

Movement by Perfection

Centrifugal Fans

Main Catalogue Part 1
2013 Edition

Addendum
ZAvblue EC/AC

The Royal League in ventilation, control and drive technology

ZAvblue-ECblue

for single phase alternating current, 200-277 V

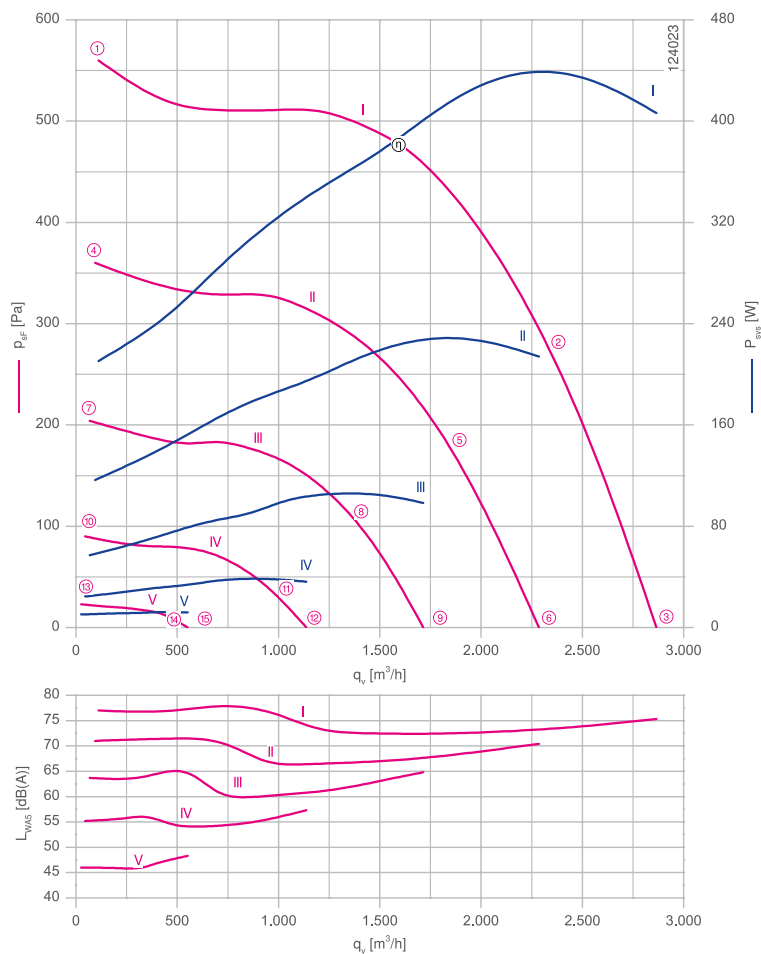
RH25V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 440 W*
 Rated current I_N : 2.20-1.60 A*
 Rated speed n_N : 2860 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 62.6 %
 Efficiency: $N_{actual} = 77.4 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

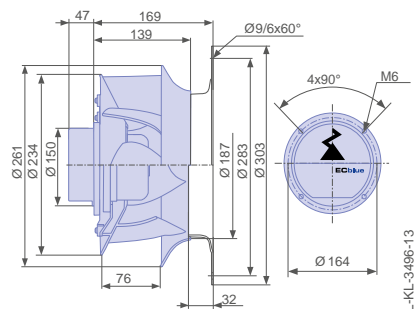


Measured with inlet nozzle, without guard grille according to ISO 5801

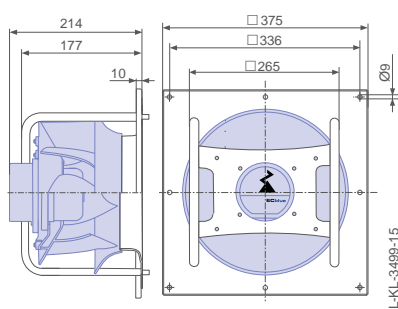
Inlet ring	00412364	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

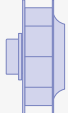
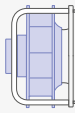


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_25V-6IK.BA.VR	I	2860	①	0.92	210	77
			②	1.90	440	73
			③	1.75	400	75
	II	2290	④	0.52	120	71
			⑤	1.00	230	68
			⑥	0.94	210	70
	III	1720	⑦	0.28	55	64
			⑧	0.48	110	62
			⑨	0.44	100	65
	IV	1140	⑩	0.17	24	55
			⑪	0.22	38	55
			⑫	0.21	36	57
	V	570	⑬	0.12	10	46
			⑭	0.13	12	47
			⑮	0.13	12	48

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH25V-6IK.BA.VR	GR25V-6IK.BA.VR
Article no.	115774	115777/A01
Weight kg	4.30	9.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

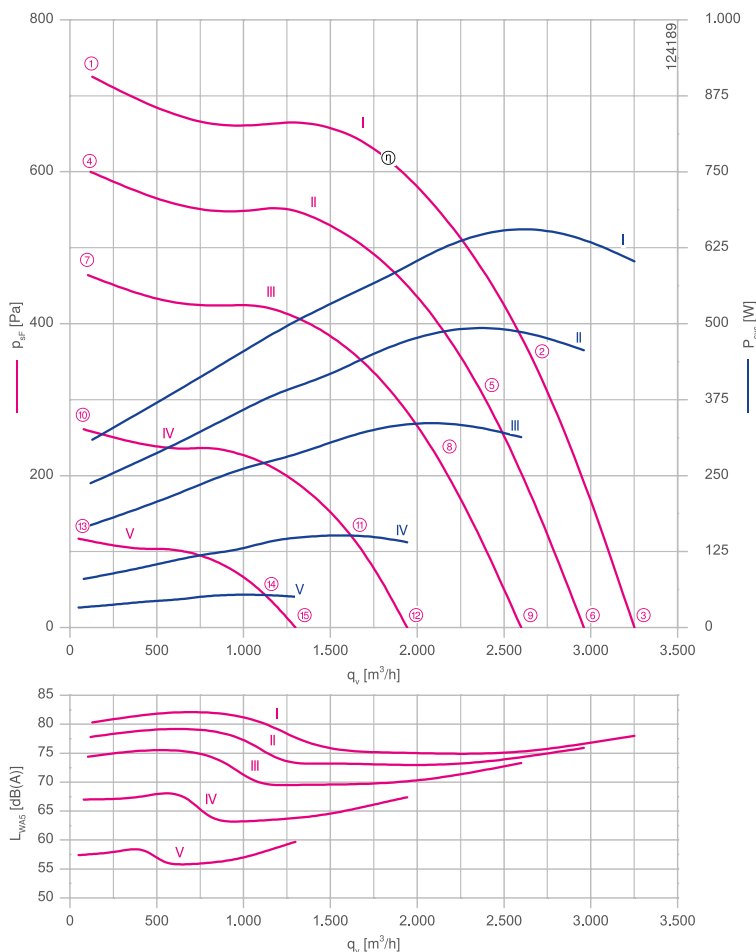
RH25V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 660 W*
 Rated current I_N : 3.30-2.40 A*
 Rated speed n_N : 3250 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 50 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 61.3 %
 Efficiency: $N_{actual} = 74.3 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

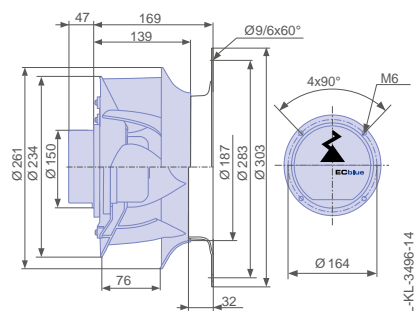


Measured with inlet nozzle, without guard grille according to ISO 5801

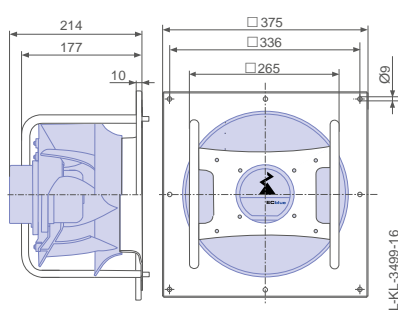
Inlet ring	00412364	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

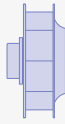
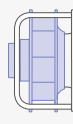


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__25V-6IK.BA.VR	I	3250	①	1.35	310	80	50
			②	2.90	660	75	
			③	2.60	600	78	
	II	2960	④	1.05	240	78	60
			⑤	2.20	500	73	
			⑥	2.00	460	76	
	III	2600	⑦	0.76	170	74	
			⑧	1.50	340	70	
			⑨	1.40	310	73	
	IV	1950	⑩	0.40	80	67	
			⑪	0.70	150	65	
			⑫	0.64	140	67	
	V	1300	⑬	0.21	32	57	
			⑭	0.29	55	57	
			⑮	0.28	50	60	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH25V-6IK.BA.VR	GR25V-6IK.BA.VR
Article no.	115775	115778/A01
Weight kg	4.30	9.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

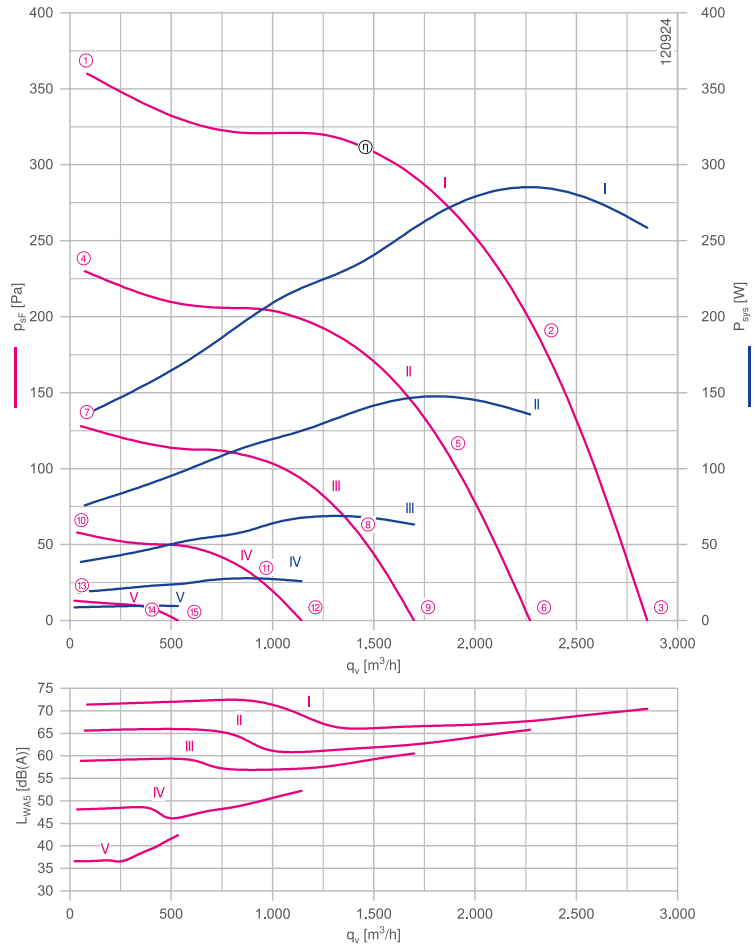
RH28V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1~200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 290 W*
 Rated current I_N : 1.45-1.05 A*
 Rated speed n_N : 2040 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 61.6 %
 Efficiency: $N_{actual} = 78.6 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

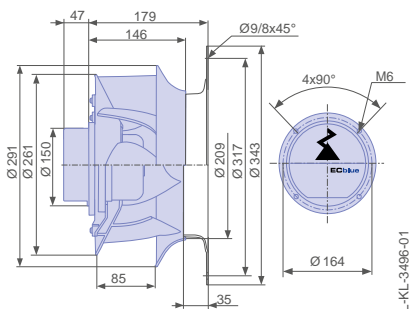


Measured with inlet nozzle, without guard grille according to ISO 5801

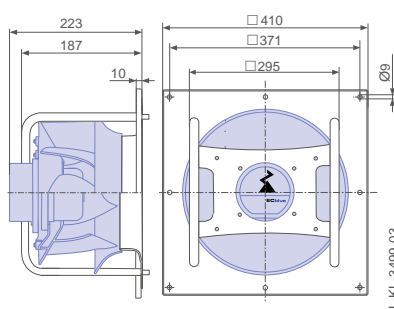
Inlet ring 00412366 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

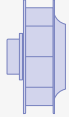
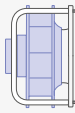


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_28V-6IK.BA.VR	I	2040	①	0.60	140	71
			②	1.25	290	68
			③	1.15	260	70
	II	1630	④	0.36	75	66
			⑤	0.66	150	63
			⑥	0.60	140	66
	III	1220	⑦	0.22	38	59
			⑧	0.33	70	58
			⑨	0.31	65	61
	IV	820	⑩	0.15	19	48
			⑪	0.18	28	50
			⑫	0.17	26	52
	V	400	⑬	0.13	9	37
			⑭	0.13	10	41
			⑮	0.13	10	42

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH28V-6IK.BA.VR	GR28V-6IK.BA.VR
Article no.	115688	115728/A01
Weight kg	4.50	10.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH28V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.50 kW*
 Rated current I_N : 2.60-1.85 A*
 Rated speed n_N : 2450 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

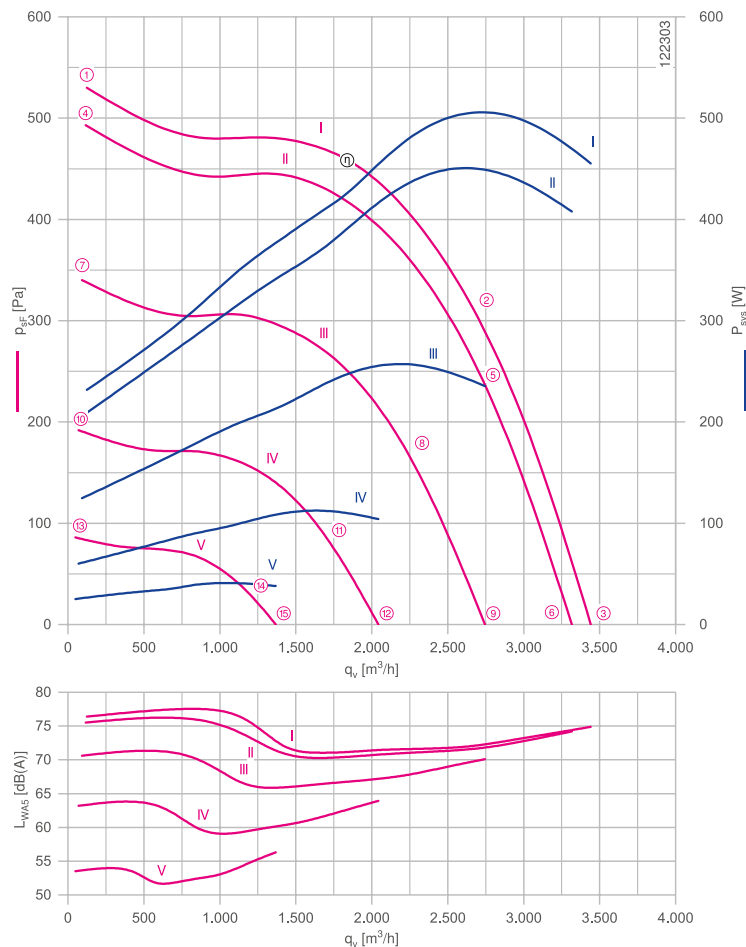
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 62.8 %
 Efficiency: $N_{actual} = 77.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

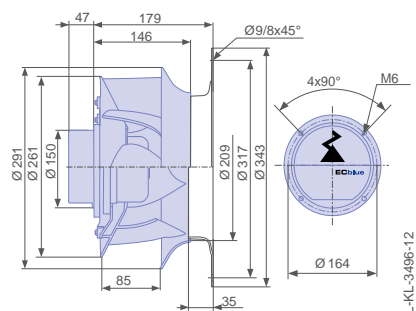


Measured with inlet nozzle, without guard grille according to ISO 5801

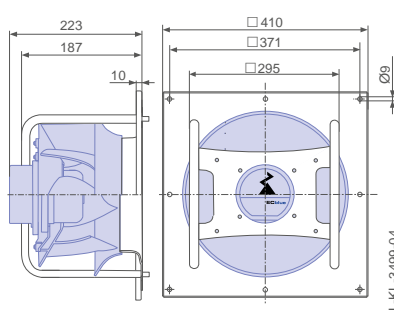
Inlet ring	00412366	Page 162
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Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

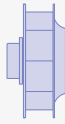
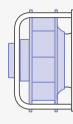


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
__28V-6IK.BA.VR	I	2450	①	1.05	230	76	55
			②	2.20	500	72	
			③	2.00	460	75	
	II	2360	④	0.92	210	76	60
			⑤	1.95	460	72	
			⑥	1.80	400	74	
	III	1960	⑦	0.58	120	71	
			⑧	1.15	260	68	
			⑨	1.05	240	70	
	IV	1470	⑩	0.31	60	63	
			⑪	0.54	110	62	
			⑫	0.50	100	64	
	V	980	⑬	0.17	26	54	
			⑭	0.23	40	54	
			⑮	0.22	38	56	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH28V-6IK.BA.VR	GR28V-6IK.BA.VR
Article no.	115689	115729/A01
Weight kg	4.50	10.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH31V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.40 kW*
 Rated current I_N : 2.00-1.45 A*
 Rated speed n_N : 1880 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

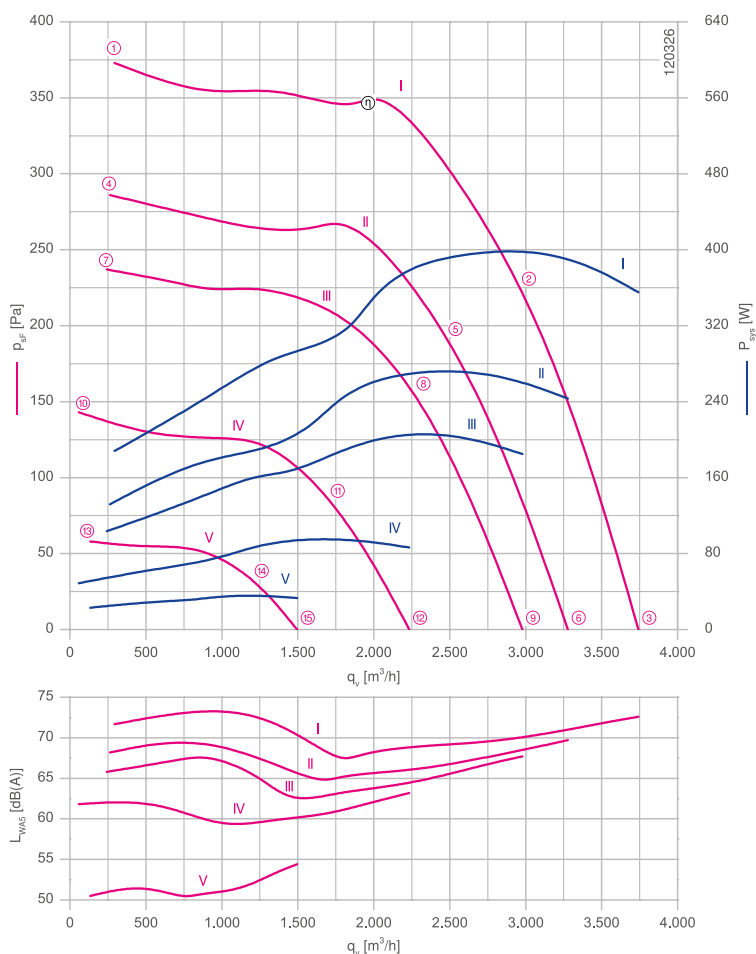
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 63.7 %
 Efficiency: $N_{actual} = 79.0 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

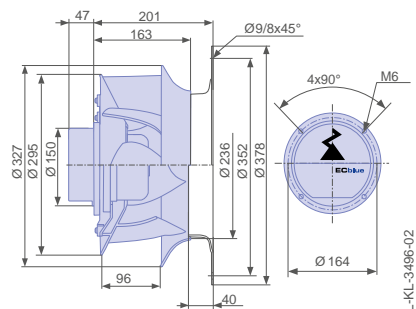


Measured with inlet nozzle, without guard grille according to ISO 5801

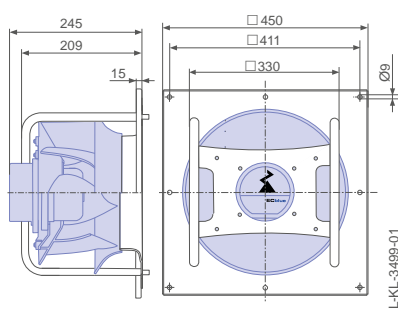
Inlet ring 00412368 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

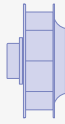
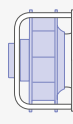


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__31V-6IK.BD.VR	I	1880	①	0.82	190	72	55
			②	1.75	400	70	
			③	1.55	360	73	
	II	1650	④	0.58	130	68	60
			⑤	1.20	270	67	
			⑥	1.05	240	70	
	III	1500	⑦	0.46	100	66	
			⑧	0.90	210	64	
			⑨	0.82	180	68	
	IV	1130	⑩	0.27	48	62	
			⑪	0.46	95	61	
			⑫	0.42	85	63	
	V	750	⑬	0.16	24	51	
			⑭	0.21	36	52	
			⑮	0.20	34	54	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH31V-6IK.BD.VR	GR31V-6IK.BD.VR
Article no.	115690	115730/A01
Weight kg	5.40	12.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH31V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.56 kW*
 Rated current I_N : 2.80-2.00 A*
 Rated speed n_N : 2100 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

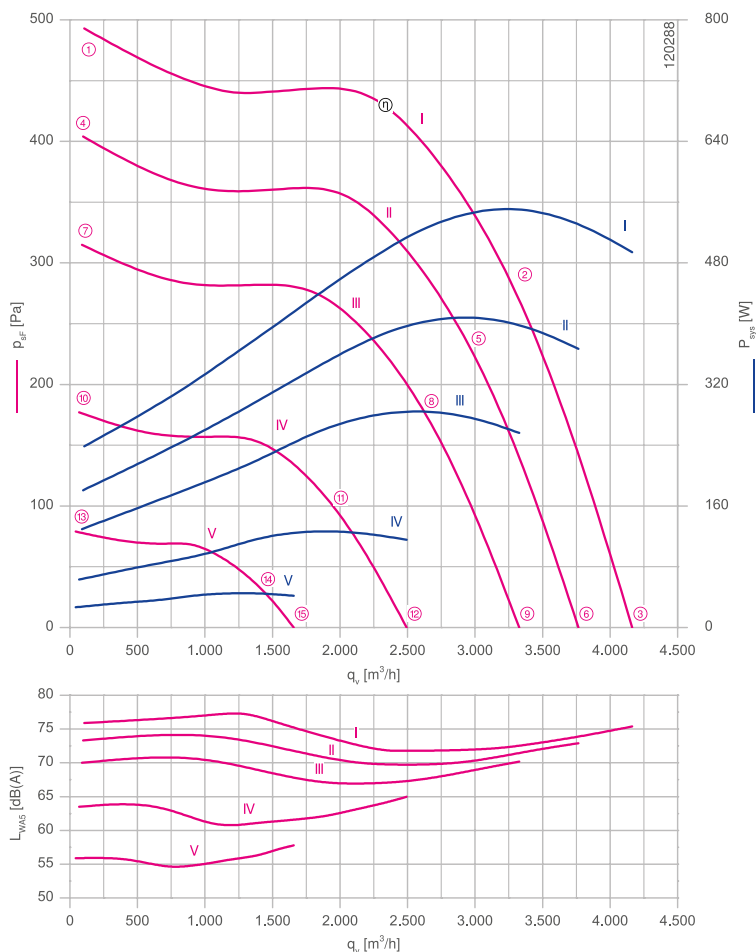
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 63.6 %
 Efficiency: $N_{actual} = 77.3 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

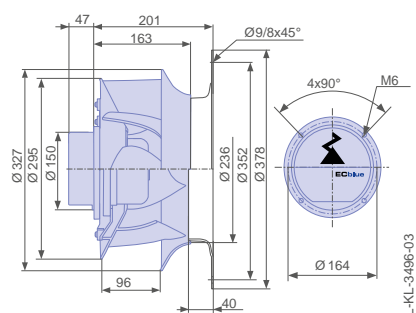


Measured with inlet nozzle, without guard grille according to ISO 5801

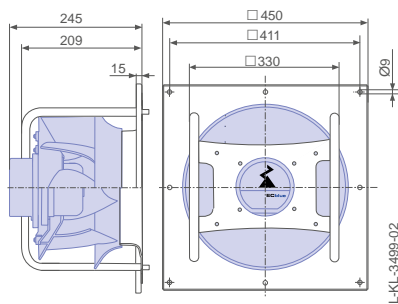
Inlet ring 00412368 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

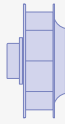
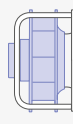


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
__31V-6IK.BD.VR	I	2100	①	1.05	240	76	55
			②	2.40	560	72	
			③	2.20	500	75	
	II	1900	④	0.82	180	73	60
			⑤	1.80	400	70	
			⑥	1.60	370	73	
	III	1680	⑦	0.60	130	70	
			⑧	1.25	280	67	
			⑨	1.15	260	70	
	IV	1260	⑩	0.33	65	64	
			⑪	0.58	130	62	
			⑫	0.54	120	65	
	V	840	⑬	0.18	26	56	
			⑭	0.25	46	56	
			⑮	0.24	42	58	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH31V-6IK.BD.VR	GR31V-6IK.BD.VR
Article no.	115691	115731/A01
Weight kg	5.50	12.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

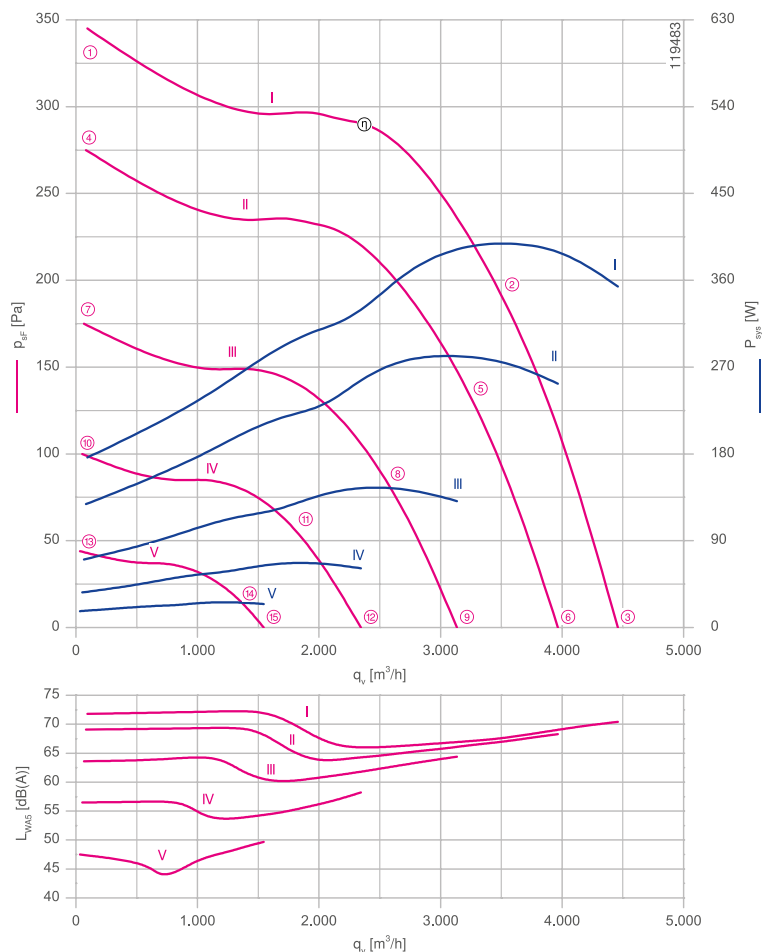
RH35V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.40 kW*
 Rated current I_N : 2.00-1.45 A*
 Rated speed n_N : 1550 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature t_r at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 66.2 %
 Efficiency: $N_{actual} = 81.6 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

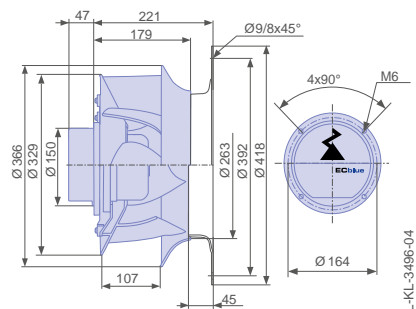


Measured with inlet nozzle, without guard grille according to ISO 5801

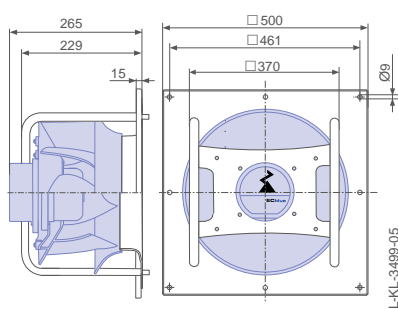
Inlet ring 00412370 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

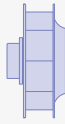
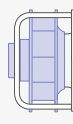


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__35V-6IK.BD.VR	I	1550	①	0.78	180	72	55
			②	1.70	400	67	
			③	1.55	350	70	
	II	1380	④	0.56	130	69	60
			⑤	1.20	280	66	
			⑥	1.10	250	68	
	III	1100	⑦	0.33	70	64	
			⑧	0.64	140	62	
			⑨	0.58	130	64	
	IV	830	⑩	0.21	36	57	
			⑪	0.32	70	55	
			⑫	0.30	60	58	
	V	550	⑬	0.15	17	48	
			⑭	0.17	26	48	
			⑮	0.17	24	50	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH35V-6IK.BD.VR	GR35V-6IK.BD.VR
Article no.	115692	115732/A01
Weight kg	5.80	14.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

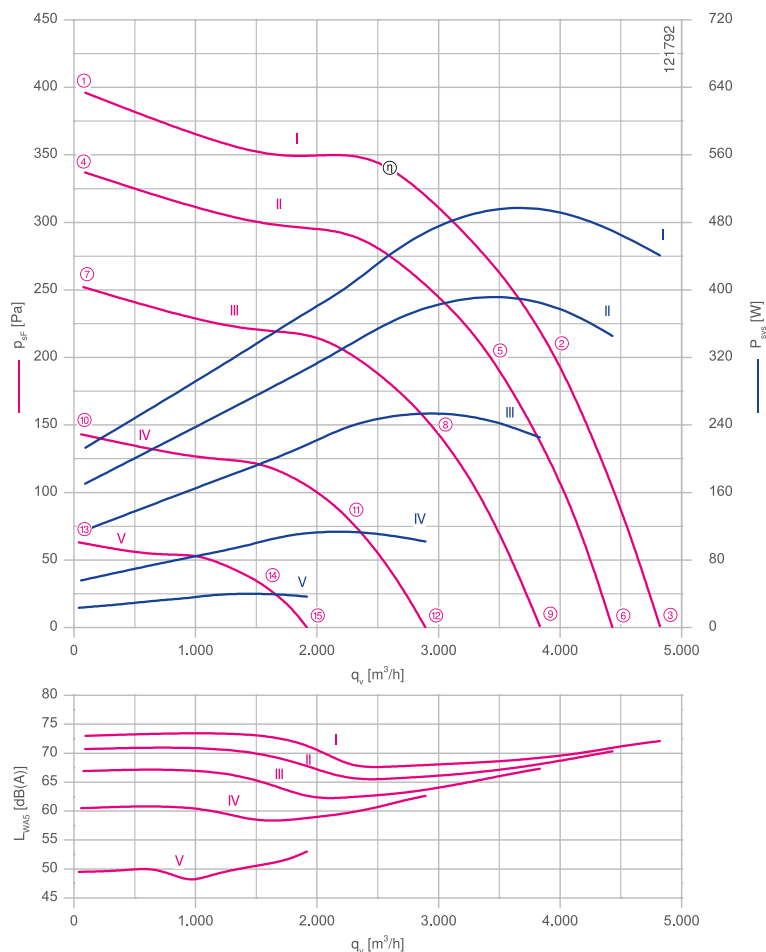
RH35V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.50 kW*
 Rated current I_N : 2.50-1.85 A*
 Rated speed n_N : 1680 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.9 %
 Efficiency: $N_{actual} = 78.1 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

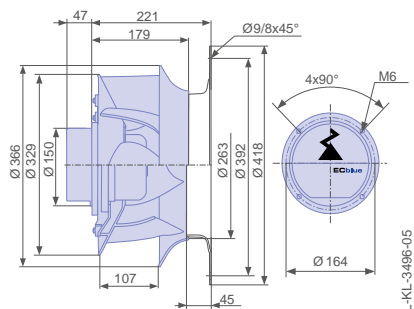


Measured with inlet nozzle, without guard grille according to ISO 5801

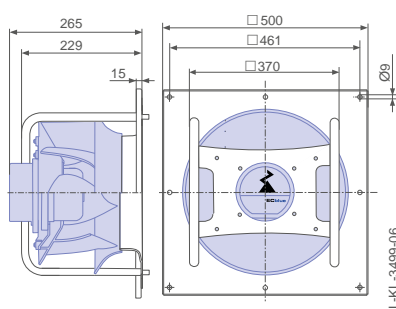
Inlet ring	00412370	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/V/u/Vo



Ventilation unit GR in installation position
H/V/u/Vo

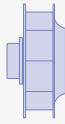
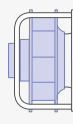


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__35V-6IK.BD.VR	I	1680	①	0.94	210	73	55
			②	2.20	500	69	
			③	1.95	440	72	
	II	1550	④	0.78	170	71	60
			⑤	1.70	390	67	
			⑥	1.50	350	70	
	III	1340	⑦	0.54	110	67	
			⑧	1.10	250	64	
			⑨	1.00	230	67	
	IV	1010	⑩	0.30	55	61	
			⑪	0.54	110	60	
			⑫	0.48	100	63	
	V	670	⑬	0.17	24	50	
			⑭	0.23	40	51	
			⑮	0.22	36	53	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH35V-6IK.BD.VR	GR35V-6IK.BD.VR
Article no.	115693	115733/A01
Weight kg	5.80	14.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for three phase alternating current, 200-240 V

RH35V-ZIK



Description

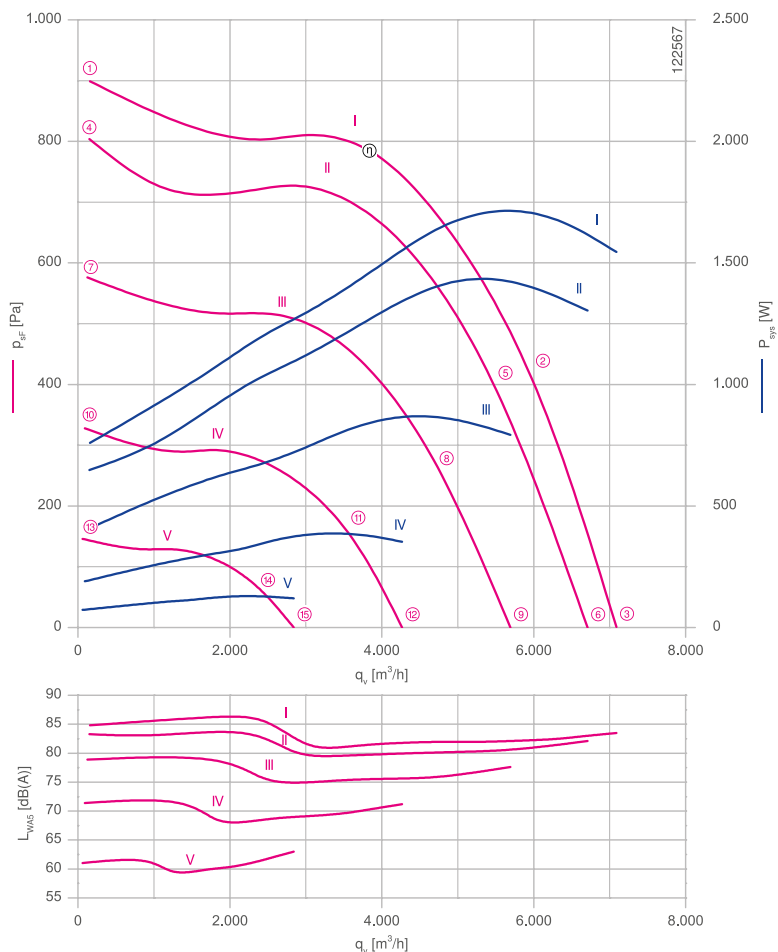
Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.70 kW*
 Rated current I_N : 5.40-4.40 A*
 Rated speed n_N : 2530 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

ErP-data

Efficiency η_{statA} : 63.3 %
 Efficiency: $N_{actual} = 72.1 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

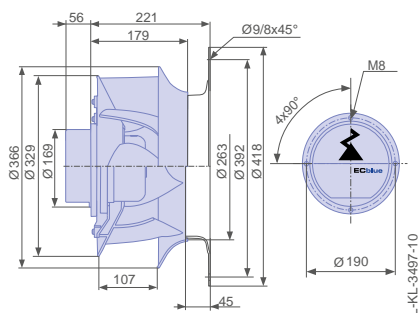


Measured with inlet nozzle, without guard grille according to ISO 5801

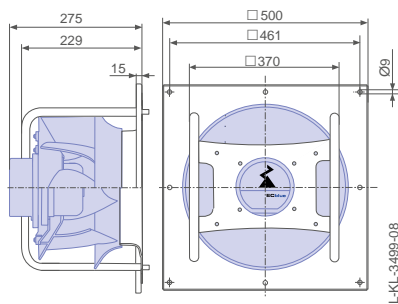
Inlet ring 00412370 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

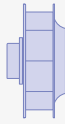
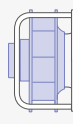


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__35V-ZIK.DC.VR	I	2530	①	2.10	760	85	55
			②	4.60	1700	82	
			③	4.20	1550	84	
	II	2390	④	1.85	640	83	60
			⑤	3.90	1450	80	
			⑥	3.50	1300	82	
	III	2020	⑦	1.20	400	79	
			⑧	2.50	880	76	
			⑨	2.20	800	78	
	IV	1520	⑩	0.62	190	71	
			⑪	1.15	390	70	
			⑫	1.05	350	71	
	V	1010	⑬	0.31	70	61	
			⑭	0.46	130	61	
			⑮	0.44	120	63	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH35V-ZIK.DC.VR	GR35V-ZIK.DC.VR
Article no.	115695	115735/A01
Weight kg	8.80	17.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH35V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.98 kW*
 Rated current I_N : 5.00-3.60 A*
 Rated speed n_N : 2090 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

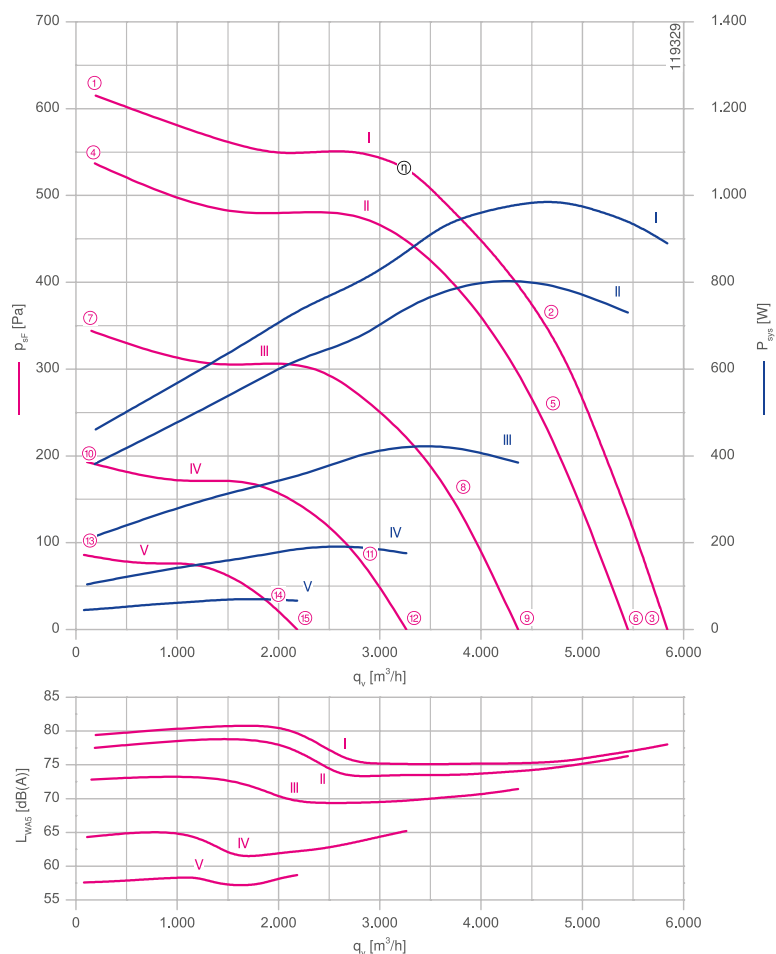
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 62.1 %
 Efficiency: $N_{actual} = 73.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

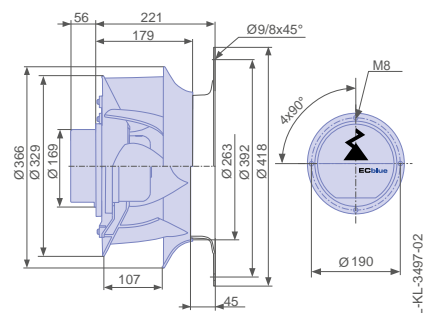


Measured with inlet nozzle, without guard grille according to ISO 5801

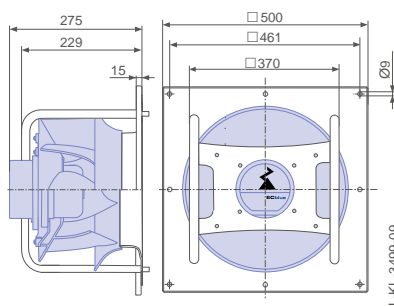
Inlet ring 00412370 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/V/u/Vo



