



EVMS

Vertical Multistage Pumps



with unique low axial
thrust impeller design

Any motor - Anywhere



Contents

Important Note:

Text and Performance curves in grey are models that are not part of EPA stocked market range.

SPECIFICATIONS	Page
Product Specifications	100
Shaft Seal	101
Type Key	102
Performance Range	103
Curve Specifications	104
Selection Chart	105-106
PERFORMANCE CURVES & TECHNICAL DATA	
Performance Curve – EVMS(L)1	200
Technical Data – EVMS(L)1	201
Sectional View – EVMS(L)1	202
Pipe Connection - EVMS(L)1	203
Sectional Table – EVMS(L)1	204
Quantity for model – EVMS(L)1	205
Performance Curve – EVMSG1	206
Technical Data – EVMSG1	207
Sectional View – EVMSG1	208
Sectional Table – EVMSG1	209
Quantity for model – EVMSG1	210
Performance Curve – EVMS(L)3	211
Technical Data – EVMS(L)3	212
Sectional View – EVMS(L)3	213
Pipe Connection – EVMS	214
Sectional Table – EVMS(L)3	215
Quantity for model – EVMS(L)3	216
Performance Curve – EVMSG3	217
Technical Data – EVMSG3	218
Sectional View – EVMSG3	219
Sectional Table – EVMSG3	220
Quantity for model – EVMSG3	221
Performance Curve – EVMS(L)5	222
Technical Data EVMS(L)5	223
Sectional View – EVMS(L)5	224
Pipe Connection – EVMS(L)5	225
Sectional Table – EVMS(L)5	226
Quantity for model EVMS(L)5	227
Performance Curve – EVMSG5	228
Technical Data – EVMSG5	229
Sectional View – EVMSG5	230
Sectional Table – EVMSG5	231
Quantity for model – EVMSG5	232

Contents

PERFORMANCE CURVES & TECHNICAL DATA (Continued)

Performance Curve – EVMS(L)10.....	233
Technical Data – EVMS(L)10.....	234
Sectional View – EVMS(L)10.....	235
Pipe Connection – EVMS(L)10.....	236
Sectional Table – EVMS(L)10.....	237
Quantity for model – EVMS(L)10.....	238
Performance Curve – EVMSG10.....	239
Technical Data – EVMSG10.....	240
Sectional View – EVMSG10.....	241
Sectional Table – EVMSG10.....	242
Quantity for model – EVMSG10.....	243
Performance Curve – EVMS(L)15.....	244
Technical data – EVMS(L)15.....	245
Sectional View – EVMS(L)15.....	246
Pipe Connection – EVMS(L)15.....	247
Sectional Table – EVMS(L)15.....	248
Quantity for model – EVMS(L)15.....	249
Performance Curve – EVMSG15.....	250
Technical Data – EVMSG15.....	251
Sectional View – EVMSG15.....	252
Pipe Connection – EVMSG15.....	253
Sectional Table – EVMSG15.....	254
Quantity for model – EVMSG15.....	255
Performance Curve – EVMS(L)20.....	256
Technical Data – EVMS(L)20.....	257
Sectional View – EVMS(L)20.....	258
Pipe Connection – EVMS(L)20.....	259
Sectional Table - EVMS(L)20.....	260
Quantity for model – EVMS(L)20.....	261
Performance Curve – EVMSG20.....	262
Technical Data – EVMSG20.....	263
Sectional View – EVMSG20.....	264
Pipe Connection – EVMSG20.....	265
Sectional Table – EVMSG20.....	266
Quantity for model – EVMSG20.....	267

PACKING DATA

Packing Drawing.....	300
Packing Data EVMS(.) 1-3-5.....	301
Packing Data EVMS(.) 10-15-20.....	302

MOTOR DATA

Technical Motor Data.....	400
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Product Specifications

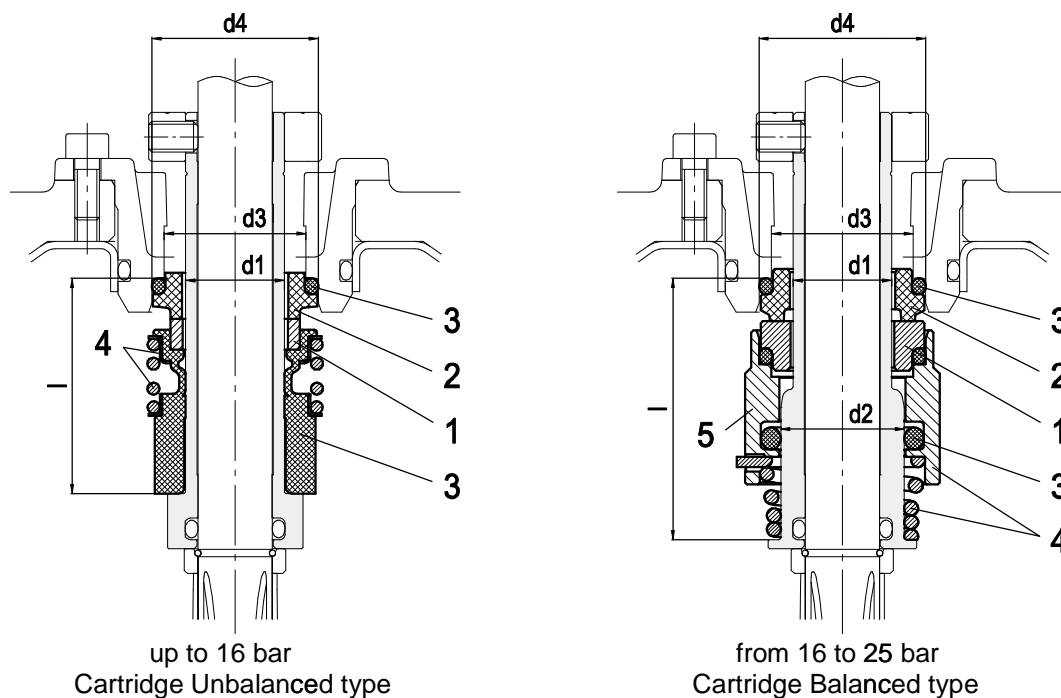
PRODUCT SPECIFICATIONS EVMS(.)1-3-5-10-15-20

		PUMP																		
Version		EVMSG						EVMS						EVMSL						
Operating range	Nominal flow rate (m ³ /h)	1	3	5	10	15	20	1	3	5	10	15	20	1	3	5	10	15	20	
		Maximum working pressure	1.6 / 2.5 MPa (16 / 25 bar)																	
		Liquid temperature range	-30°C to 140°C																	
Key Components Material	Impeller	EN 1.4301 (AISI 304)												EN 1.4404 (AISI 316L)						
	Intermediate casing	EN 1.4301 (AISI 304)																		
	Liner ring	EN 1.4301 (AISI 304) + PPS												EN 1.4404 (AISI 316L) + PPS						
	Bottom casing	Cast Iron						EN 1.4301 (AISI 304)						EN 1.4404 (AISI 316L)						
	Casing cover	EN 1.4301 (AISI 304)																		
	Shaft	EN 1.4301 (AISI 304)	EVMSG / EVMS 1-3-10 , EVMSG / EVMS 5-15-20 (depend on models)																	
		EN 1.4404 (AISI 316L)	EVMSL 1-3-10 , EVMSL 5-15-20 (depend on models)																	
		EN 1.4462 (AISI 329A)	EVMSG / EVMS / EVMSL 5-15-20 (depend on models)																	
	Shaft sleeve bearing	Tungsten carbide																		
	Shaft Seal	See the shaft seal options																		
	O-ring	EPDM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		FPM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Outer casing	EN 1.4301 (AISI 304)												EN 1.4404 (AISI 316L)						
	Motor Bracket	Cast Iron																		
	Tie rod	EN 1.4057 (AISI 431)																		
Coupling	up to 4.0 kW	Die cast aluminium																		
	from 5.5 kW	Cast Iron																		
Base	Cast Iron									Die cast aluminium										
Pipe connection	Oval flange up to 16 bar	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Round flange (DIN) up to 16 bar	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		from 16 bar to 25 bar	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Loose round flange (DIN) up to 16 bar									●	●	●	●	●	●	●	●	●	●	
		from 16 bar to 25 bar								●	●	●	●	●	●	●	●	●	●	
	Victaulic® up to 16/25 bar									●	●	●	●	●	●	●	●	●	●	
Clamp up to 16/25 bar									●	●	●	●	●	●	●	●	●	●		

● Available

MOTOR		WEG W21 E3 Three phase	WEG W22 Single phase	Teco Moncarch Single phase (ML series)
Power Source	Frequency	50 Hz	50 Hz	50 Hz
	Phase	Three phase	Single phase	Single phase
	Rotation speed	~2900 min	~ 2900 min	~2900
	Power rating	0.37 – 18.5 kW	0.75 – 3.0 kW	0.37 – 0.55 kW
		0.5 – 25 HP	1 – 4 HP	0.55 - 0.75 HP
Voltage	230/400 ± 10% (up to 3kW) 400/690 ± 10% (4.0 kW & above)	240 – 480 V	240 V	
Type	Type	Electric – TEFC	Electric – TEFC	Electric – TEFC
	No. of poles	2	2	2
	Protection degree	IP 55	IP 55	IP 55
	Insulation class	F (temperature rise class B)	F (105 K) temperature rise	F (temperature rise class B)
	Casing material	Aluminium	Cast Iron	Aluminium
Other	Flange mount (IEC motor)	IM B14 (up to 4kW) IM B5 (5.5kW & above)	IM B14	IM B14

Shaft Seal



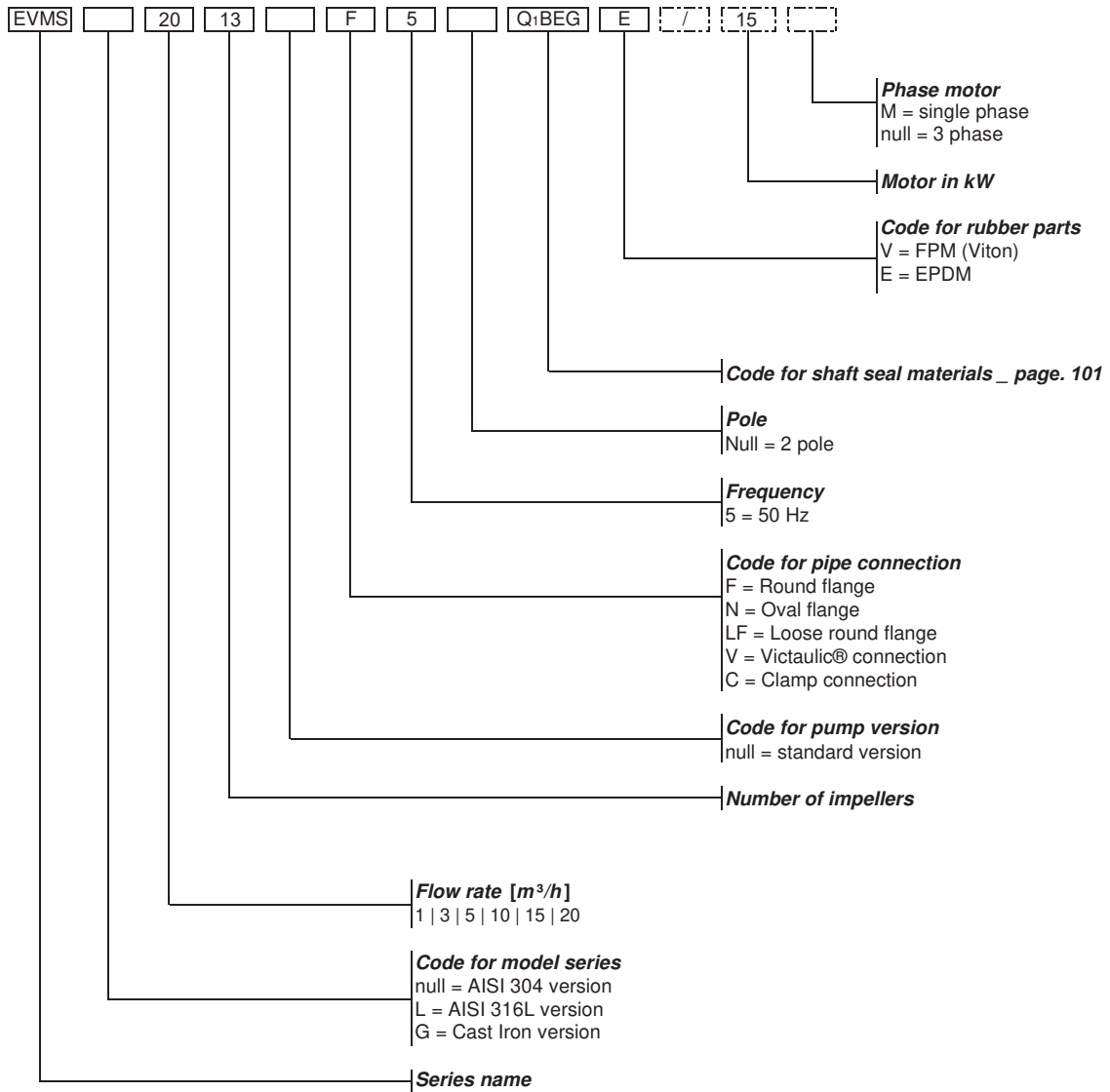
Legend: ● Standard ○ Options () Type key

Pump model	Max liquid temperature range	Shaft seal type Cartridge		Shaft seal material					Type key
		Unbalanced	Balanced	1 Rotating Part	2 Stationary Part	3 Elastomers	4 Spring	5 Collar	
up to 16 bar	- 30°C to + 120°C	●		SiC (Q)	Carbon (B)	EPDM (E)	AISI316 (G)		Q ₁ BEG
	- 30°C to + 80°C	○		SiC (Q)	Carbon (B)	FPM (V)	AISI316 (G)		Q ₁ BVG
	- 30°C to + 140°C		○	SiC with graphite (Q _g)	SiC (Q ₁)	EPDM (E)	AISI316 (G)		HQ _g Q ₁ EG
	- 30°C to + 80°C		○	SiC with graphite (Q _g)	SiC (Q ₁)	FPM (V)	AISI316 (G)		HQ _g Q ₁ VG
from 16 bar to 25 bar	- 30°C to + 140°C		○	SiC (Q ₁)	Carbon (B)	EPDM (E)	AISI316 (G)		HQ ₁ BEG
	- 30°C to + 80°C		○	SiC (Q ₁)	Carbon (B)	FPM (V)	AISI316 (G)		HQ ₁ BVG
	- 30°C to + 140°C		○	SiC with graphite (Q _g)	SiC (Q ₁)	EPDM (E)	AISI316 (G)		HQ _g Q ₁ EG
	- 30°C to + 80°C		○	SiC with graphite (Q _g)	SiC (Q ₁)	FPM (V)	AISI316 (G)		HQ _g Q ₁ VG

Pump model	Shaft seal type		Max operating pressure	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	l [mm]
EVMS 1/3/5	Cartridge	Unbalanced	16 bar	16	-	23	27	35
		Balanced	25 bar		20			42.5
EVMS 10/15/20	Cartridge	Unbalanced	16 bar	20	-	29	35	37.5
		Balanced	25 bar		24			45



Type Key

TYPE KEY EVMS(.)1-3-5-10-15-20



Example for **pump with motor**:
EVMS20 13F5Q1BEG E/15

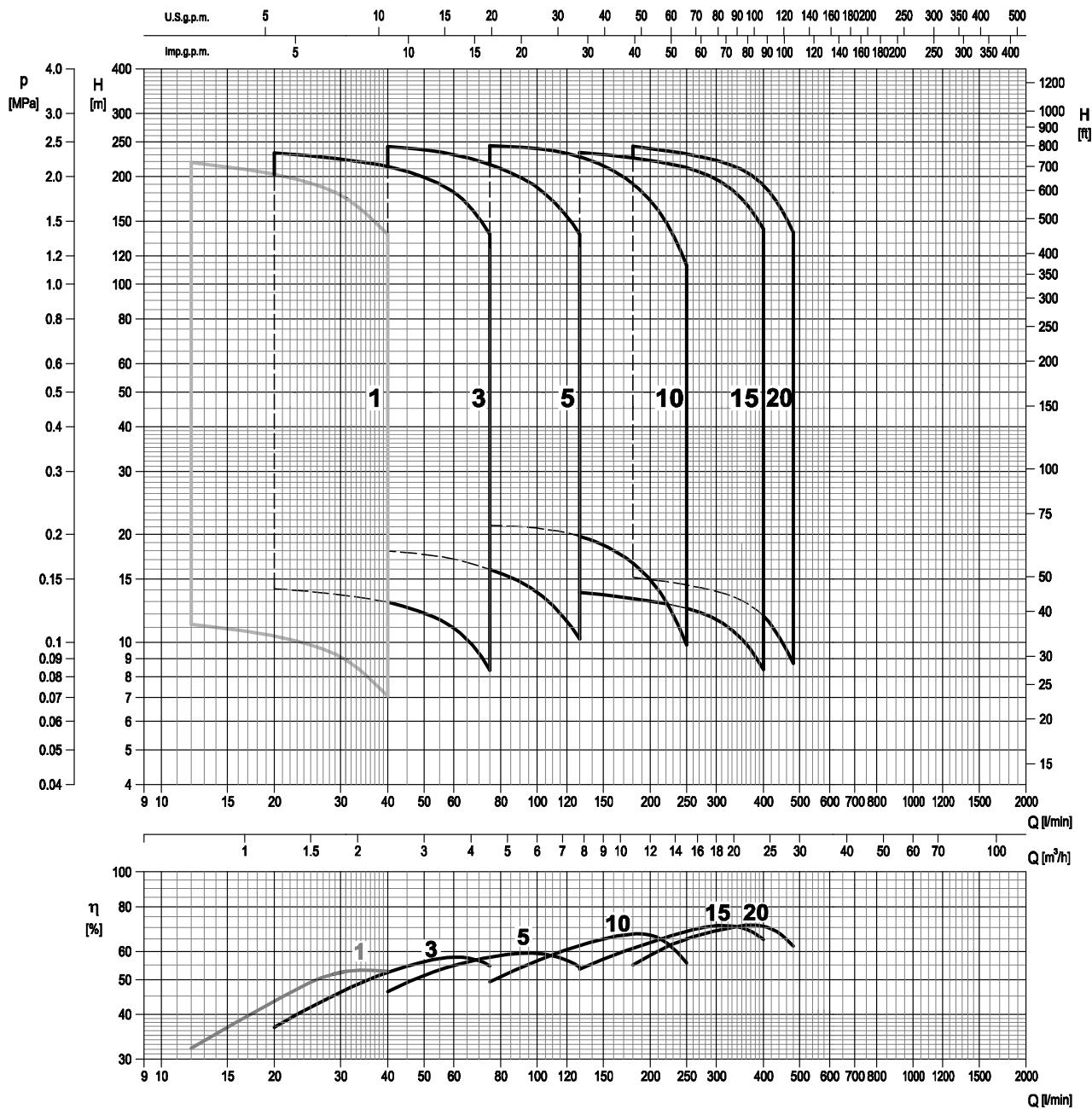
NAMEPLATE

 EBARA Pumps Europe S.p.A. Via Campo Sportivo, 30 38093 Cales (TN), ITALY Phone +39 0444 706811 V.A.T.: 01234980221		 MADE IN ITALY	
TYPE			
⊕ P/N'		⊕	
Hmax	m	Hmin	m
Q	l/min	H	m
P2	kW	HP	
Hz		min ⁻¹	
MEI >		Hyd. eff.	%

"TYPE"	Pump model
"P/N"	Pump item number
"Hmax"	Maximum head
"Hmin"	Minimum head
"Q"	Indicates upper and lower flow rate limit
"H"	Indicates head limits corresponding to minimum and maximum flow rate
"P2"	Rated power of the motor (output at shaft)
"HP"	Rated power of the motor expressed in HP (Horse Power)
"Hz"	Frequency
"min-1"	Speed of rotation
"MEI"	Index of the pump's quality in relation to its efficiency
"Hyd. Eff."	Hydraulic efficiency of the pump

Performance Range

PERFORMANCE RANGE EVMS(.).1-3-5-10-15-20



Curve specifications

CURVE SPECIFICATIONS

The specifications below qualify the curves shown on the following pages

Tolerances according to ISO 9906:2012 - Grade 3B.

Performance curves are based on 2900 rpm (nominal rotation speed of the motor)

Measurements were carried out with clean water at 20°C of temperature and with a kinematic viscosity of $\nu = 1 \text{ mm}^2/\text{s}$ (1 cSt).

The NPSH curve is an average curve obtained in the same conditions of performance curves.

During the pump selection, consider selecting with a safety margin of at least 0.5 m.

The continuous curves indicate the recommended working range. The dotted curve is only a guide.

In order to avoid the risk of over-heating, the pumps should not be used at a flow rate below 10% of best efficiency point.

Symbols explanation:

Q	-	volume flow rate
H	-	total head
P_2	-	pump power input (shaft power)
η	-	pump efficiency
NPSH	-	net positive suction head required by the pump
MEI	-	minimum efficiency index
$\varnothing D_2$	-	P_2 with full diameter
$\varnothing D_2^*$	-	P_2 with reduced diameter

The minimum efficiency index (MEI) is a measure of the quality of a pump size in respect to its mean efficiency. The minimum efficiency index is based on the hydraulic efficiency and on the head at the best efficiency point.

The minimum efficiency index (MEI) is based on the full impeller diameter.