Ventilation unit GR in installation position
 H/V/u/Vo

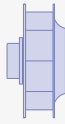
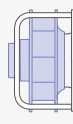


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__35V-ZIK.DC.VR	I	2090	①	2.10	460	79	55
			②	4.40	980	75	
			③	4.00	880	78	
	II	1950	④	1.75	380	78	60
			⑤	3.60	800	74	
			⑥	3.20	740	76	
	III	1560	⑦	1.00	210	73	
			⑧	1.95	420	70	
			⑨	1.75	380	71	
	IV	1170	⑩	0.52	100	64	
			⑪	0.90	190	63	
			⑫	0.84	180	65	
	V	780	⑬	0.31	44	58	
			⑭	0.39	70	57	
			⑮	0.37	65	59	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH35V-ZIK.DC.VR	GR35V-ZIK.DC.VR
Article no.	115696	115736/A01
Weight kg	8.70	17.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

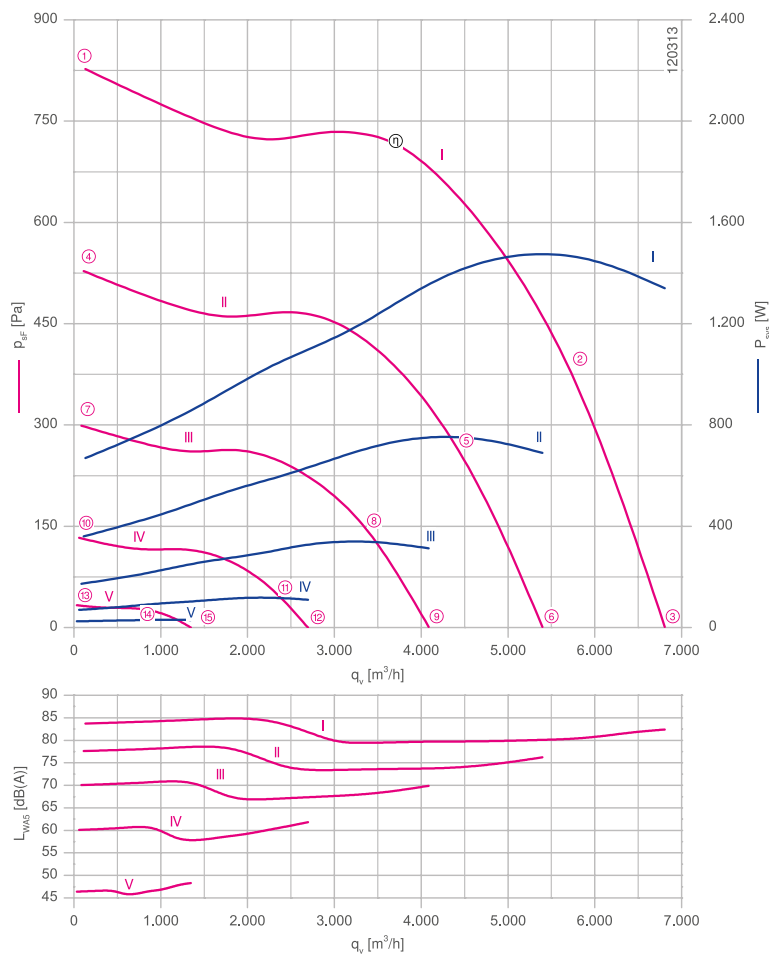
RH35V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.50 kW*
 Rated current I_N : 2.40-1.90 A*
 Rated speed n_N : 2430 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.7 %
 Efficiency: $N_{actual} = 73.1 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

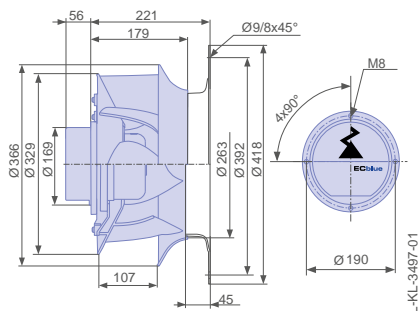


Measured with inlet nozzle, without guard grille according to ISO 5801

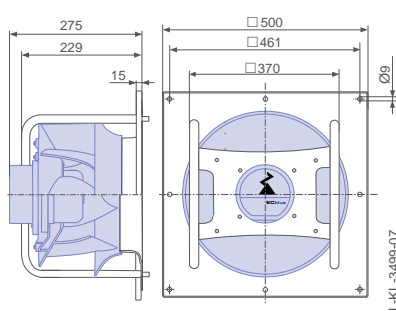
Inlet ring 00412370 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo


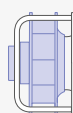


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_35V-ZIK.DC.VR	I	2430	①	1.15	660	84
			②	2.30	1500	80
			③	2.10	1350	82
	II	1940	④	0.74	360	78
			⑤	1.25	760	74
			⑥	1.15	680	76
	III	1460	⑦	0.48	170	70
			⑧	0.72	340	68
			⑨	0.68	310	70
	IV	970	⑩	0.27	70	60
			⑪	0.37	120	60
			⑫	0.36	110	62
	V	490	⑬	0.17	24	46
			⑭	0.19	30	47
			⑮	0.19	30	48

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH35V-ZIK.DC.VR	GR35V-ZIK.DC.VR
Article no.	115694	115734/A01
Weight kg	8.70	17.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH40V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.24 kW*
 Rated current I_N : 1.25-0.90 A*
 Rated speed n_N : 1030 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

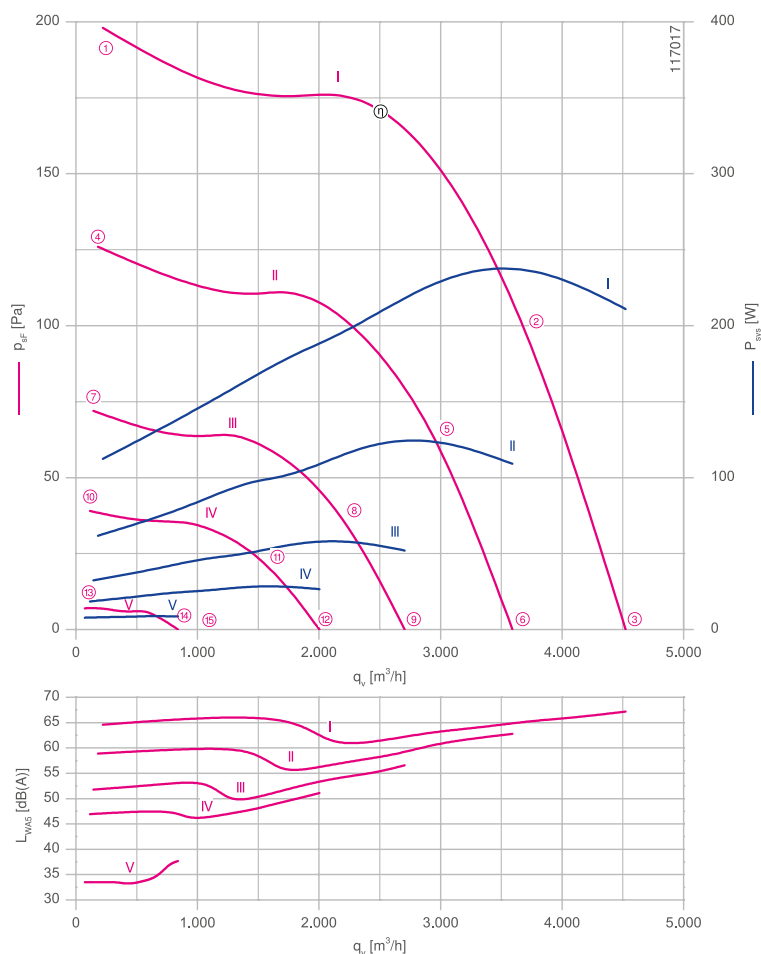
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 66.1 %
 Efficiency: $N_{actual} = 83.7 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

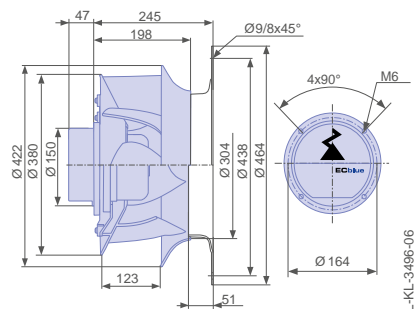


Measured with inlet nozzle, without guard grille according to ISO 5801

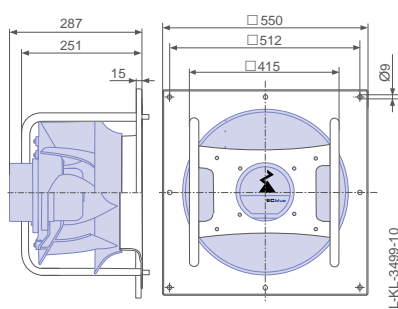
Inlet ring 00411684 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo


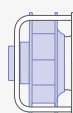


Performance data



Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current I A	Input power P _{sys} W	Suction side sound power level L _{WA5} dB(A)
_40V-6IK.BD.VR	I	1030	①	0.52	110	65
			②	1.05	240	65
			③	0.94	210	67
	II	820	④	0.30	60	59
			⑤	0.56	120	61
			⑥	0.50	110	63
	III	620	⑦	0.19	32	52
			⑧	0.29	60	54
			⑨	0.26	50	57
	IV	460	⑩	0.15	19	47
			⑪	0.18	28	49
			⑫	0.17	26	51
	V	200	⑬	0.12	8	34
			⑭	0.13	9	37
			⑮	0.13	9	38

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH40V-6IK.BD.VR	GR40V-6IK.BD.VR
Article no.	115697	115737/A01
Weight kg	6.50	17.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

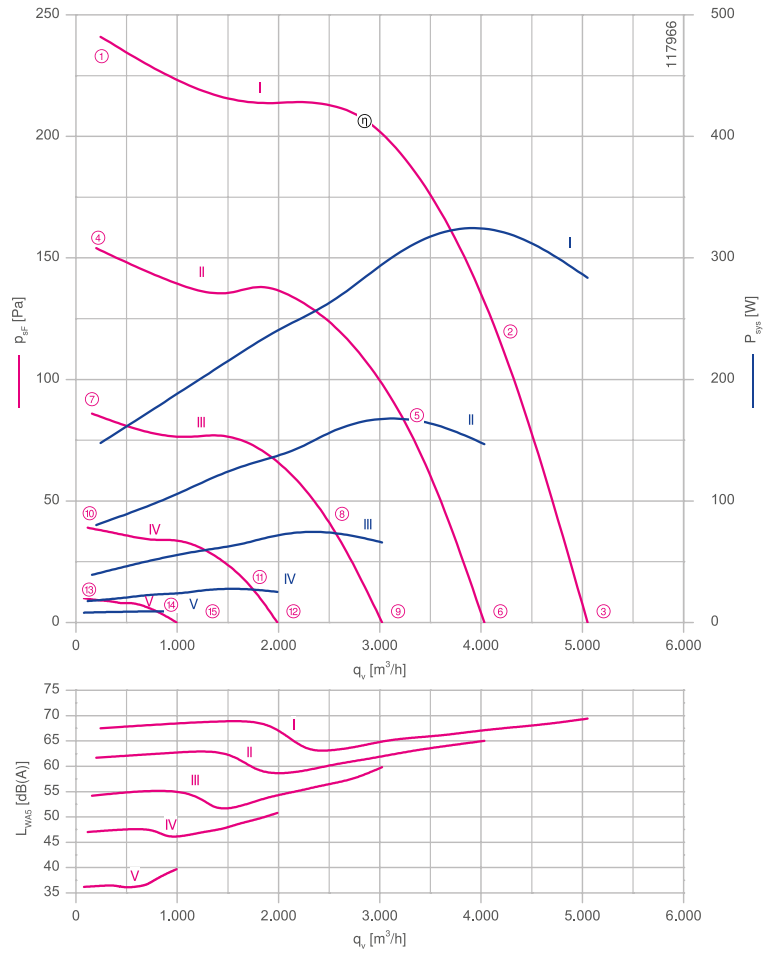
RH40V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.33 kW*
 Rated current I_N : 1.70-1.20 A*
 Rated speed n_N : 1150 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 66.6 %
 Efficiency: $N_{actual} = 82.9 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

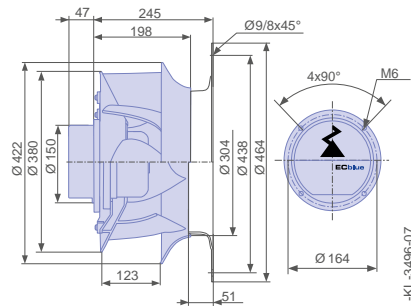


Measured with inlet nozzle, without guard grille according to ISO 5801

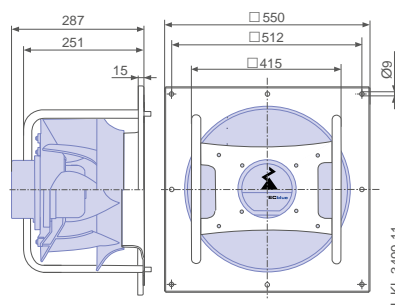
Inlet ring 00411684 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

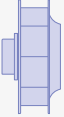
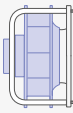


Performance data

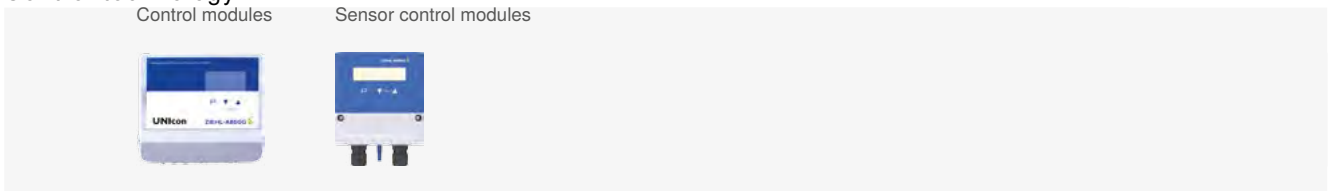
Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_40V-6IK.BD.VR	I	1150	①	0.68	150	68
			②	1.45	330	68
			③	1.25	280	69
	II	920	④	0.40	80	62
			⑤	0.78	170	63
			⑥	0.68	150	65
	III	690	⑦	0.23	40	54
			⑧	0.39	75	56
			⑨	0.35	65	60
	IV	460	⑩	0.15	18	47
			⑪	0.18	28	49
			⑫	0.17	26	51
	V	230	⑬	0.12	8	36
			⑭	0.12	9	38
			⑮	0.12	9	40

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH40V-6IK.BD.VR	GR40V-6IK.BD.VR
Article no.	115698	115738/A01
Weight kg	6.50	17.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

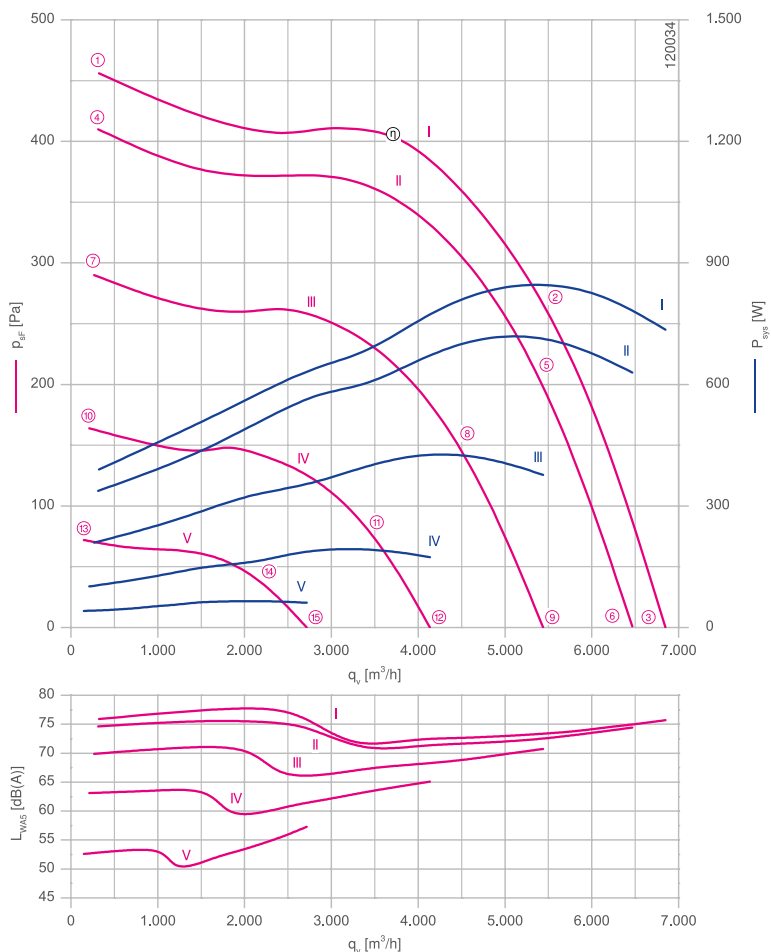
RH40V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.84 kW*
 Rated current I_N : 4.20-3.10 A*
 Rated speed n_N : 1580 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 65.0 %
 Efficiency: $N_{actual} = 77.0 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

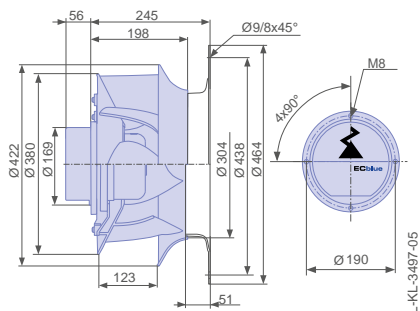


Measured with inlet nozzle, without guard grille according to ISO 5801

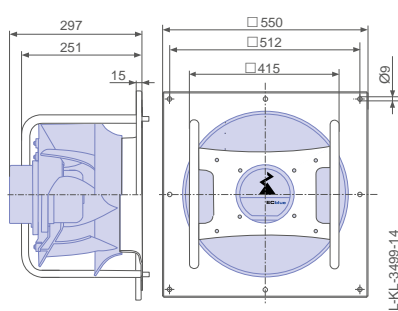
Inlet ring 00411684 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

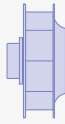
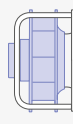


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
__40V-ZIK.DC.VR	I	1580	①	1.75	390	76	55
			②	3.70	840	73	
			③	3.20	740	76	
	II	1500	④	1.50	340	75	60
			⑤	3.10	720	72	
			⑥	2.70	620	74	
	III	1260	⑦	0.96	210	70	
			⑧	1.90	440	69	
			⑨	1.70	380	71	
	IV	950	⑩	0.50	100	63	
			⑪	0.90	190	63	
			⑫	0.82	170	65	
	V	630	⑬	0.42	40	53	
			⑭	0.52	65	53	
			⑮	0.52	60	57	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH40V-ZIK.DC.VR	GR40V-ZIK.DC.VR
Article no.	115701	115741/A01
Weight kg	9.40	20.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

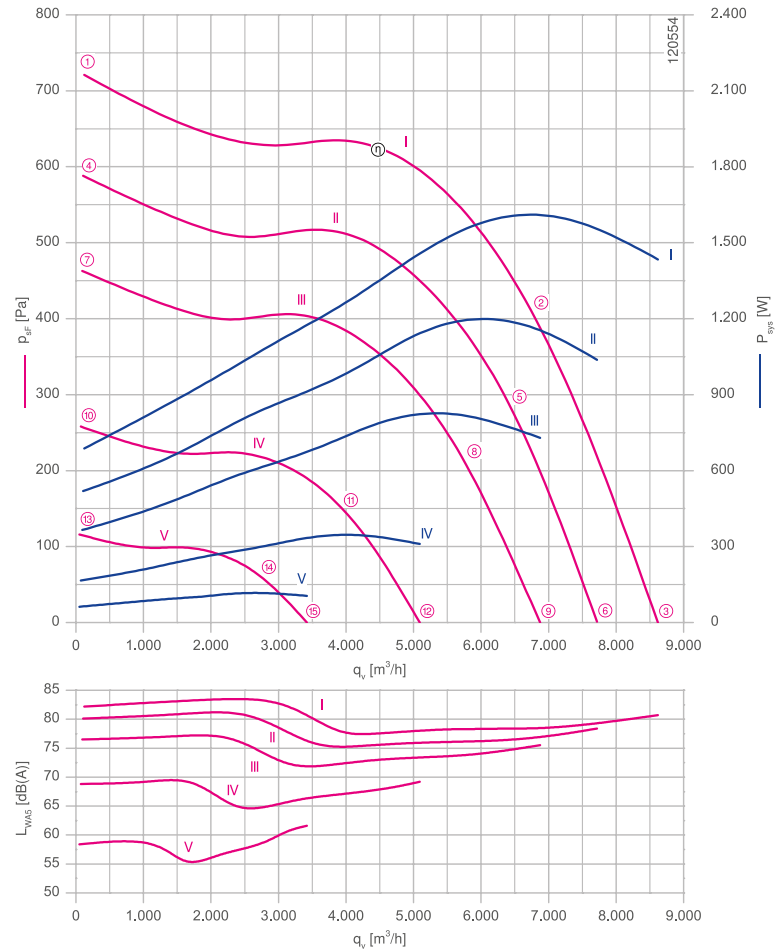
RH40V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.65 kW*
 Rated current I_N : 5.00-4.20 A*
 Rated speed n_N : 1970 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 45 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.7 %
 Efficiency: $N_{actual} = 72.9 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

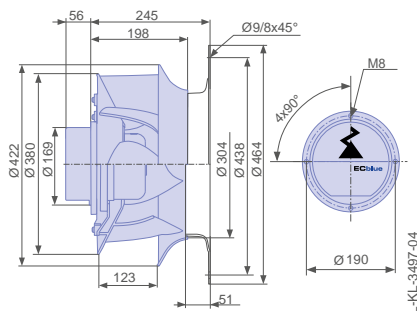


Measured with inlet nozzle, without guard grille according to ISO 5801

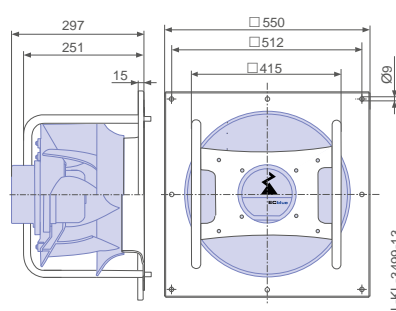
Inlet ring 00411684 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

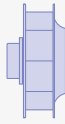
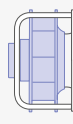


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__40V-ZIK.DC.VR	I	1970	①	1.90	680	82	45
			②	4.40	1650	78	
			③	3.90	1450	81	
	II	1780	④	1.45	520	80	60
			⑤	3.20	1200	76	
			⑥	2.80	1050	78	
	III	1580	⑦	1.05	370	77	
			⑧	2.30	820	74	
			⑨	2.00	720	76	
	IV	1180	⑩	0.54	170	69	
			⑪	1.00	350	67	
			⑫	0.90	310	69	
	V	790	⑬	0.28	60	58	
			⑭	0.44	120	58	
			⑮	0.40	110	62	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH40V-ZIK.DC.VR	GR40V-ZIK.DC.VR
Article no.	115700	115740/A01
Weight kg	9.40	20.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

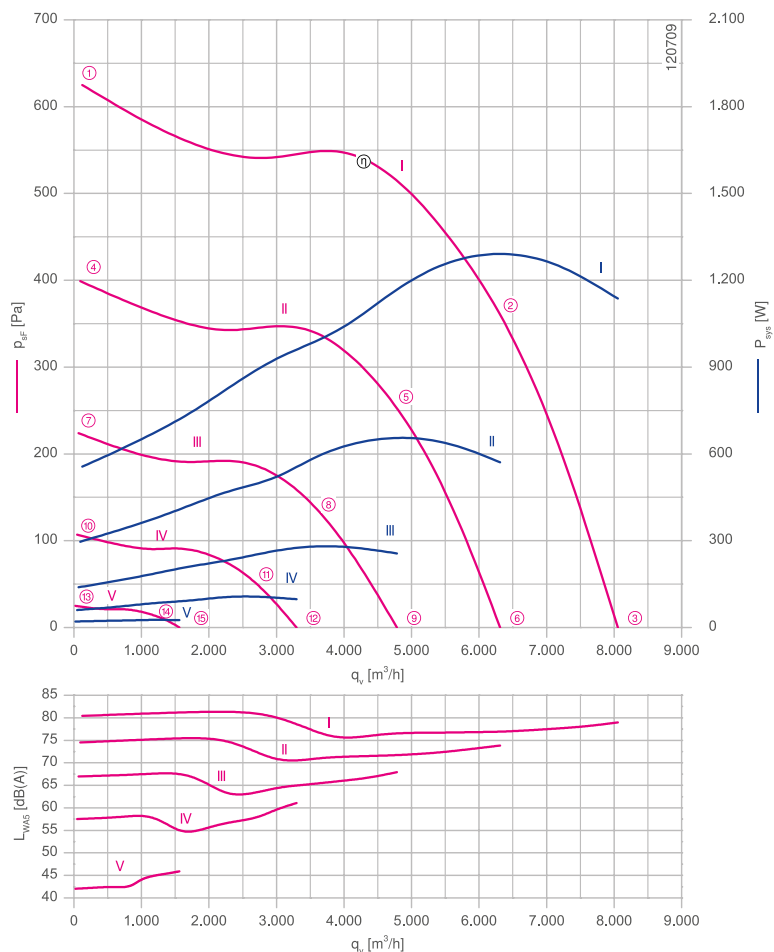
RH40V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.30 kW*
 Rated current I_N : 2.10-1.70 A*
 Rated speed n_N : 1840 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 66.0 %
 Efficiency: $N_{actual} = 76.1 / N_{target} = 40^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

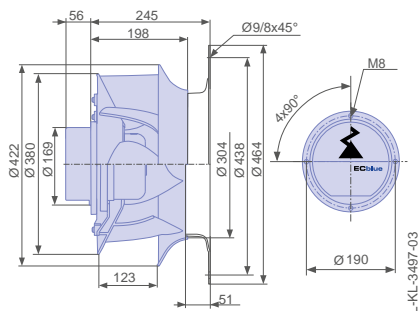


Measured with inlet nozzle, without guard grille according to ISO 5801

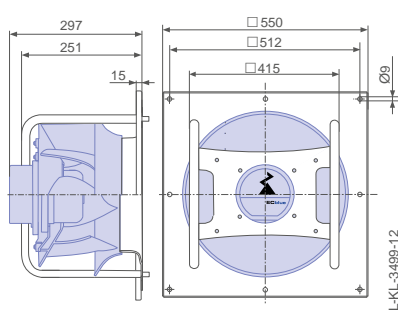
Inlet ring 00411684 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu



Ventilation unit GR in installation position
H/Vu/Vo


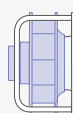


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_40V-ZIK.DC.VR	I	1840	①	0.98	560	80
			②	2.00	1300	77
			③	1.80	1150	79
	II	1470	④	0.66	300	75
			⑤	1.10	660	72
			⑥	1.00	580	74
	III	1100	⑦	0.40	140	67
			⑧	0.64	280	65
			⑨	0.58	260	68
	IV	760	⑩	0.25	60	58
			⑪	0.34	110	57
			⑫	0.32	100	61
	V	370	⑬	0.16	20	42
			⑭	0.18	26	45
			⑮	0.17	26	46

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH40V-ZIK.DC.VR	GR40V-ZIK.DC.VR
Article no.	115699	115739/A01
Weight kg	9.40	20.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH45V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.33 kW*
 Rated current I_N : 1.70-1.20 A*
 Rated speed n_N : 960 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -25 °C
 Max. permitted ambient temperature t_R at n_{max} : 50 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

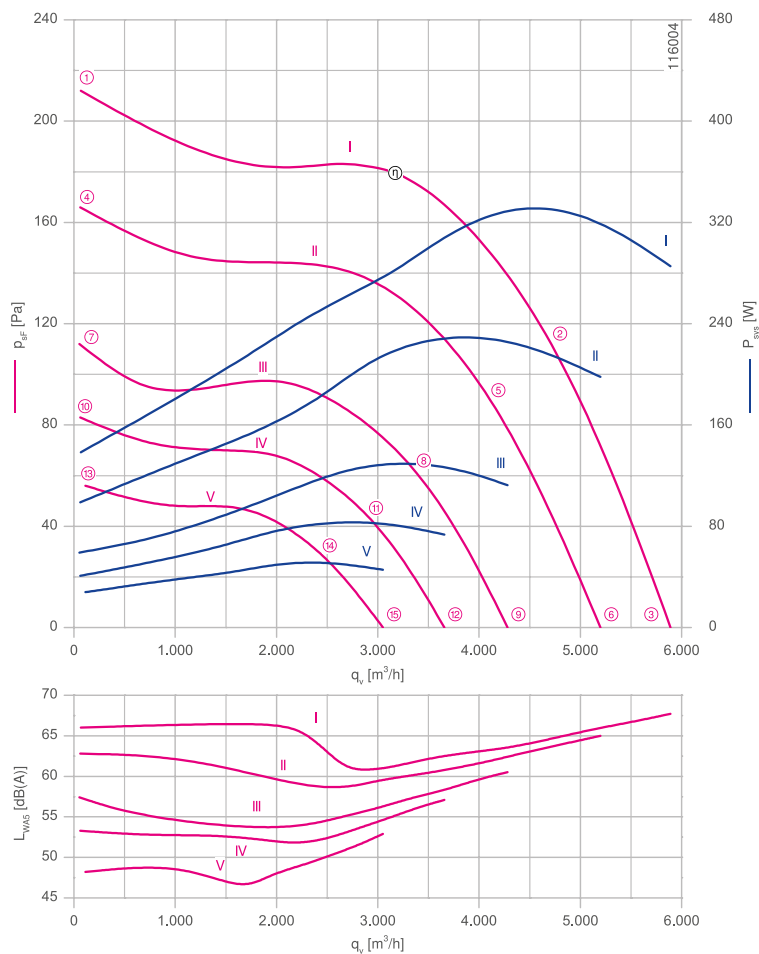
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 64.5 %
 Efficiency: $N_{actual} = 80.8 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

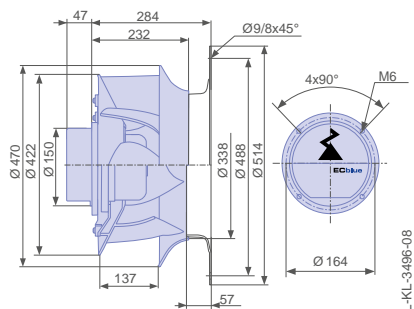


Measured with inlet nozzle, without guard grille according to ISO 5801

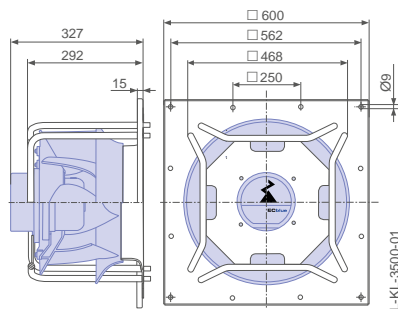
Inlet ring	00411686	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
 in installation position H/V/u/Vo



Ventilation unit GR in installation position
 H/V/u/Vo

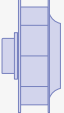
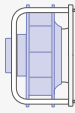


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__45V-6IK.BD.VR	I	960	①	0.62	140	66	50
			②	1.45	330	65	
			③	1.25	290	68	
	II	850	④	0.46	100	63	60
			⑤	1.00	230	62	
			⑥	0.86	200	65	
	III	700	⑦	0.29	60	57	
			⑧	0.58	130	57	
			⑨	0.50	110	61	
	IV	600	⑩	0.23	40	53	
			⑪	0.39	85	54	
			⑫	0.35	75	57	
	V	500	⑬	0.18	28	48	
			⑭	0.27	50	49	
			⑮	0.24	46	53	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-6IK.BD.VR	GR45V-6IK.BD.VR
Article no.	115702	115742/A01
Weight kg	7.60	25.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

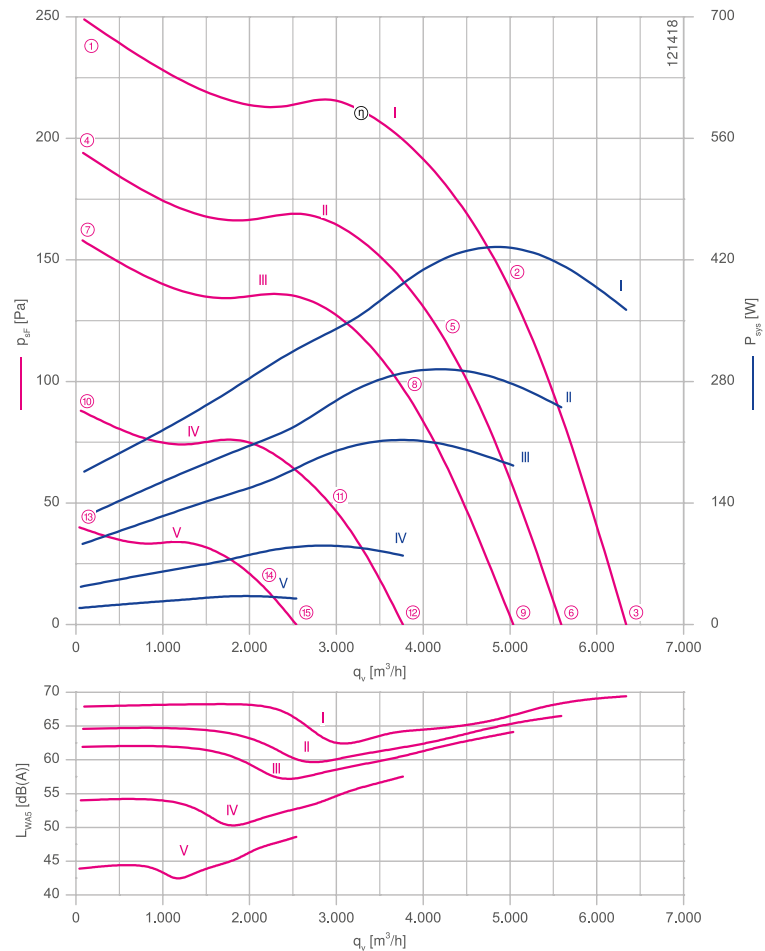
RH45V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.44 kW*
 Rated current I_N : 2.20-1.60 A*
 Rated speed n_N : 1040 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 45 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 61.9 %
 Efficiency: $N_{actual} = 77.2 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

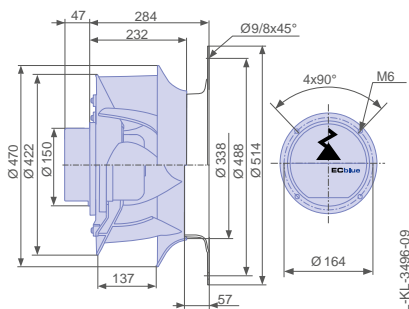


Measured with inlet nozzle, without guard grille according to ISO 5801

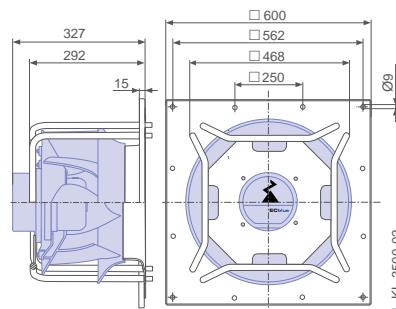
Inlet ring	00411686	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

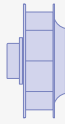
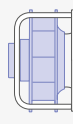


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
__45V-6IK.BD.VR	I	1040	①	0.80	180	68	45
			②	1.90	440	66	
			③	1.60	360	69	
	II	920	④	0.58	120	65	60
			⑤	1.30	290	63	
			⑥	1.10	250	67	
	III	830	⑦	0.46	95	62	
			⑧	0.94	210	60	
			⑨	0.82	180	64	
	IV	620	⑩	0.25	44	54	
			⑪	0.44	90	53	
			⑫	0.40	80	58	
	V	420	⑬	0.15	19	44	
			⑭	0.20	34	47	
			⑮	0.19	30	49	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-6IK.BD.VR	GR45V-6IK.BD.VR
Article no.	115703	115743/A01
Weight kg	7.60	25.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

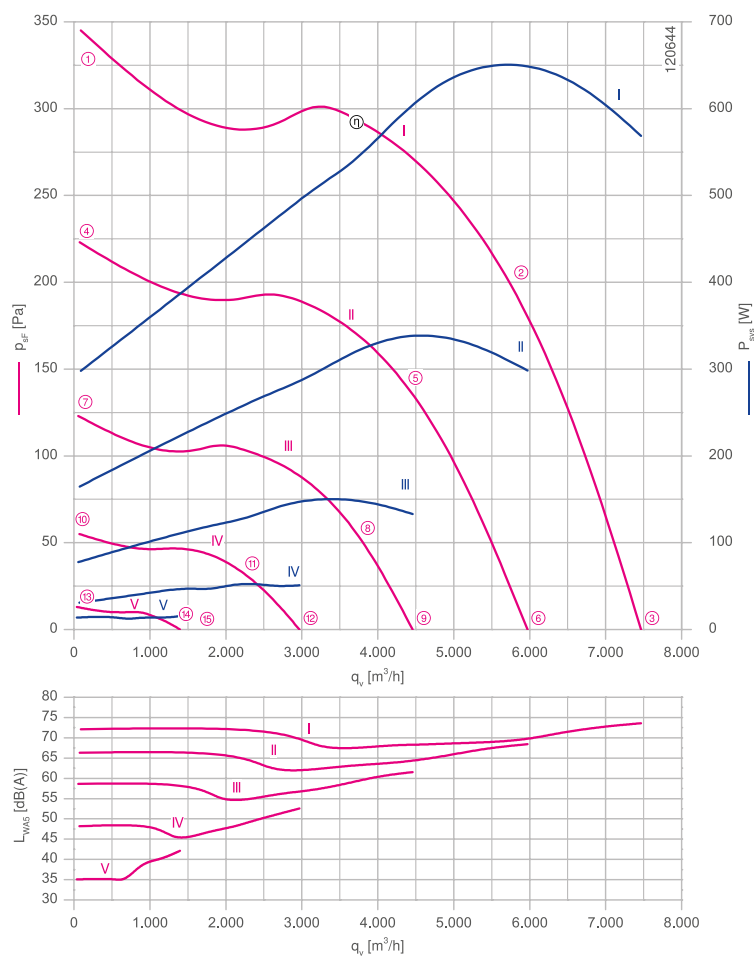
RH45V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 1~200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.64 kW*
 Rated current I_N : 3.30-2.40 A*
 Rated speed n_N : 1220 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.4 %
 Efficiency: $N_{actual} = 76.7 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

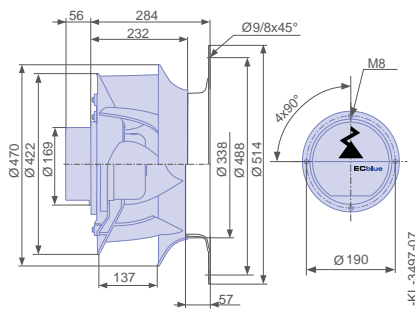


Measured with inlet nozzle, without guard grille according to ISO 5801

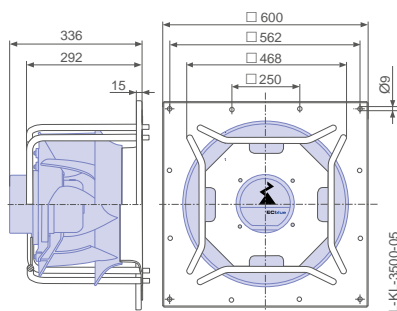
Inlet ring	00411686	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH in installation position H/Vu/Vo



Ventilation unit GR in installation position H/Vu/Vo

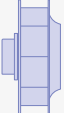
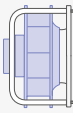


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_45V-ZIK.DC.VR	I	1220	①	1.35	300	72
			②	2.80	640	69
			③	2.50	560	74
	II	980	④	0.76	160	66
			⑤	1.50	340	64
			⑥	1.35	300	68
	III	730	⑦	0.40	80	59
			⑧	0.68	150	59
			⑨	0.62	130	62
	IV	490	⑩	0.38	30	48
			⑪	0.50	55	48
			⑫	0.48	50	53
	V	240	⑬	0.29	14	35
			⑭	0.30	16	42
			⑮	0.30	16	42

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-ZIK.DC.VR	GR45V-ZIK.DC.VR
Article no.	115706	115746/A01
Weight kg	10.50	28.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

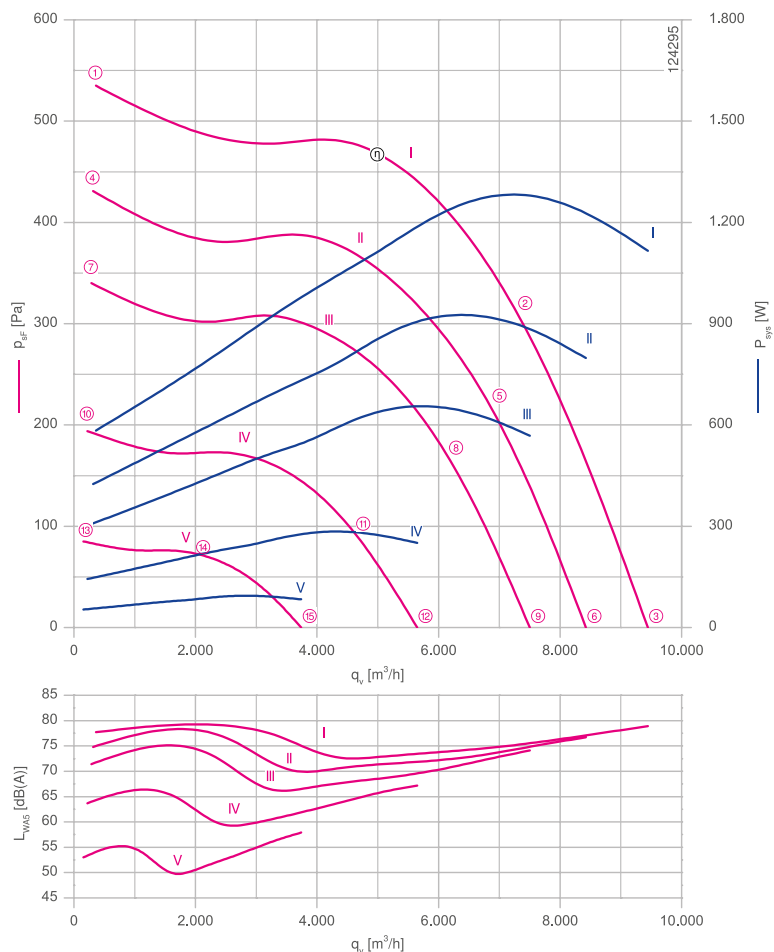
RH45V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.30 kW*
 Rated current I_N : 4.00-3.40 A*
 Rated speed n_N : 1530 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 40 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, 002 (ultramarine blue)
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 64.9 %
 Efficiency: $N_{actual} = 74.9 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

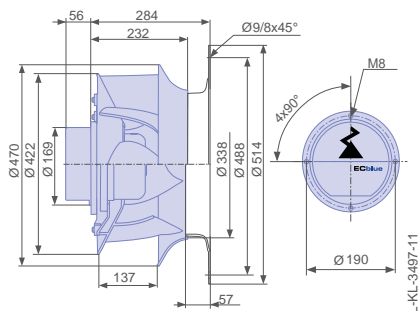


Measured with inlet nozzle, without guard grille according to ISO 5801

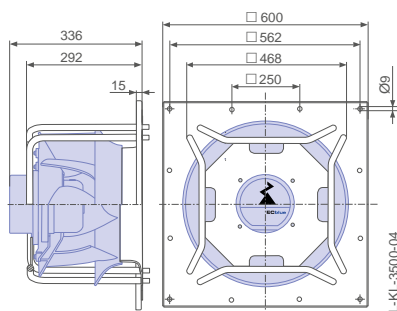
Inlet ring	00411686	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

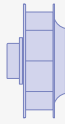
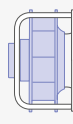


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
__45V-ZIK.DC.VR	I	1530	①	1.65	580	78	40
			②	3.50	1300	75	
			③	3.00	1100	79	
	II	1370	④	1.20	420	75	60
			⑤	2.50	920	73	
			⑥	2.20	800	77	
	III	1220	⑦	0.90	310	71	
			⑧	1.85	660	70	
			⑨	1.60	560	74	
	IV	920	⑩	0.50	140	64	
			⑪	0.84	290	64	
			⑫	0.76	250	67	
	V	610	⑬	0.23	55	53	
			⑭	0.35	95	53	
			⑮	0.32	85	58	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-ZIK.DC.VR	GR45V-ZIK.DC.VR
Article no.	115705	115745/A01
Weight kg	10.50	28.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

RH45V-ZIK



Description

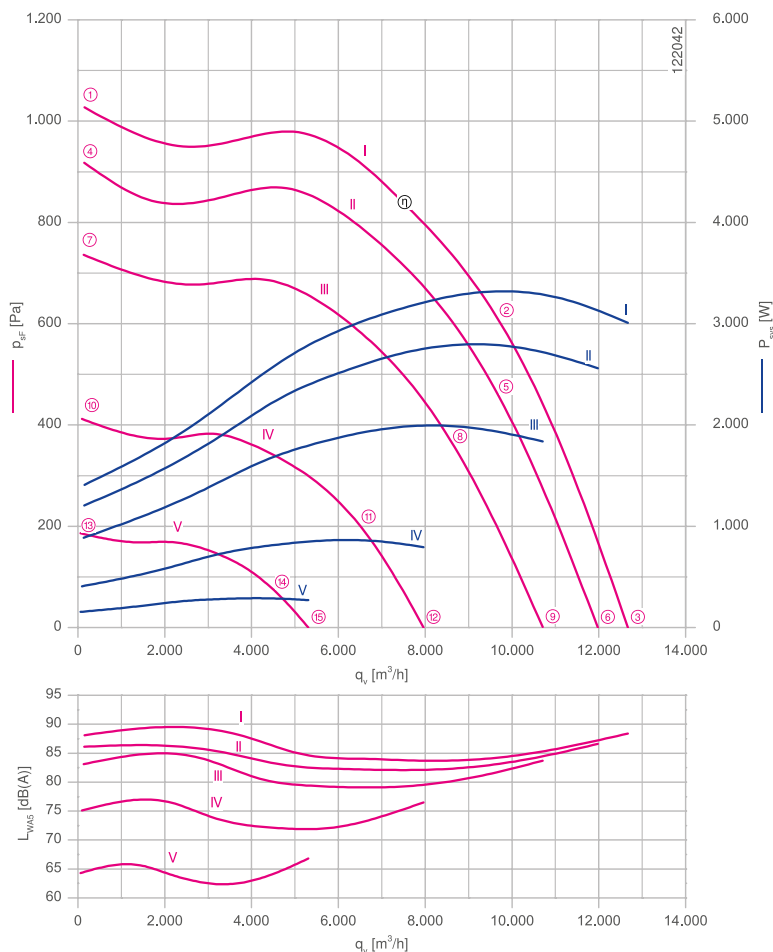
Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 3.30 kW*
 Rated current I_N : 11.00-9.00 A*
 Rated speed n_N : 2120 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 50 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

ErP-data

Efficiency η_{statA} : 59.9 %
 Efficiency: $N_{actual} = 65.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

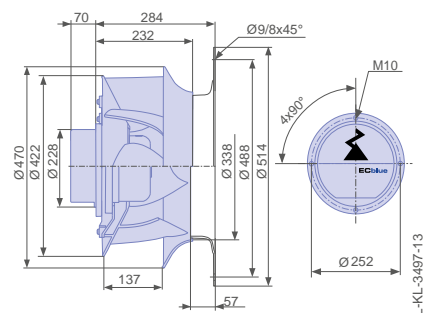


Measured with inlet nozzle, without guard grille according to ISO 5801

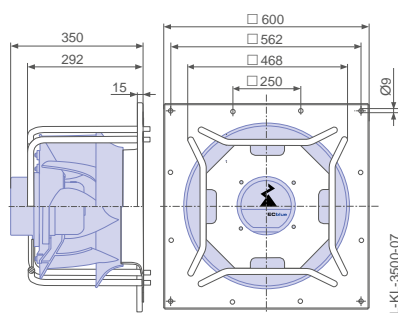
Inlet ring 00411686 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

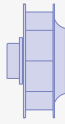
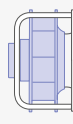


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__45V-ZIK.GG.VR	I	2120	①	3.90	1400	88	50
			②	9.40	3300	84	
			③	8.40	3000	88	
	II	2000	④	3.30	1200	86	60
			⑤	8.00	2800	83	
			⑥	7.20	2600	87	
	III	1790	⑦	2.50	880	83	
			⑧	5.80	2000	80	
			⑨	5.20	1850	84	
	IV	1340	⑩	1.15	400	75	
			⑪	2.40	860	73	
			⑫	2.20	800	77	
	V	900	⑬	0.54	150	64	
			⑭	0.86	290	63	
			⑮	0.80	270	67	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-ZIK.GG.VR	GR45V-ZIK.GG.VR
Article no.	115708	115748/A01
Weight kg	19.00	36.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

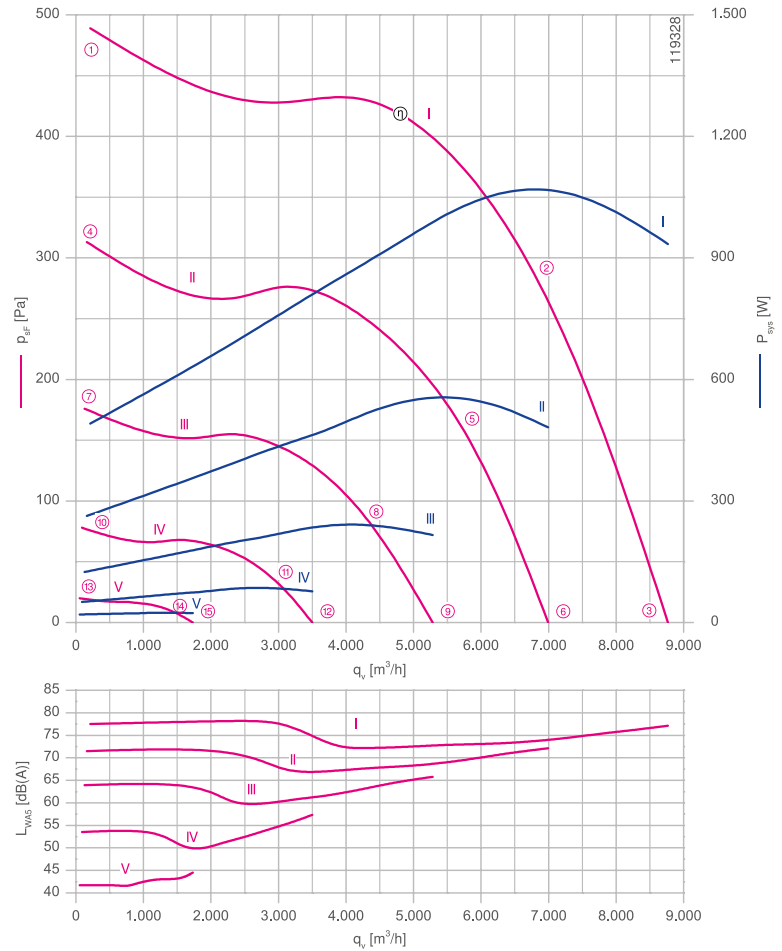
RH45V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.10 kW*
 Rated current I_N : 1.80-1.45 A*
 Rated speed n_N : 1450 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 66.3 %
 Efficiency: $N_{actual} = 77.1 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

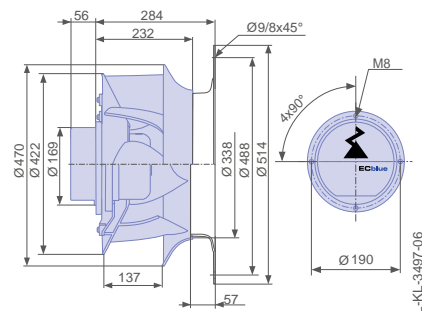


Measured with inlet nozzle, without guard grille according to ISO 5801

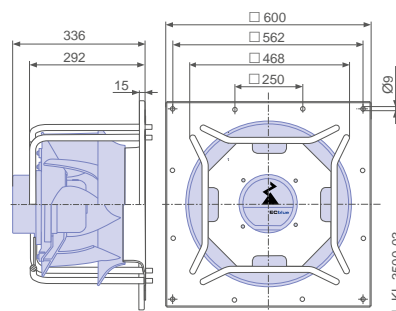
Inlet ring 00411686 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo


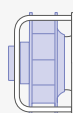


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_45V-ZIK.DC.VR	I	1450	①	0.92	500	78
			②	1.75	1100	74
			③	1.50	940	77
	II	1160	④	0.62	260	72
			⑤	1.00	560	69
			⑥	0.92	480	72
	III	870	⑦	0.40	120	64
			⑧	0.60	240	63
			⑨	0.56	220	66
	IV	580	⑩	0.24	50	54
			⑪	0.31	85	54
			⑫	0.30	75	57
	V	290	⑬	0.17	20	42
			⑭	0.18	24	43
			⑮	0.18	24	45

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-ZIK.DC.VR	GR45V-ZIK.DC.VR
Article no.	115704	115744/A01
Weight kg	10.50	28.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH45V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 3.40 kW*
 Rated current I_N : 5.40-4.40 A*
 Rated speed n_N : 2120 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

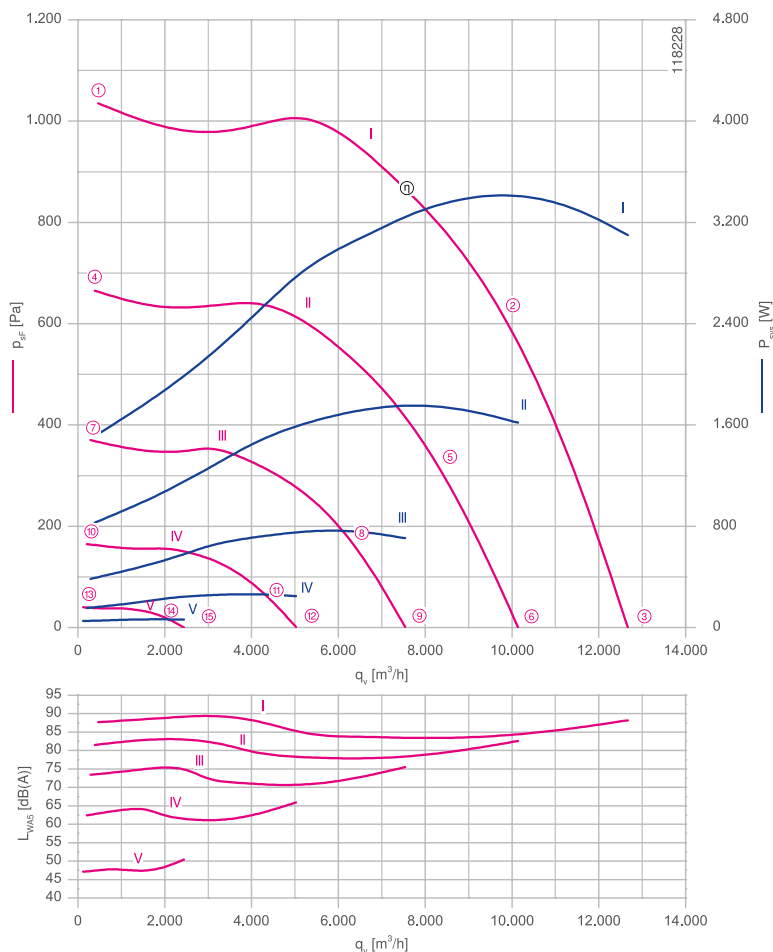
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 60.4 %
 Efficiency: $N_{actual} = 65.6 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

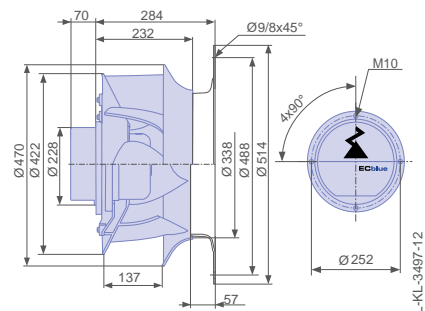


Measured with inlet nozzle, without guard grille according to ISO 5801

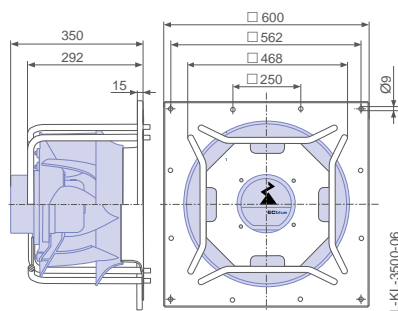
Inlet ring	00411686	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo


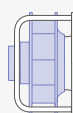


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
__45V-ZIK.GG.VR	I	2120	①	2.40	1550	88
			②	5.20	3400	84
			③	4.80	3100	88
	II	1700	④	1.40	820	82
			⑤	2.70	1750	79
			⑥	2.50	1600	83
	III	1270	⑦	0.82	380	73
			⑧	1.30	760	72
			⑨	1.20	700	76
	IV	850	⑩	0.46	150	62
			⑪	0.64	260	62
			⑫	0.62	250	66
	V	420	⑬	0.24	50	47
			⑭	0.28	65	48
			⑮	0.28	65	50

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH45V-ZIK.GG.VR	GR45V-ZIK.GG.VR
Article no.	115707	115747/A01
Weight kg	19.00	36.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

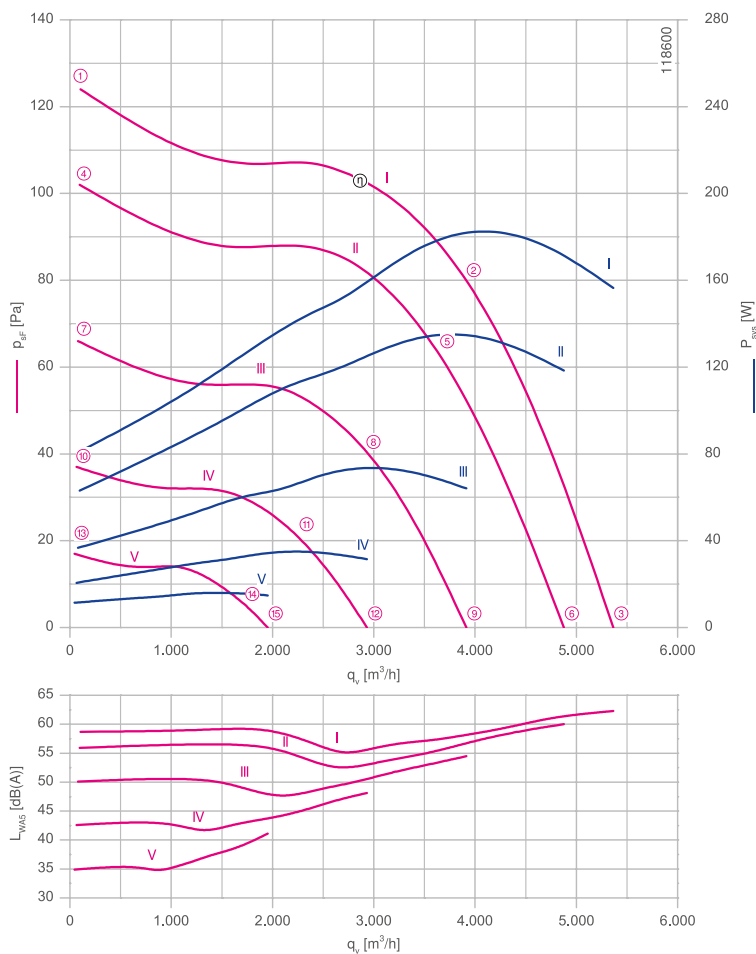
RH50V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.18 kW*
 Rated current I_N : 0.92-0.68 A*
 Rated speed n_N : 660 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 60.7 %
 Efficiency: $N_{actual} = 79.7 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

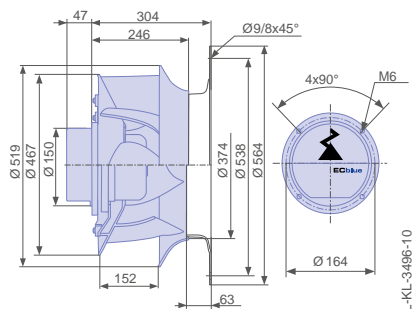


Measured with inlet nozzle, without guard grille according to ISO 5801

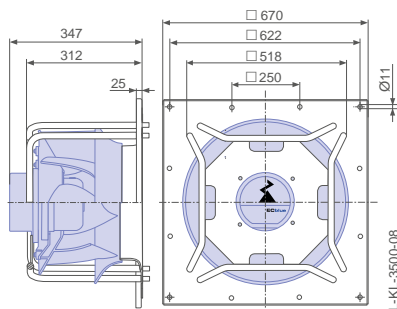
Inlet ring 00412014 Page 162
 Connection diagram 1360-384 Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

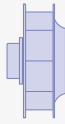
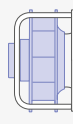


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__50V-6IK.BD.VR	I	660	①	0.37	80	59	55
			②	0.80	180	58	
			③	0.70	160	62	
	II	600	④	0.30	65	56	60
			⑤	0.62	140	55	
			⑥	0.52	120	60	
	III	480	⑦	0.19	36	50	
			⑧	0.34	75	50	
			⑨	0.30	65	55	
	IV	360	⑩	0.13	20	43	
			⑪	0.18	36	44	
			⑫	0.17	32	48	
	V	240	⑬	0.11	11	35	
			⑭	0.12	16	38	
			⑮	0.12	15	41	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-6IK.BD.VR	GR50V-6IK.BD.VR
Article no.	115709	115749/A01
Weight kg	8.60	31.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

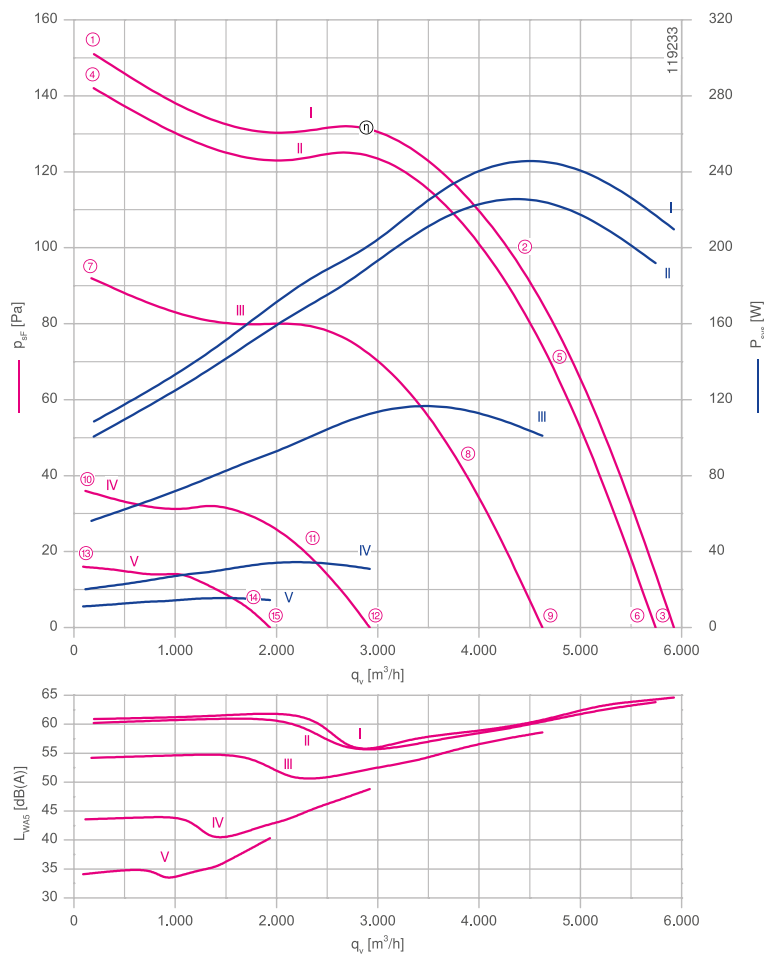
RH50V-6IK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.25 kW*
 Rated current I_N : 1.25-0.92 A*
 Rated speed n_N : 730 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 61.7 %
 Efficiency: $N_{actual} = 79.5 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

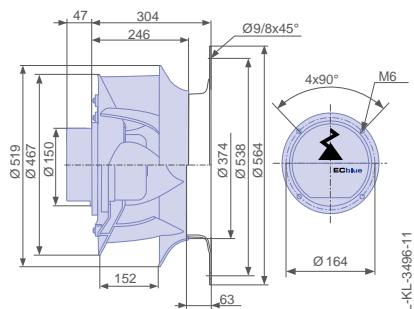


Measured with inlet nozzle, without guard grille according to ISO 5801

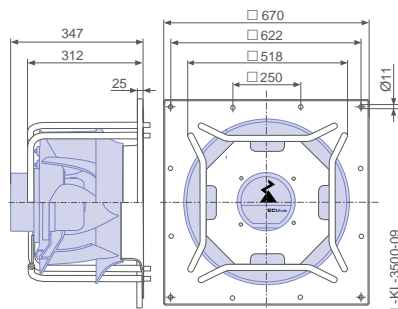
Inlet ring	00412014	Page 162
Connection diagram	1360-384	Page 164

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

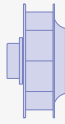
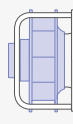


Performance data



Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	
__50V-6IK.BD.VR	I	730	①	0.52	110	61	55
			②	1.10	250	60	
			③	0.94	210	65	
	II	710	④	0.48	100	60	60
			⑤	1.00	230	61	
			⑥	0.86	190	64	
	III	570	⑦	0.30	55	54	
			⑧	0.54	120	56	
			⑨	0.48	100	59	
	IV	360	⑩	0.16	20	44	
			⑪	0.21	34	44	
			⑫	0.19	30	49	
	V	240	⑬	0.13	11	34	
			⑭	0.14	16	37	
			⑮	0.14	15	40	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-6IK.BD.VR	GR50V-6IK.BD.VR
Article no.	115710	115750/A01
Weight kg	8.60	31.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology

Control modules	Sensor control modules
	

ZAvblue-ECblue

for single phase alternating current, 200-277 V

RH50V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.52 kW*
 Rated current I_N : 2.60-1.90 A*
 Rated speed n_N : 960 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue

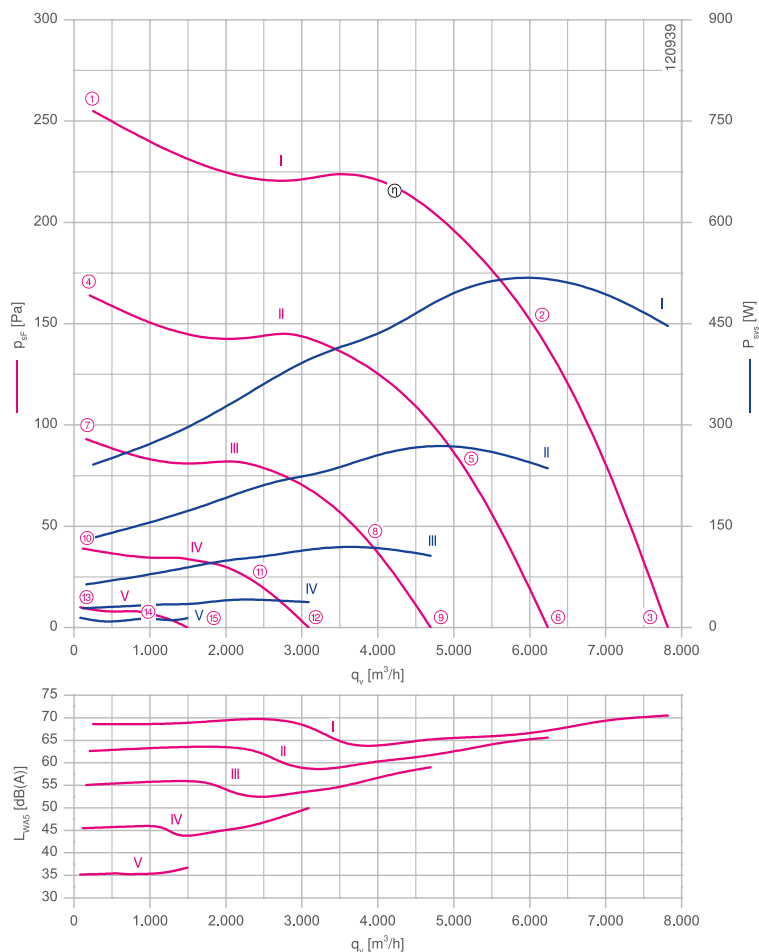
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 65.0 %
 Efficiency: $N_{actual} = 79.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

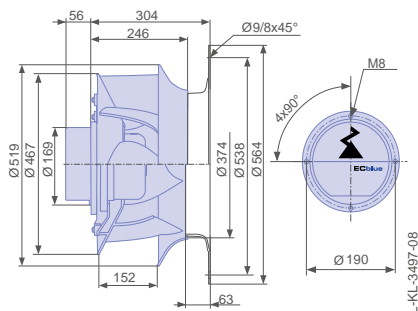


Measured with inlet nozzle, without guard grille according to ISO 5801

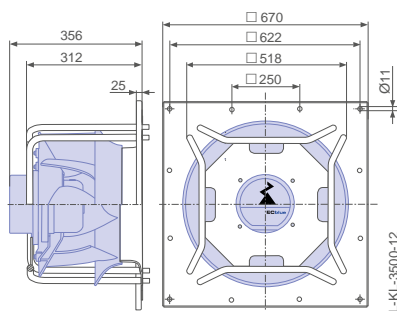
Inlet ring 00412014 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

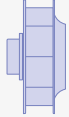
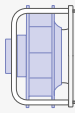


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_50V-ZIK.DC.VR	I	960	①	1.10	240	69
			②	2.30	520	67
			③	1.95	440	71
	II	770	④	0.62	130	63
			⑤	1.20	270	63
			⑥	1.05	240	66
	III	580	⑦	0.36	65	55
			⑧	0.58	120	56
			⑨	0.52	110	59
	IV	380	⑩	0.37	28	46
			⑪	0.44	42	46
			⑫	0.42	38	50
	V	190	⑬	0.30	15	35
			⑭	0.30	15	35
			⑮	0.29	14	37

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-ZIK.DC.VR	GR50V-ZIK.DC.VR
Article no.	115713	115753/A01
Weight kg	11.40	34.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

RH50V-ZIK



Description

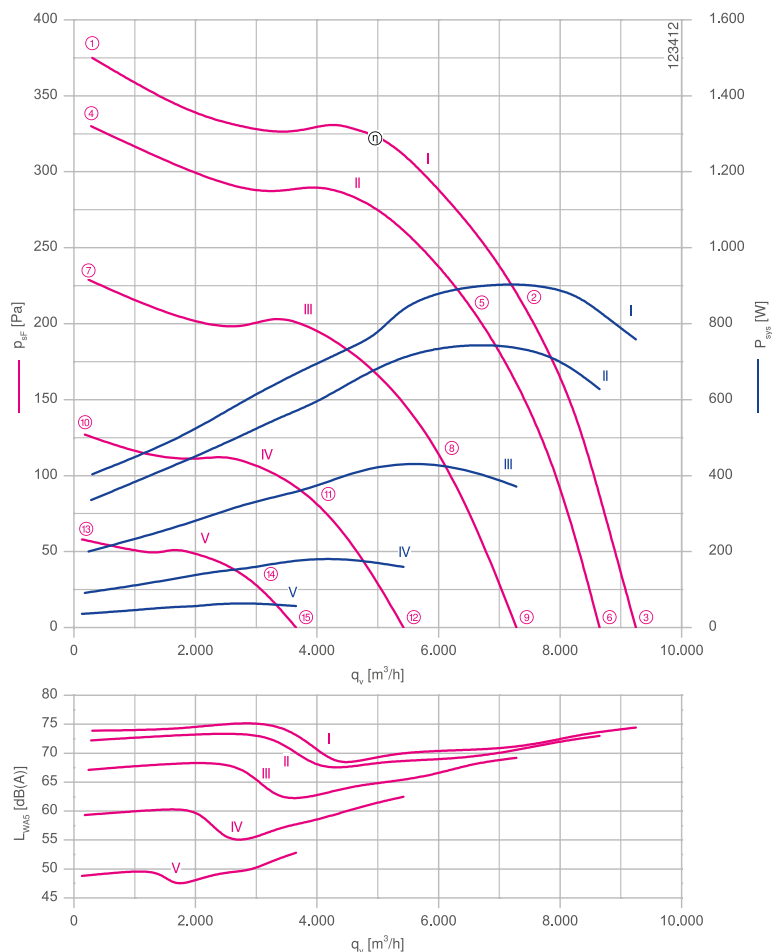
Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.90 kW*
 Rated current I_N : 2.80-2.30 A*
 Rated speed n_N : 1150 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 50 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, 002 (ultramarine blue)
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 65.3 %
 Efficiency: $N_{actual} = 76.9 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

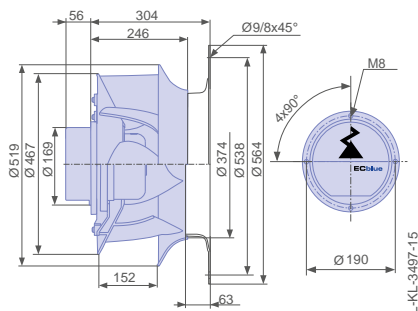


Measured with inlet nozzle, without guard grille according to ISO 5801

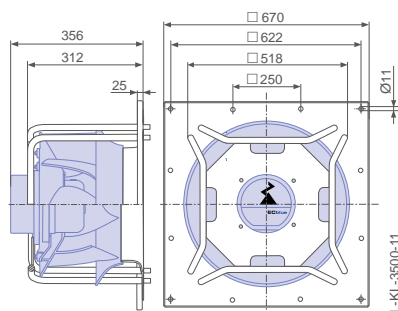
Inlet ring	00412014	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

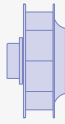
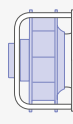


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__50V-ZIK.DC.VR	I	1150	①	1.10	400	74	50
			②	2.40	900	71	
			③	2.00	760	74	
	II	1080	④	0.96	340	72	60
			⑤	2.00	740	69	
			⑥	1.70	620	73	
	III	900	⑦	0.64	200	67	
			⑧	1.20	420	66	
			⑨	1.05	370	69	
	IV	670	⑩	0.37	90	59	
			⑪	0.60	180	58	
			⑫	0.54	160	63	
	V	450	⑬	0.20	36	49	
			⑭	0.28	65	50	
			⑮	0.26	55	53	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-ZIK.DC.VR	GR50V-ZIK.DC.VR
Article no.	115712	115752/A01
Weight kg	11.40	34.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

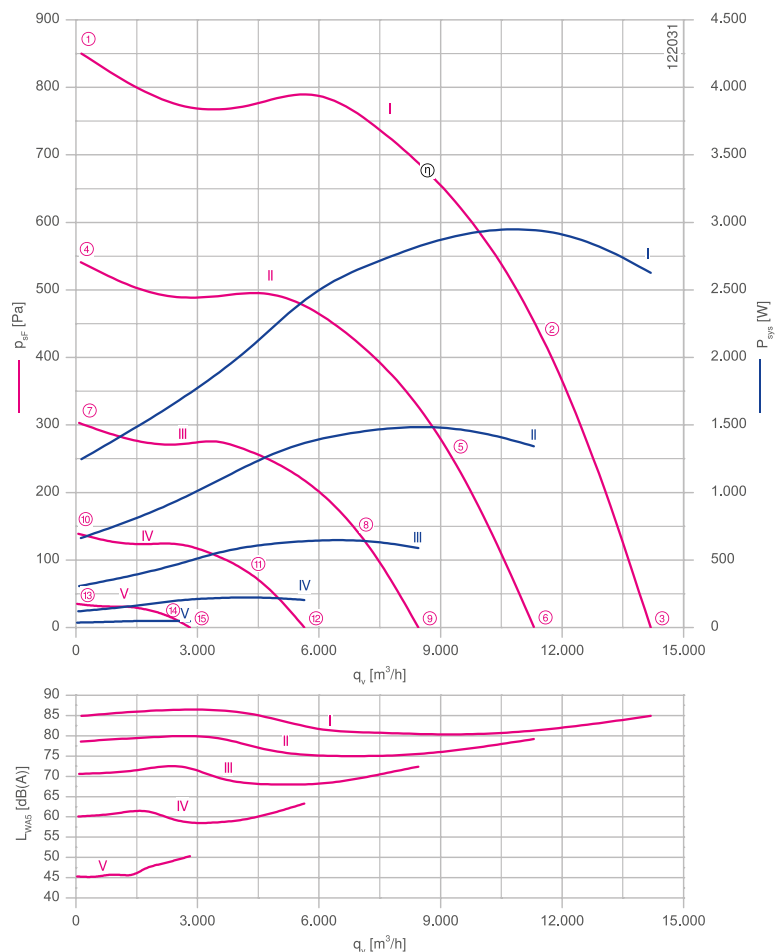
RH50V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.90 kW*
 Rated current I_N : 9.40-7.80 A*
 Rated speed n_N : 1740 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 62.0 %
 Efficiency: $N_{actual} = 67.7 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

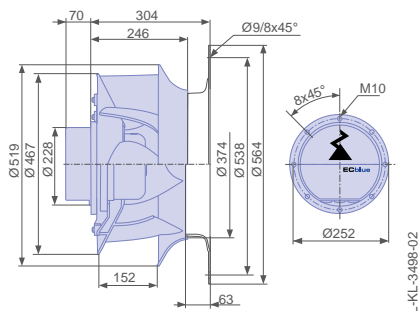


Measured with inlet nozzle, without guard grille according to ISO 5801

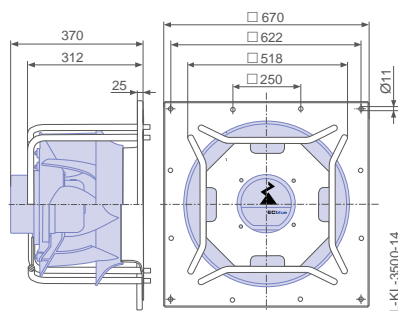
Inlet ring 00412014 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

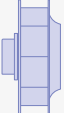
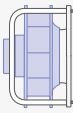


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_50V-ZIK.GG.VR	I	1740	①	3.40	1250	85
			②	8.00	2900	81
			③	7.20	2600	85
	II	1390	④	1.85	660	79
			⑤	4.00	1500	76
			⑥	3.70	1350	79
	III	1040	⑦	0.90	310	71
			⑧	1.80	640	69
			⑨	1.65	580	72
	IV	700	⑩	0.46	120	60
			⑪	0.68	220	60
			⑫	0.64	200	63
	V	350	⑬	0.20	36	45
			⑭	0.25	50	49
			⑮	0.24	48	50

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-ZIK.GG.VR	GR50V-ZIK.GG.VR
Article no.	115715	115755/A01
Weight kg	20.00	42.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH50V-ZIK

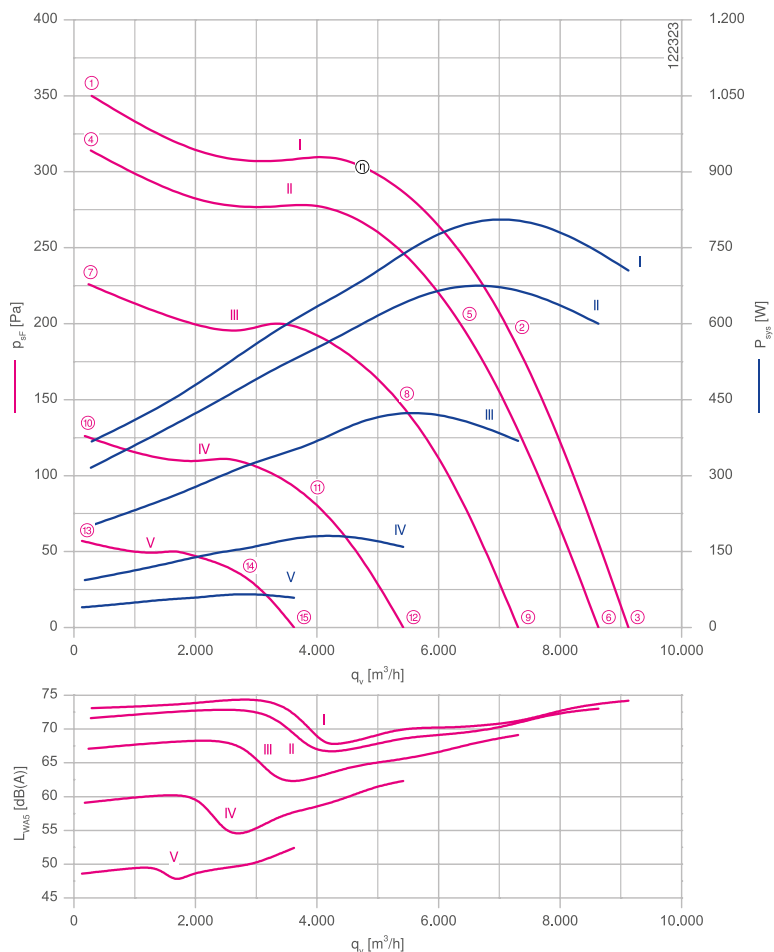


Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.82 kW*
 Rated current I_N : 1.40-1.15 A*
 Rated speed n_N : 1120 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature t_r at n_{max} : 55 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 65.8 %
 Efficiency: $N_{actual} = 78.0 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

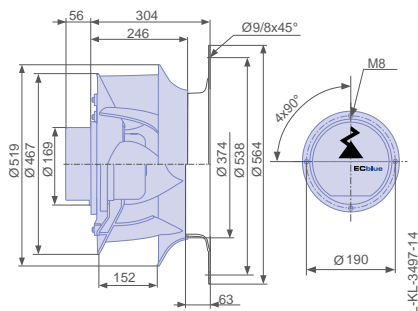


Measured with inlet nozzle, without guard grille according to ISO 5801

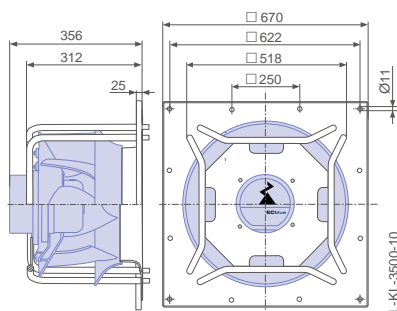
Inlet ring 00412014 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

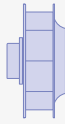
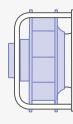


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__50V-ZIK.DC.VR	I	1120	①	0.76	370	73	55
			②	1.35	820	71	
			③	1.20	700	74	
	II	1060	④	0.70	320	72	60
			⑤	1.15	700	69	
			⑥	1.05	600	73	
	III	900	⑦	0.50	200	67	
			⑧	0.84	420	65	
			⑨	0.76	370	69	
	IV	670	⑩	0.33	95	59	
			⑪	0.48	180	58	
			⑫	0.44	160	62	
	V	450	⑬	0.21	40	49	
			⑭	0.27	65	50	
			⑮	0.25	60	52	