Information on benchmark efficiency is available at: www.europump.org (Ecodesign section)

Information on benchmark efficiency graph for MEI = 0.7 for the pump are available at www.europump.org/efficiencychart (refer to "Multistage Vertical 2900 rpm")

Minimum efficiency index (MEI)

Pump type	MEI
EVMS(.)1	> 0.70
EVMS(.)3	> 0.70
EVMS(.)5	> 0.70
EVMS(.)10	> 0.70
EVMS(.)15	> 0.70
EVMS(.)20	> 0.70

Selection Chart

SELECTION CHART EVMS(.)1-3-5

	Pump Type		Motor			Maximum working pressure (MPa)	Q=Capacity										
							kW	HP	Size	l/min	0	12	20	30	40	60	75
	Single phase	Three phase	m ³ /h	0	0.72					1.2	1.8	2.4	3.6	4.5	6	7.8	
													H=Total manometric head in meters				
1	EVMS(.)1 2/0.37M	EVMS1 2/0.37	0.37	0.5	71	1.6	11.9	11.2	10.4	9.1	7.1	-	-	-	-		
	EVMS(.)1 3/0.37M	EVMS1 3/0.37	0.37	0.5	71		17.9	16.8	15.6	13.6	10.6	-	-	-	-		
	EVMS(.)1 4/0.37M	EVMS1 4/0.37	0.37	0.5	71		23.8	22.4	20.8	18.2	14.2	-	-	-	-		
	EVMS(.)1 5/0.37M	EVMS1 5/0.37	0.37	0.5	71		30	28	26	22.7	17.7	-	-	-	-		
	EVMS(.)1 6/0.37M	EVMS1 6/0.37	0.37	0.5	71		35.8	33.6	31.2	27.3	21.2	-	-	-	-		
	EVMS(.)1 7/0.37M	EVMS1 7/0.37	0.37	0.5	71		41.5	39.2	36.4	31.8	24.8	-	-	-	-		
	EVMS(.)1 8/0.37M	EVMS1 8/0.37	0.37	0.5	71		47.5	44.5	41.5	36.4	28.3	-	-	-	-		
	EVMS(.)1 9/0.55M	EVMS1 9/0.55	0.55	0.75	71		53.5	50.5	47	41	31.8	-	-	-	-		
	EVMS(.)1 10/0.55M	EVMS1 10/0.55	0.55	0.75	71		59.6	56	52	45.5	35.4	-	-	-	-		
	EVMS(.)1 11/0.55M	EVMS1 11/0.55	0.55	0.75	71		65.5	61.5	57	50	38.9	-	-	-	-		
	EVMS(.)1 12/0.55M	EVMS1 12/0.55	0.55	0.75	71		71.5	67	62.5	54.5	42.5	-	-	-	-		
	EVMS(.)1 13/0.55M	EVMS1 13/0.55	0.55	0.75	71		77.5	73	67.5	59	46	-	-	-	-		
	EVMS(.)1 14/0.75M	EVMS1 14/0.75	0.75	1	80		83.5	78.5	73	63.5	49.5	-	-	-	-		
	EVMS(.)1 16/0.75M	EVMS1 16/0.75	0.75	1	80		95.5	89.5	83	72.5	56.5	-	-	-	-		
	EVMS(.)1 18/1.1M	EVMS1 18/1.1	1.1	1.5	80		107	101	93.5	82	63.5	-	-	-	-		
	EVMS(.)1 20/1.1M	EVMS1 20/1.1	1.1	1.5	80		119	112	104	91	71	-	-	-	-		
	EVMS(.)1 22/1.1M	EVMS1 22/1.1	1.1	1.5	80		131	123	114	100	78	-	-	-	-		
	EVMS(.)1 24/1.1M	EVMS1 24/1.1	1.1	1.5	80		143	135	125	109	85	-	-	-	-		
	EVMS(.)1 26/1.1M	EVMS1 26/1.1	1.1	1.5	80		155	146	135	118	92	-	-	-	-		
	EVMS(.)1 27/1.5M	EVMS1 27/1.5	1.5	2	90 S		161	151	140	123	95.5	-	-	-	-		
	EVMS(.)1 29/1.5M	EVMS1 29/1.5	1.5	2	90 S		173	163	151	132	103	-	-	-	-		
	EVMS(.)1 32/1.5M	EVMS1 32/1.5	1.5	2	90 S		191	179	166	145	113	-	-	-	-		
	EVMS(.)1 34/1.5M	EVMS1 34/1.5	1.5	2	90 S		203	191	177	155	120	-	-	-	-		
	EVMS(.)1 37/2.2M	EVMS1 37/2.2	2.2	3	90 L		221	207	192	168	131	-	-	-	-		
	EVMS(.)1 39/2.2M	EVMS1 39/2.2	2.2	3	90 L		232	219	203	177	138	-	-	-	-		
	3	EVMS(.)3 2/0.37M	EVMS3 2/0.37	0.37	0.5		71	1.6	14.7	-	14.1	13.6	12.9	10.9	8.3	-	-
		EVMS(.)3 3/0.37M	EVMS3 3/0.37	0.37	0.5		71		22.1	-	21.1	20.4	19.4	16.4	12.5	-	-
		EVMSflk3 4/0.37M	EVMS3 4/0.37	0.37	0.5		71		29.5	-	28.2	27.1	25.8	21.9	16.7	-	-
EVMS(.)3 5/0.55M		EVMS3 5/0.55	0.55	0.75	71	36.9	-		35.2	33.9	32.3	27.4	20.9	-	-		
EVMSflk3 6/0.55M		EVMS3 6/0.55	0.55	0.75	71	44.2	-		42.5	40.5	38.8	32.8	25	-	-		
EVMS(.)3 7/0.75M		EVMS3 7/0.75	0.75	1	80	51.5	-		49.5	47.5	45	38.3	29.2	-	-		
EVMSflk3 8/0.75M		EVMS3 8/0.75	0.75	1	80	59	-		56.5	54.5	51.5	44	33.4	-	-		
EVMS(.)3 9/1.1M		EVMS3 9/1.1	1.1	1.5	80	66.5	-		63.5	61	58	49	37.6	-	-		
EVMSflk3 10/1.1M		EVMS3 10/1.1	1.1	1.5	80	73.5	-		70.5	68	64.5	54.5	41.5	-	-		
EVMS(.)3 11/1.1M		EVMS3 11/1.1	1.1	1.5	80	81	-		77.5	74.5	71	60	46	-	-		
EVMSflk3 12/1.1M		EVMS3 12/1.1	1.1	1.5	80	88.5	-		84.5	81.5	77.5	65.5	50	-	-		
EVMS(.)3 13/1.5M		EVMS3 13/1.5	1.5	2	90 S	96	-		91.5	88	84	71	54.5	-	-		
EVMSflk3 14/1.5M		EVMS3 14/1.5	1.5	2	90 S	103	-		98.5	95	90.5	76.5	58.5	-	-		
EVMS(.)3 15/1.5M		EVMS3 15/1.5	1.5	2	90 S	111	-		106	102	97	82	62.5	-	-		
EVMSflk3 16/1.5M		EVMS3 16/1.5	1.5	2	90 S	118	-		113	109	103	87.5	67	-	-		
EVMS(.)3 17/2.2M		EVMS3 17/2.2	2.2	3	90 L	125	-		120	115	110	93	71	-	-		
EVMS(.)3 19/2.2M		EVMS3 19/2.2	2.2	3	90 L	140	-		134	129	123	104	79.5	-	-		
EVMSflk3 21/2.2M		EVMS3 21/2.2	2.2	3	90 L	155	-		148	142	136	115	87.5	-	-		
EVMS(.)3 23/2.2M		EVMS3 23/2.2	2.2	3	90 L	170	-		162	156	149	126	96	-	-		
EVMSflk3 24/2.2M		EVMS3 24/2.2	2.2	3	90 L	177	-		169	163	155	131	100	-	-		
-		EVMS3 25/3.0	3.0	4	100 L	184	-		176	170	161	137	104	-	-		
-		EVMS3 27/3.0	3.0	4	100 L	199	-		190	183	174	148	113	-	-		
-		EVMS3 29/3.0	3.0	4	100 L	214	-		204	197	187	159	121	-	-		
-		EVMS3 31/3.0	3.0	4	100 L	229	-		218	210	200	170	129	-	-		
-		EVMS3 33/3.0	3.0	4	100 L	243	-		232	224	213	181	138	-	-		
5		EVMS(.)5 2/0.37M	EVMS5 2/0.37	0.37	0.5	71	1.6		19	-	-	-	18	17.1	16	13.8	10.2
		EVMSflk5 3/0.55M	EVMS5 3/0.55	0.55	0.75	71			28.4	-	-	-	26.9	25.6	23.9	20.7	15.3
		EVMSflk5 4/0.75M	EVMS5 4/0.75	0.75	1	80			37.9	-	-	-	35.9	34.1	31.9	27.6	20.4
	EVMSflk5 5/1.1M	EVMS5 5/1.1	1.1	1.5	80	47.5		-	-	-	45	42.5	39.9	34.5	25.5		
	EVMS(.)5 6/1.5M	EVMS5 6/1.5	1.5	2	90 S	57		-	-	-	54	51	48	41.5	30.6		
	EVMSflk5 7/1.5M	EVMS5 7/1.5	1.5	2	90 S	66.5		-	-	-	63	59.5	56	48.5	35.7		
	EVMS(.)5 8/2.2M	EVMS5 8/2.2	2.2	3	90 L	76		-	-	-	72	68	64	55	41		
	EVMSflk5 9/2.2M	EVMS5 9/2.2	2.2	3	90 L	85.5		-	-	-	81	77	72	62	46		
	EVMS(.)5 10/2.2M	EVMS5 10/2.2	2.2	3	90 L	95		-	-	-	90	85.5	80	69	51		
	EVMSflk5 11/2.2M	EVMS5 11/2.2	2.2	3	90 L	104		-	-	-	98.5	94	87.5	76	56		
	-	EVMS5 12/3.0	3.0	4	100 L	114		-	-	-	108	102	95.5	83	61		
	EVMS5 13/3.0M	EVMS5 13/3.0	3.0	4	100 L	123		-	-	-	117	111	104	89.5	66.5		
	-	EVMS5 14/3.0	3.0	4	100 L	133		-	-	-	126	119	112	96.5	71.5		
	EVMS5 15/3.0M	EVMS5 15/3.0	3.0	4	100 L	142		-	-	-	135	128	120	104	76.5		
	-	EVMS5 17/4.0	4.0	5.5	112 M	161		-	-	-	153	145	136	117	86.5		
	-	EVMS5 19/4.0	4.0	5.5	112 M	180		-	-	-	171	162	152	131	97		
	EVMS5 20/4.0	EVMS5 20/4.0	4.0	5.5	112 M	190		-	-	-	179	171	160	138	102		
	-	EVMS5 23/5.5	5.5	7.5	132 S	218		-	-	-	206	196	183	159	117		
	-	EVMS5 25/5.5	5.5	7.5	132 S	237		-	-	-	224	213	199	173	127		
	-	EVMS5 27/5.5	5.5	7.5	132 S	256		-	-	-	242	230	215	186	138		