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-ZIK.DC.VR	GR50V-ZIK.DC.VR
Article no.	115711	115751/A01
Weight kg	11.40	34.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

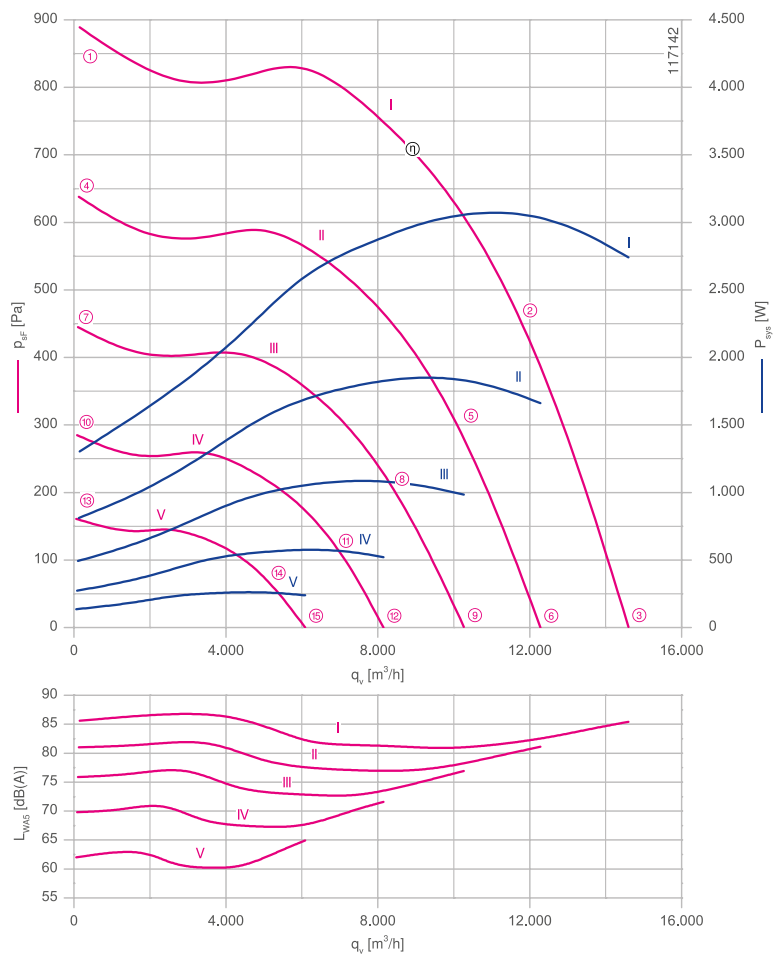
RH50V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 3.10 kW*
 Rated current I_N : 5.00-3.90 A*
 Rated speed n_N : 1770 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.6 %
 Efficiency: $N_{actual} = 69.1 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

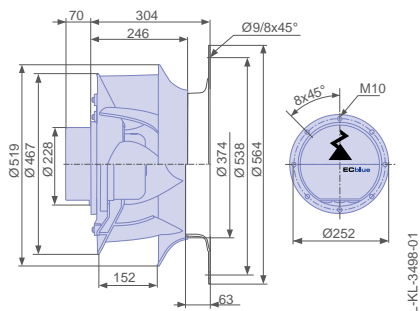


Measured with inlet nozzle, without guard grille according to ISO 5801

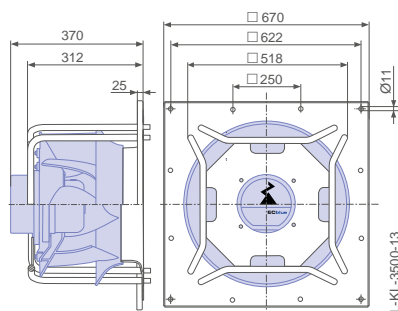
Inlet ring	00412014	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo


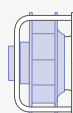


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_50V-ZIK.GG.VR	I	1770	①	2.00	1300	86
			②	4.60	3100	82
			③	4.20	2700	85
	II	1500	④	1.35	820	81
			⑤	2.90	1850	78
			⑥	2.60	1650	81
	III	1250	⑦	0.94	500	76
			⑧	1.75	1100	74
			⑨	1.60	980	77
	IV	1000	⑩	0.64	270	70
			⑪	1.05	580	69
			⑫	0.96	520	72
	V	750	⑬	0.42	140	62
			⑭	0.62	260	62
			⑮	0.58	240	65

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH50V-ZIK.GG.VR	GR50V-ZIK.GG.VR
Article no.	115714	115754/A01
Weight kg	20.00	42.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for single phase alternating current, 200-277 V

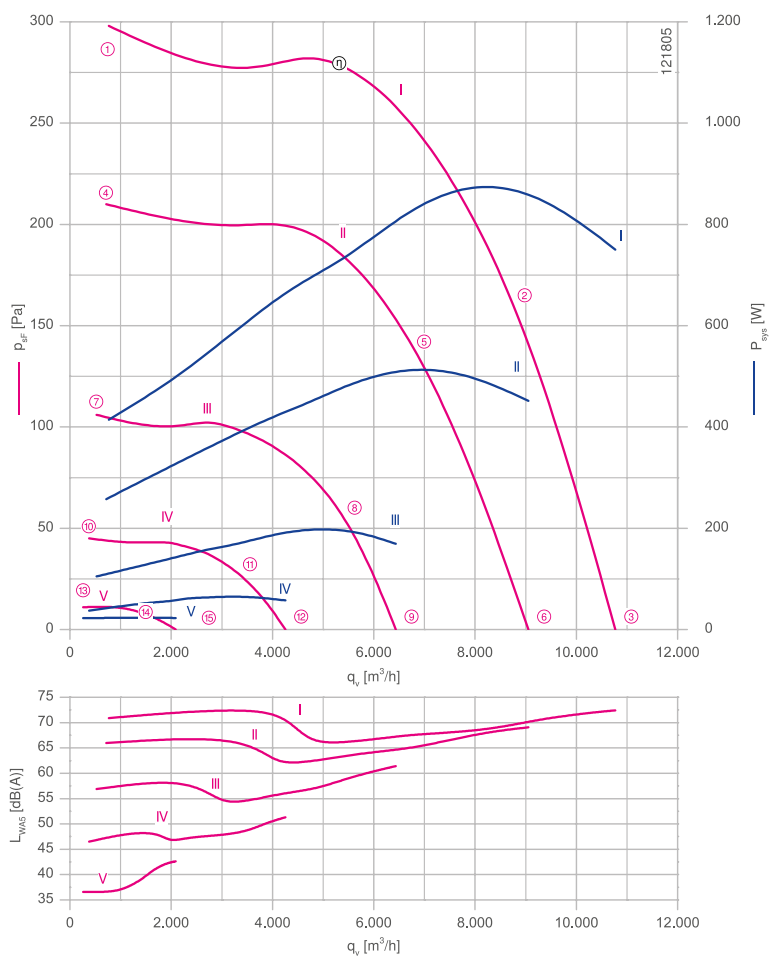
RH56V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 1-200-277 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 0.88 kW*
 Rated current I_N : 4.40-3.20 A*
 Rated speed n_N : 960 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 45 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.8 %
 Efficiency: $N_{actual} = 75.7 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

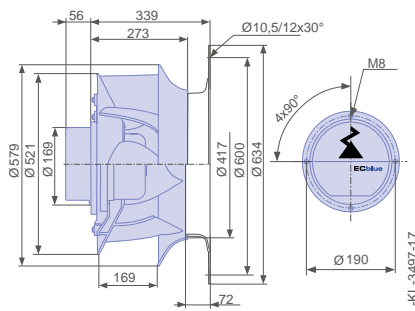


Measured with inlet nozzle, without guard grille according to ISO 5801

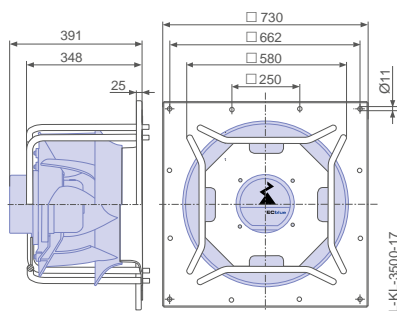
Inlet ring	00412015	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

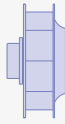
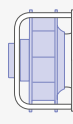


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__56V-ZIK.DG.VR	I	960	①	1.90	420	71	45
			②	3.90	880	69	
			③	3.30	760	72	
	II	810	④	1.20	260	66	60
			⑤	2.40	520	65	
			⑥	2.10	460	69	
	III	580	⑦	0.52	100	57	
			⑧	0.92	200	59	
			⑨	0.80	170	61	
	IV	380	⑩	0.39	38	47	
			⑪	0.36	65	48	
			⑫	0.34	55	51	
	V	190	⑬	0.32	22	37	
			⑭	0.33	24	39	
			⑮	0.32	22	43	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.DG.VR	GR56V-ZIK.DG.VR
Article no.	115718	115758/A01
Weight kg	14.40	42.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

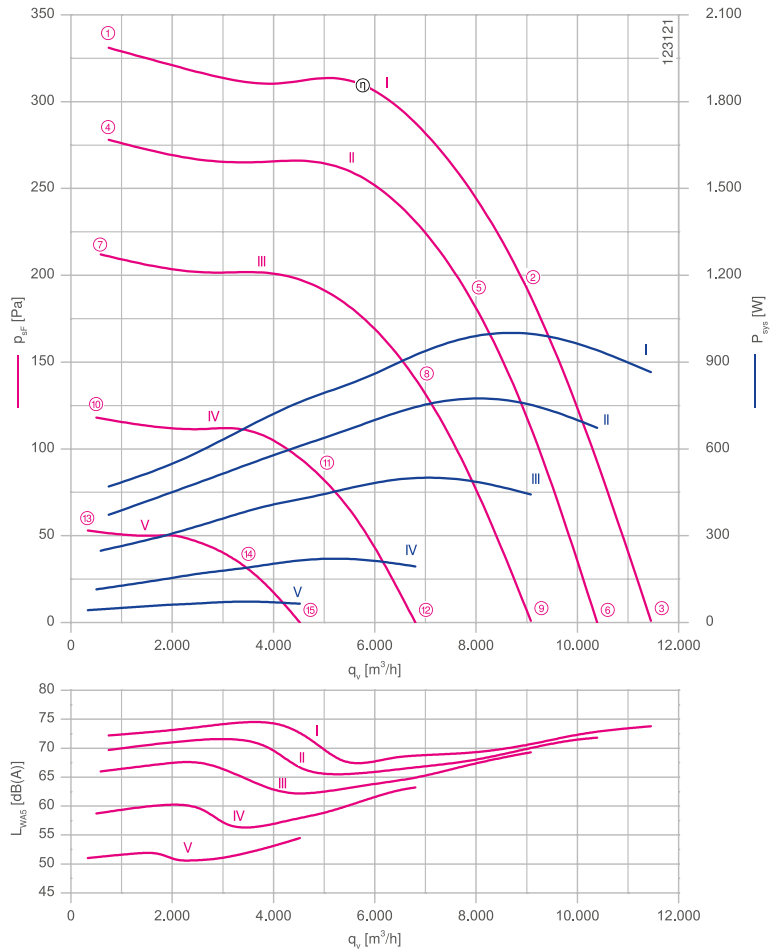
RH56V-ZIK



Description

Motor technology: EC
Rated voltage U_N : 3-200-240 V*
Rated frequency f_N : 50/60 Hz*
Input power P_{sys} : 1.00 kW*
Rated current I_N : 3.10-2.60 A*
Rated speed n_N : 1000 min⁻¹*
Thermal class: **THCL155***
Min. permitted ambient temperature t_R : -15 °C
Max. permitted ambient temperature t_R at n_{max} : 50 °C
Electrical connection: Integrated controller
Balancing quality: G 6.3
Degree of protection : IP54
Motor protection: Integrated active temperature management
Impeller : High Performance Composite Material, uncoated, 002 (ultramarine blue)
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 66.4 %
Efficiency: $N_{actual} = 77.6 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

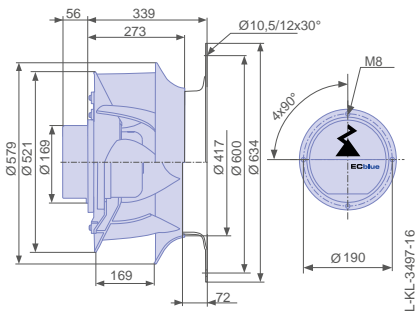
Characteristic curve



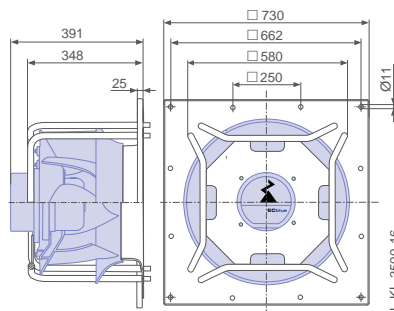
Inlet ring	00412015	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

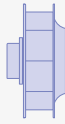
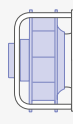


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__56V-ZIK.DG.VR	I	1000	①	1.30	460	72	50
			②	2.70	1000	70	
			③	2.30	860	74	
	II	920	④	1.10	370	70	60
			⑤	2.10	780	68	
			⑥	1.85	680	72	
	III	800	⑦	0.78	250	66	
			⑧	1.45	520	65	
			⑨	1.25	440	69	
	IV	600	⑩	0.46	110	59	
			⑪	0.72	220	59	
			⑫	0.66	190	63	
	V	400	⑬	0.24	42	51	
			⑭	0.33	75	52	
			⑮	0.30	65	55	

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.DG.VR	GR56V-ZIK.DG.VR
Article no.	115717	115757/A01
Weight kg	14.40	42.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

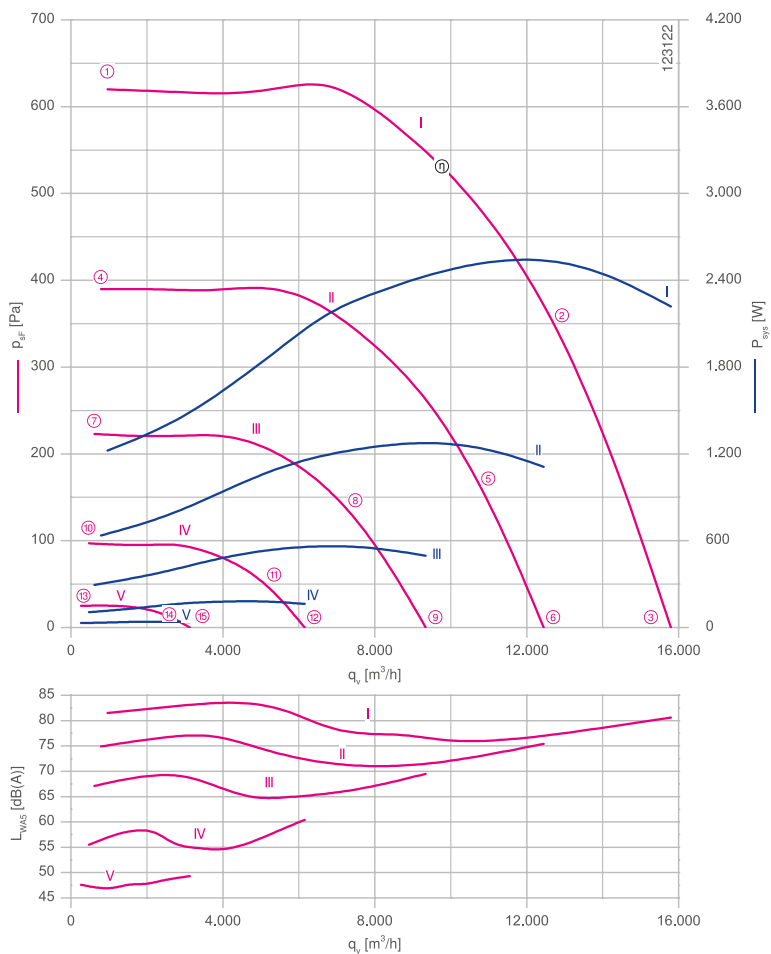
RH56V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.50 kW*
 Rated current I_N : 7.80-6.40 A*
 Rated speed n_N : 1380 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, 002 (ultramarine blue)
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.6 %
 Efficiency: $N_{actual} = 70.0 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

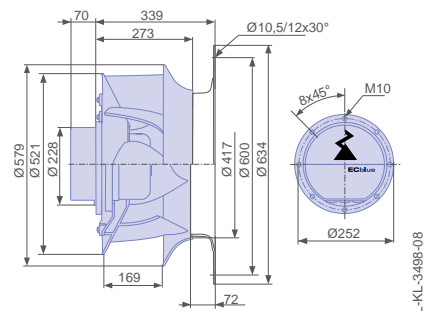


Measured with inlet nozzle, without guard grille according to ISO 5801

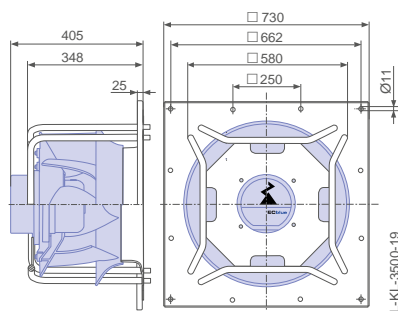
Inlet ring 00412015 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo


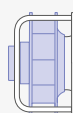


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_56V-ZIK.GG.VR	I	1380	①	3.30	1200	82
			②	6.80	2500	77
			③	5.80	2200	81
	II	1100	④	1.75	640	75
			⑤	3.40	1300	71
			⑥	3.00	1100	75
	III	830	⑦	0.92	290	67
			⑧	1.60	560	65
			⑨	1.40	500	70
	IV	550	⑩	0.46	110	56
			⑪	0.64	180	56
			⑫	0.60	160	60
	V	280	⑬	0.22	30	48
			⑭	0.26	40	49
			⑮	0.25	38	49

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.GG.VR	GR56V-ZIK.GG.VR
Article no.	115720	115760/A01
Weight kg	21.60	48.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

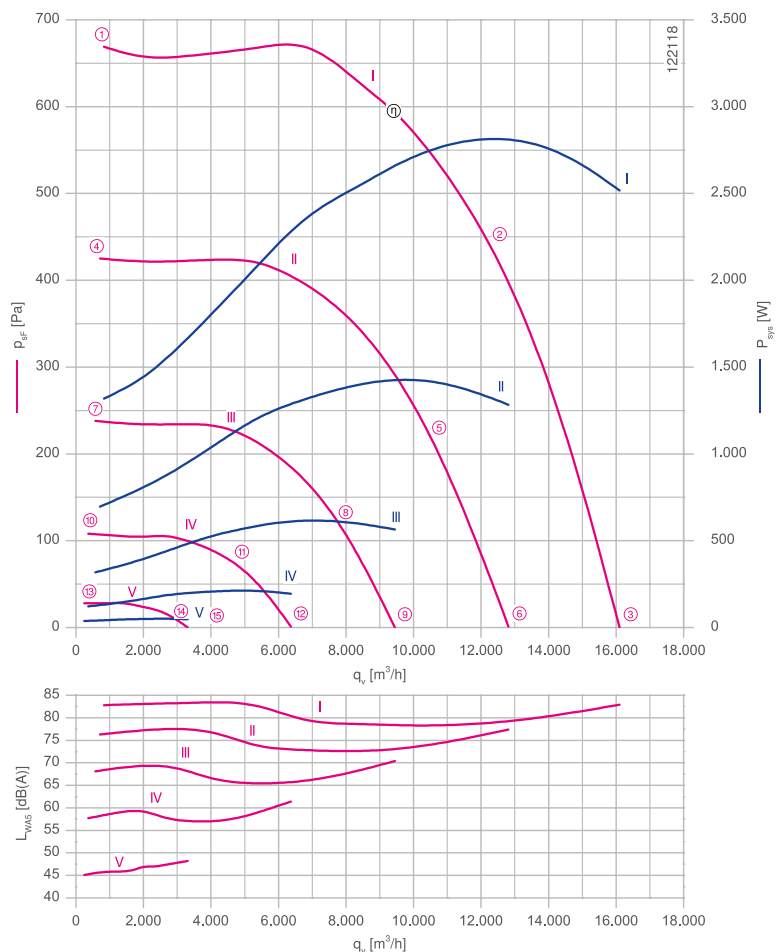
RH56V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.80 kW*
 Rated current I_N : 8.80-7.20 A*
 Rated speed n_N : 1440 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_{Rmax} : 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.5 %
 Efficiency: $N_{actual} = 69.5 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

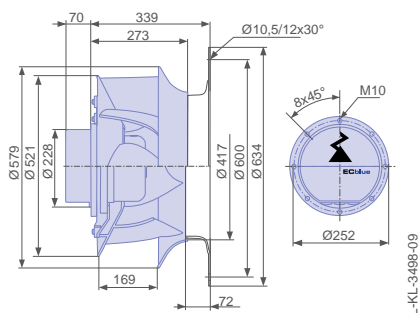


Measured with inlet nozzle, without guard grille according to ISO 5801

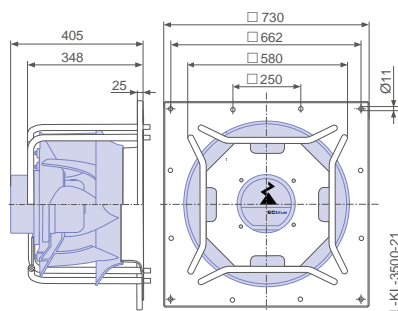
Inlet ring 00412015 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

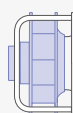


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_56V-ZIK.GL.VR	I	1440	①	3.60	1300	83
			②	7.60	2800	79
			③	6.80	2500	83
	II	1150	④	1.95	700	76
			⑤	3.90	1450	74
			⑥	3.50	1300	77
	III	860	⑦	0.94	320	68
			⑧	1.75	620	67
			⑨	1.60	560	70
	IV	580	⑩	0.46	120	58
			⑪	0.68	210	58
			⑫	0.62	190	61
	V	300	⑬	0.21	38	45
			⑭	0.25	50	48
			⑮	0.24	48	48

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.GL.VR	GR56V-ZIK.GL.VR
Article no.	115722	115762/A01
Weight kg	26.00	52.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

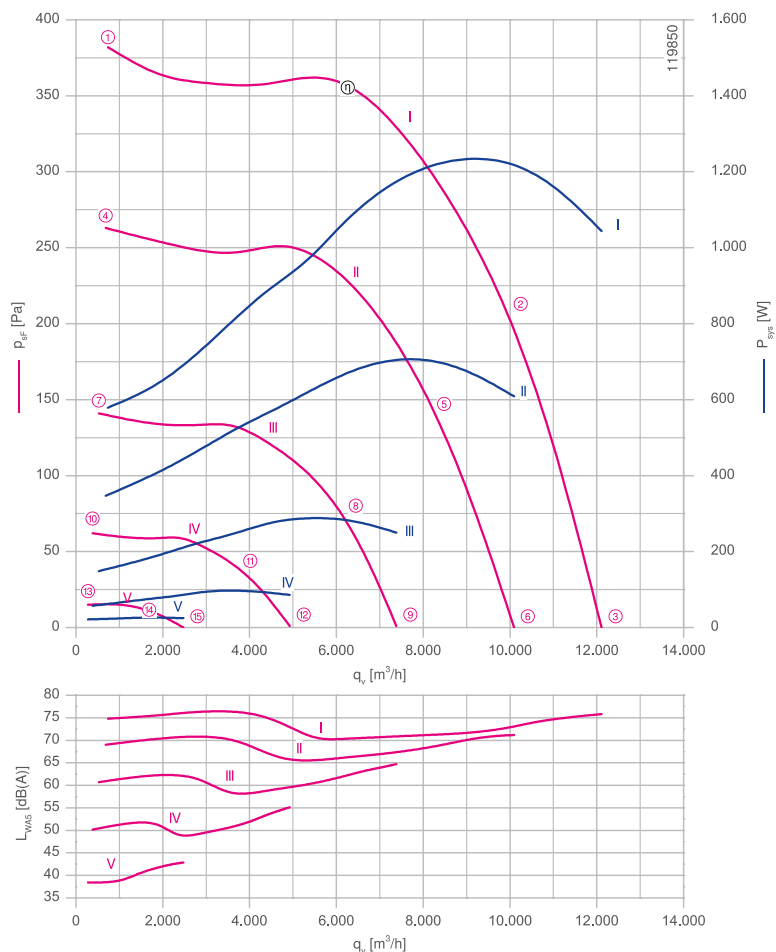
RH56V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 1.25 kW*
 Rated current I_N : 2.00-1.60 A*
 Rated speed n_N : 1080 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature t_R at n_{max} : 40 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 64.2 %
 Efficiency: $N_{actual} = 74.4 / N_{target} = 50^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

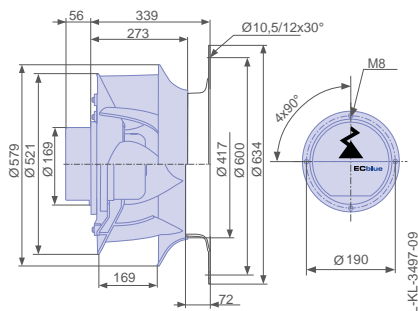


Measured with inlet nozzle, without guard grille according to ISO 5801

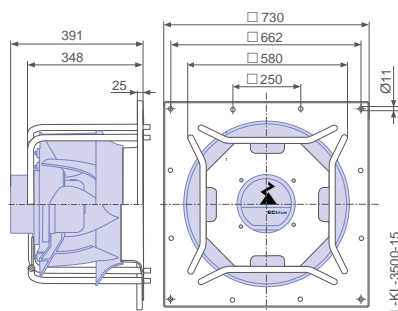
Inlet ring	00412015	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo

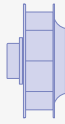
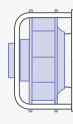


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__56V-ZIK.DG.VR	I	1080	①	1.00	580	75	40
			②	1.95	1250	73	
			③	1.65	1050	76	
	II	900	④	0.72	350	69	60
			⑤	1.20	720	69	
			⑥	1.05	600	71	
	III	660	⑦	0.40	150	61	
			⑧	0.62	290	62	
			⑨	0.58	250	65	
	IV	440	⑩	0.24	55	50	
			⑪	0.32	95	51	
			⑫	0.30	85	55	
	V	220	⑬	0.17	22	38	
			⑭	0.18	26	42	
			⑮	0.17	24	43	

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.DG.VR	GR56V-ZIK.DG.VR
Article no.	115716	115756/A01
Weight kg	14.40	42.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH56V-ZIK



Description

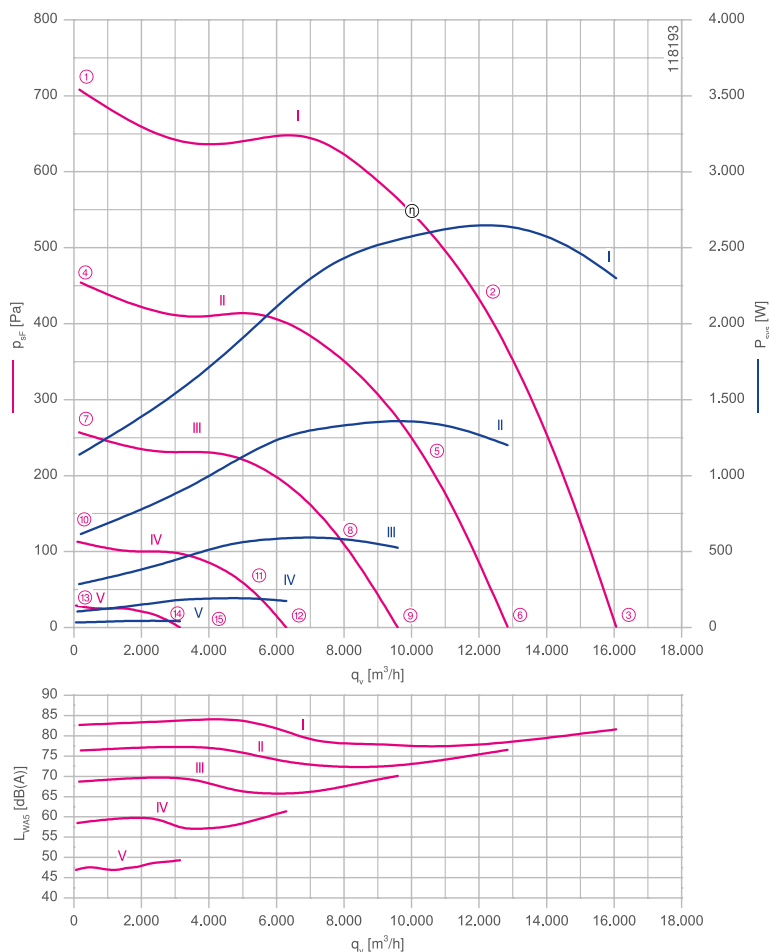
Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.60 kW*
 Rated current I_N : 4.20-3.40 A*
 Rated speed n_N : 1410 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature $t_{R,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 64.1 %
 Efficiency: $N_{actual} = 70.3 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

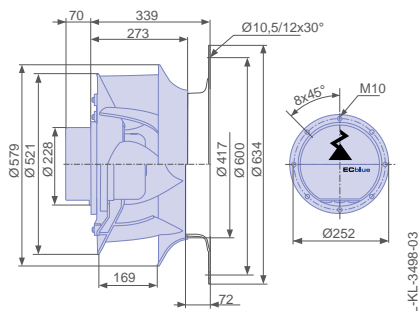


Measured with inlet nozzle, without guard grille according to ISO 5801

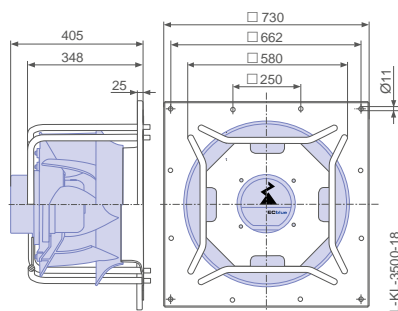
Inlet ring	00412015	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position
H/Vu/Vo


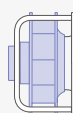


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_56V-ZIK.GG.VR	I	1410	①	1.85	1150	83
			②	4.00	2600	78
			③	3.50	2300	82
	II	1130	④	1.10	620	76
			⑤	2.20	1350	73
			⑥	1.90	1200	77
	III	850	⑦	0.66	290	69
			⑧	1.10	600	67
			⑨	0.98	520	70
	IV	560	⑩	0.35	110	59
			⑪	0.50	190	59
			⑫	0.48	170	61
	V	280	⑬	0.21	34	47
			⑭	0.23	44	49
			⑮	0.22	42	49

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.GG.VR	GR56V-ZIK.GG.VR
Article no.	115719	115759/A01
Weight kg	21.60	48.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH56V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 3.50 kW*
 Rated current I_N : 5.60-4.40 A*
 Rated speed n_N : 1550 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_R : -15 °C
 Max. permitted ambient temperature $t_{R,max}$: 50 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue

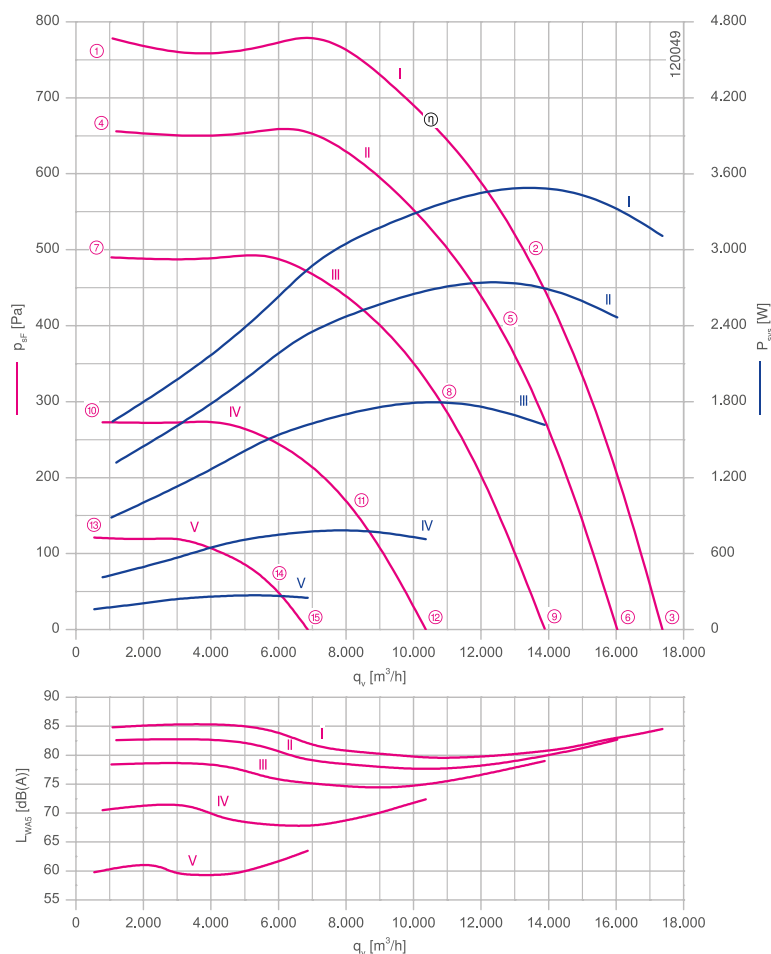
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 63.1 %
 Efficiency: $N_{actual} = 68.1 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

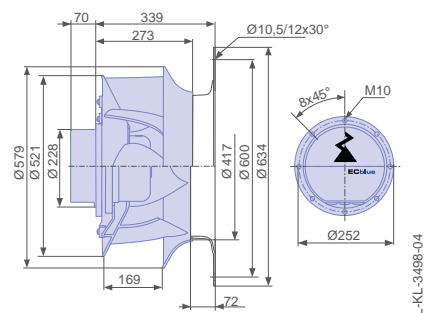


Measured with inlet nozzle, without guard grille according to ISO 5801

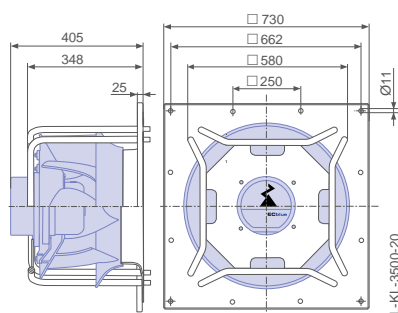
Inlet ring 00412015 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

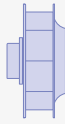
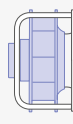


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min^{-1}		I A	P_{sys} W	L_{WAS} dB(A)	t_{R} $^{\circ}\text{C}$
__56V-ZIK.GL.VR	I	1550	①	2.50	1650	85	50
			②	5.20	3500	80	
			③	4.80	3100	85	
	II	1430	④	2.10	1300	83	60
			⑤	4.20	2700	78	
			⑥	3.80	2500	83	
	III	1240	⑦	1.45	880	78	
			⑧	2.80	1800	75	
			⑨	2.50	1600	79	
	IV	930	⑩	0.84	420	71	
			⑪	1.35	780	69	
			⑫	1.25	720	72	
	V	620	⑬	0.44	160	60	
			⑭	0.62	270	61	
			⑮	0.60	250	64	

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH56V-ZIK.GL.VR	GR56V-ZIK.GL.VR
Article no.	115721	115761/A01
Weight kg	26.00	52.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

RH63V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.00 kW*
 Rated current I_N : 6.20-5.20 A*
 Rated speed n_N : 1070 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 40 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

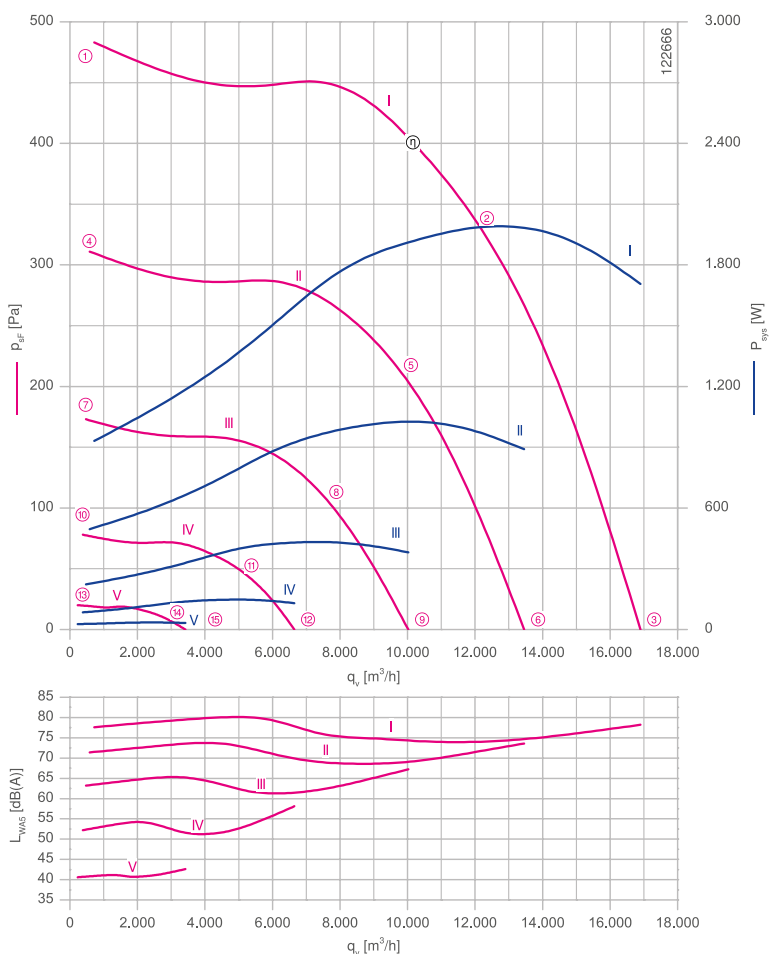
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 64.6 %
 Efficiency: $N_{actual} = 72.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

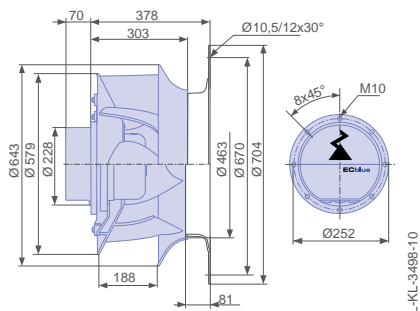


Measured with inlet nozzle, without guard grille according to ISO 5801

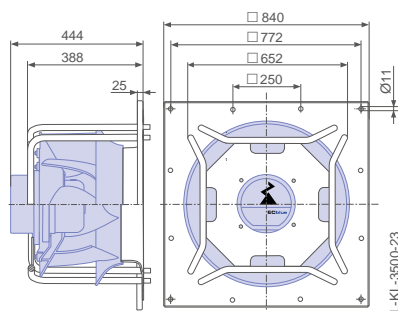
Inlet ring 00412371 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo


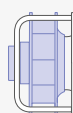


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_63V-ZIK.GG.VR	I	1070	①	2.50	940	78
			②	5.40	2000	74
			③	4.60	1700	78
	II	860	④	1.40	500	71
			⑤	2.80	1050	69
			⑥	2.40	880	74
	III	640	⑦	0.68	220	63
			⑧	1.25	440	62
			⑨	1.10	380	67
	IV	430	⑩	0.36	85	52
			⑪	0.50	150	52
			⑫	0.46	130	58
	V	220	⑬	0.17	28	41
			⑭	0.20	34	41
			⑮	0.19	32	43

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH63V-ZIK.GG.VR	GR63V-ZIK.GG.VR
Article no.	115724	115764/A01
Weight kg	23.50	58.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 200-240 V

RH63V-ZIK



Description

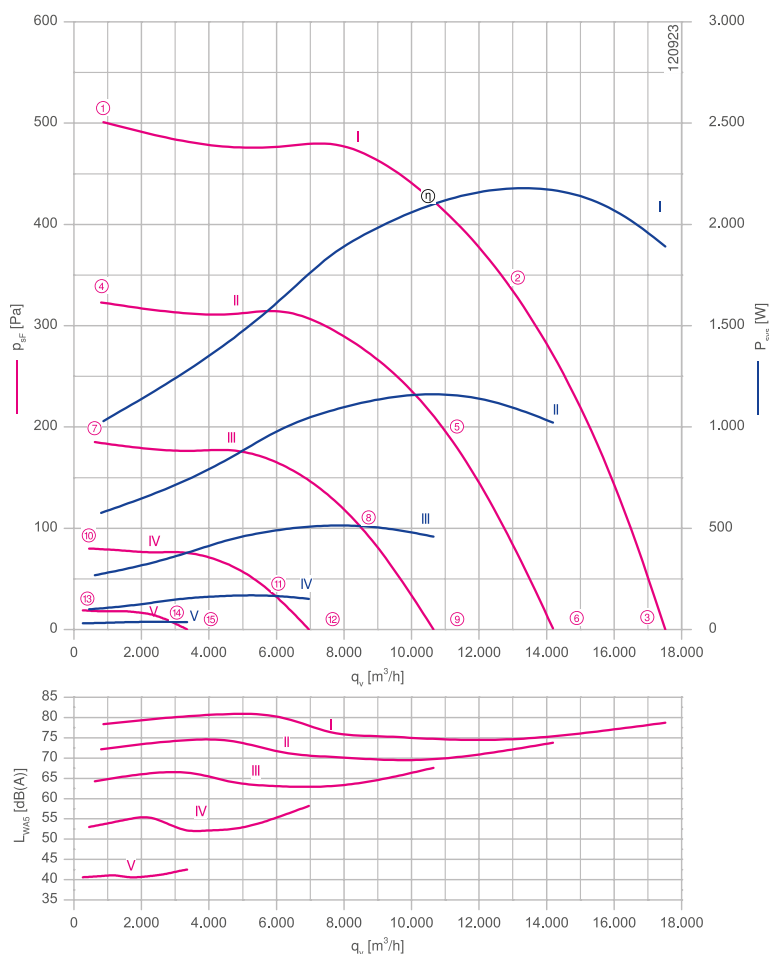
Motor technology: EC
 Rated voltage U_N : 3-200-240 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.20 kW*
 Rated current I_N : 6.60-5.40 A*
 Rated speed n_N : 1110 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 65.1 %
 Efficiency: $N_{actual} = 72.3 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

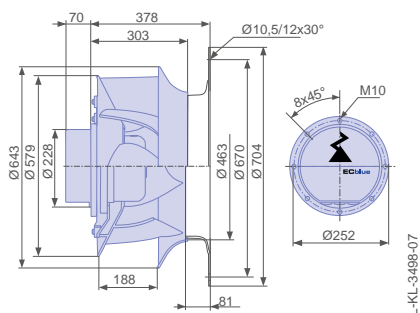


Measured with inlet nozzle, without guard grille according to ISO 5801

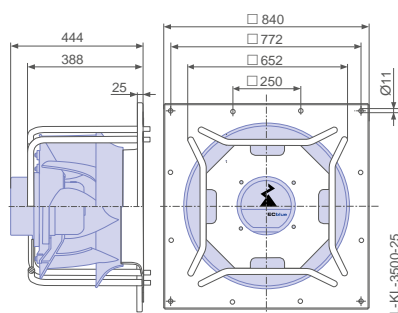
Inlet ring 00412371 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/V/u/Vo



Ventilation unit GR in installation position
 H/V/u/Vo

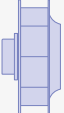


Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_63V-ZIK.GL.VR	I	1110	①	2.70	1050	78
			②	5.80	2200	75
			③	5.00	1900	79
	II	900	④	1.55	580	72
			⑤	3.10	1150	70
			⑥	2.70	1000	74
	III	680	⑦	0.80	270	64
			⑧	1.40	520	63
			⑨	1.25	460	68
	IV	450	⑩	0.42	100	53
			⑪	0.56	170	54
			⑫	0.54	150	58
	V	220	⑬	0.21	30	41
			⑭	0.24	38	41
			⑮	0.23	36	43

Current values determined at 230V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH63V-ZIK.GL.VR	GR63V-ZIK.GL.VR
Article no.	115726	115766/A01
Weight kg	27.90	63.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH63V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.10 kW*
 Rated current I_N : 3.40-2.70 A*
 Rated speed n_N : 1090 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, ultramarine blue

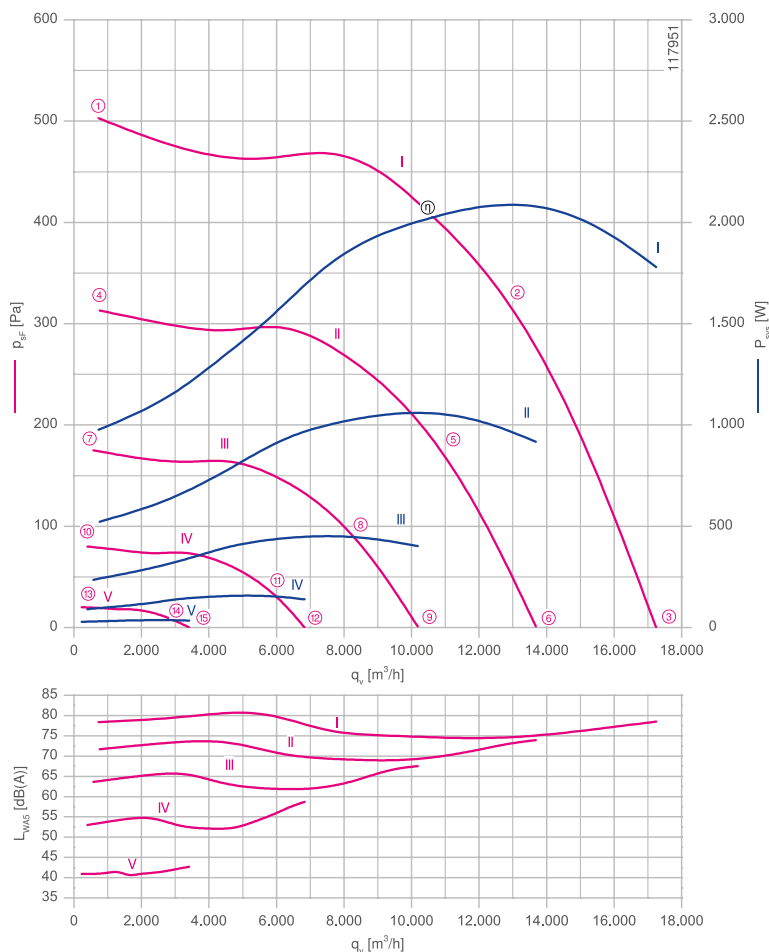
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 64.9 %
 Efficiency: $N_{actual} = 72.2 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

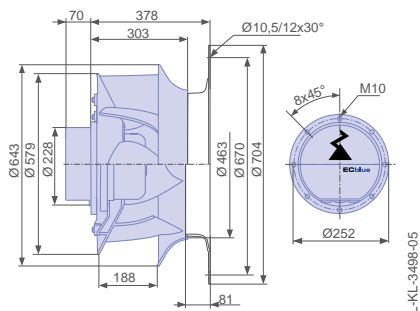


Measured with inlet nozzle, without guard grille according to ISO 5801

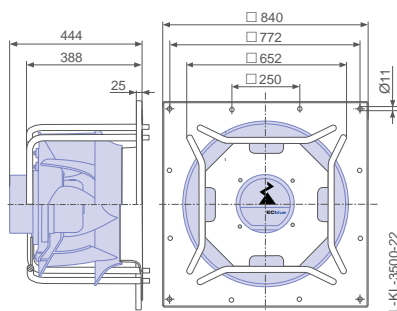
Inlet ring 00412371 Page 162
 Connection diagram 1360-403 Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo

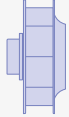
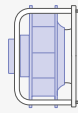


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level
		n min ⁻¹		I A	P _{sys} W	L _{WA5} dB(A)
_63V-ZIK.GG.VR	I	1090	①	1.60	980	78
			②	3.20	2100	74
			③	2.70	1800	79
	II	870	④	0.98	520	72
			⑤	1.70	1050	70
			⑥	1.50	920	74
	III	650	⑦	0.56	240	64
			⑧	0.88	460	63
			⑨	0.84	400	68
	IV	440	⑩	0.32	90	53
			⑪	0.44	160	54
			⑫	0.40	140	59
	V	220	⑬	0.19	28	41
			⑭	0.22	36	41
			⑮	0.21	34	43

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH63V-ZIK.GG.VR	GR63V-ZIK.GG.VR
Article no.	115723	115763/A01
Weight kg	23.50	58.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue-ECblue

for three phase alternating current, 380-480 V

RH63V-ZIK



Description

Motor technology: EC
 Rated voltage U_N : 3-380-480 V*
 Rated frequency f_N : 50/60 Hz*
 Input power P_{sys} : 2.80 kW*
 Rated current I_N : 4.40-3.50 A*
 Rated speed n_N : 1200 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature t_r : -15 °C
 Max. permitted ambient temperature $t_{r,max}$: 60 °C
 Electrical connection: Integrated controller
 Balancing quality: G 2.5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller: High Performance Composite Material, uncoated, ultramarine blue

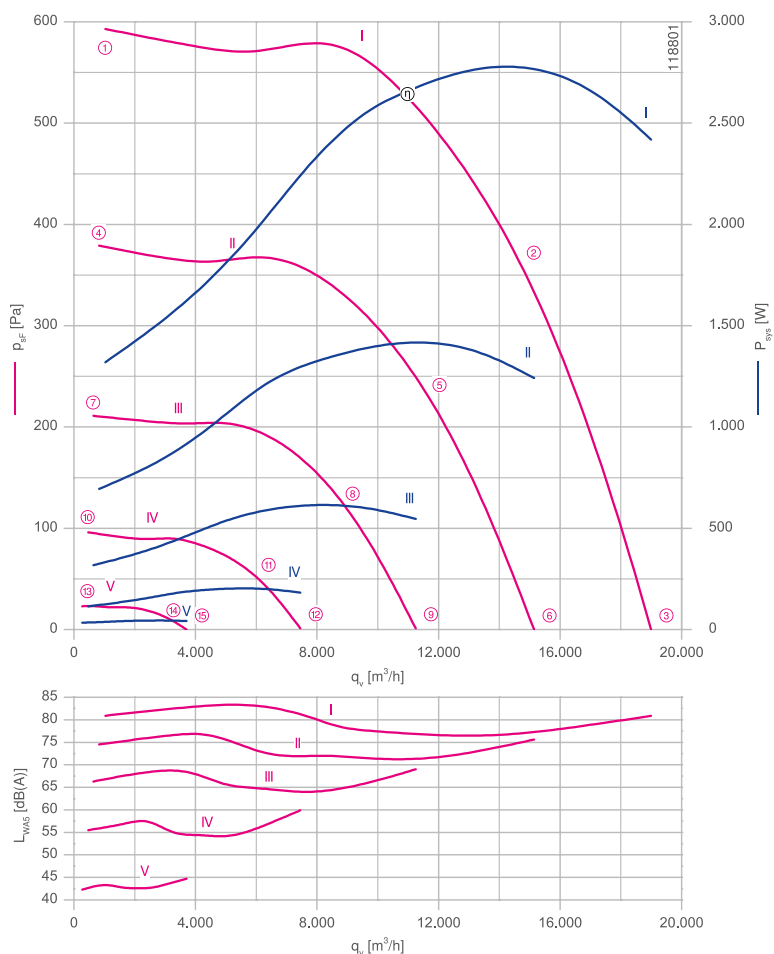
Conformity: ErP 2015, CE

ErP-data

Efficiency $\eta_{stat,A}$: 65.4 %
 Efficiency: $N_{actual} = 71.5 / N_{target} = 50^{**}$
 EC controller integrated

*Rated data
 **ErP 2015

Characteristic curve

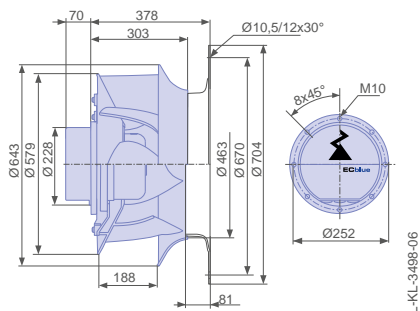


Measured with inlet nozzle, without guard grille according to ISO 5801

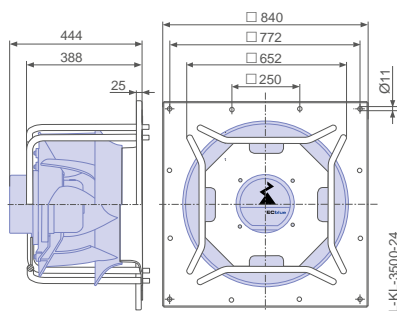
Inlet ring	00412371	Page 162
Connection diagram	1360-403	Page 166

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Ventilation unit GR in installation position
 H/Vu/Vo



Performance data

Type	Characteristic curve	Speed n min ⁻¹	Operating point	Current	Input power	Suction side sound power level
				I A	P _{sys} W	L _{WA5} dB(A)
_63V-ZIK.GL.VR	I	1200	①	2.10	1300	81
			②	4.20	2800	77
			③	3.70	2400	81
	II	960	④	1.20	700	75
			⑤	2.20	1400	71
			⑥	1.95	1250	76
	III	720	⑦	0.70	320	66
			⑧	1.10	620	65
			⑨	1.00	540	69
	IV	480	⑩	0.37	110	56
			⑪	0.52	200	55
			⑫	0.48	180	60
	V	240	⑬	0.21	34	42
			⑭	0.24	44	43
			⑮	0.23	42	45

Current values determined at 400V

Fan ordering information

Design	RH*	GR**
Installation position	H/Vu/Vo	H/Vu/Vo
		
Type	RH63V-ZIK.GL.VR	GR63V-ZIK.GL.VR
Article no.	115725	115765/A01
Weight kg	27.90	63.00
* Inlet nozzle not included in the scope of delivery		
** Inlet nozzle integrated		

Control technology



ZAvblue

for single phase alternating current, 4 pole

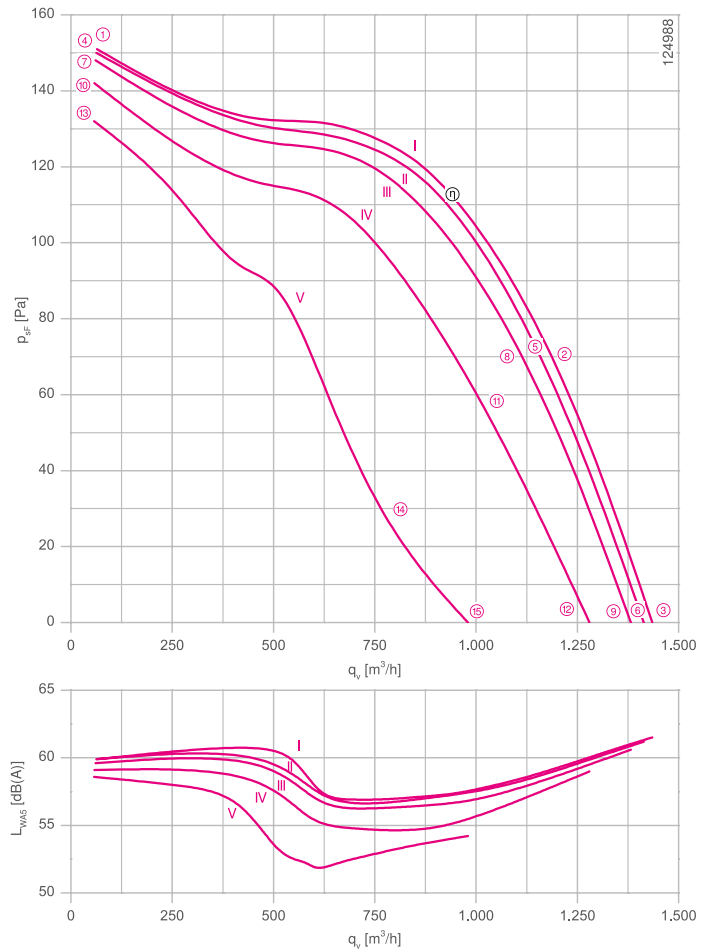
RH25V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 95 W
 Rated current I_N : 0.48 A*
 Rated speed n_N : 1440 min⁻¹*
 Current increase ΔI : 20 %
 Service capacitor C_{400V} : 2.5 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

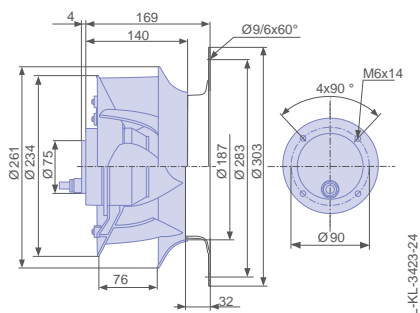
Characteristic curve



Inlet ring 00412364 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH25V-4EK.0C.VR	I	230	①	0.42	70	1470	60
		230*	②	0.48*	95*	1440*	59
		230	③	0.46	90	1440	62
	II	200	④	0.33	55	1470	60
		200	⑤	0.42	80	1420	59
		200	⑥	0.40	75	1430	61
	III	170	⑦	0.28	44	1450	60
		170	⑧	0.42	70	1380	58
		170	⑨	0.40	65	1390	61
	IV	135	⑩	0.27	36	1420	59
		135	⑪	0.50	65	1260	56
		135	⑫	0.46	60	1290	59
	V	110	⑬	0.29	32	1370	59
		110	⑭	0.58	60	920	53
		110	⑮	0.56	60	990	54

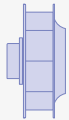
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH25V-4EK.0C.VR

Article no. 115769

Weight kg 3.40

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

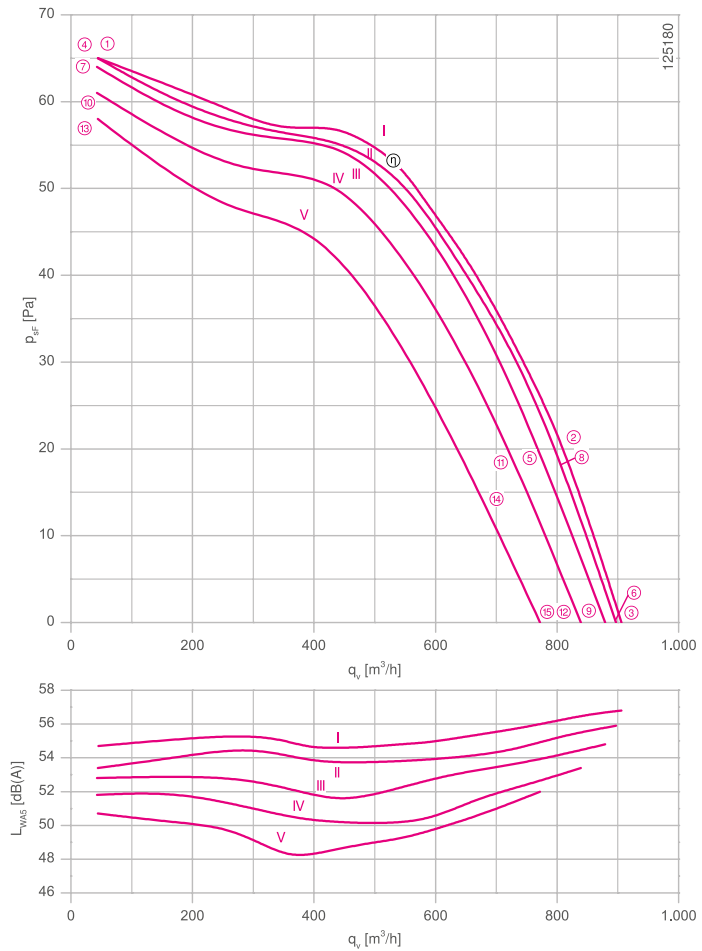
RH25V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 65 W
 Rated current I_N : 0.38 A*
 Rated speed n_N : 950 min⁻¹*
 Starting current I_s : 0,80 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 2.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

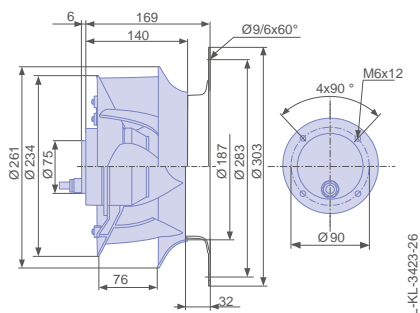


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412364 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH25V-6EK.2A.VR	I	230	①	0.37	60	970	55
		230*	②	0.38*	65*	950*	56
		230	③	0.38	65	960	57
	II	200	④	0.30	46	970	53
		200	⑤	0.31	50	950	55
		200	⑥	0.31	50	950	56
	III	170	⑦	0.25	32	960	53
		170	⑧	0.27	40	930	54
		170	⑨	0.27	38	930	55
	IV	135	⑩	0.20	22	940	52
		135	⑪	0.24	30	880	52
		135	⑫	0.24	28	890	53
	V	110	⑬	0.18	17	920	51
		110	⑭	0.24	24	800	51
		110	⑮	0.23	24	820	52

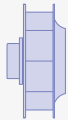
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH25V-6EK.2A.VR

Article no. 115773

Weight kg 3.10

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

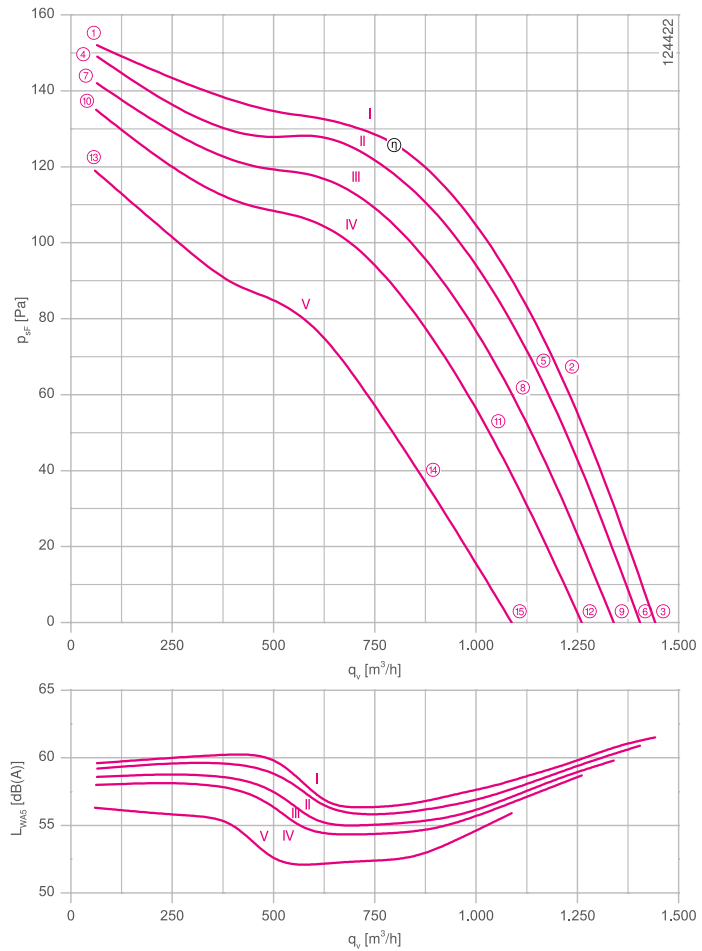
RH25V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 90 W
 Rated current I_N : 0.46/0.26 A*
 Rated speed n_N : 1440 min⁻¹*
 Starting current I_A : 1.70 / 1.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

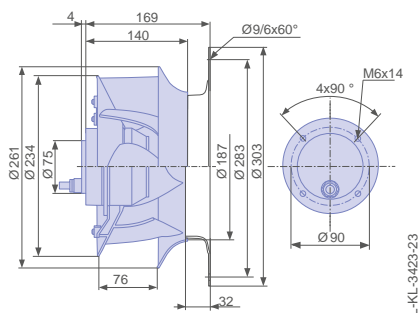


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412364 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH25V-4DK.0C.VR	I	400	①	0.26	60	1480	60
		400*	②	0.26*	90*	1440*	59
		400	③	0.26	85	1450	62
	II	300	④	0.17	40	1460	59
		300	⑤	0.19	70	1400	58
		300	⑥	0.19	65	1410	61
	III	230	⑦	0.13	34	1430	59
		230	⑧	0.18	60	1330	57
		230	⑨	0.18	60	1340	60
	IV	190	⑩	0.12	30	1390	58
		190	⑪	0.19	55	1250	56
		190	⑫	0.18	55	1270	59
	V	145	⑬	0.13	28	1300	56
		145	⑭	0.20	46	1070	53
		145	⑮	0.19	44	1100	56

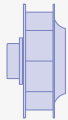
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH25V-4DK.0C.VR

Article no. 115768

Weight kg 3.40

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

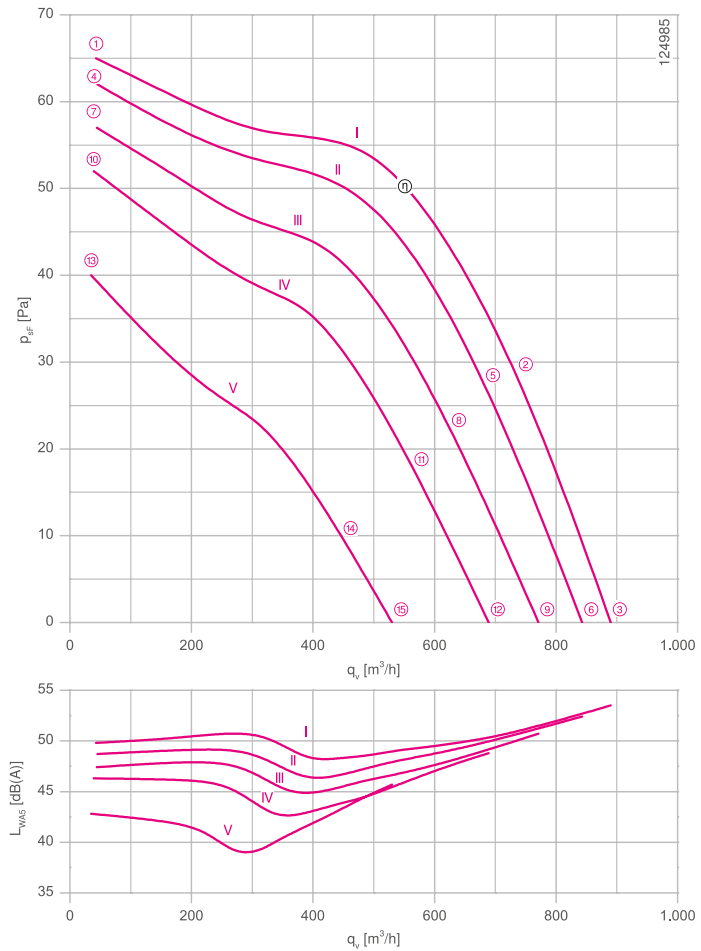
RH25V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 40 W
 Rated current I_N : 0.18/0.10 A*
 Rated speed n_N : 940 min⁻¹*
 Starting current I_A : 0,40 / 0,24 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

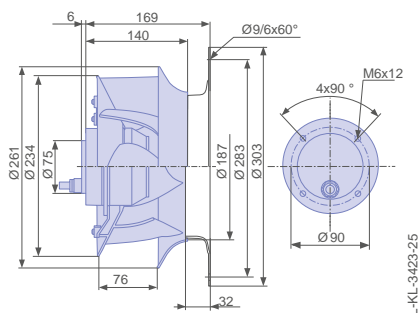
Characteristic curve



Inlet ring 00412364 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH25V-6DK.2A.VR	I	400	①	0.10	32	970	50
		400*	②	0.11*	40*	940*	51
		400	③	0.11	38	940	54
	II	300	④	0.08	20	950	49
		300	⑤	0.08	28	890	51
		300	⑥	0.08	28	890	52
	III	230	⑦	0.06	16	910	47
		230	⑧	0.07	22	810	48
		230	⑨	0.07	22	820	51
	IV	190	⑩	0.06	13	870	46
		190	⑪	0.07	19	730	46
		190	⑫	0.07	19	740	49
	V	145	⑬	0.05	10	760	43
		145	⑭	0.06	14	570	44
		145	⑮	0.06	14	580	46

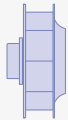
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH25V-6DK.2A.VR

Article no. 115772

Weight kg 3.10

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

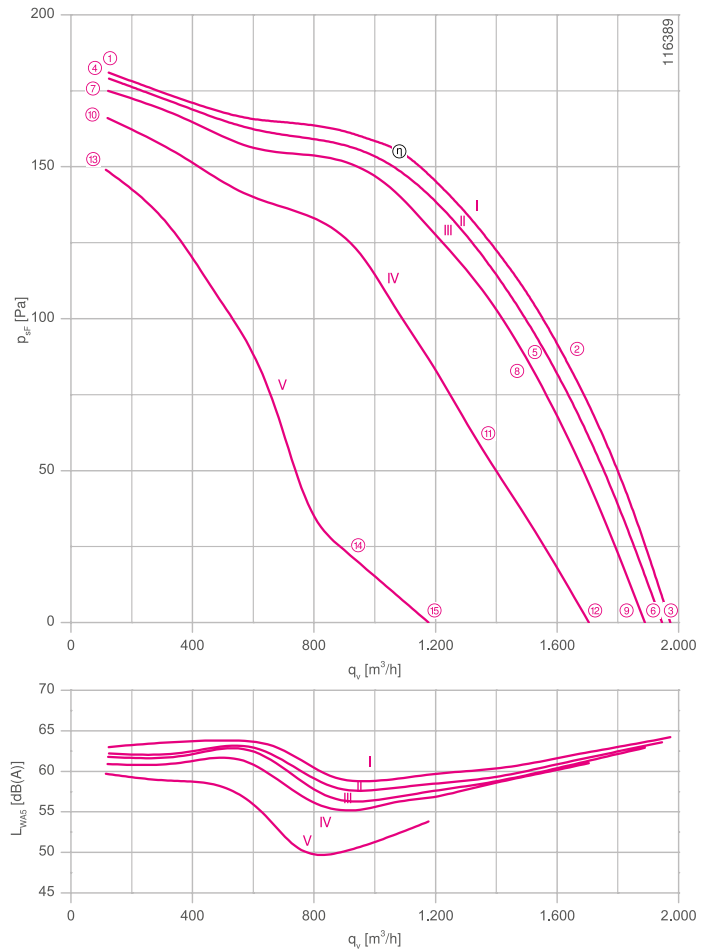
RH28V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.13 kW*
 Rated current I_N : 0.66 A*
 Rated speed n_N : 1430 min⁻¹*
 Starting current I_s : 2.40 A
 Current increase ΔI : 40 %
 Service capacitor C_{400V} : 3.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

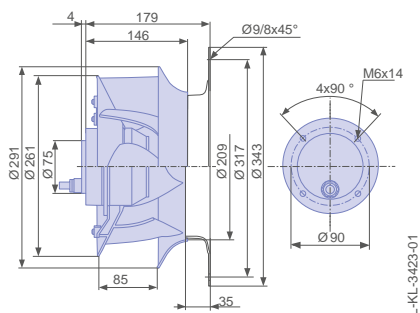


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412366 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH28V-4EK.0F.VR	I	230	①	0.56	90	1470	63
		230*	②	0.66*	130*	1430*	62
		230	③	0.64	130	1440	64
	II	200	④	0.44	75	1460	62
		200	⑤	0.64	120	1400	61
		200	⑥	0.60	110	1410	64
	III	170	⑦	0.40	65	1450	62
		170	⑧	0.68	110	1360	60
		170	⑨	0.64	100	1380	63
	IV	135	⑩	0.42	55	1410	61
		135	⑪	0.84	110	1190	58
		135	⑫	0.76	100	1240	61
	V	110	⑬	0.48	50	1330	60
		110	⑭	0.92	95	780	50
		110	⑮	0.90	90	860	54

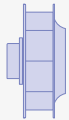
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH28V-4EK.0F.VR

Article no. 115578

Weight kg 4.30

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

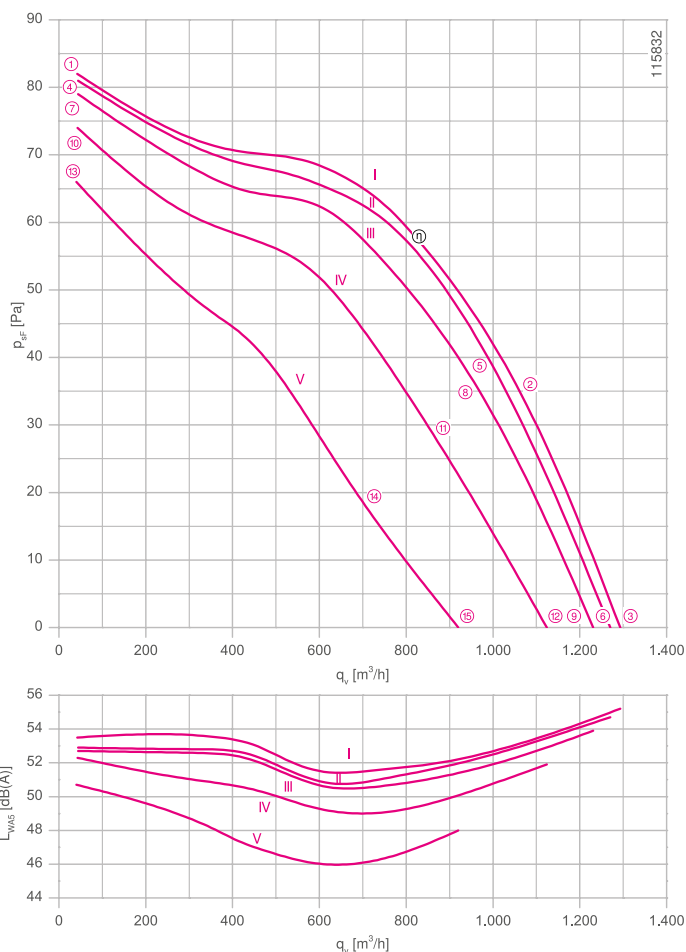
RH28V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.07 kW*
 Rated current I_N : 0.40 A*
 Rated speed n_N : 930 min⁻¹*
 Starting current I_A : 0.75 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 2.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

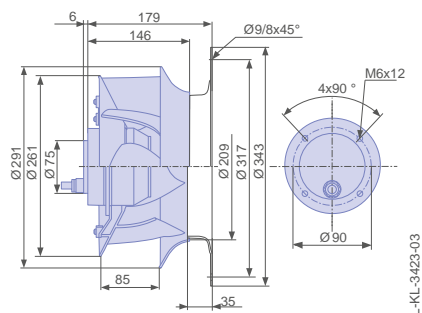


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412366 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH28V-6EK.2A.VR	I	230	①	0.38	65	960	54
		230*	②	0.40*	75*	930*	53
		230	③	0.39	75	940	55
	II	200	④	0.32	50	960	53
		200	⑤	0.34	60	910	53
		200	⑥	0.34	55	920	55
	III	170	⑦	0.27	38	940	53
		170	⑧	0.32	48	880	52
		170	⑨	0.31	46	890	54
	IV	135	⑩	0.23	26	910	52
		135	⑪	0.30	36	790	50
		135	⑫	0.29	36	810	52
	V	110	⑬	0.22	22	860	51
		110	⑭	0.30	28	640	46
		110	⑮	0.29	28	670	48

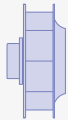
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH28V-6EK.2A.VR

Article no. 115580

Weight kg 3.30

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

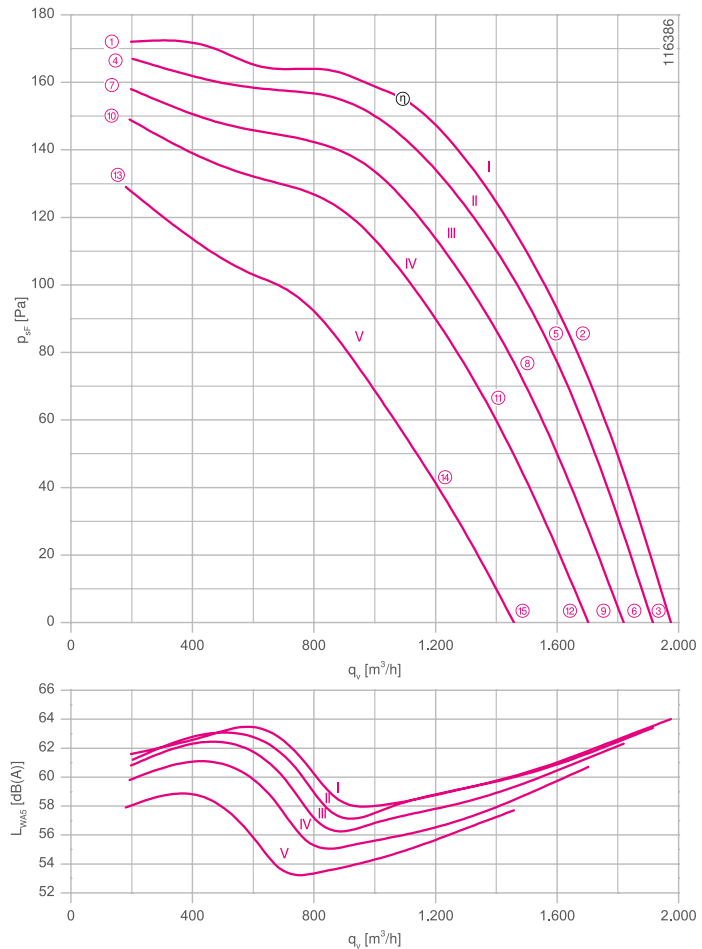
RH28V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.13 kW*
 Rated current I_N : 0.62/0.36 A*
 Rated speed n_N : 1440 min⁻¹*
 Starting current I_A : 2.80 / 1.70 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

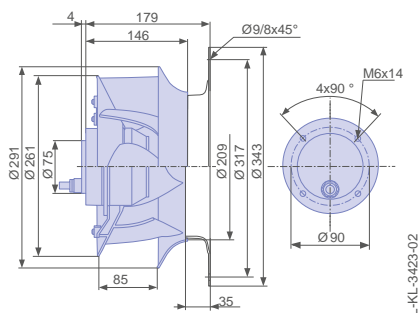
Characteristic curve



Inlet ring 00412366 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH28V-4DK.0F.VR	I	400	①	0.34	80	1470	62
		400*	②	0.36*	130*	1440*	61
		400	③	0.35	120	1440	64
	II	300	④	0.23	60	1450	61
		300	⑤	0.28	110	1390	61
		300	⑥	0.28	100	1400	63
	III	230	⑦	0.19	55	1410	61
		230	⑧	0.29	95	1310	59
		230	⑨	0.27	90	1330	62
	IV	190	⑩	0.19	50	1370	60
		190	⑪	0.30	90	1220	58
		190	⑫	0.29	85	1240	61
	V	145	⑬	0.20	44	1280	58
		145	⑭	0.32	70	1030	56
		145	⑮	0.31	70	1060	58

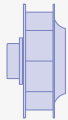
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH28V-4DK.0F.VR

Article no. 115579

Weight kg 4.30

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

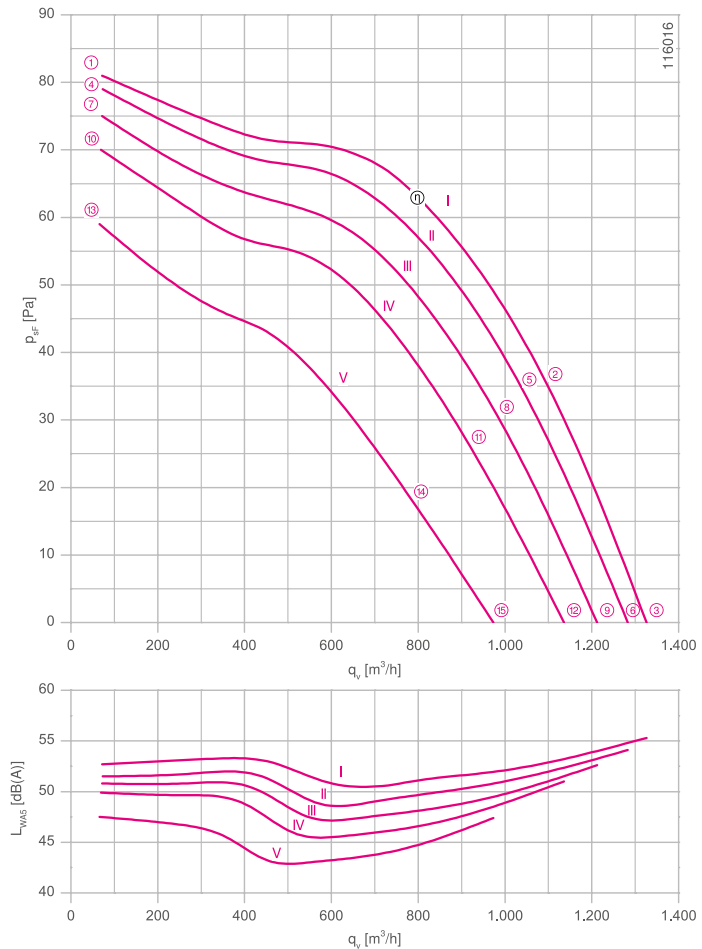
RH28V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.08 kW*
 Rated current I_N : 0.44/0.26 A*
 Rated speed n_N : 950 min⁻¹*
 Starting current I_A : 0.90 / 0.55 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

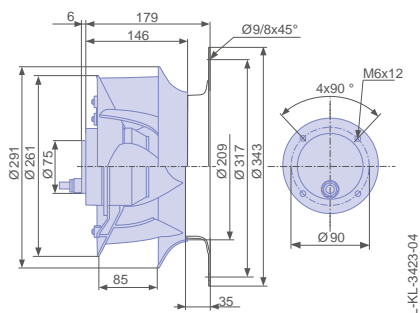


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412366 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH28V-6DK.2A.VR	I	400	①	0.25	65	970	53
		400*	②	0.25*	75*	950*	53
		400	③	0.25	75	950	55
	II	300	④	0.17	38	960	52
		300	⑤	0.18	50	910	51
		300	⑥	0.17	48	920	54
	III	230	⑦	0.13	26	930	51
		230	⑧	0.15	38	860	50
		230	⑨	0.14	38	870	53
	IV	190	⑩	0.12	22	900	50
		190	⑪	0.14	32	800	48
		190	⑫	0.13	32	820	51
	V	145	⑬	0.10	18	830	48
		145	⑭	0.13	26	680	44
		145	⑮	0.12	24	710	47

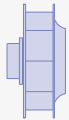
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH28V-6DK.2A.VR