Selection Chart

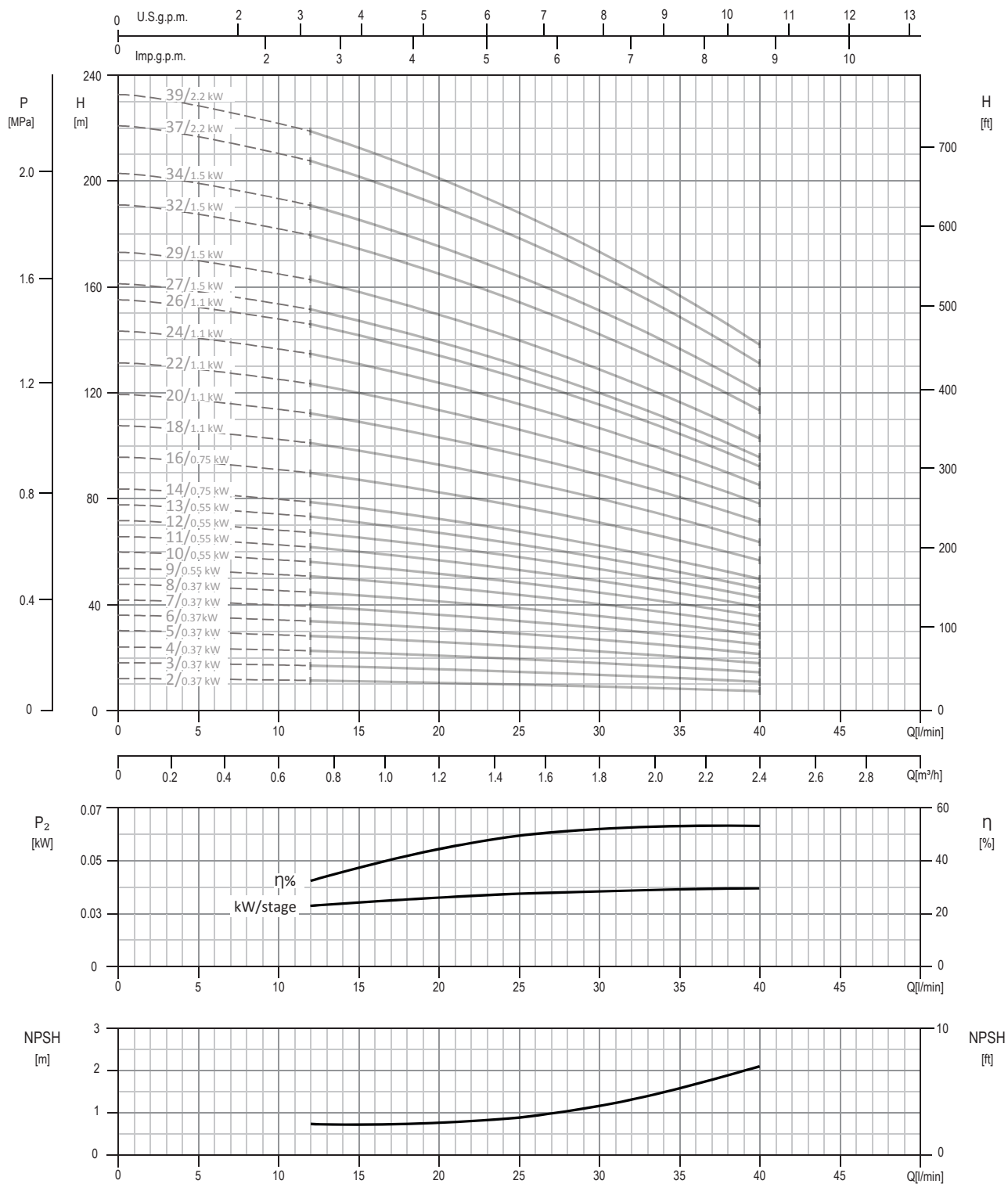
SELECTION CHART EVMS(.)10-15-20

Pump Type	Motor kW HP Size	Maximum working pressure (MPa)	Q=Capacity																						
			H=Total manometric head in meters																						
			0	75	100	130	150	180	200	250	300	350	400	450	480										
Single phase	Three phase		0	4.5	6.0	7.8	9.0	10.8	12.0	15.0	18.0	21.0	24.0	27.0	28.8										
10	EVMS(.)10 2/ 0.7 5M	EVMS(.)10 2/ 0.7 5	0.75	1	0	21.8	21.2	20.8	19.7	18.7	16.6	14.9	9.8	-	-	-	-	-	-						
	EVMS(.)10 3/1.5M	EVMS(.)10 3/1.5	1.5	2	90 S	32.7	31.8	31.2	29.6	28.0	24.9	22.4	14.7	-	-	-	-	-	-						
	EVMS(.)10 4/2.2M	EVMS(.)10 4/2.2	2.2	3	90 L	43.6	42.4	41.7	39.5	37.3	33.2	29.8	19.6	-	-	-	-	-	-						
	EVMS(.)10 5/2.2M	EVMS(.)10 5/2.2	2.2	3	90 L	54.5	53	52	49.3	46.7	41.5	37.3	24.6	-	-	-	-	-	-						
	EVMS(.)10 6/2.2M	EVMS(.)10 6/2.2	2.2	3	90 L	65.5	63.5	62.5	59	56	50	45	29.5	-	-	-	-	-	-						
	-	EVMS(.)10 7/3.0	3.0	4	100 L	76.5	74	73	69	65.5	58	52	34.4	-	-	-	-	-	-						
	EVMS(.)10 8/3.0M	EVMS(.)10 8/3.0	3.0	4	100 L	87.0	84.5	83.5	79	74.5	66.5	59.5	39.3	-	-	-	-	-	-						
	-	EVMS(.)10 9/4.0	4.0	5.5	112 M	98	95.5	93.5	89	84	74.5	67	44	-	-	-	-	-	-						
	-	EVMS(.)10 10/4.0	4.0	5.5	112 M	109	106	104	98.5	93.5	83	74.5	49	-	-	-	-	-	-						
	-	EVMS(.)10 11/4.0	4.0	5.5	112 M	120	116	115	109	103	91.5	82	54	-	-	-	-	-	-						
	-	EVMS(.)10 12/5.5	5.5	7.5	132 S	131	127	125	118	112	99.5	89.5	59	-	-	-	-	-	-						
	-	EVMS(.)10 14/5.5	5.5	7.5	132 S	153	148	146	138	131	116	104	68.5	-	-	-	-	-	-						
	-	EVMS(.)10 15/5.5	5.5	7.5	132 S	163	159	156	148	140	124	112	73.5	-	-	-	-	-	-						
	-	EVMS(.)10 16/7.5	7.5	10	132 S	174	169	167	158	149	133	119	78.5	-	-	-	-	-	-						
	-	EVMS(.)10 18/7.5	7.5	10	132 S	196	191	187	178	168	149	134	88.5	-	-	-	-	-	-						
	-	EVMS(.)10 19/7.5	7.5	10	132 S	207	201	198	188	177	158	142	93.5	-	-	-	-	-	-						
	-	EVMS(.)10 21/7.5	7.5	10	132 S	229	222	219	207	196	174	157	103	-	-	-	-	-	-						
	-	EVMS(.)10 22/11	11	15	160 M	240	233	229	217	205	183	164	108	-	-	-	-	-	-						
-	EVMS(.)10 23/11	11	15	160 M	251	244	240	227	215	191	172	113	-	-	-	-	-	-							
15	EVMS(.)15 1/1.1M	EVMS(.)15 1/1.1	1.1	1.5	80	14.9	-	-	13.3	13	12.4	12.1	10.8	9.5	7.5	4.8	-	-							
	EVMS(.)15 2/2.2M	EVMS(.)15 2/2.2	2.2	3	90 L	29.5	-	-	27.5	27.1	26	26.1	24.9	23.1	20.4	16.8	-	-							
	EVMS(.)15 3/3.0M	EVMS(.)15 3/3.0	3.0	4	100 L	44.5	-	-	41.5	40.5	39.7	39.1	37.3	34.7	30.6	25.2	-	-							
	-	EVMS(.)15 4/4.0	4.0	5.5	112 M	59	-	-	55	54.5	53	52	50	46.5	41	33.6	-	-							
	-	EVMS(.)15 5/5.5	5.5	7.5	132 S	73.5	-	-	69	68	66	65	62	58	51	42	-	-							
	-	EVMS(.)15 6/5.5	5.5	7.5	132 S	88.5	-	-	82.5	81.5	79.5	78	74.5	69.5	61	50.5	-	-							
	-	EVMS(.)15 7/7.5	7.5	10	132 S	103	-	-	96.5	95.0	92.5	91	87	81	71.5	58.5	-	-							
	-	EVMS(.)15 8/7.5	7.5	10	132 S	118	-	-	110	109	106	104	99.5	92.5	81.5	67	-	-							
	-	EVMS(.)15 9/11	11	15	160 M	133	-	-	124	122	119	117	112	104	92	75.5	-	-							
	-	EVMS(.)15 10/11	11	15	160 M	147	-	-	138	136	132	130	124	116	102	84	-	-							
	-	EVMS(.)15 11/11	11	15	160 M	162	-	-	151	149	146	143	137	127	112	92.5	-	-							
	-	EVMS(.)15 12/11	11	15	160 M	177	-	-	165	163	159	156	149	139	122	101	-	-							
-	EVMS(.)15 13/11	11	15	160 M	191	-	-	179	176	172	169	162	150	133	109	-	-								
-	EVMS(.)15 15/15	15	20	160 M	221	-	-	206	203	199	195	187	174	153	126	-	-								
-	EVMS(.)15 17 / 15	15	20	160 M	250	-	-	23	231	225	221	211	19	17	14	-	-								
20	EVMS(.)20 1/1.5M	EVMS(.)20 1/1.5	1.5	2	90 S	17.2	-	-	-	-	14.3	13.9	12.8	11.3	9.6	7.3	4.3	2.4							
	EVMS(.)20 2/3.0M	EVMS(.)20 2/3.0	3.0	4	100 L	33.7	-	-	-	-	30.4	29.9	28.9	27.7	26.2	23.6	19.9	17.4							
	-	EVMS(.)20 3/4.0	4.0	5.5	112 M	50.5	-	-	-	-	46	45	43.4	41.6	39.2	35.5	29.9	26.2							
	-	EVMS(.)20 4/5.5	5.5	7.5	132 S	67.4	-	-	-	-	61	60	58	55.4	52.3	47.3	39.8	34.9							
	-	EVMS(.)20 5/7.5	7.5	10	132 S	84.2	-	-	-	-	76.0	75	72.3	69.3	65.4	59	49.8	43.6							
	-	EVMS(.)20 6/7.5	7.5	10	132 S	101	-	-	-	-	91.2	90	87	83.1	78.5	71	59.7	52.3							
	-	EVMS(.)20 7/11	11	15	160 M	118	-	-	-	-	106	105	101	97	91.5	82.7	70	61.1							
	-	EVMS(.)20 8/11	11	15	160 M	135	-	-	-	-	122	120	116	111	105	95	80	70							
	-	EVMS(.)20 9/11	11	15	160 M	152	-	-	-	-	137	135	130	125	118	106	89.6	79							
	-	EVMS(.)20 10/11	11	15	160 M	168	-	-	-	-	152	150	145	139	131	118	100	87							
	-	EVMS(.)20 11/15	15	20	160 M	185	-	-	-	-	167	165	159	152	144	130	110	96							
	-	EVMS(.)20 12/15	15	20	160 M	202	-	-	-	-	182	179	173	166	157	142	119	105							
	-	EVMS(.)20 13/15	15	20	160 M	219	-	-	-	-	198	194	188	180	170	154	129	113							
	-	EVMS(.)20 14/18.5	18.5	25	160 L	236	-	-	-	-	213	209	202	194	183	166	139	122							
	-	EVMS(.)20 15/18.5	18.5	25	160 L	253	-	-	-	-	228	224	217	208	196	177	149	131							
-	EVMS(.)20 16/18.5	18.5	25	160 L	270	-	-	-	-	243	239	231	222	209	189	159	140								