Article no. 115581

Weight kg 3.30

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

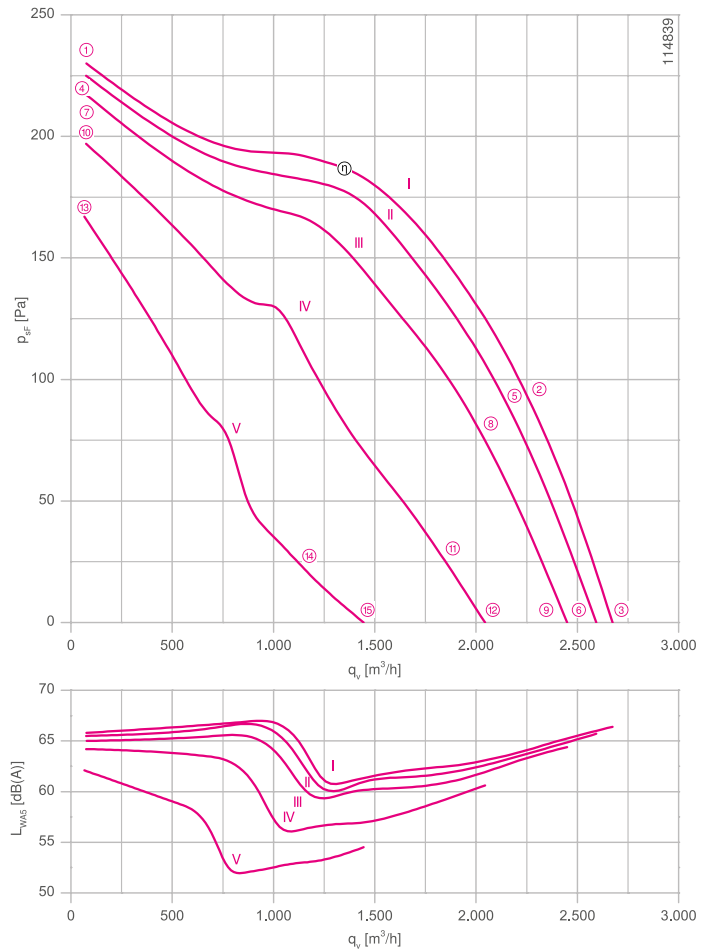
RH31V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.22 kW*
 Rated current I_N : 1.10 A*
 Rated speed n_N : 1370 min⁻¹*
 Starting current I_A : 3.00 A
 Current increase ΔI : 15 %
 Service capacitor C_{400V} : 3.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 38.5 %
 Efficiency: $N_{actual} = 56.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

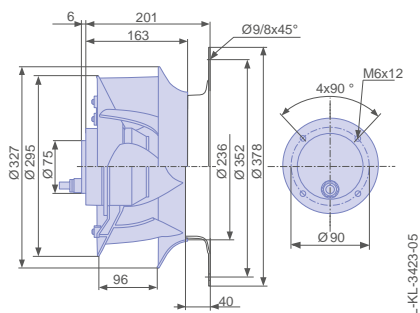


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412368 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH31V-4EK.2F.VR	I	230	①	0.84	140	1440	66
		230*	②	1.10*	220*	1370*	64
		230	③	1.05	210	1380	66
	II	200	④	0.72	110	1430	66
		200	⑤	1.05	200	1320	63
		200	⑥	1.00	180	1340	66
	III	170	⑦	0.66	100	1400	65
		170	⑧	1.15	180	1230	62
		170	⑨	1.05	170	1260	64
	IV	135	⑩	0.68	85	1340	64
		135	⑪	1.25	160	1010	59
		135	⑫	1.20	150	1050	61
	V	110	⑬	0.74	75	1230	62
		110	⑭	1.20	130	700	53
		110	⑮	1.20	120	750	55

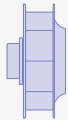
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH31V-4EK.2F.VR

Article no. 115582

Weight kg 5.10

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

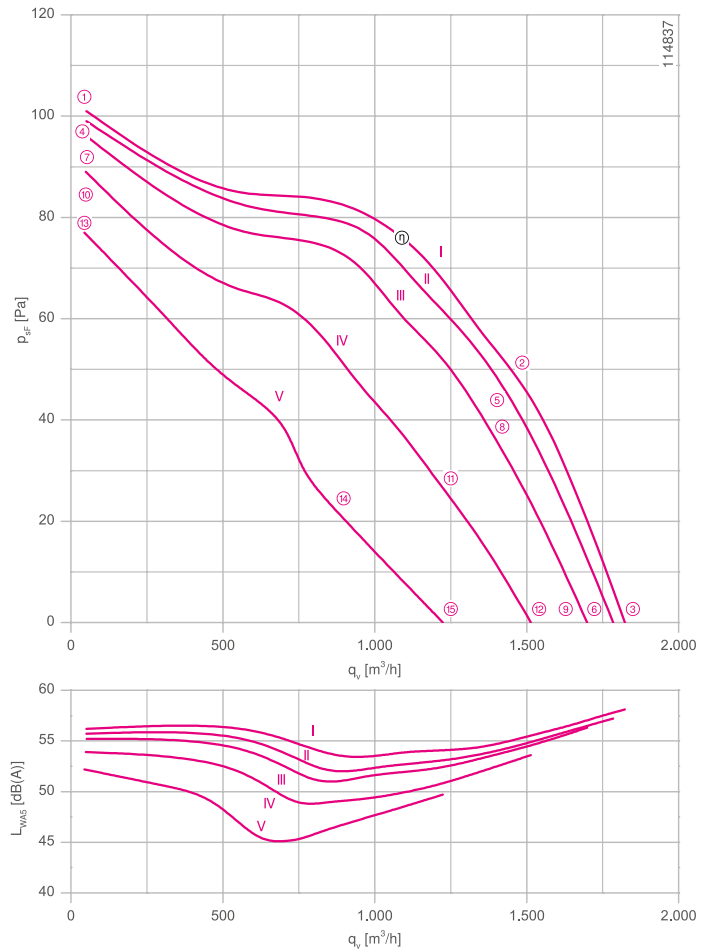
RH31V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.10 kW*
 Rated current I_N : 0.48 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_A : 1.00 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 3.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

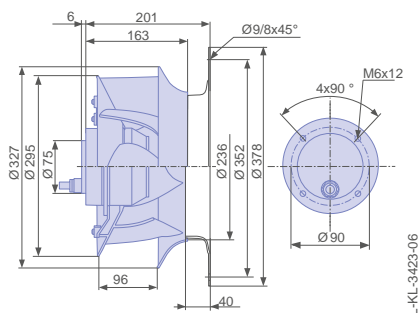
Characteristic curve



Inlet ring 00412368 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH31V-6EK.2C.VR	I	230	①	0.44	80	950	56
		230*	②	0.48*	95*	910*	55
		230	③	0.46	95	920	58
	II	200	④	0.36	60	950	56
		200	⑤	0.42	80	890	54
		200	⑥	0.42	75	900	57
	III	170	⑦	0.32	48	930	55
		170	⑧	0.40	65	840	54
		170	⑨	0.39	65	860	56
	IV	135	⑩	0.28	36	900	54
		135	⑪	0.40	55	740	51
		135	⑫	0.38	50	770	54
	V	110	⑬	0.27	28	840	52
		110	⑭	0.39	42	580	46
		110	⑮	0.38	40	620	50

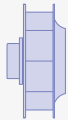
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH31V-6EK.2C.VR

Article no. 115583

Weight kg 4.30

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

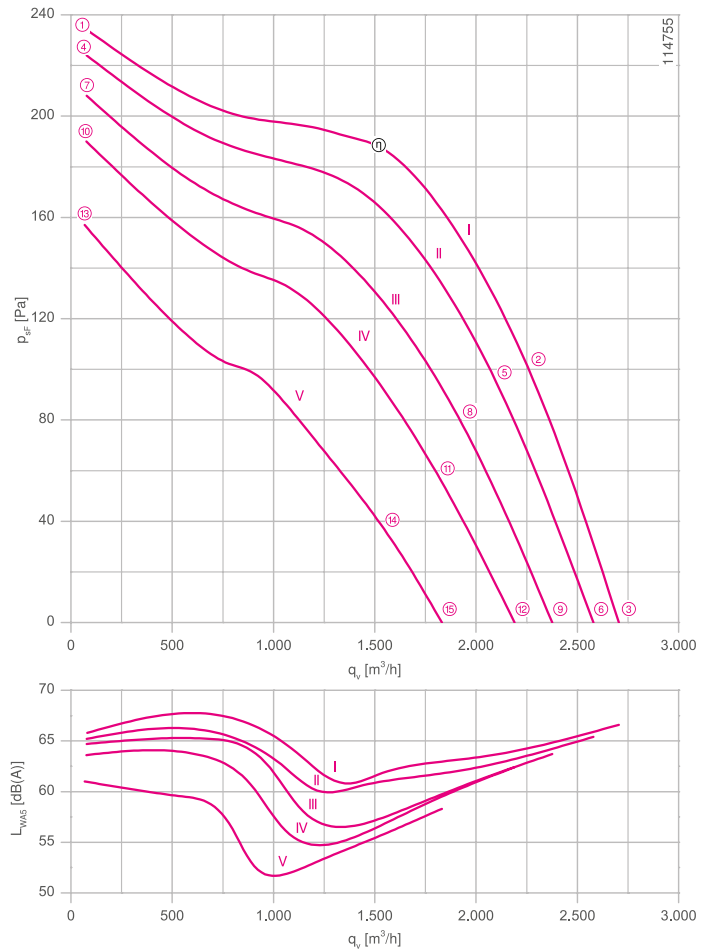
RH315V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.21 kW*
 Rated current I_N : 0.88/0.50 A*
 Rated speed n_N : 1390 min⁻¹*
 Starting current I_A : 3.40 / 2.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 42.9 %
 Efficiency: $N_{actual} = 61.0 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

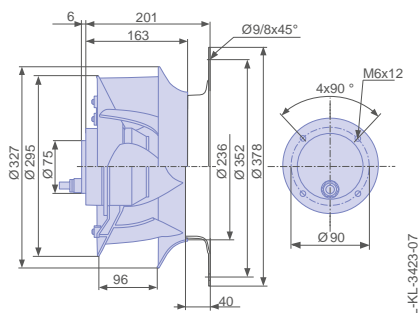


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412368 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



L-KL-3423-07



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH31V-4DK.2F.VR	I	400	①	0.46	120	1450	66
		400*	②	0.50*	210*	1390*	64
		400	③	0.50	190	1400	67
	II	300	④	0.33	90	1420	65
		300	⑤	0.42	170	1310	63
		300	⑥	0.42	160	1330	65
	III	230	⑦	0.28	80	1360	65
		230	⑧	0.42	150	1200	61
		230	⑨	0.40	140	1220	64
	IV	190	⑩	0.27	70	1310	64
		190	⑪	0.44	130	1090	60
		190	⑫	0.42	120	1120	62
	V	145	⑬	0.28	60	1190	61
		145	⑭	0.42	100	910	56
		145	⑮	0.40	95	940	58

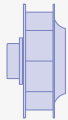
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH31V-4DK.2F.VR

Article no. 115584

Weight kg 5.10

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

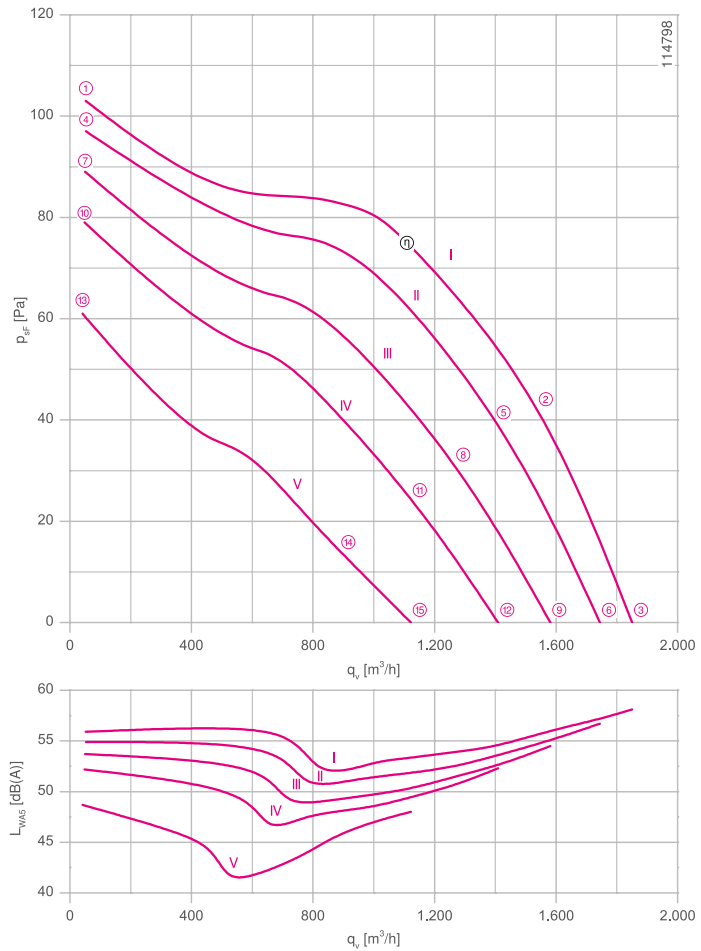
RH31V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.09 kW*
 Rated current I_N : 0.44/0.26 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_A : 0.90 / 0.55 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

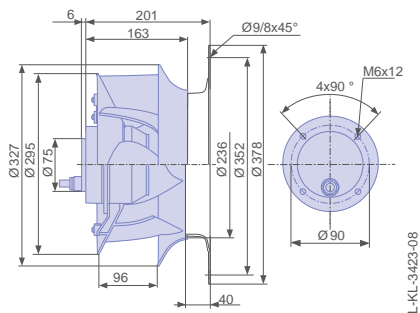


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring	00412368	Page 162
Connection diagram	1360-106XA	Page 168

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH31V-6DK.2A.VR	I	400	①	0.25	70	960	56
		400*	②	0.25*	95*	910*	56
		400	③	0.25	90	920	58
	II	300	④	0.17	44	930	55
		300	⑤	0.19	65	850	54
		300	⑥	0.19	65	870	57
	III	230	⑦	0.14	34	890	54
		230	⑧	0.17	50	770	51
		230	⑨	0.17	48	790	55
	IV	190	⑩	0.13	28	840	52
		190	⑪	0.16	42	680	49
		190	⑫	0.16	40	710	52
	V	145	⑬	0.12	22	740	49
		145	⑭	0.15	30	540	46
		145	⑮	0.14	30	560	48

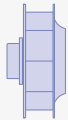
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH31V-6DK.2A.VR

Article no. 115585

Weight kg 3.70

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

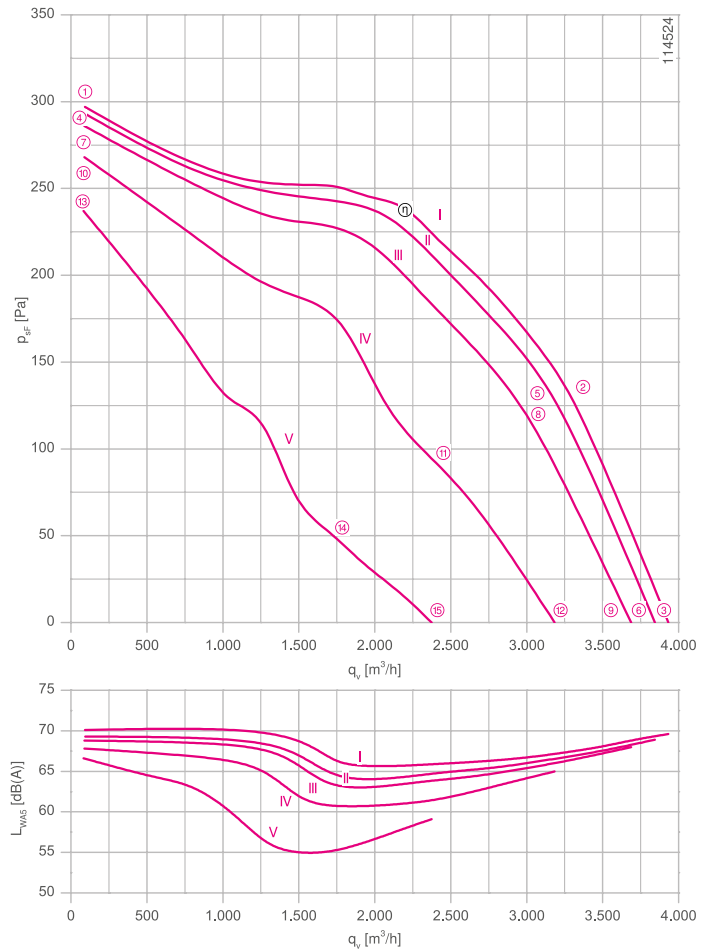
RH35V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.37 kW*
 Rated current I_N : Jan-85 A*
 Rated speed n_N : 1390 min⁻¹*
 Starting current I_A : 5.50 A
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 10.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 43.9 %
 Efficiency: $N_{actual} = 59.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

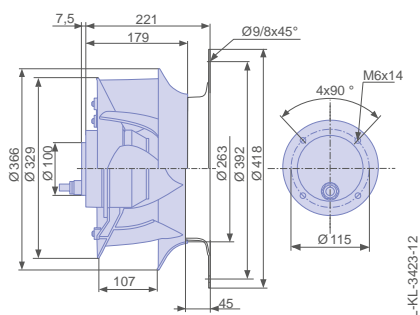


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-4EK.4F.VR	I	230	①	1.40	240	1450	70
		230*	②	1.85*	370*	1390*	67
		230	③	1.75	350	1400	70
	II	200	④	1.15	200	1440	69
		200	⑤	1.75	330	1360	67
		200	⑥	1.65	310	1370	69
	III	170	⑦	1.05	170	1420	69
		170	⑧	1.85	300	1290	65
		170	⑨	1.70	280	1320	68
	IV	135	⑩	1.10	140	1380	68
		135	⑪	2.10	250	1080	61
		135	⑫	1.95	240	1140	65
	V	110	⑬	1.20	130	1290	67
		110	⑭	2.00	190	790	55
		110	⑮	1.95	180	850	59

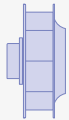
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-4EK.4F.VR

Article no. 115589

Weight kg 7.90

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

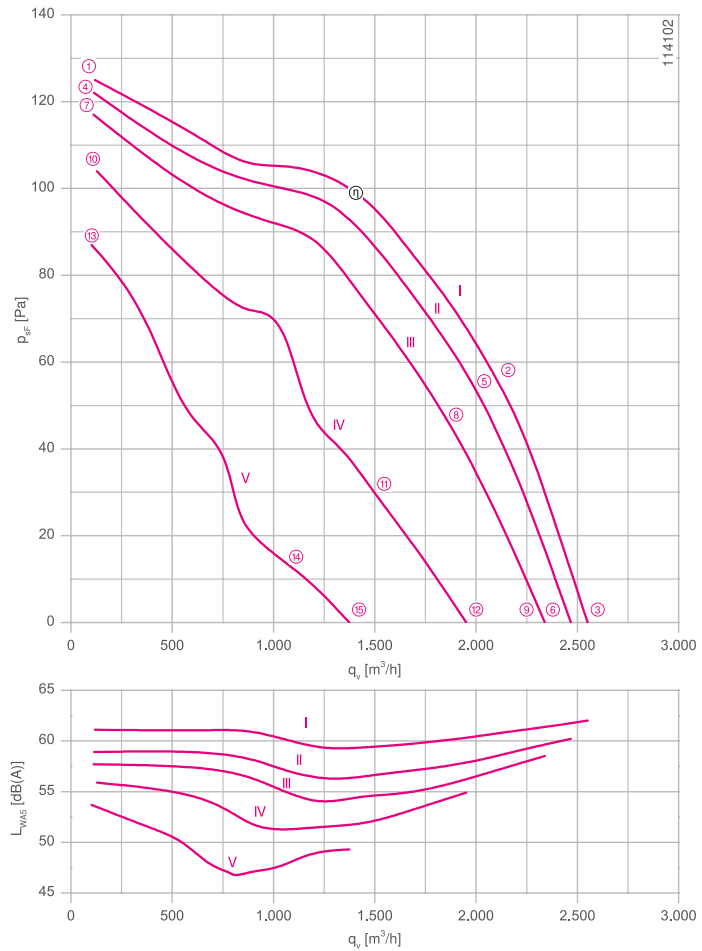
RH35V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_1 : 0.13 kW*
 Rated current I_N : 0.64 A*
 Rated speed n_N : 900 min⁻¹*
 Starting current I_A : 1.50 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_1 < 125$ W)
 * Rated data

Characteristic curve

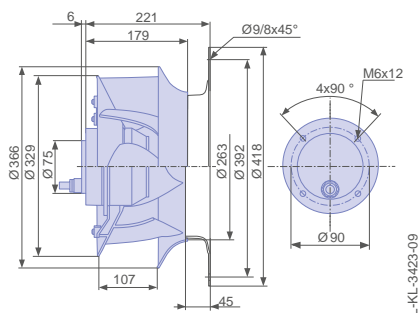


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-6EK.2F.VR	I	230	①	0.54	100	950	61
		230*	②	0.64*	130*	900*	61
		230	③	0.62	130	910	62
	II	200	④	0.46	80	940	59
		200	⑤	0.62	120	870	58
		200	⑥	0.58	110	880	60
	III	170	⑦	0.42	65	920	58
		170	⑧	0.62	100	810	56
		170	⑨	0.58	95	830	59
	IV	135	⑩	0.42	55	870	56
		135	⑪	0.66	85	650	52
		135	⑫	0.62	80	700	55
	V	110	⑬	0.42	46	790	54
		110	⑭	0.62	65	450	47
		110	⑮	0.60	60	500	49

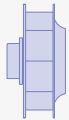
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-6EK.2F.VR

Article no. 115586

Weight kg 5.50

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

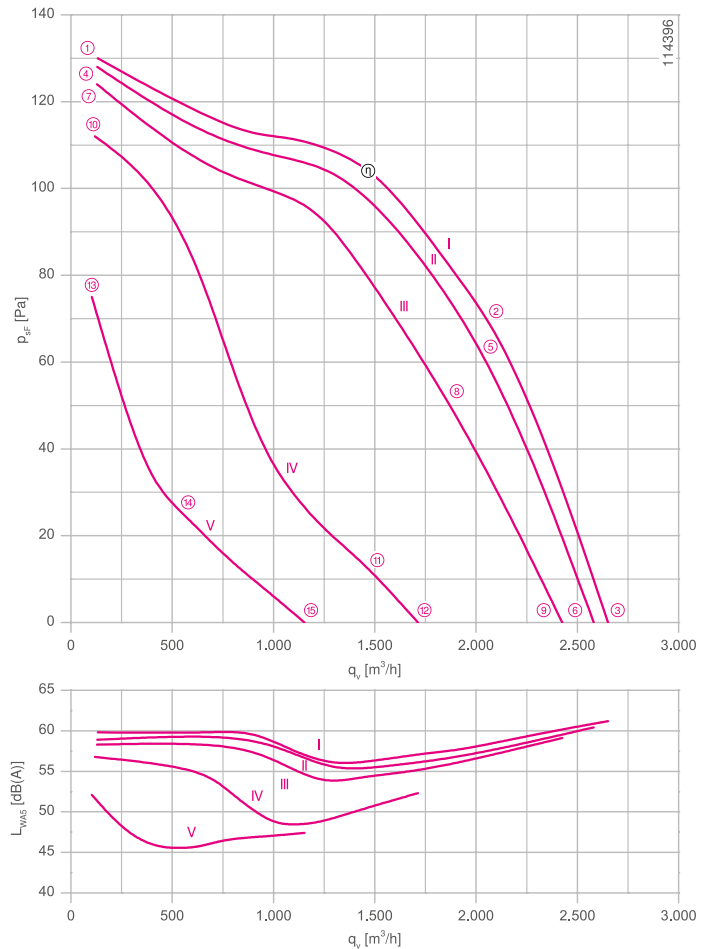
RH35V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 120 W
 Rated current I_N : 0.56 A*
 Rated speed n_N : 920 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 5.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

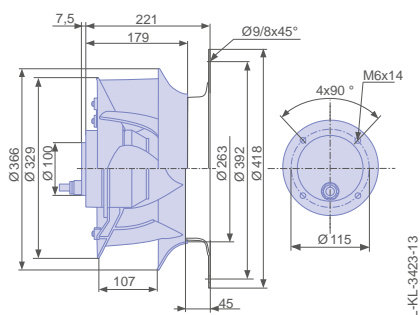
Characteristic curve



Inlet ring 00412370 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-6EK.4C.VR	I	230	①	0.42	90	960	60
		230*	②	0.56*	120*	920*	58
		230	③	0.52	120	930	61
	II	200	④	0.38	75	960	59
		200	⑤	0.54	110	890	57
		200	⑥	0.50	100	910	60
	III	170	⑦	0.37	60	940	58
		170	⑧	0.56	90	820	56
		170	⑨	0.52	85	850	59
	IV	135	⑩	0.37	50	900	57
		135	⑪	0.54	65	560	50
		135	⑫	0.52	65	610	52
	V	110	⑬	0.39	40	740	52
		110	⑭	0.44	42	470	46
		110	⑮	0.44	42	420	47

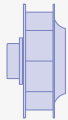
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-6EK.4C.VR

Article no. 115590

Weight kg 6.50

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

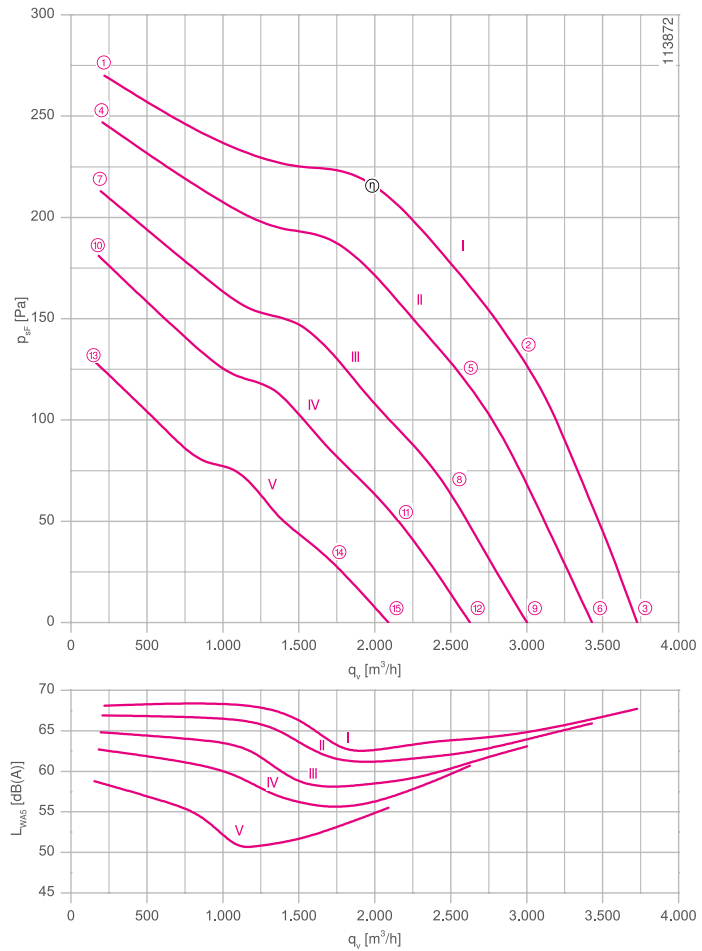
RH35V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.30 kW*
 Rated current I_N : 1.05/0.60 A*
 Rated speed n_N : 1310 min⁻¹*
 Starting current I_A : 3.40 / 2.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 46.1 %
 Efficiency: $N_{actual} = 62.7 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

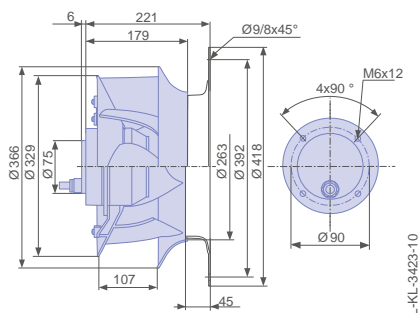


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-4DK.2F.VR	I	400	①	0.48	180	1410	68
		400*	②	0.60*	300*	1310*	65
		400	③	0.56	280	1330	68
	II	300	④	0.39	150	1340	67
		300	⑤	0.56	250	1190	62
		300	⑥	0.54	240	1220	66
	III	230	⑦	0.38	130	1250	65
		230	⑧	0.56	200	1030	60
		230	⑨	0.54	190	1070	63
	IV	190	⑩	0.38	110	1150	63
		190	⑪	0.54	160	900	57
		190	⑫	0.52	160	940	61
	V	145	⑬	0.38	85	980	59
		145	⑭	0.48	110	710	53
		145	⑮	0.48	110	740	56

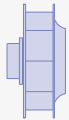
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-4DK.2F.VR

Article no. 115587

Weight kg 5.50

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 4 pole

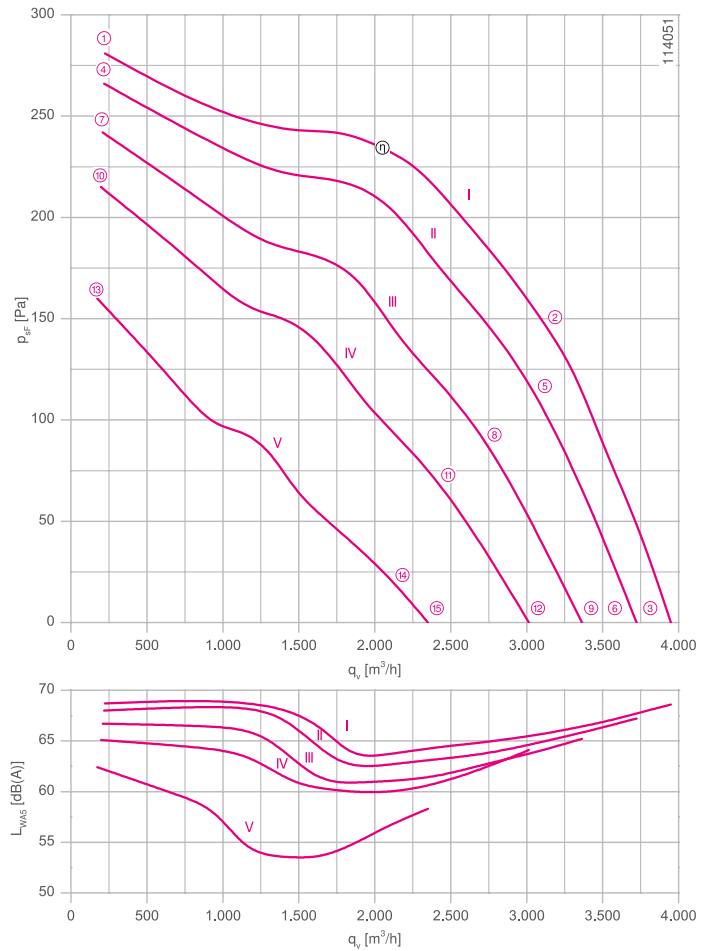
RH35V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.33 kW*
 Rated current I_N : 1.15/0.68 A*
 Rated speed n_N : 1380 min⁻¹*
 Starting current I_A : 4.0 / 2.80 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 48.5 %
 Efficiency: $N_{actual} = 64.7 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

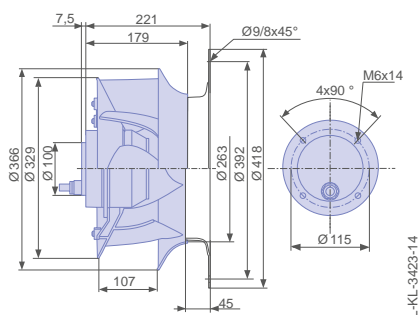


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-4DK.4C.VR	I	400	①	0.56	190	1440	69
		400*	②	0.68*	330*	1380*	66
		400	③	0.64	300	1390	69
	II	300	④	0.42	150	1400	68
		300	⑤	0.64	290	1290	65
		300	⑥	0.60	260	1310	67
	III	230	⑦	0.42	140	1340	67
		230	⑧	0.70	250	1150	63
		230	⑨	0.64	230	1180	65
	IV	190	⑩	0.44	130	1260	65
		190	⑪	0.72	210	1010	61
		190	⑫	0.68	200	1060	64
	V	145	⑬	0.48	110	1090	62
		145	⑭	0.66	140	800	57
		145	⑮	0.64	140	830	58

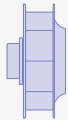
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-4DK.4C.VR

Article no. 115591

Weight kg 6.50

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

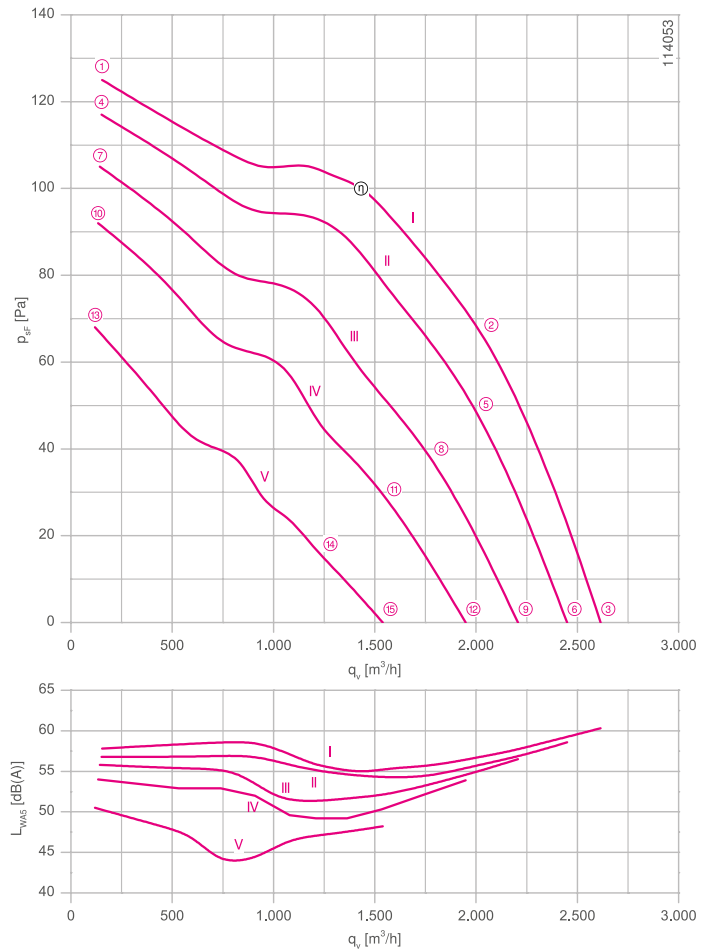
RH35V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.13 kW*
 Rated current I_N : 0.62/0.36 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_A : 1.50 / 0.85 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

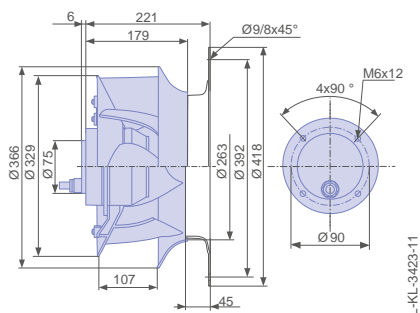


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-6DK.2C.VR	I	400	①	0.35	95	950	58
		400*	②	0.36*	130*	910*	57
		400	③	0.36	120	920	60
	II	300	④	0.24	65	920	57
		300	⑤	0.29	100	840	56
		300	⑥	0.27	95	860	59
	III	230	⑦	0.20	50	870	56
		230	⑧	0.27	80	750	53
		230	⑨	0.25	75	770	57
	IV	190	⑩	0.19	46	820	54
		190	⑪	0.26	65	650	50
		190	⑫	0.24	65	680	54
	V	145	⑬	0.18	36	700	51
		145	⑭	0.23	46	510	47
		145	⑮	0.22	44	540	48

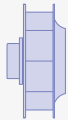
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-6DK.2C.VR

Article no. 115588

Weight kg 4.70

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

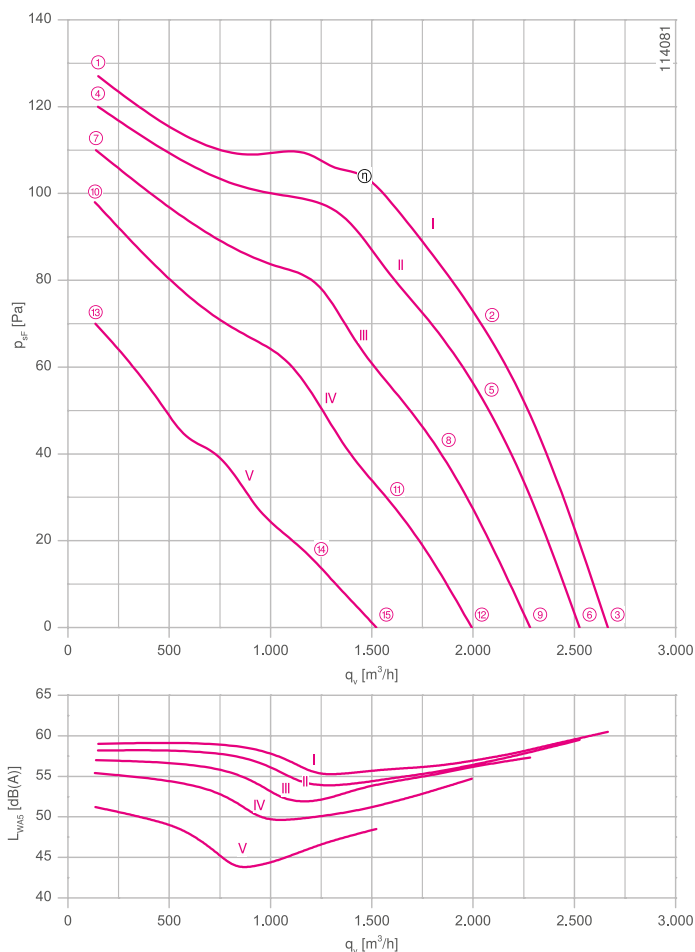
RH35V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.12 kW*
 Rated current I_N : 0.60/0.34 A*
 Rated speed n_N : 930 min⁻¹*
 Starting current I_A : 1.70 / 1.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to the regulations of ErP directive ($P_i < 125$ W)
 * Rated data

Characteristic curve

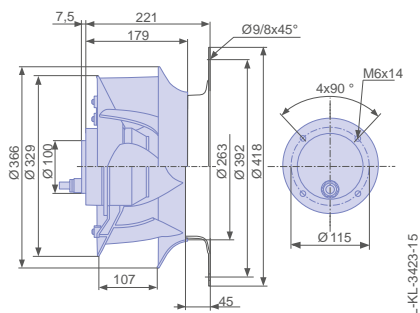


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412370 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH35V-6DK.4A.VR	I	400	①	0.32	80	960	59
		400*	②	0.34*	120*	930*	57
		400	③	0.34	120	930	61
	II	300	④	0.24	60	940	58
		300	⑤	0.29	100	870	57
		300	⑥	0.28	95	880	60
	III	230	⑦	0.20	50	900	57
		230	⑧	0.28	85	780	55
		230	⑨	0.27	80	800	57
	IV	190	⑩	0.19	44	850	55
		190	⑪	0.28	70	670	52
		190	⑫	0.27	65	700	55
	V	145	⑬	0.20	36	730	51
		145	⑭	0.25	44	500	46
		145	⑮	0.25	44	540	49

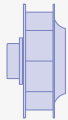
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH35V-6DK.4A.VR

Article no. 115592

Weight kg 5.50

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

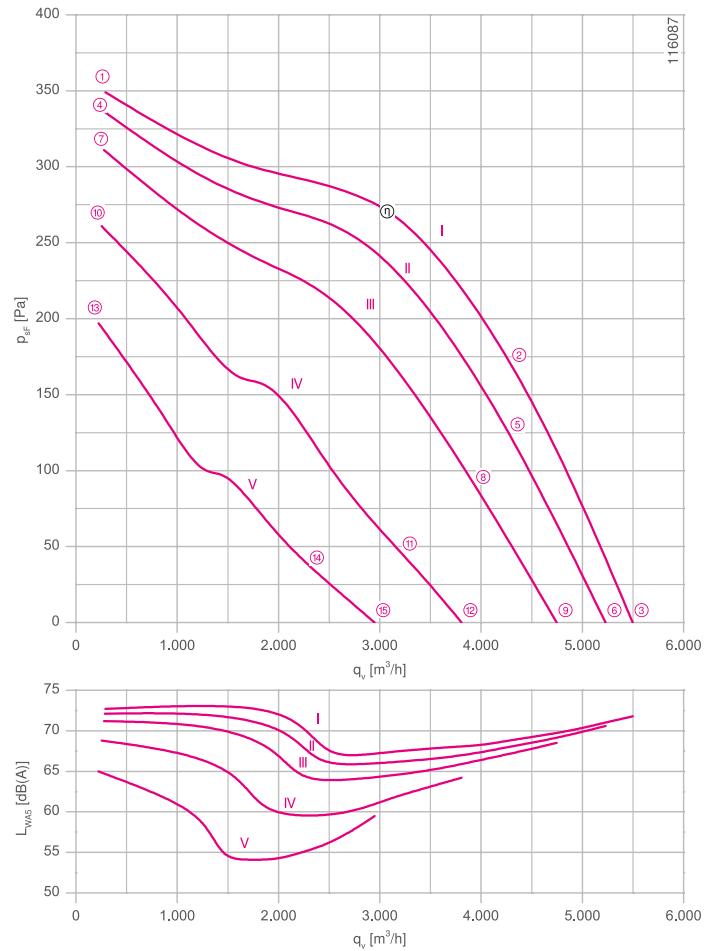
RH40V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.58 kW*
 Rated current I_N : 2.60 A*
 Rated speed n_N : 1270 min⁻¹*
 Starting current I_A : 6.00 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 12.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 45.7 %
 Efficiency: $N_{actual} = 59.2 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

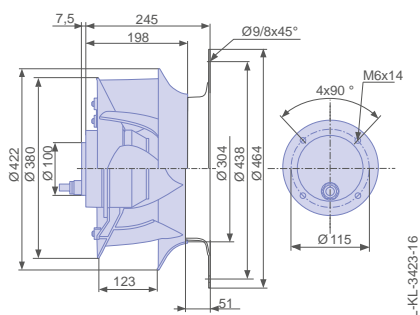


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411684 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH40V-4EK.4I.VR	I	230	①	1.65	350	1390	73
		230*	②	2.60*	580*	1270*	69
		230	③	2.40	540	1300	72
	II	200	④	1.60	310	1370	72
		200	⑤	2.60	520	1200	68
		200	⑥	2.50	480	1230	71
	III	170	⑦	1.65	270	1320	71
		170	⑧	2.70	440	1070	66
		170	⑨	2.60	420	1120	69
	IV	135	⑩	1.75	230	1210	69
		135	⑪	2.60	330	850	62
		135	⑫	2.50	320	890	64
	V	110	⑬	1.80	190	1050	65
		110	⑭	2.30	240	650	55
		110	⑮	2.30	230	700	60

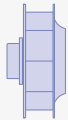
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type **RH40V-4EK.4I.VR**

Article no. **115593**

Weight kg 10.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

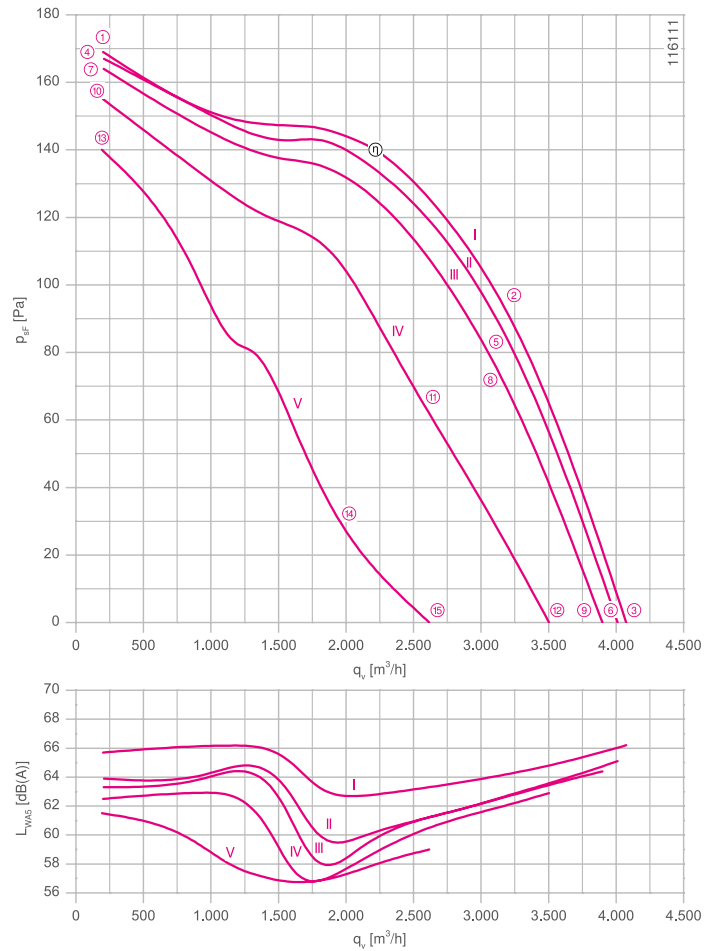
RH40V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.28 kW*
 Rated current I_N : 1.35 A*
 Rated speed n_N : 940 min⁻¹*
 Starting current I_A : 3.20 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 12.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 33.5 %
 Efficiency: $N_{actual} = 50.0 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

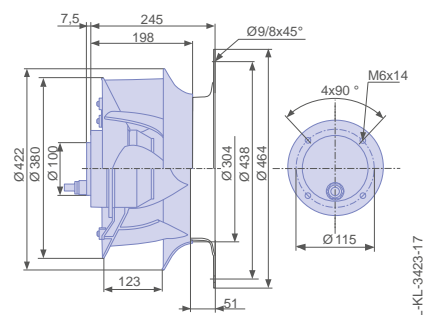


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring	00411684	Page 162
Connection diagram	1360-104XA	Page 168

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH40V-6EK.4F.VR	I	230	①	1.20	220	970	66
		230*	②	1.35*	280*	940*	64
		230	③	1.30	270	940	66
	II	200	④	0.92	170	960	64
		200	⑤	1.20	230	920	63
		200	⑥	1.15	220	930	65
	III	170	⑦	0.80	140	950	63
		170	⑧	1.20	200	890	63
		170	⑨	1.10	190	900	64
	IV	135	⑩	0.78	110	920	63
		135	⑪	1.25	160	770	60
		135	⑫	1.15	150	810	63
	V	110	⑬	0.80	90	880	62
		110	⑭	1.25	120	550	57
		110	⑮	1.20	120	610	59

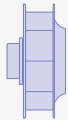
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH40V-6EK.4F.VR

Article no. 115594

Weight kg 8.60

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

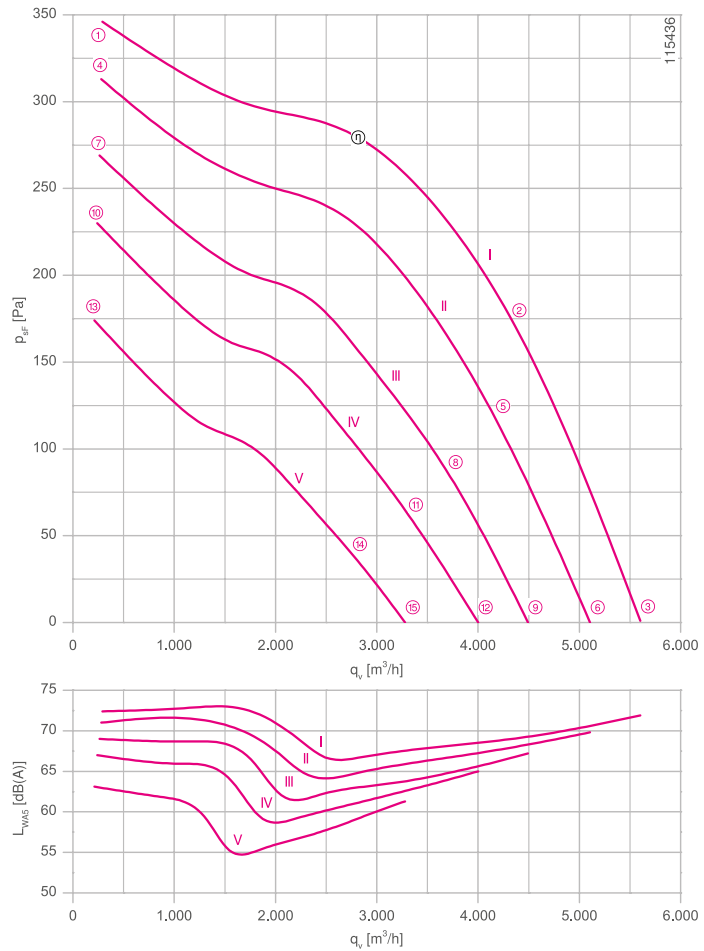
RH40V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.54 kW*
 Rated current I_N : 2.00/1.20 A*
 Rated speed n_N : 1290 min⁻¹*
 Starting current I_A : 7.50 / 4.20 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 48.3 %
 Efficiency: $N_{actual} = 62.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

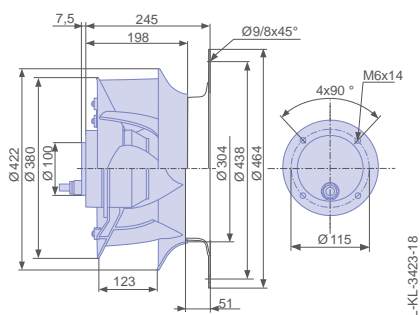


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411684 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH40V-4DK.4I.VR	I	400	①	0.92	300	1390	72
		400*	②	1.15*	540*	1290*	69
		400	③	1.10	500	1310	72
	II	300	④	0.74	250	1330	71
		300	⑤	1.05	440	1160	68
		300	⑥	1.00	420	1190	70
	III	230	⑦	0.70	220	1230	69
		230	⑧	1.00	340	1020	65
		230	⑨	0.98	330	1050	67
	IV	190	⑩	0.70	190	1140	67
		190	⑪	0.98	270	900	63
		190	⑫	0.94	260	930	65
	V	145	⑬	0.68	140	990	63
		145	⑭	0.88	190	740	59
		145	⑮	0.86	180	770	61

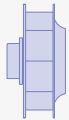
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH40V-4DK.4I.VR

Article no. 115595

Weight kg 10.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

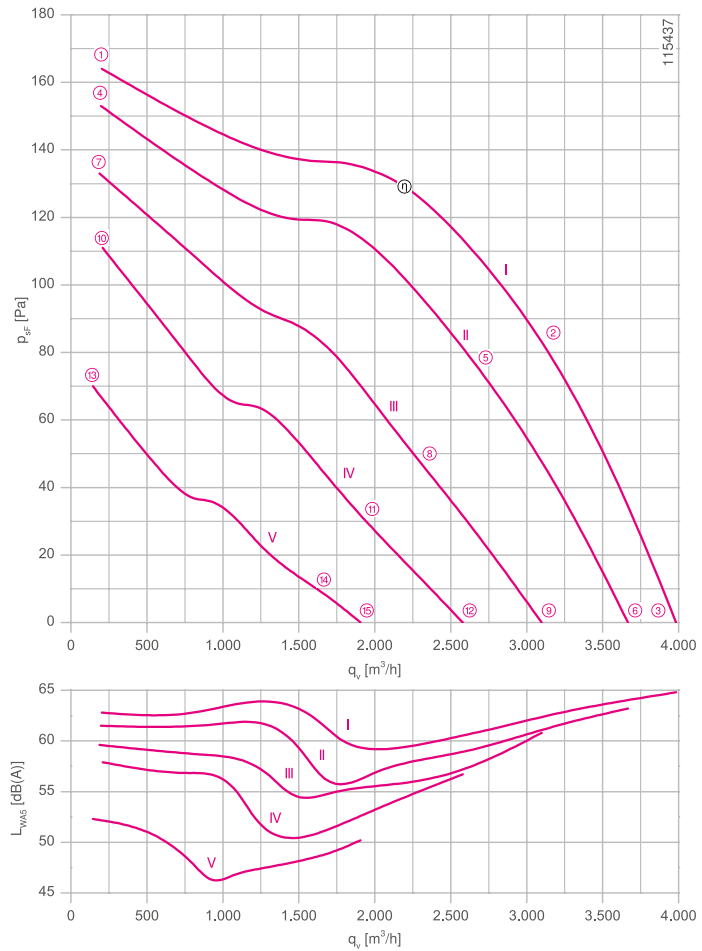
RH40V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.22 kW*
 Rated current I_N : 0.98/0.56 A*
 Rated speed n_N : 900 min⁻¹*
 Starting current I_A : 2.40 / 1.40 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 40.5 %
 Efficiency: $N_{actual} = 58.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

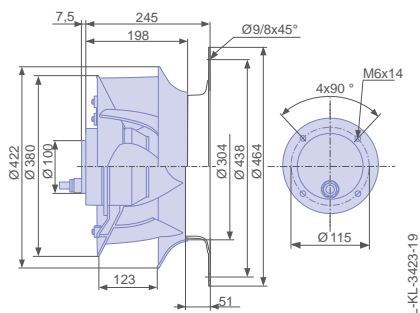


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411684 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH40V-6DK.4C.VR	I	400	①	0.48	140	950	63
		400*	②	0.56*	220*	900*	63
		400	③	0.54	200	910	65
	II	300	④	0.37	100	920	62
		300	⑤	0.50	180	820	59
		300	⑥	0.48	160	840	63
	III	230	⑦	0.34	90	860	60
		230	⑧	0.50	130	670	56
		230	⑨	0.46	130	710	61
	IV	190	⑩	0.34	75	780	58
		190	⑪	0.46	100	560	53
		190	⑫	0.44	100	590	57
	V	145	⑬	0.33	55	620	52
		145	⑭	0.38	60	420	48
		145	⑮	0.37	60	440	50

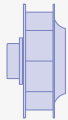
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH40V-6DK.4C.VR

Article no. 115596

Weight kg 7.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

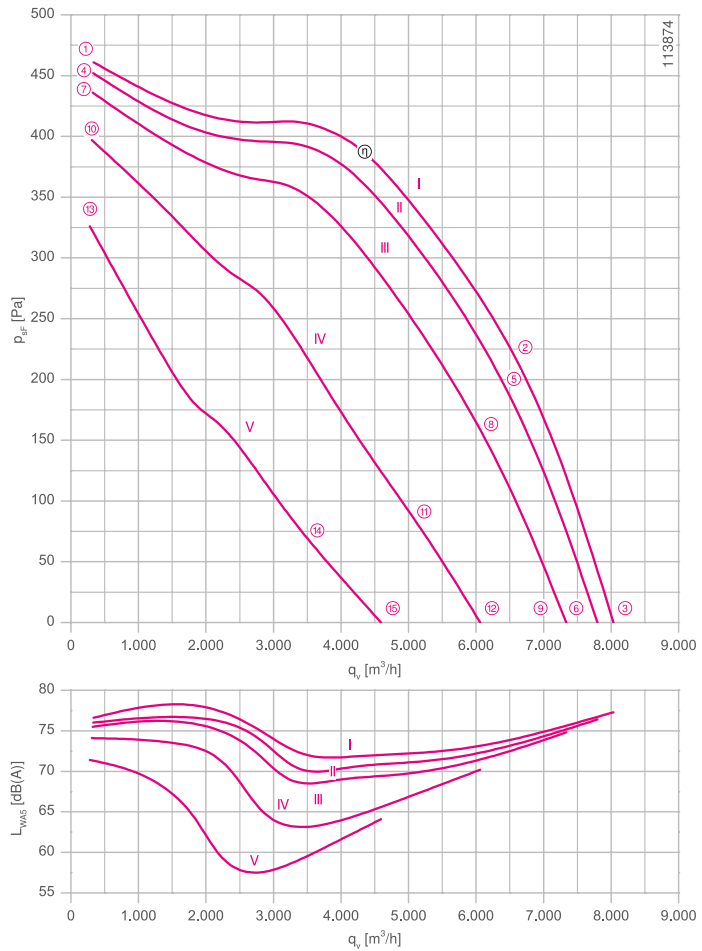
RH45V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 1.10 kW*
 Rated current I_N : 5.20 A*
 Rated speed n_N : 1380 min⁻¹*
 Starting current I_A : 17.00 A
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 30.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 46.6 %
 Efficiency: $N_{actual} = 57.0 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

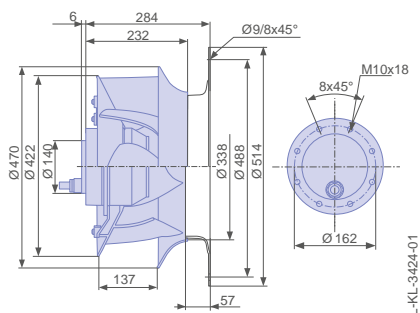


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411686 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH45V-4EK.6K.VR	I	230	①	3.60	680	1450	77
		230*	②	5.20*	1100*	1380*	74
		230	③	5.00	1050	1400	77
	II	200	④	3.10	600	1430	76
		200	⑤	5.20	1000	1340	73
		200	⑥	5.00	960	1350	76
	III	170	⑦	3.10	540	1410	76
		170	⑧	5.60	920	1240	72
		170	⑨	5.20	860	1280	75
	IV	135	⑩	3.40	460	1350	74
		135	⑪	6.00	720	1000	67
		135	⑫	5.60	700	1060	70
	V	110	⑬	3.70	390	1220	71
		110	⑭	5.40	520	760	60
		110	⑮	5.40	500	800	64

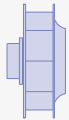
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH45V-4EK.6K.VR

Article no. 115599

Weight kg 20.00

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

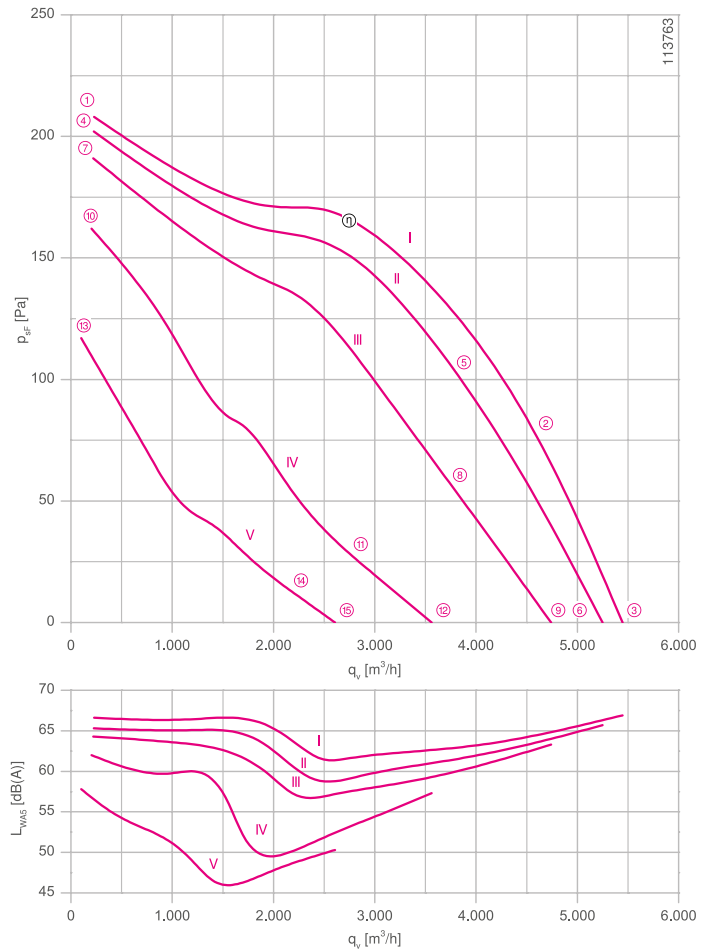
RH45V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 0.37 kW*
 Rated current I_N : 1.75 A*
 Rated speed n_N : 880 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 8.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 38.6 %
 Efficiency: $N_{actual} = 54.1 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

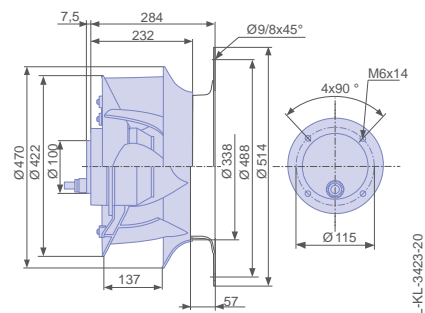


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring	00411686	Page 162
Connection diagram	1360-104XA	Page 168

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH45V-6EK.4F.VR	I	230	①	1.45	260	950	67
		230*	②	1.80*	370*	880*	64
		230	③	1.70	340	900	67
	II	200	④	1.20	210	940	65
		200	⑤	1.75	320	830	61
		200	⑥	1.60	300	860	66
	III	170	⑦	1.10	180	910	64
		170	⑧	1.75	270	730	59
		170	⑨	1.65	260	780	63
	IV	135	⑩	1.15	140	840	62
		135	⑪	1.65	190	530	53
		135	⑫	1.60	190	580	57
	V	110	⑬	1.20	120	710	58
		110	⑭	1.45	130	400	48
		110	⑮	1.45	130	430	50

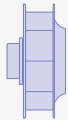
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH45V-6EK.4F.VR

Article no. 115597

Weight kg 9.60

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

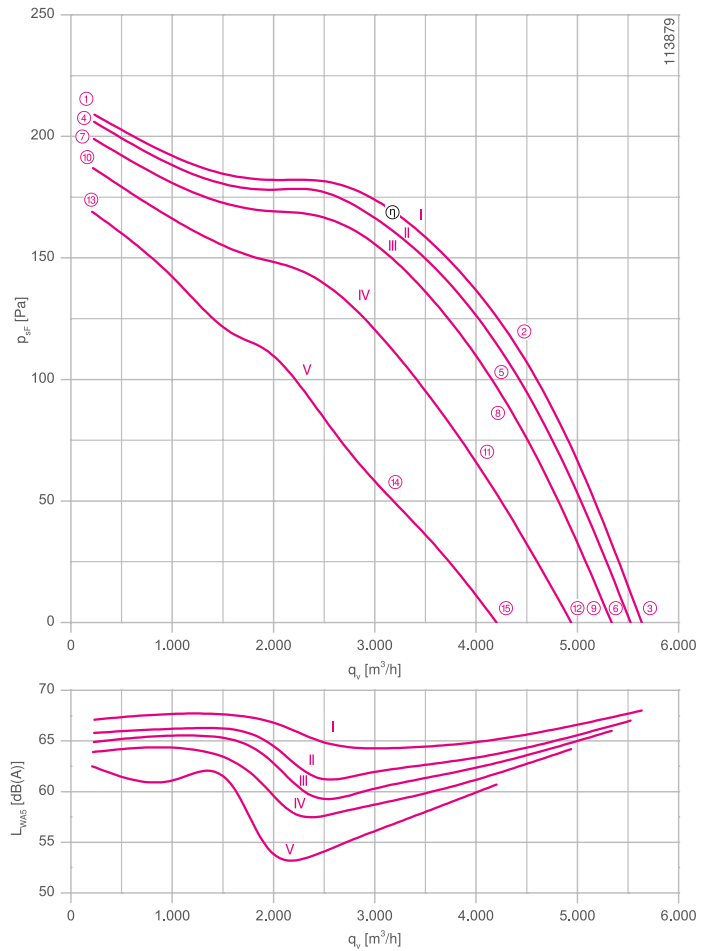
RH45V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.42 kW*
 Rated current I_N : 2.30 A*
 Rated speed n_N : 940 min⁻¹*
 Starting current I_A : 7.00 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 12.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 39.0 %
 Efficiency: $N_{actual} = 53.7 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

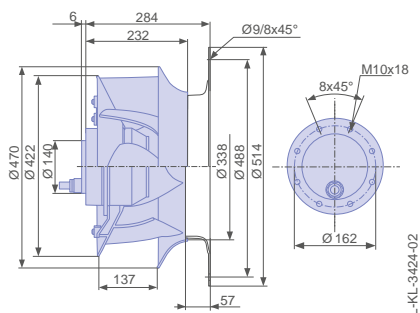


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411686 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH45V-6EK.6F.VR	I	230	①	2.00	290	970	67
		230*	②	2.30*	420*	940*	65
		230	③	2.20	390	950	68
	II	200	④	1.60	240	960	66
		200	⑤	2.10	360	920	64
		200	⑥	2.00	340	930	67
	III	170	⑦	1.45	200	950	65
		170	⑧	2.10	320	880	63
		170	⑨	1.95	290	900	66
	IV	135	⑩	1.40	160	920	64
		135	⑪	2.30	280	800	61
		135	⑫	2.10	260	830	64
	V	110	⑬	1.45	140	870	63
		110	⑭	2.40	230	650	56
		110	⑮	2.20	220	710	61

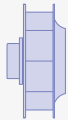
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH45V-6EK.6F.VR

Article no. 115600

Weight kg 16.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

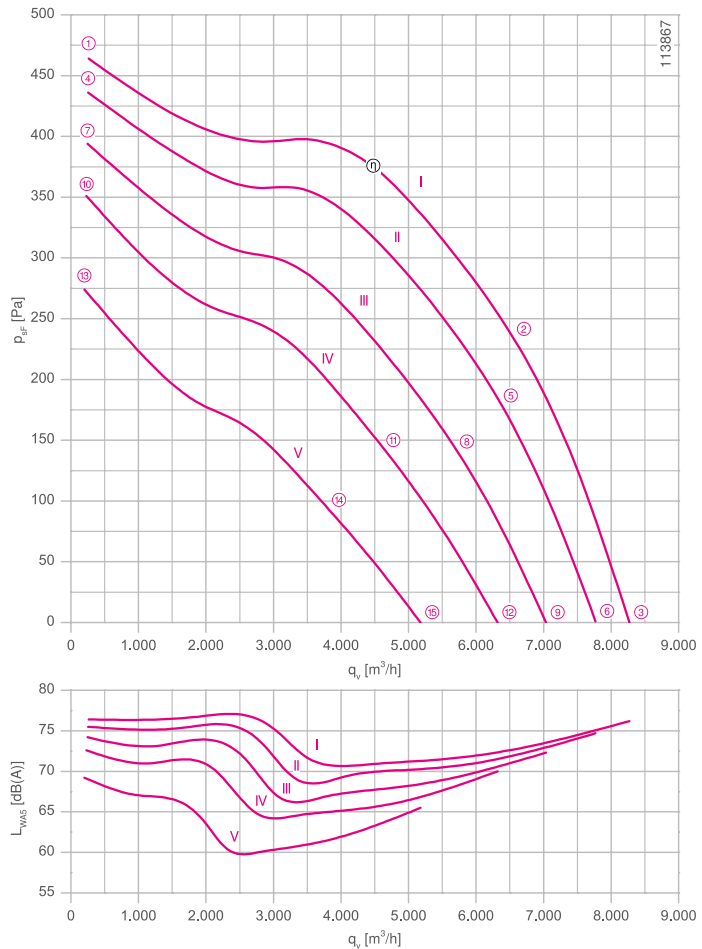
RH45V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 1.00 kW*
 Rated current I_N : 3.40/1.95 A*
 Rated speed n_N : 1370 min⁻¹*
 Starting current I_A : 17.00 / 9,50 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 53.6 %
 Efficiency: $N_{actual} = 64.6 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

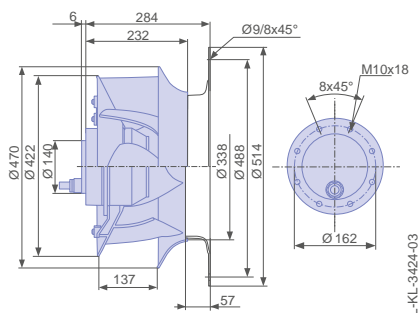


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00411686 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH45V-4DK.6F.VR	I	400	①	1.45	520	1440	76
		400*	②	1.95*	1000*	1370*	73
		400	③	1.85	900	1380	76
	II	300	④	1.20	460	1400	76
		300	⑤	1.95	860	1280	72
		300	⑥	1.80	800	1300	75
	III	230	⑦	1.25	420	1330	74
		230	⑧	2.10	720	1140	69
		230	⑨	1.95	680	1180	72
	IV	190	⑩	1.30	370	1250	73
		190	⑪	2.10	600	1020	65
		190	⑫	1.95	560	1060	70
	V	145	⑬	1.40	310	1110	69
		145	⑭	1.95	420	830	61
		145	⑮	1.90	400	870	66

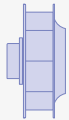
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH45V-4DK.6F.VR

Article no. 115601

Weight kg 16.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

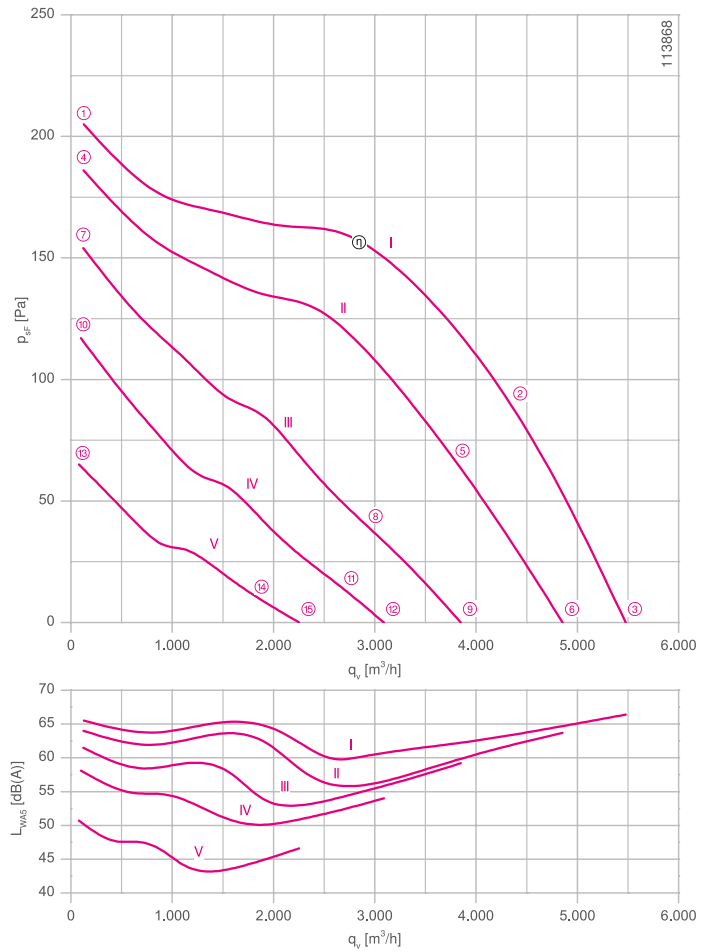
RH45V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 0.32 kW*
 Rated current I_N : 1.20/0.70 A*
 Rated speed n_N : 880 min⁻¹*
 Current increase ΔI : 0 %
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 44.6 %
 Efficiency: $N_{actual} = 60.8 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

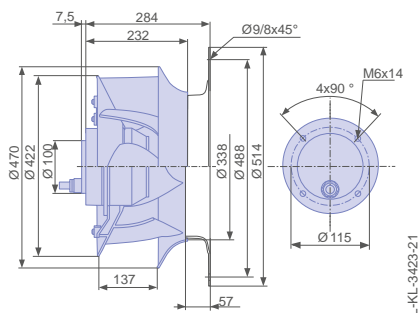


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring	00411686	Page 162
Connection diagram	1360-106XA	Page 168

Dimensions mm

Free-running motorized impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH45V-6DK.4F.VR	I	400	①	0.52	180	950	66
		400*	②	0.70*	320*	880*	63
		400	③	0.66	300	890	66
	II	300	④	0.46	150	900	64
		300	⑤	0.70	270	760	60
		300	⑥	0.66	250	790	64
	III	230	⑦	0.46	130	820	62
		230	⑧	0.68	190	590	55
		230	⑨	0.66	180	630	59
	IV	190	⑩	0.48	110	720	58
		190	⑪	0.60	130	480	52
		190	⑫	0.58	130	510	54
	V	145	⑬	0.44	75	540	51
		145	⑭	0.48	75	350	44
		145	⑮	0.48	75	370	47

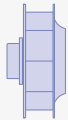
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH45V-6DK.4F.VR

Article no. 115598

Weight kg 9.60

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 4 pole

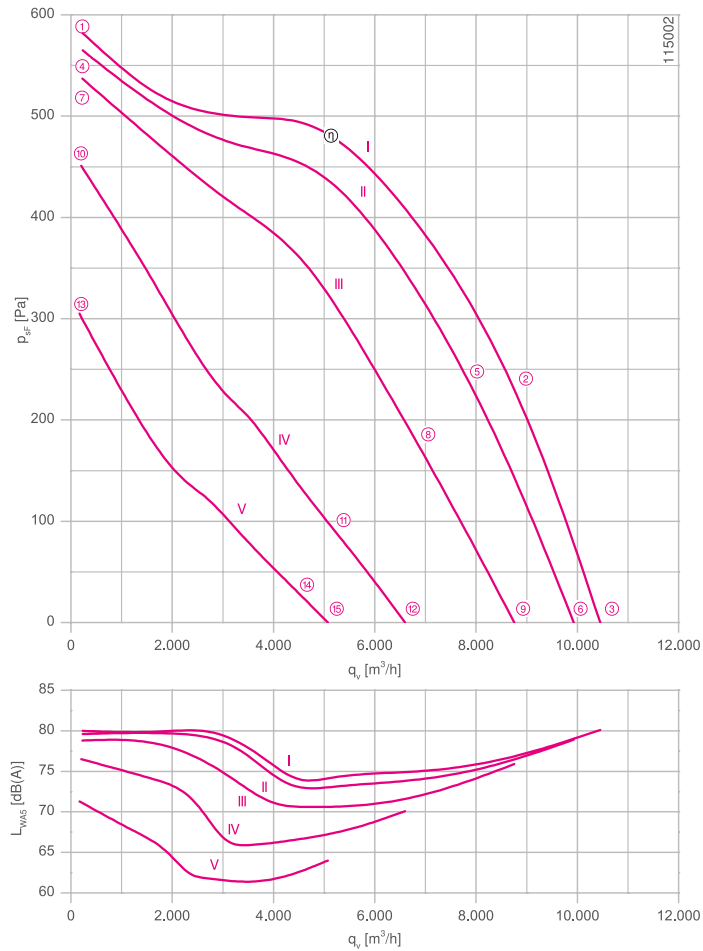
RH50V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 1.65 kW*
 Rated current I_N : 7.40 A*
 Rated speed n_N : 1350 min⁻¹*
 Starting current I_s : 22,00 A
 Current increase ΔI : 15 %
 Service capacitor C_{400V} : 35.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 49.4 %
 Efficiency: $N_{actual} = 58.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

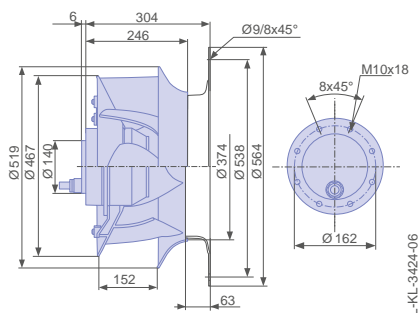


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412014 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH50V-4EK.6N.VR	I	230	①	4.20	940	1440	80
		230*	②	7.40*	1650*	1350*	77
		230	③	6.80	1550	1370	80
	II	200	④	4.40	860	1420	80
		200	⑤	7.80	1500	1260	75
		200	⑥	7.20	1400	1300	79
	III	170	⑦	4.60	780	1380	79
		170	⑧	8.20	1300	1090	72
		170	⑨	7.80	1250	1150	76
	IV	135	⑩	5.00	660	1270	77
		135	⑪	7.60	900	810	67
		135	⑫	7.40	880	870	70
	V	110	⑬	5.40	540	1050	71
		110	⑭	6.40	620	630	62
		110	⑮	6.40	600	670	64

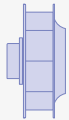
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH50V-4EK.6N.VR

Article no. 115606

Weight kg 25.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for single phase alternating current, 6 pole

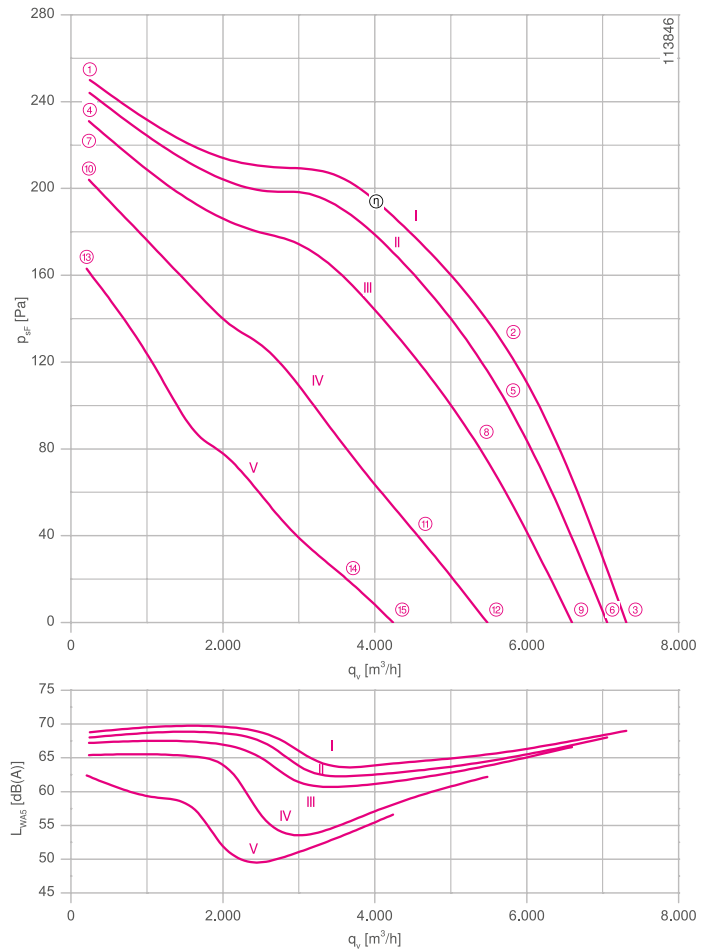
RH50V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.54 kW*
 Rated current I_N : 2.50 A*
 Rated speed n_N : 900 min⁻¹*
 Starting current I_A : 6.00 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 14.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 44.1 %
 Efficiency: $N_{actual} = 57.7 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

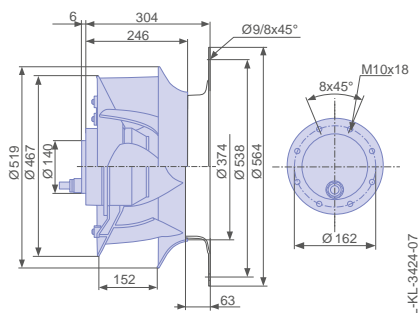


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412014 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH50V-6EK.6F.VR	I	230	①	1.75	360	950	69
		230*	②	2.50*	540*	900*	66
		230	③	2.30	500	910	69
	II	200	④	1.60	310	940	68
		200	⑤	2.50	480	860	65
		200	⑥	2.30	440	880	68
	III	170	⑦	1.60	260	920	67
		170	⑧	2.60	420	800	63
		170	⑨	2.40	380	830	67
	IV	135	⑩	1.65	220	860	65
		135	⑪	2.60	320	630	58
		135	⑫	2.50	310	690	62
	V	110	⑬	1.75	180	770	62
		110	⑭	2.40	230	490	53
		110	⑮	2.30	230	530	57

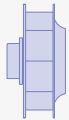
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH50V-6EK.6F.VR

Article no. 115603

Weight kg 17.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

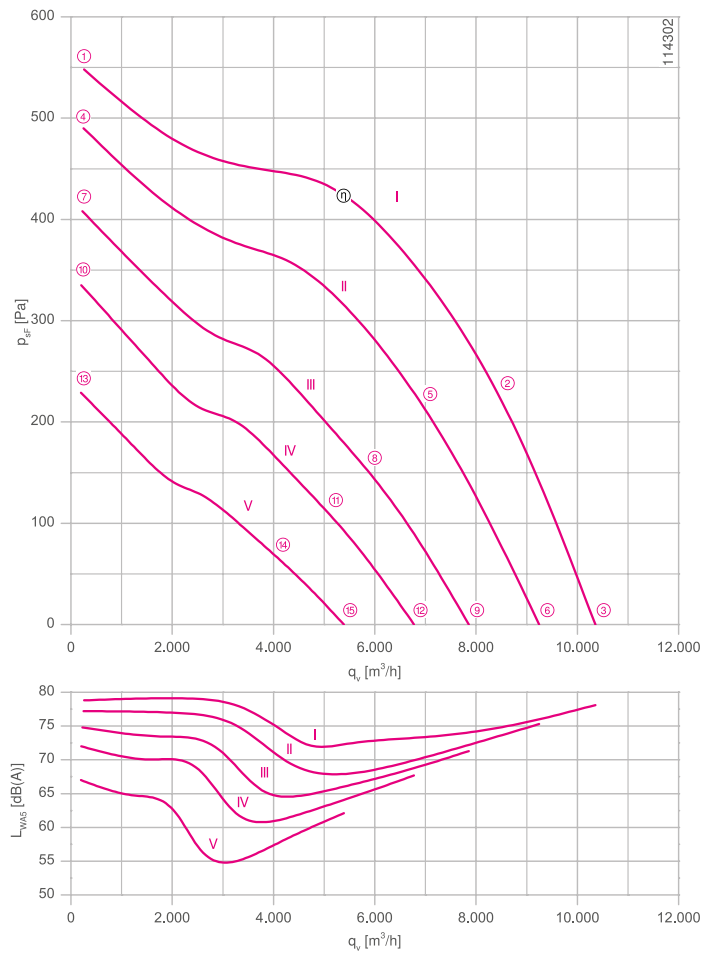
RH50V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 1.45 kW*
 Rated current I_N : 5.00/2.80 A*
 Rated speed n_N : 1280 min⁻¹*
 Starting current I_A : 16.00 / 9,50 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 50.2 %
 Efficiency: $N_{actual} = 59.5 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

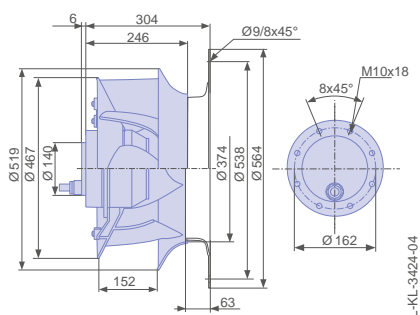


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412014 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH50V-4DK.6K.VR	I	400	①	1.90	760	1400	79
		400*	②	2.80*	1450*	1280*	75
		400	③	2.60	1300	1310	78
	II	300	④	1.75	680	1320	77
		300	⑤	2.80	1150	1130	71
		300	⑥	2.60	1100	1170	75
	III	230	⑦	1.80	580	1210	75
		230	⑧	2.70	860	960	67
		230	⑨	2.60	820	1000	71
	IV	190	⑩	1.85	480	1100	72
		190	⑪	2.50	640	820	63
		190	⑫	2.40	620	860	68
	V	145	⑬	1.75	350	910	67
		145	⑭	2.20	420	650	57
		145	⑮	2.10	400	680	62

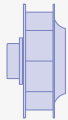
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH50V-4DK.6K.VR