1.6 MPa=16 bar ; 2.5 MPa=25 bar

Performance Curve

PERFORMANCE CURVE EVMS(L)1

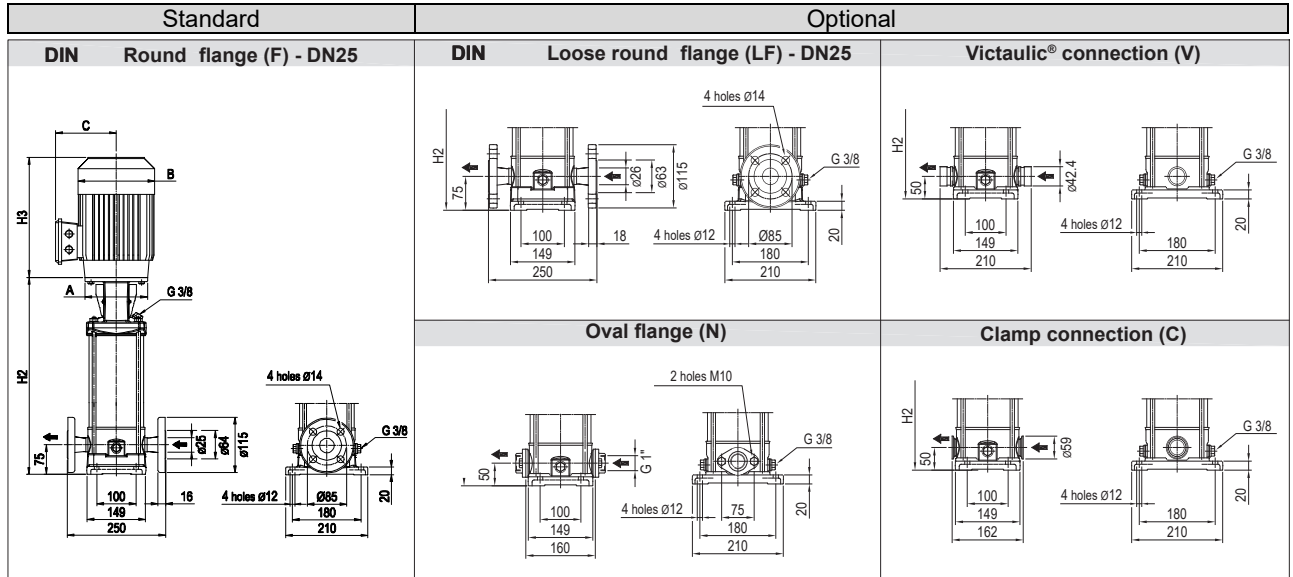


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMS(L)1

Dimensional sketch

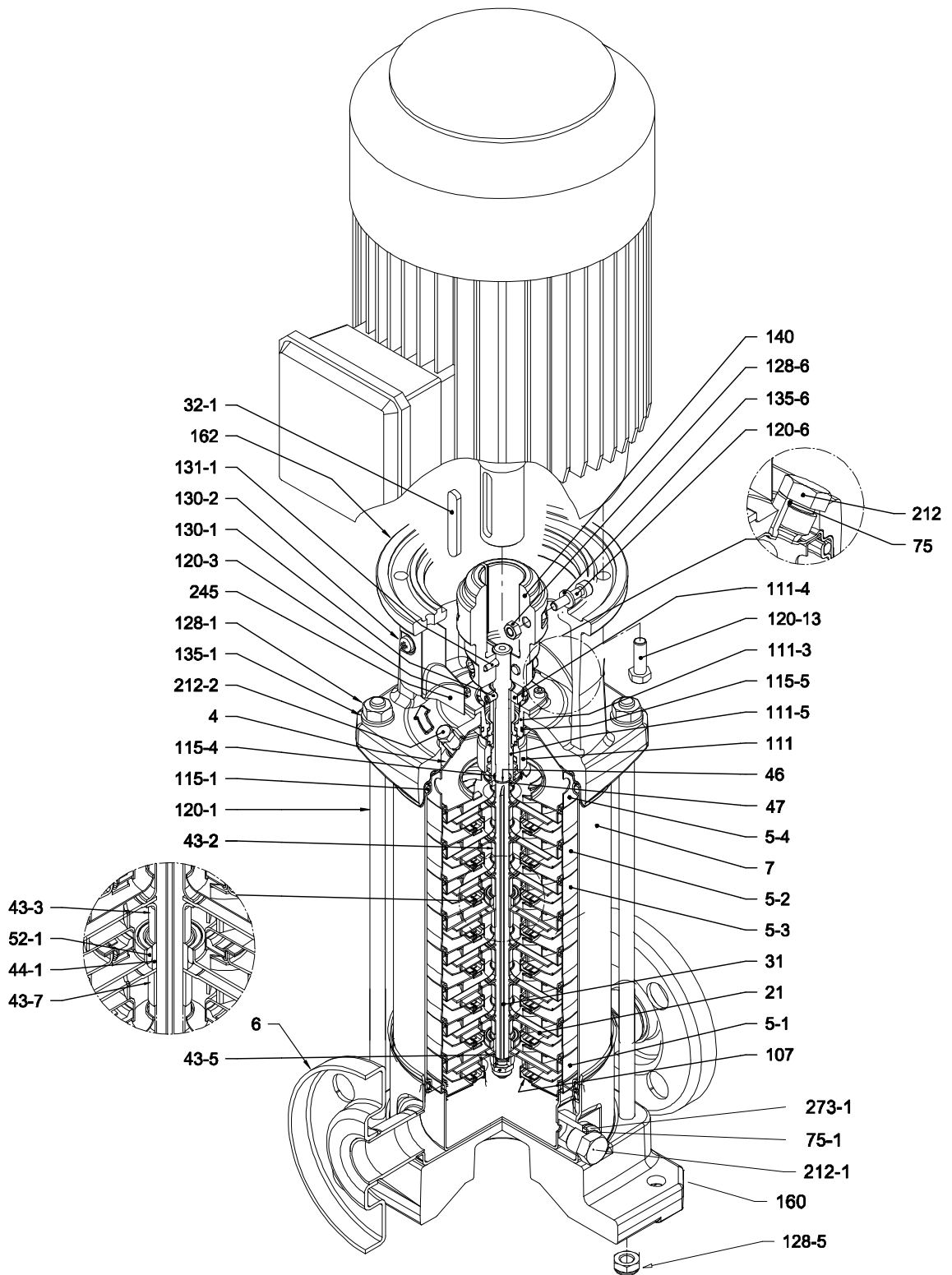


Dimensions [mm] and Weights [Kg]

Pump type	Pmax [MPa]	kW	Size	Motor									Round flange (F) Loose round flange (LF)				Oval flange (N)				Victaulic® connection (V) Clamp connection (C)			
				1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor				
				A Ø	B	C	H3	B	C	H3			1~	3~			1~	3~			1~	3~		
EVMS1 2/0.37	1.6	0.37	71	105	145	125	225	139	127	218	275	10.4	17.4	20.9	250	9.7	16.7	20.2	250	9.7	16.7	20.2		
EVMS1 3/0.37	1.6	0.37	71	105	145	125	225	139	127	218	296	10.9	17.9	21.4	271	10.2	17.2	20.7	271	10.2	17.2	20.7		
EVMS1 4/0.37	1.6	0.37	71	105	145	125	225	139	127	218	317	11.3	18.3	21.8	292	10.6	17.6	21.1	292	10.6	17.6	21.1		
EVMS1 5/0.37	1.6	0.37	71	105	145	125	225	139	127	218	338	11.8	18.8	22.3	313	11.1	18.1	21.6	313	11.1	18.1	21.6		
EVMS1 6/0.37	1.6	0.37	71	105	145	125	225	139	127	218	359	12.2	19.2	22.7	334	11.5	18.5	22	334	11.5	18.5	22		
EVMS1 7/0.37	1.6	0.37	71	105	145	125	225	139	127	218	380	12.6	19.6	23.1	355	11.9	18.9	22.4	355	11.9	18.9	22.4		
EVMS1 8/0.37	1.6	0.37	71	105	145	125	225	139	127	218	401	13.1	21.1	23.6	376	12.4	19.4	22.9	376	12.4	19.4	22.9		
EVMS1 9/0.55	1.6	0.55	71	105	145	125	225	139	127	218	422	13.5	21.5	24.5	397	12.8	20.8	23.8	397	12.8	20.8	23.8		
EVMS1 10/0.55	1.6	0.55	71	105	145	125	225	139	127	218	443	13.9	21.9	24.9	418	13.2	21.2	24.2	418	13.2	21.2	24.2		
EVMS1 11/0.55	1.6	0.55	71	105	145	125	225	139	127	218	464	14.4	22.4	25.4	439	13.7	21.7	24.7	439	13.7	21.7	24.7		
EVMS1 12/0.55	1.6	0.55	71	105	145	125	225	139	127	218	485	15.1	23.1	26.1	460	14.4	22.4	25.4	460	14.4	22.4	25.4		
EVMS1 13/0.55	1.6	0.55	71	105	145	125	225	139	127	218	506	15.7	23.7	26.7	481	15	23	26	481	15	23	26		
EVMS1 14/0.75	1.6	0.75	80	120	145	163	286	157	136	236	537	16.4	34.4	29.9	512	15.7	33.7	29.2	512	15.7	33.7	29.2		
EVMS1 16/0.75	1.6	0.75	80	120	145	163	286	157	136	236	579	17.4	35.4	30.9	554	16.7	34.7	30.2	554	16.7	34.7	30.2		
EVMS1 18/1.1	1.6	1.1	80	120	145	163	286	157	136	236	621	18.5	37.5	33.5	596	17.8	36.8	32.8	596	17.8	36.8	32.8		
EVMS1 20/1.1	1.6	1.1	80	120	145	163	286	157	136	236	663	19.5	38.5	34.5	638	18.8	37.8	33.8	638	18.8	37.8	33.8		
EVMS1 22/1.1	1.6	1.1	80	120	145	163	286	157	136	236	705	20.7	39.7	35.7	680	20	39	35	680	20	39	35		
EVMS1 24/1.1	1.6	1.1	80	120	145	163	286	157	136	236	747	21.7	40.7	36.7	722	21	40	36	722	21	40	36		
EVMS1 26/1.1	1.6	1.1	80	120	145	163	286	157	136	236	789	22.7	41.7	37.7	764	22	41	37	764	22	41	37		
EVMS1 27/1.5	2.5	1.5	90 S	140	155	182	284	177	155	279	820	23.1	47.1	44.6	-	-	-	-	795	22.4	46.4	43.9		
EVMS1 29/1.5	2.5	1.5	90 S	140	155	182	284	177	155	279	862	24.1	48.1	45.6	-	-	-	-	837	23.4	47.4	44.9		
EVMS1 32/1.5	2.5	1.5	90 S	140	155	182	284	177	155	279	925	25.4	49.4	46.9	-	-	-	-	900	24.7	48.7	46.2		
EVMS1 34/1.5	2.5	1.5	90 S	140	155	182	284	177	155	279	967	26.3	50.3	47.8	-	-	-	-	942	25.6	49.6	47.1		
EVMS1 37/2.2	2.5	2.2	90 L	140	181	182	308	177	155	279	1030	27.7	54.7	52.2	-	-	-	-	1005	27	54	51.5		
EVMS1 39/2.2	2.5	2.2	90 L	140	181	182	308	177	155	279	1072	28.7	55.7	53.2	-	-	-	-	1047	28	55	52.5		

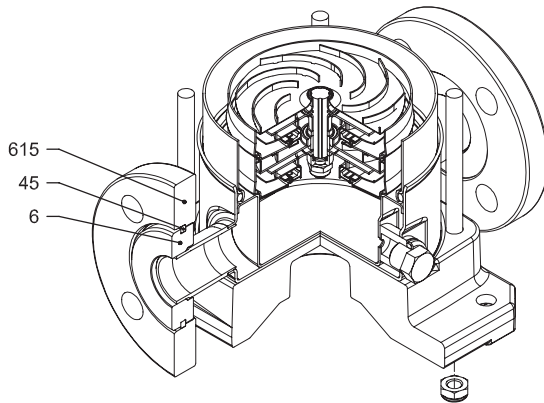
Sectional View

SECTIONAL VIEW
EVMS(L)1

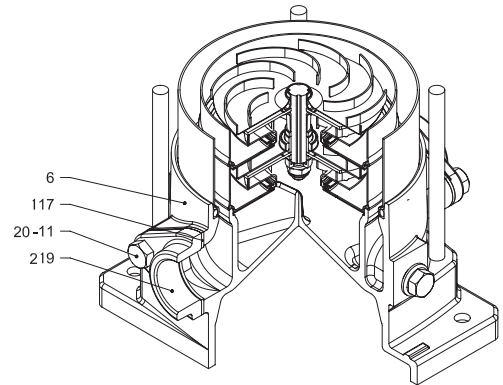


Pipe connection

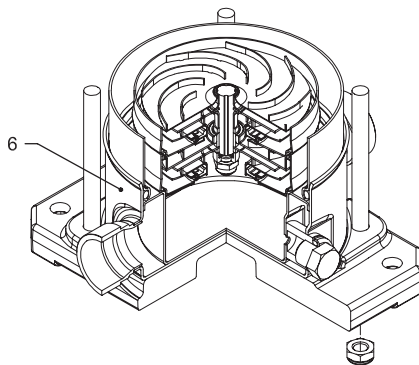
PIPE CONNECTION EVMS(L)1 (Optional on request)



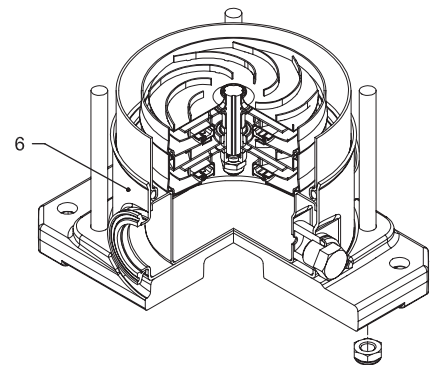
with Loose round flange (LF)



with Oval flange (N)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)1

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-7	Spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing	Tungsten carbide EN			
45	Flange holder	1.4301 (AISI 304) EN			
46	Ring (mechanical seal)	1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø129.54x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø32.99x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M10	
120-3	Screw (seal lange)	A2-70		M4x10	ISO 4762
120-6	Screw (pump coupling)	Galvanized steel		M6x25	ISO 4762
120-11	Screw (counter lange)	A2-70			
120-13	Screw for motor	MEC 71-80 MEC 90	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20	ISO 4017 ISO 4017
128-1	Nut (tie rod)	A2-70		M10	ISO 4032
128-5	Nut (tie rod)	A2-70		M10	UNI 7474
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
160	Base	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N lange type: LF-F-V-C	EN 1.4308 (ASTM CF8) EN 1.4301 (AISI 304)	EN 1.4408 (ASTM CF8M) EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Nodular Cast Iron			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)1

Pump Type	N°																															
	4	5-1	52	53	54	6	7	21	31	32-1	432	433	435	437	44-1	45*	46	47	48	52-1	75	75-1	107	111	1113	1114	1115	115-1	1153	1154	1155	
EVMS(L)1 2/0.37	1	1	/	1	1	1	1	2	1	1	1	/	/	1	4	2	1	1	1	1	2	2	1	1	1	1	1	2	2	1	1	1
EVMS(L)1 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	4	2	1	1	1	1	2	3	1	1	1	1	1	2	2	1	1
EVMS(L)1 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1	
EVMS(L)1 5/0.37	1	1	3	1	1	1	1	5	1	1	7	1	/	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1	
EVMS(L)1 6/0.37	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1	
EVMS(L)1 7/0.37	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1	
EVMS(L)1 8/0.37	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1	
EVMS(L)1 9/0.55	1	1	7	1	1	1	1	9	1	1	15	1	/	/	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1	
EVMS(L)1 10/0.55	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1	
EVMS(L)1 11/0.55	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1	
EVMS(L)1 12/0.55	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	4	2	1	1	1	1	2	12	1	1	1	1	2	2	1	1	
EVMS(L)1 13/0.55	1	1	10	2	1	1	1	13	1	1	20	2	/	/	1	4	2	1	1	1	2	13	1	1	1	1	2	2	1	1		
EVMS(L)1 14/0.75	1	1	11	2	1	1	1	14	1	1	22	2	/	/	1	2	4	2	1	1	2	14	1	1	1	1	2	2	1	1		
EVMS(L)1 16/0.75	1	1	13	2	1	1	1	16	1	1	26	2	/	/	1	2	4	2	1	1	2	16	1	1	1	1	2	2	1	1		
EVMS(L)1 18/1.1	1	1	15	2	1	1	1	18	1	1	30	2	/	/	1	2	4	2	1	1	2	18	1	1	1	1	2	2	1	1		
EVMS(L)1 20/1.1	1	1	17	2	1	1	1	20	1	1	34	2	/	/	1	2	4	2	1	1	2	20	1	1	1	1	2	2	1	1		
EVMS(L)1 22/1.1	1	1	19	2	1	1	1	22	1	1	38	2	/	/	1	2	4	2	1	1	2	22	1	1	1	1	2	2	1	1		
EVMS(L)1 24/1.1	1	1	21	2	1	1	1	24	1	1	42	2	/	/	1	2	4	2	1	1	2	24	1	1	1	1	2	2	1	1		
EVMS(L)1 26/1.1	1	1	23	2	1	1	1	26	1	1	46	2	/	/	1	2	4	2	1	1	2	26	1	1	1	1	2	2	1	1		
EVMS(L)1 27/1.5	1	1	24	2	1	1	1	27	1	1	48	2	/	/	1	2	4	2	1	1	2	27	1	1	1	1	2	/	1	1		
EVMS(L)1 29/1.5	1	1	26	2	1	1	1	29	1	1	52	2	/	/	1	2	4	2	1	1	2	29	1	1	1	1	2	/	1	1		
EVMS(L)1 32/1.5	1	1	29	2	1	1	1	32	1	1	58	2	/	/	1	2	4	2	1	1	2	32	1	1	1	1	2	/	1	1		
EVMS(L)1 34/1.5	1	1	31	2	1	1	1	34	1	1	62	2	/	/	1	2	4	2	1	1	2	34	1	1	1	1	2	/	1	1		
EVMS(L)1 37/2.2	1	1	34	2	1	1	1	37	1	1	68	2	/	/	1	2	4	2	1	1	2	37	1	1	1	1	2	/	1	1		
EVMS(L)1 39/2.2	1	1	36	2	1	1	1	39	1	1	72	2	/	/	1	2	4	2	1	1	2	39	1	1	1	1	2	/	1	1		

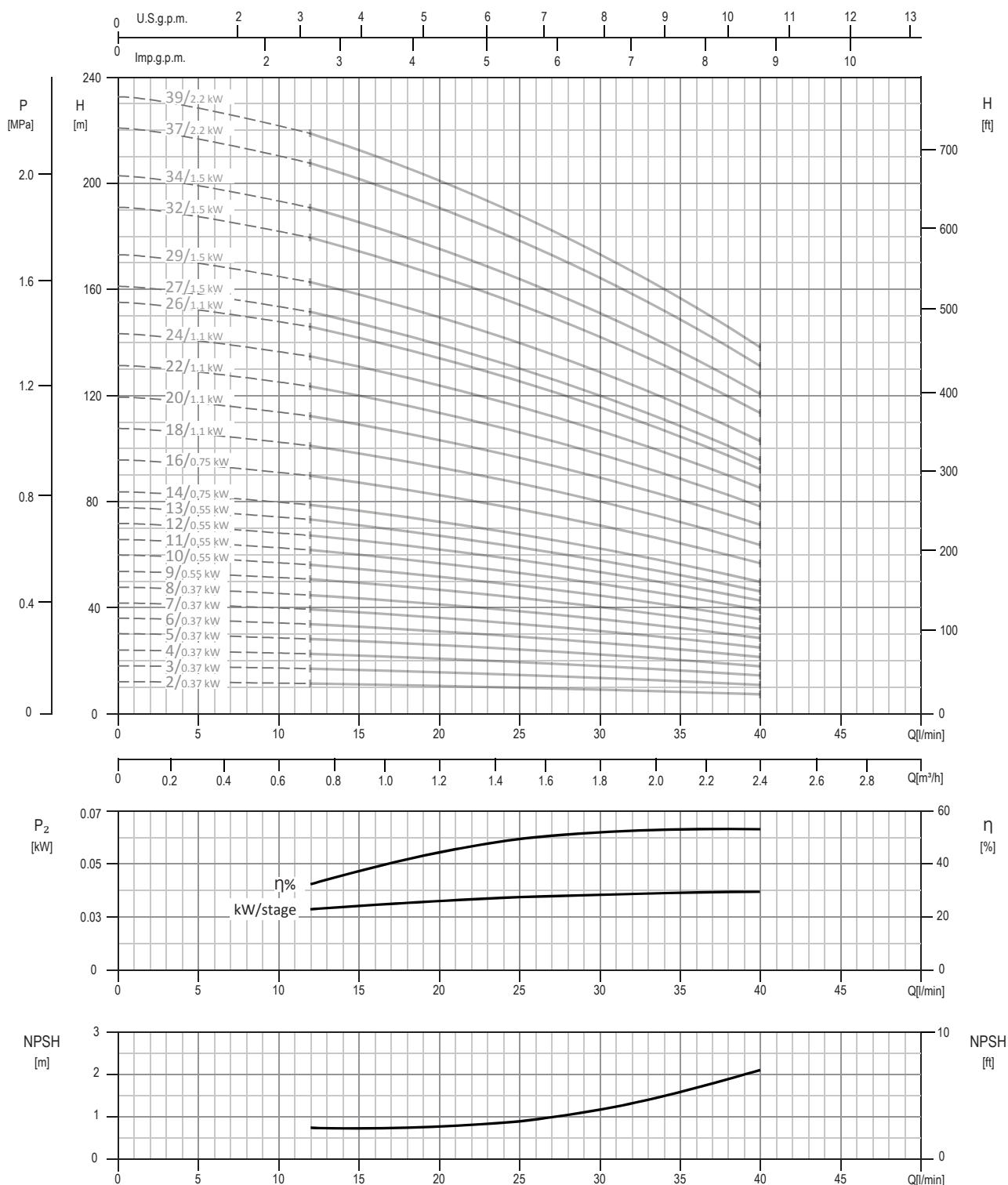
Pump Type	N°																							
	120-1	120-3	120-6	120-11*	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)1 2/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 3/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 4/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 5/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 6/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 7/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 8/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 9/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 10/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 11/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 12/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 13/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 14/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 16/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 18/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 20/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 22/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 24/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 26/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)1 27/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 29/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 32/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 34/1.5	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 37/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)1 39/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)