Article no. 115604

Weight kg 21.00

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

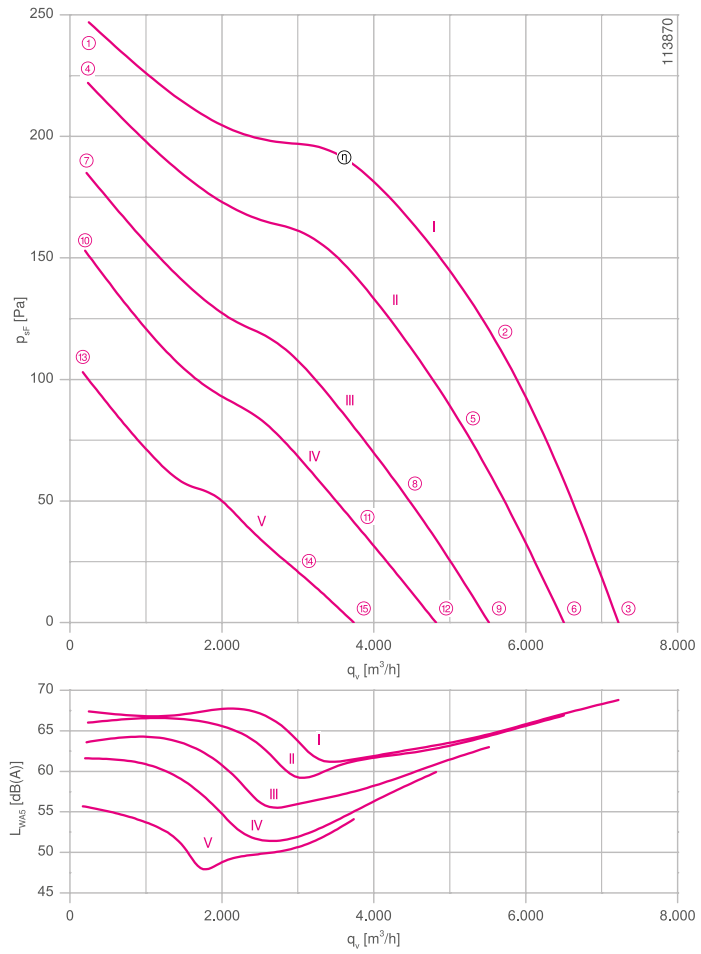
RH50V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 0.48 kW*
 Rated current I_N : 1.55/0.88 A*
 Rated speed n_N : 860 min⁻¹*
 Starting current I_A : 4.0 / 2.80 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 46.4 %
 Efficiency: $N_{\text{actual}} = 60.9 / N_{\text{target}} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

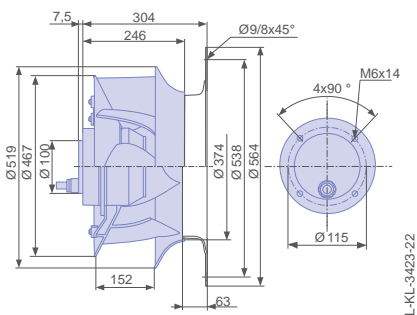


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412014 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH50V-6DK.4F.VR	I	400	①	0.66	270	930	67
		400*	②	0.88*	480*	860*	65
		400	③	0.82	440	880	69
	II	300	④	0.56	230	890	66
		300	⑤	0.88	400	770	63
		300	⑥	0.82	370	800	67
	III	230	⑦	0.58	200	810	64
		230	⑧	0.88	310	640	59
		230	⑨	0.82	290	680	63
	IV	190	⑩	0.60	170	740	62
		190	⑪	0.84	240	550	55
		190	⑫	0.80	230	590	60
	V	145	⑬	0.58	130	610	56
		145	⑭	0.72	160	430	50
		145	⑮	0.70	150	460	54

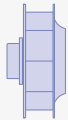
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH50V-6DK.4F.VR

Article no. 115602

Weight kg 10.60

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

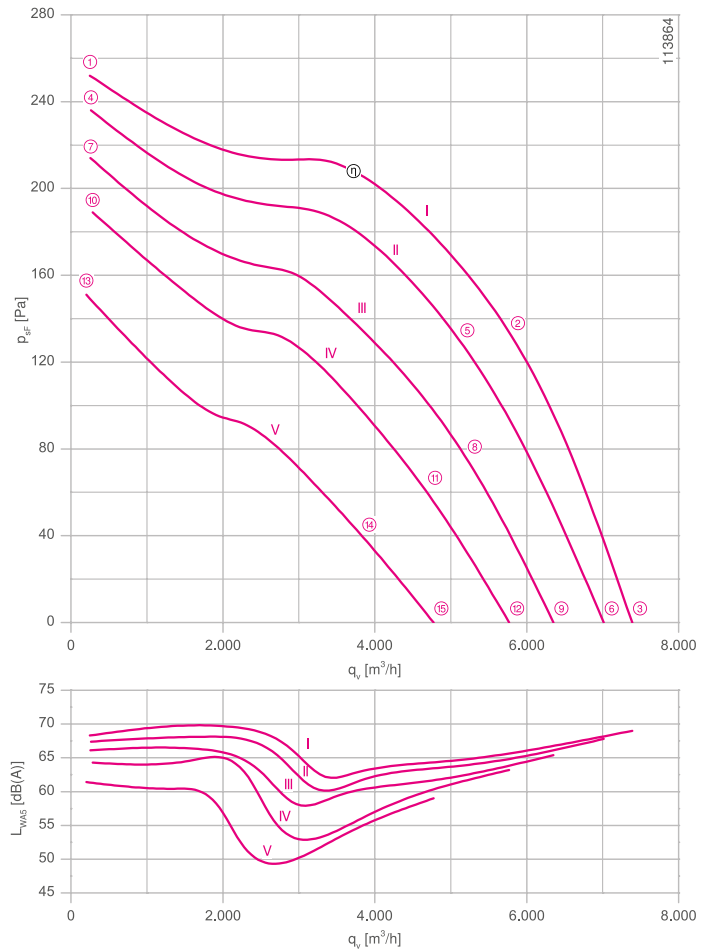
RH50V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.50 kW*
 Rated current I_N : 2.30/1.30 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 8.50 / 5.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 49.9 %
 Efficiency: $N_{actual} = 64.1 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

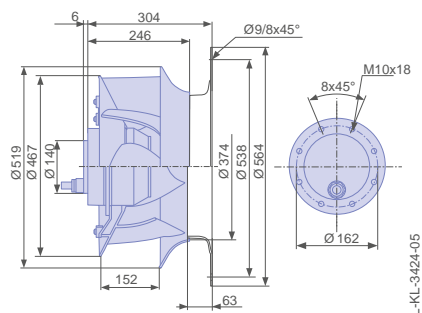
Characteristic curve



Inlet ring 00412014 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH50V-6DK.6F.VR	I	400	①	1.10	280	960	68
		400*	②	1.30*	500*	920*	66
		400	③	1.25	460	920	69
	II	300	④	0.86	240	930	67
		300	⑤	1.15	420	860	63
		300	⑥	1.10	390	870	68
	III	230	⑦	0.78	210	890	66
		230	⑧	1.15	360	770	62
		230	⑨	1.05	330	800	65
	IV	190	⑩	0.78	190	840	64
		190	⑪	1.15	290	690	60
		190	⑫	1.05	280	720	63
	V	145	⑬	0.78	150	740	61
		145	⑭	1.05	210	560	55
		145	⑮	1.00	200	600	59

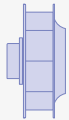
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH50V-6DK.6F.VR

Article no. 115605

Weight kg 17.20

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for single phase alternating current, 6 pole

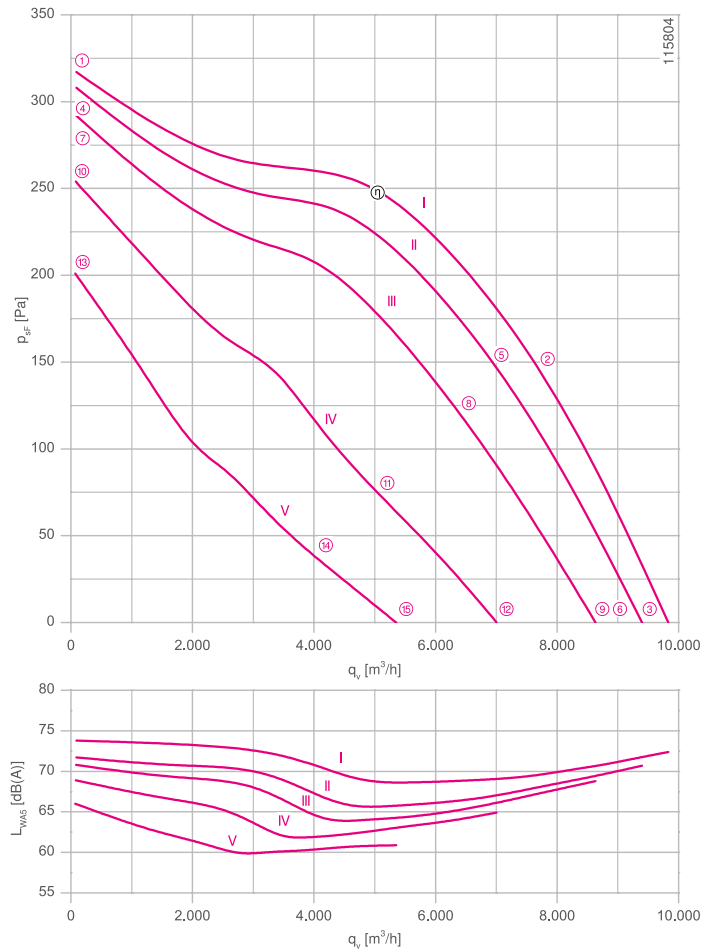
RH56V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.84 kW*
 Rated current I_N : 4.20 A*
 Rated speed n_N : 890 min⁻¹*
 Starting current I_A : 11.00 A
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 16.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 46.5 %
 Efficiency: $N_{actual} = 58.2 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

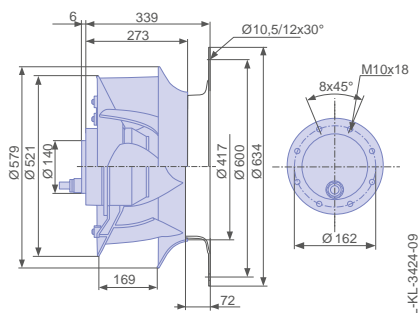


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412015 Page 162
 Connection diagram 1360-104XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH56V-6EK.6N.VR	I	230	①	2.80	480	950	74
		230*	②	4.20*	840*	890*	70
		230	③	4.00	780	900	72
	II	200	④	2.60	440	940	72
		200	⑤	4.40	780	840	67
		200	⑥	4.00	720	860	71
	III	170	⑦	2.60	390	910	71
		170	⑧	4.60	700	760	65
		170	⑨	4.20	660	800	69
	IV	135	⑩	2.80	340	850	69
		135	⑪	4.60	560	600	63
		135	⑫	4.40	520	650	65
	V	110	⑬	3.00	300	750	66
		110	⑭	4.20	400	460	60
		110	⑮	4.20	390	490	61

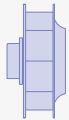
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH56V-6EK.6N.VR

Article no. 115607

Weight kg 26.80

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 1~



Motor protection units
1~



Transformer-based
controllers 1~



Electronic voltage
controllers 1~



ZAvblue

for three phase alternating current, 4 pole

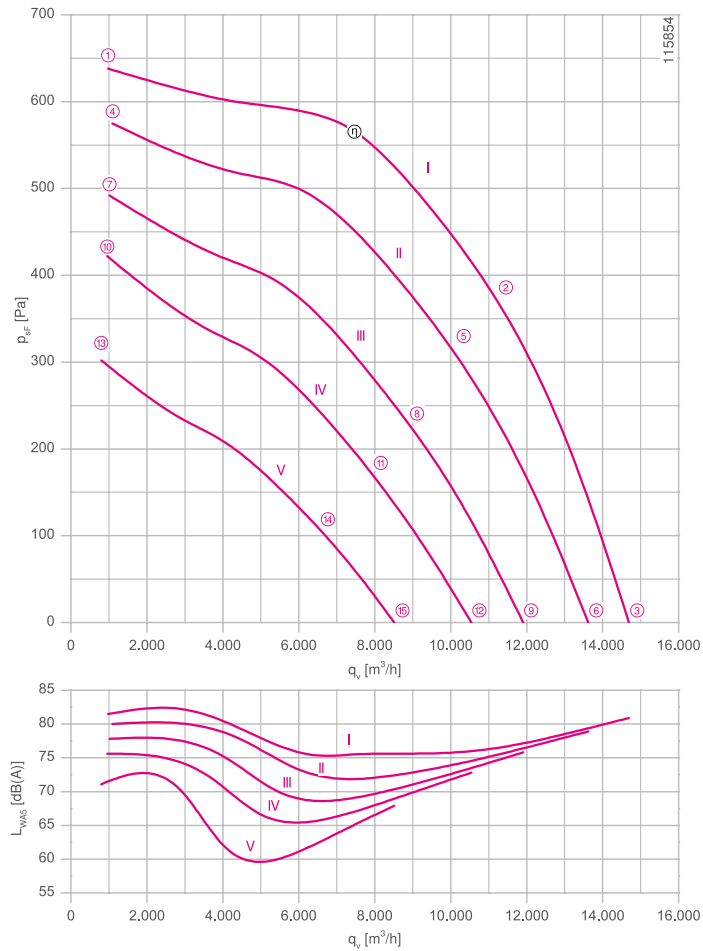
RH56V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 2.50 kW*
 Rated current I_N : 8.20/4.60 A*
 Rated speed n_N : 1330 min⁻¹*
 Starting current I_A : 38.00 / 22.00 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 45 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 52.6 %
 Efficiency: $N_{actual} = 59.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

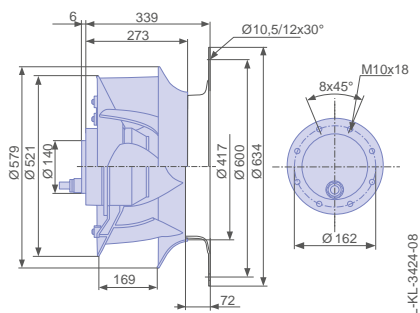


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412015 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH56V-4DK.6N.VR	I	400	①	3.20	1400	1420	82
		400*	②	4.60*	2500*	1330*	76
		400	③	4.40	2300	1350	81
	II	300	④	3.00	1250	1360	80
		300	⑤	4.80	2200	1210	74
		300	⑥	4.40	2000	1240	79
	III	230	⑦	3.20	1100	1260	78
		230	⑧	4.80	1700	1050	71
		230	⑨	4.60	1600	1090	76
	IV	190	⑩	3.30	940	1160	76
		190	⑪	4.80	1350	930	68
		190	⑫	4.60	1300	970	73
	V	145	⑬	3.30	720	990	71
		145	⑭	4.20	920	750	63
		145	⑮	4.20	900	790	68

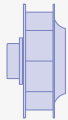
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH56V-4DK.6N.VR

Article no. 115641

Weight kg 26.80

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

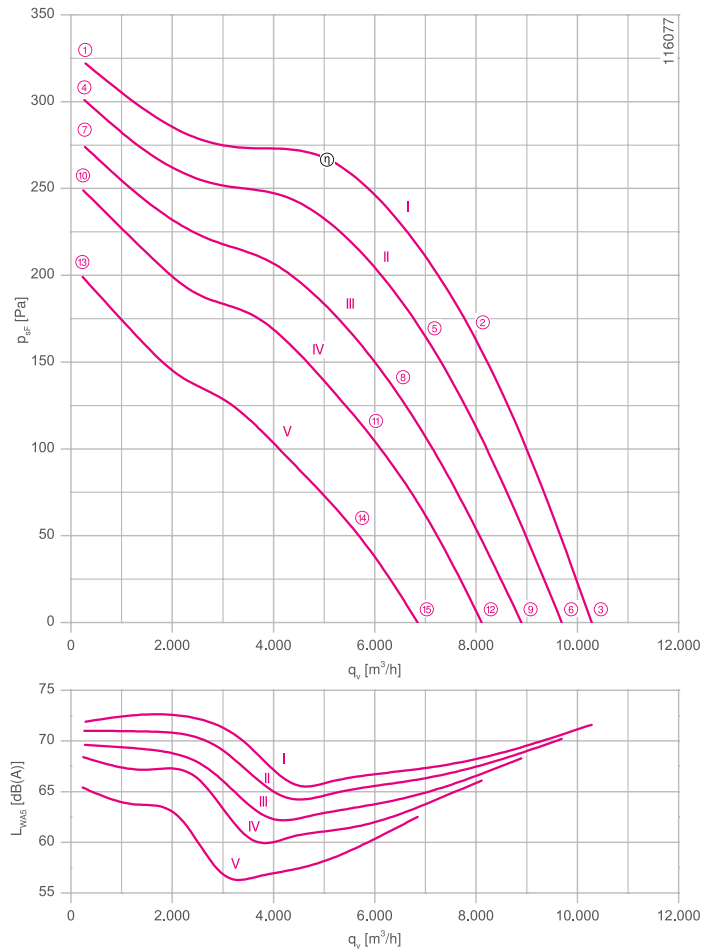
RH56V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Input power P_i : 0.86 kW*
 Rated current I_N : 3.80/2.20 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 16.00 / 9.00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 50.7 %
 Efficiency: $N_{actual} = 62.5 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

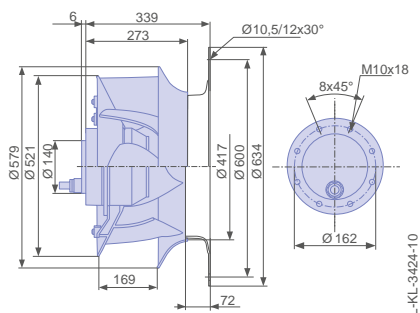
Characteristic curve



Inlet ring 00412015 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH56V-6DK.6K.VR	I	400	①	1.90	480	960	72
		400*	②	2.20*	860*	920*	68
		400	③	2.10	780	930	72
	II	300	④	1.45	400	930	71
		300	⑤	1.95	740	860	66
		300	⑥	1.80	680	880	70
	III	230	⑦	1.30	360	890	70
		230	⑧	1.90	620	780	64
		230	⑨	1.80	560	800	68
	IV	190	⑩	1.30	320	850	68
		190	⑪	1.90	520	710	62
		190	⑫	1.80	480	740	66
	V	145	⑬	1.30	260	760	65
		145	⑭	1.80	380	600	59
		145	⑮	1.70	360	630	63

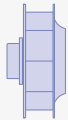
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH56V-6DK.6K.VR

Article no. 115608

Weight kg 22.60

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 4 pole

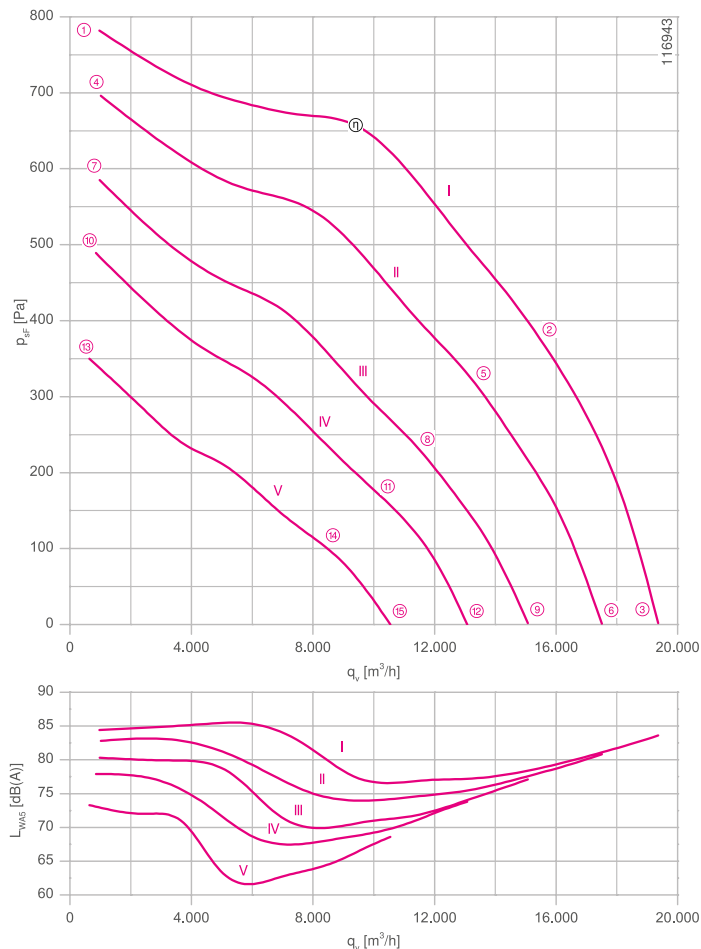
RH63V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 3.90 kW*
 Rated current I_N : 11.50/6.60 A*
 Rated speed n_N : 1270 min⁻¹*
 Starting current I_A : 46,00 / 26,00 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 51.5 %
 Efficiency: $N_{actual} = 56.3 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

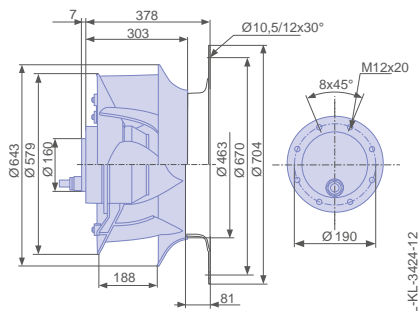


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412371 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH63V-4DK.7Q.VR	I	400	①	4.20	2100	1390	84
		400*	②	6.60*	3900*	1270*	79
		400	③	6.20	3600	1300	84
	II	300	④	4.20	1850	1310	83
		300	⑤	6.80	3200	1140	76
		300	⑥	6.40	3000	1170	81
	III	230	⑦	4.40	1550	1200	80
		230	⑧	6.80	2400	980	72
		230	⑨	6.40	2300	1010	77
	IV	190	⑩	4.60	1350	1100	78
		190	⑪	6.40	1900	850	69
		190	⑫	6.20	1800	890	74
	V	145	⑬	4.60	1000	930	73
		145	⑭	5.80	1250	680	64
		145	⑮	5.60	1250	720	69

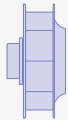
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH63V-4DK.7Q.VR

Article no. 115611

Weight kg 41.80

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~



ZAvblue

for three phase alternating current, 6 pole

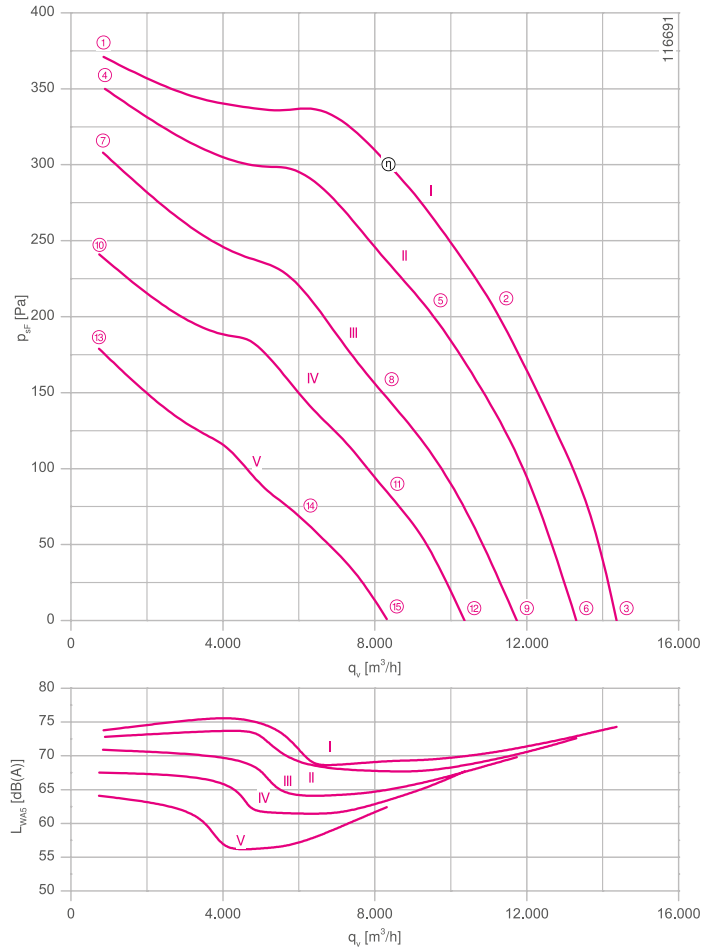
RH63V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Input power P_i : 1.45 kW*
 Rated current I_N : 6.00/3.40 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 22,00 / 12,00 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Degree of protection : IP54
 Motor protection: thermal contact
 Impeller : High Performance Composite Material, uncoated, ultramarine blue
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 51.8 %
 Efficiency: $N_{actual} = 60.8 / N_{target} = 50$ **
 * Rated data
 **ErP 2015

Characteristic curve

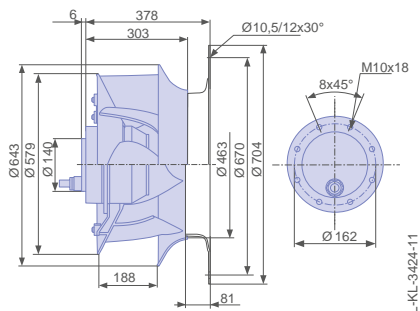


Measured with inlet nozzle, without guard grille according to ISO 5801

Inlet ring 00412371 Page 162
 Connection diagram 1360-106XA Page 168

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L_{WAS} dB(A)
		U V		I A	P_1 W	n min ⁻¹	
RH63V-6DK.6N.VR	I	400	①	2.70	780	960	74
		400*	②	3.40*	1450*	920*	71
		400	③	3.20	1300	930	74
	II	300	④	2.20	680	930	73
		300	⑤	3.30	1200	840	68
		300	⑥	3.00	1100	860	73
	III	230	⑦	2.20	600	870	71
		230	⑧	3.20	960	730	65
		230	⑨	3.00	880	770	70
	IV	190	⑩	2.00	500	770	68
		190	⑪	3.10	760	640	63
		190	⑫	2.90	720	680	68
	V	145	⑬	2.20	420	690	64
		145	⑭	2.70	500	510	57
		145	⑮	2.60	480	540	62

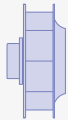
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable axial, 105cm



Type RH63V-6DK.6N.VR

Article no. 115609

Weight kg 28.70

* Inlet nozzle not included in the scope of delivery

Control technology

Frequency inverters
Fcontrol 3~



Motor protection units
3~



Transformer-based
controllers 3~



Electronic voltage
controllers 3~





System components

Product overview

Inlet nozzle

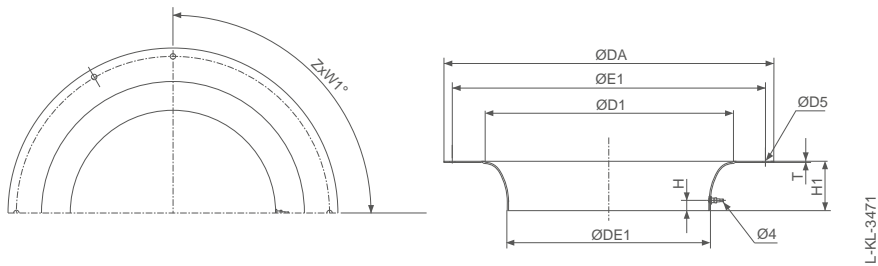
Page 162



System components

Inlet nozzle

Material: composite material



Size	Article no.	Article no. with measuring device	DA	DE1	D1	D5	E1	H1	H	T	ZxW1°	Weight
			mm	mm	mm	mm	mm	mm	mm	mm	(1)	kg
RH25V	00412364	00412601	303	183,5	224,1	9,0	283	32,3	10,5	2	6x60°	0,1
RH28V	00412366	00412602	343	204,9	250,6	9,0	317	35,3	12,0	2	8x45°	0,2
RH31V	00412368	00412603	378	230,8	282,6	9,0	352	40,3	14,5	2	8x45°	0,2
RH35V	00412370	00412604	418	258,0	316,6	9,0	392	45,3	16,0	2	8x45°	0,2
RH40V	00411684	00411994	464	298,1	362,8	9,0	438	50,7	15,5	4	8x45°	0,5
RH45V	00411686	00411995	514	331,1	406,8	9,0	488	56,6	17,5	4	8x45°	0,7
RH50V	00412014	00412357	564	366,1	448,1	9,0	538	63,1	20,5	4	8x45°	0,8
RH56V	00412015	00412358	634	408,1	499,9	10,5	600	71,6	23,0	4	12x30°	1,0
RH63V	00412371	00412605	704	453,6	556,6	10,5	670	80,7	29,5	4	12x30°	1,2

(1) fastening inlet nozzle

Nozzle coefficients

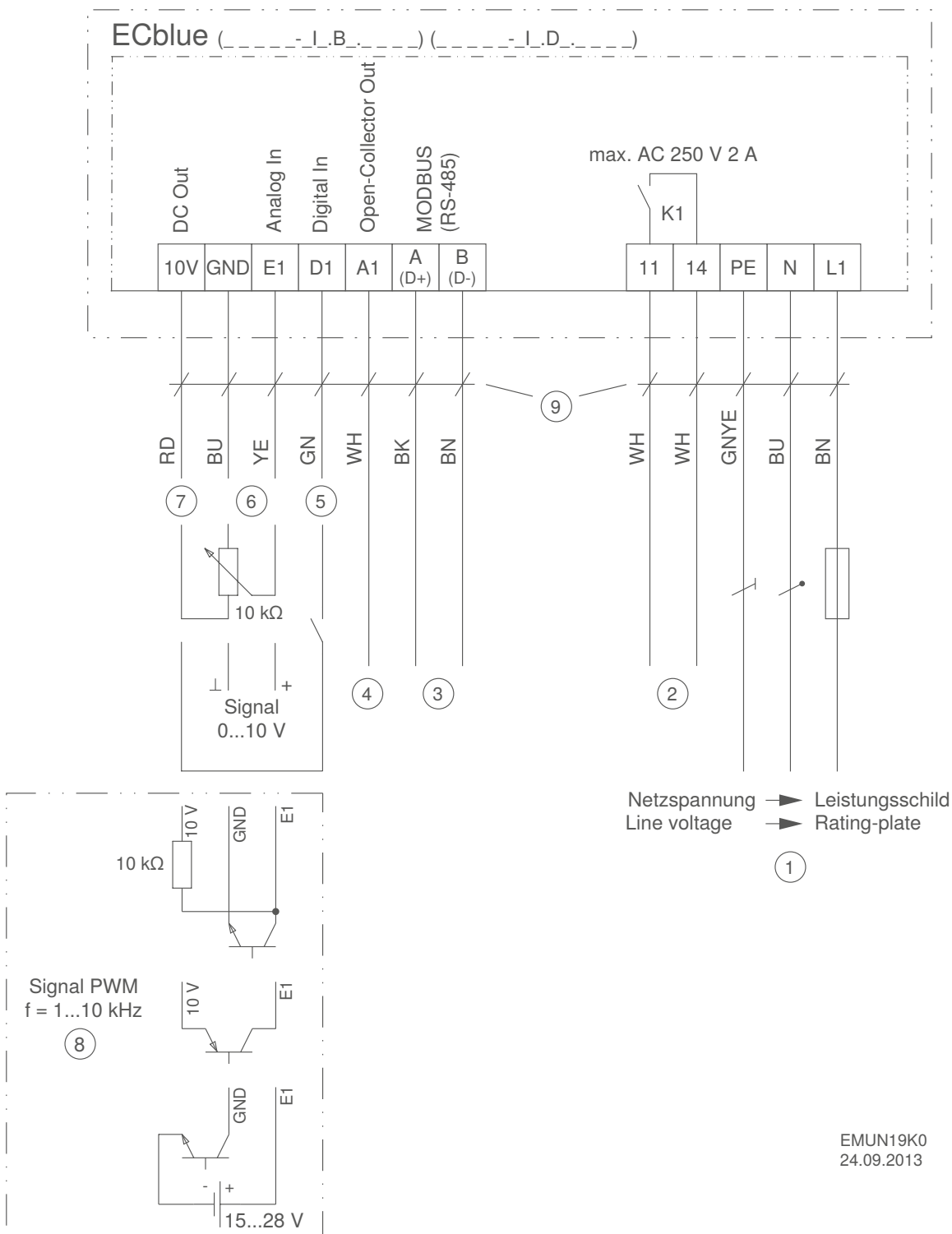
Size	ZAvblue
250	80
280	95
315	120
355	150
400	200
450	240
500	320
560	400
630	480

$\rho = 1.20 \text{ kg/m}^3$

Connection diagrams

EC technology

1360-384 (EC090)



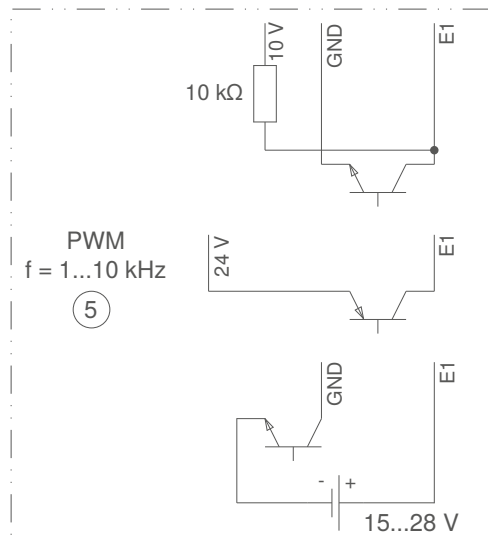
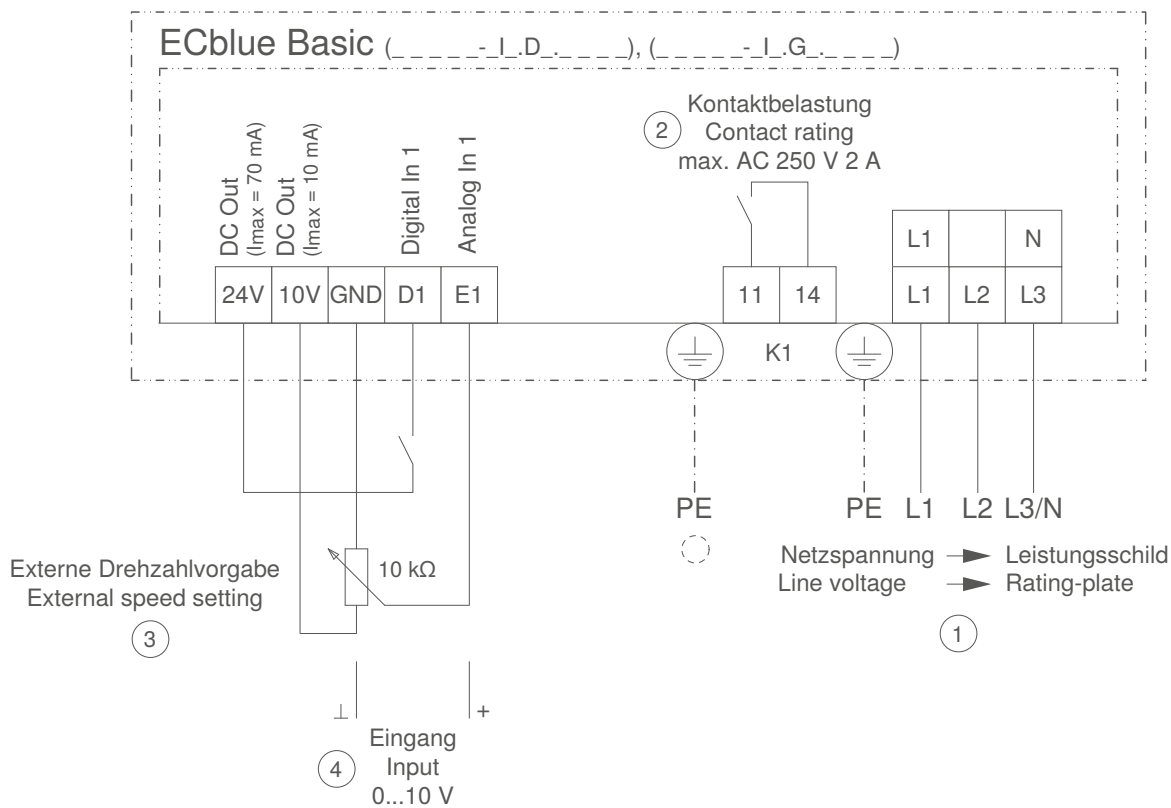
EMUN19K0
24.09.2013

- ① Line voltage see rating-plate
- ② Relay output for fault indication (max. contact rating AC 250 V 2 A)
- ③ MODBUS (RS-485) interface
- ④ Open-Collector output status / tachometer
- ⑤ Digital input for enable
- ⑥ Input for setting speed by 0...10 V signal / potentiometer ($R_1 > 100 \text{ k}\Omega$)
- ⑦ Voltage supply 10 V DC ($I_{\text{max}} 50 \text{ mA}$)
- ⑧ Setting speed by PWM signal ($f = 1 \dots 10 \text{ kHz}$)
- ⑨ Version with connection cables

Connection diagrams

EC technology

1360-403 (EC116 / EC152)



MOEA03K1
25.05.2012

- ① line voltage
- ② contact load
- ③ external speed setting
- ④ input
- ⑤ PWM



Connection diagrams

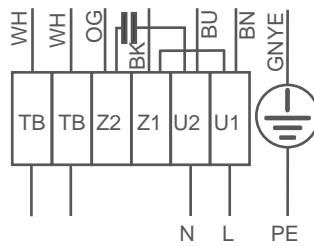
AC-Technology

104XA

For 1~-motor with capacitor and thermostatic switch (if built in).

Airflow direction: V

Direction of rotation: clockwise



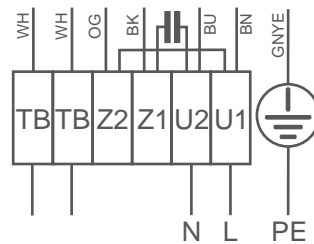
Cable colours:
BN brown
BU blue
BK black
OG orange
WH white
GNYE green-yellow

104XB

For 1~-motor with capacitor and thermostatic switch (if built in).

Airflow direction: A

Direction of rotation: counter clockwise



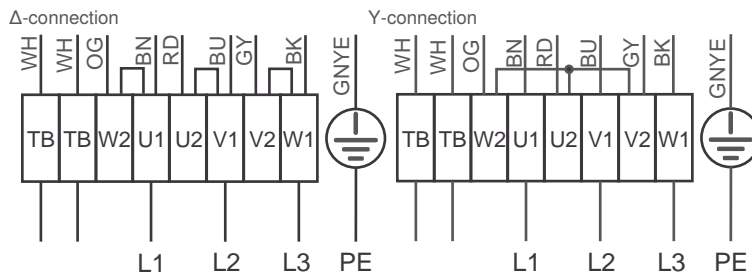
Cable colours:
BN brown
BU blue
BK black
OG orange
WH white
GNYE green-yellow

106XA

For 3~-motor with one speed and thermostatic switch (if built in).

Airflow direction: V

Direction of rotation: clockwise



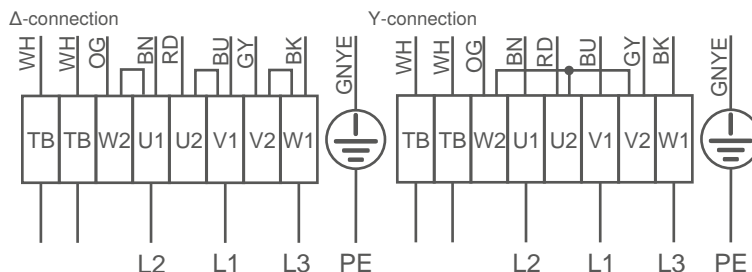
Cable colours:
BN brown
BU blue
BK black
RD red
GY grey
OG orange
WH white
GNYE green-yellow

106XB

For 3~-motor with one speed and thermostatic switch (if built in).

Airflow direction: A

Direction of rotation: clockwise



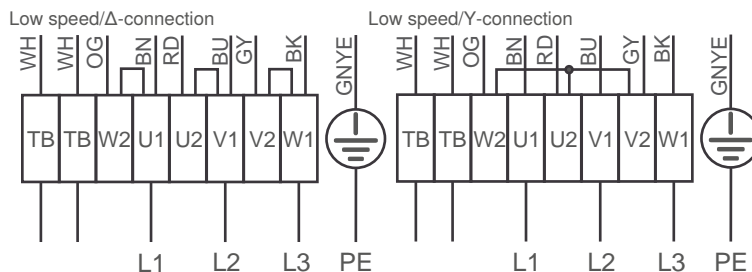
Cable colours:
BN brown
BU blue
BK black
RD red
GY grey
OG orange
WH white
GNYE green-yellow

108XA

For 3~-Motor with 2 speeds (Δ -/Y switch over) and thermostatic switch (if built in). Without bridge when using speed change-over switch.

Direction of air flow: V

Direction of rotation: Clockwise



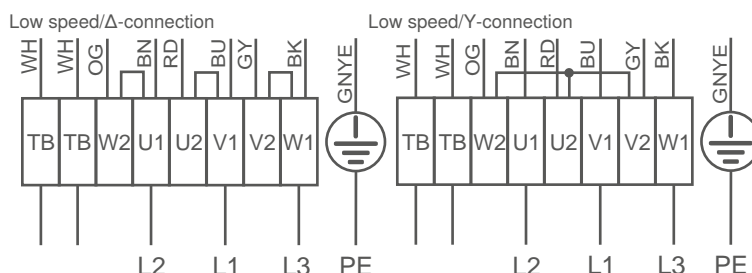
Cable colours:
BN brown
BU blue
BK black
RD red
GY grey
OG orange
WH white
GNYE green-yellow

108XB

For 3~ motor with 2 speeds (Δ -/Y switch over) and thermostatic switch (if built in). Without bridge when using speed change-over switch.

Direction of airflow: A

Direction of rotation: Counter clockwise



Cable colours:
BN brown
BU blue
BK black
RD red
GY grey
OG orange
WH white
GNYE green-yellow

The Royal League



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