** only for Loose round flange (LF)

Performance Curve

PERFORMANCE CURVE EVMSG1

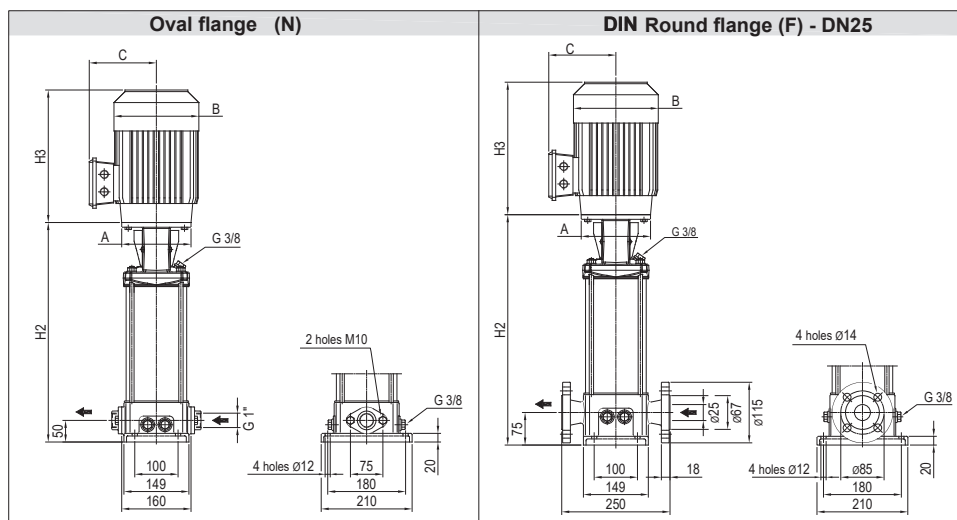


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG1

Dimensional sketch

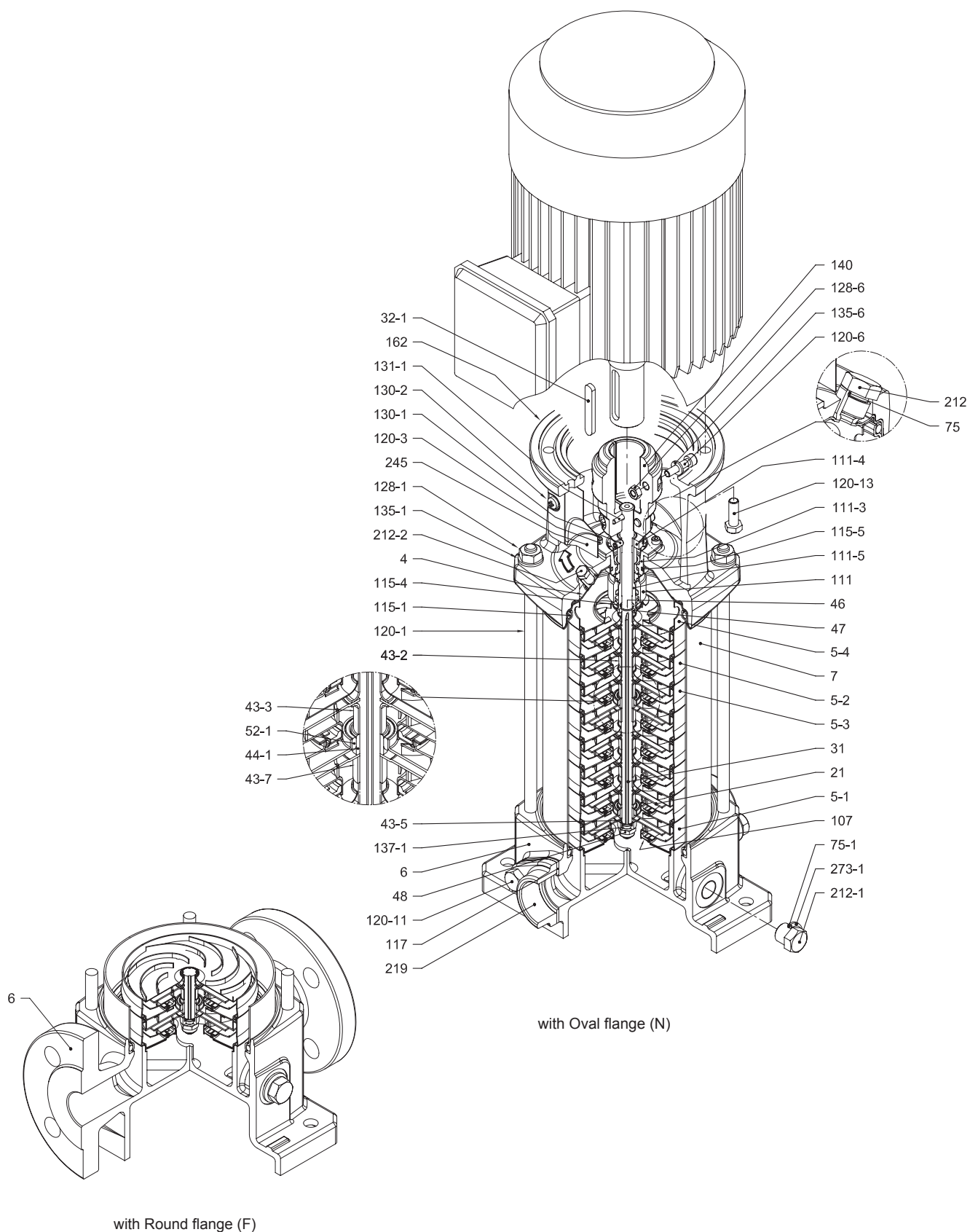


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	Motor									Round flange (F)			Oval flange (N)		
				A Ø	1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor	
					B	C	H3	B	C	H3			1~	3~			1~	3~
EVMSG1 2/0.37	1.6	0.37	71	105	145	125	225	139	127	218	275	17.4	24.4	27.9	250	14	21	24.5
EVMSG1 3/0.37	1.6	0.37	71	105	145	125	225	139	127	218	296	17.9	24.9	28.4	271	14.5	21.5	25
EVMSG1 4/0.37	1.6	0.37	71	105	145	125	225	139	127	218	317	18.3	25.3	28.8	292	14.9	21.9	25.4
EVMSG1 5/0.37	1.6	0.37	71	105	145	125	225	139	127	218	338	18.8	25.8	29.3	313	15.4	22.4	25.9
EVMSG1 6/0.37	1.6	0.37	71	105	145	125	225	139	127	218	359	19.2	26.2	29.7	334	15.8	22.8	26.3
EVMSG1 7/0.37	1.6	0.37	71	105	145	125	225	139	127	218	380	19.6	26.6	30.1	355	16.2	23.2	26.7
EVMSG1 8/0.37	1.6	0.37	71	105	145	125	225	139	127	218	401	20.1	27.1	30.6	376	16.7	23.7	27.2
EVMSG1 9/0.55	1.6	0.55	71	105	145	125	225	139	127	218	422	20.5	28.5	31.5	397	17.1	25.1	28.1
EVMSG1 10/0.55	1.6	0.55	71	105	145	125	225	139	127	218	443	20.9	28.9	31.9	418	17.5	25.5	28.5
EVMSG1 11/0.55	1.6	0.55	71	105	145	125	225	139	127	218	464	21.4	29.4	32.4	439	18	26	29
EVMSG1 12/0.55	1.6	0.55	71	105	145	125	225	139	127	218	485	22.1	30.1	33.1	460	18.7	26.7	29.7
EVMSG1 13/0.55	1.6	0.55	71	105	145	125	225	139	127	218	506	22.7	30.7	33.7	481	19.3	27.3	30.3
EVMSG1 14/0.75	1.6	0.75	80	120	145	163	286	157	136	236	537	23.4	41.4	36.9	512	20	38	33.5
EVMSG1 16/0.75	1.6	0.75	80	120	145	163	286	157	136	236	579	24.4	42.4	37.9	554	21	39	34.5
EVMSG1 18/1.1	1.6	1.1	80	120	145	163	286	157	136	236	621	25.5	44.5	40.5	596	22.1	41.1	37.1
EVMSG1 20/1.1	1.6	1.1	80	120	145	163	286	157	136	236	663	26.5	45.5	41.5	638	23.1	42.1	38.1
EVMSG1 22/1.1	1.6	1.1	80	120	145	163	286	157	136	236	705	27.7	46.7	42.7	680	24.3	43.3	39.3
EVMSG1 24/1.1	1.6	1.1	80	120	145	163	286	157	136	236	747	28.7	47.7	43.7	722	25.3	44.3	40.3
EVMSG1 26/1.1	1.6	1.1	80	120	145	163	286	157	136	236	789	29.7	48.7	44.7	764	26.3	45.3	41.3
EVMSG1 27/1.5	2.5	1.5	90	140	155	182	284	177	155	279	820	30.1	54.1	51.6	-	-	-	-
EVMSG1 29/1.5	2.5	1.5	90	140	155	182	284	177	155	279	862	31.1	55.1	52.6	-	-	-	-
EVMSG1 32/1.5	2.5	1.5	90	140	155	182	284	177	155	279	925	32.4	56.4	53.9	-	-	-	-
EVMSG1 34/1.5	2.5	1.5	90	140	155	182	284	177	155	279	967	33.3	57.3	54.8	-	-	-	-
EVMSG1 37/2.2	2.5	2.2	90	140	181	182	308	177	155	279	1030	34.7	61.7	59.2	-	-	-	-
EVMSG1 39/2.2	2.5	2.2	90	140	181	182	308	177	155	279	1072	35.7	62.7	60.2	-	-	-	-

Sectional View

SECTIONAL VIEW EVMSG1



Sectional Table

SECTIONAL TABLE EVMSG1

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	Cast Iron EN-GJL-250		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304)		
32-1	Adjuster key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)		
43-7	Spacer	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring holder	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide		
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical seal	see page 101		
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM / FPM	Ø129.54x5.34	OR 6945
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM	Ø32.99x2.62	OR 4175
117	Flange gasket	EPDM / FPM		
120-1	Tie-rod	EN 1.4057 (AISI 431)	M10	
120-3	Screw (seal flange)	A2-70	M4x10	ISO 4762
120-6	Screw (pump coupling)	Galvanized steel	M6x25	ISO 4762
120-11	Screw (counter flange)	A2-70		UNI 7323
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20	ISO 4017 ISO 4017
128-1	Nut (tie rod)	A2-70	M10	ISO 4032
128-6	Nut (aluminium coupling)	Galvanized steel	M6	ISO 4032
130-1	Set screw	A2-70	M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket	Cast iron EN-GJL-250		
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)		
219	Counter flange	Galvanized steel Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)		
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)		

Quantity For Model

QUANTITY FOR MODEL EVMSG1

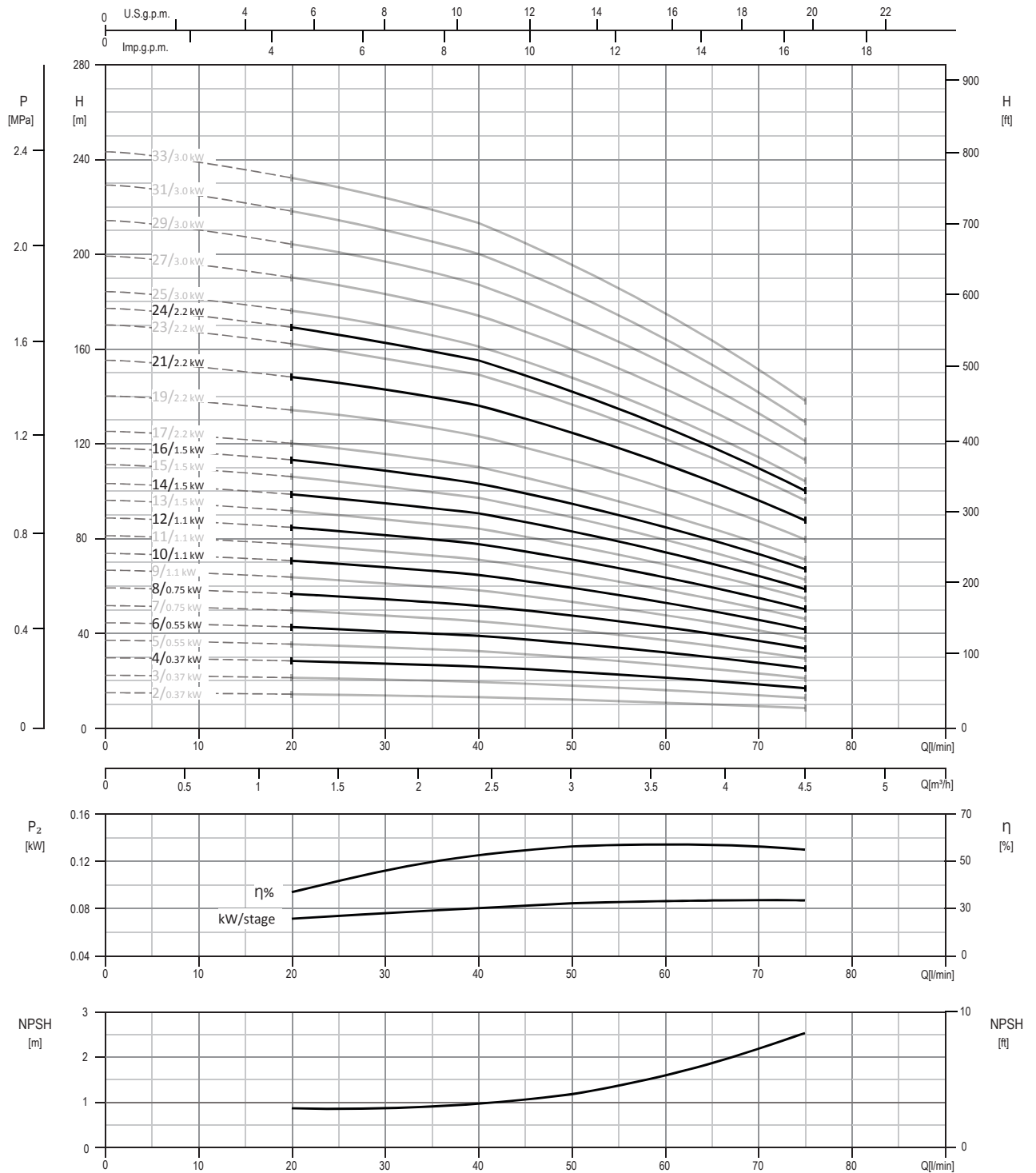
Pump Type	N°																													
	4	5-1	52	53	54	6	7	21	31	32-1	43-2	43-3	435	437	44-1	46	47	48	52-1	75	75-1	107	111	1113	1114	1115	115-1	1154	1155	
EVMSG1 2/0.37	1	1	/	1	1	1	1	2	1	1	1	1	/	/	1	2	1	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG1 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG1 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1	
EVMSG1 5/0.37	1	1	3	1	1	1	1	5	1	1	7	1	/	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1	
EVMSG1 6/0.37	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1	
EVMSG1 7/0.37	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1	
EVMSG1 8/0.37	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1	
EVMSG1 9/0.55	1	1	7	1	1	1	1	9	1	1	15	1	/	/	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1	
EVMSG1 10/0.55	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1	
EVMSG1 11/0.55	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1	
EVMSG1 12/0.55	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	4	12	1	1	1	1	2	1	1	
EVMSG1 13/0.55	1	1	10	2	1	1	1	13	1	1	20	2	/	/	1	2	1	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG1 14/0.75	1	1	11	2	1	1	1	14	1	1	22	2	/	/	1	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG1 16/0.75	1	1	13	2	1	1	1	16	1	1	26	2	/	/	1	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG1 18/1.1	1	1	15	2	1	1	1	18	1	1	30	2	/	/	1	2	2	1	1	2	1	4	18	1	1	1	1	2	1	1
EVMSG1 20/1.1	1	1	17	2	1	1	1	20	1	1	34	2	/	/	1	2	2	1	1	2	1	4	20	1	1	1	1	2	1	1
EVMSG1 22/1.1	1	1	19	2	1	1	1	22	1	1	38	2	/	/	1	2	2	1	1	2	1	4	22	1	1	1	1	2	1	1
EVMSG1 24/1.1	1	1	21	2	1	1	1	24	1	1	42	2	/	/	1	2	2	1	1	2	1	4	24	1	1	1	1	2	1	1
EVMSG1 26/1.1	1	1	23	2	1	1	1	26	1	1	46	2	/	/	1	2	2	1	1	2	1	4	26	1	1	1	1	2	1	1
EVMSG1 27/1.5	1	1	24	2	1	1	1	27	1	1	48	2	/	/	1	2	2	1	1	2	1	4	27	1	1	1	1	2	1	1
EVMSG1 29/1.5	1	1	26	2	1	1	1	29	1	1	52	2	/	/	1	2	2	1	1	2	1	4	29	1	1	1	1	2	1	1
EVMSG1 32/1.5	1	1	29	2	1	1	1	32	1	1	58	2	/	/	1	2	2	1	1	2	1	4	32	1	1	1	1	2	1	1
EVMSG1 34/1.5	1	1	31	2	1	1	1	34	1	1	62	2	/	/	1	2	2	1	1	2	1	4	34	1	1	1	1	2	1	1
EVMSG1 37/2.2	1	1	34	2	1	1	1	37	1	1	68	2	/	/	1	2	2	1	1	2	1	4	37	1	1	1	1	2	1	1
EVMSG1 39/2.2	1	1	36	2	1	1	1	39	1	1	72	2	/	/	1	2	2	1	1	2	1	4	39	1	1	1	1	2	1	1

Pump Type	N°																					
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG1 2/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 3/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 4/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 5/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 6/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 7/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 8/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 9/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 10/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 11/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 12/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 13/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 14/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 16/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 18/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 20/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 22/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 24/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 26/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG1 27/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 29/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 32/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 34/1.5	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 37/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG1 39/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)

Performance Curve

PERFORMANCE CURVE EVMS(L)3

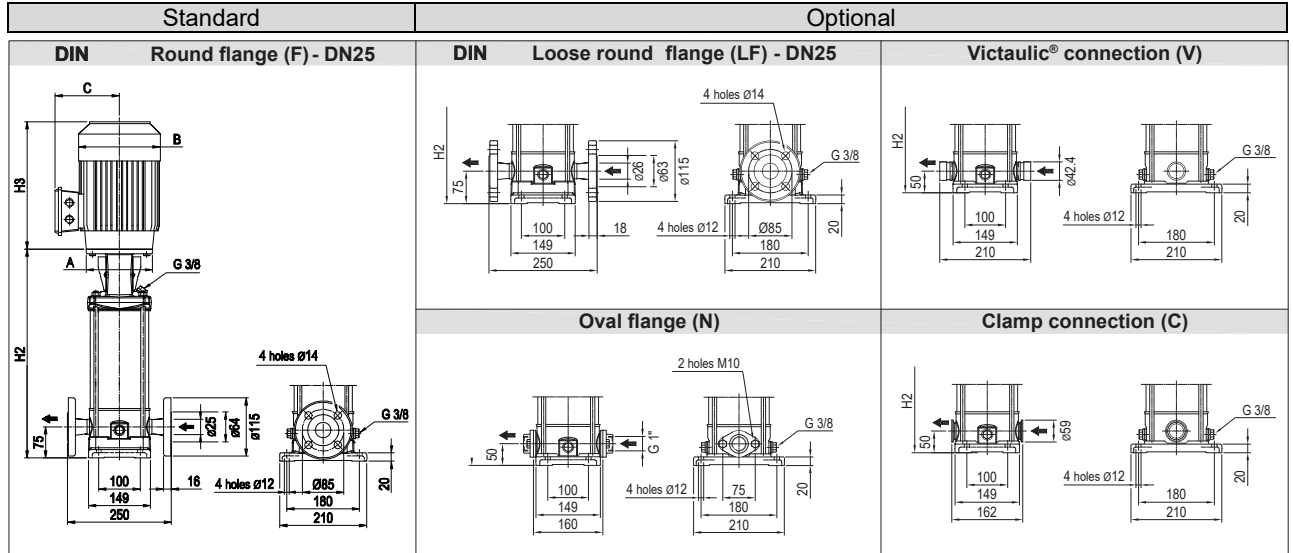


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMS(L)3

Dimensional sketch

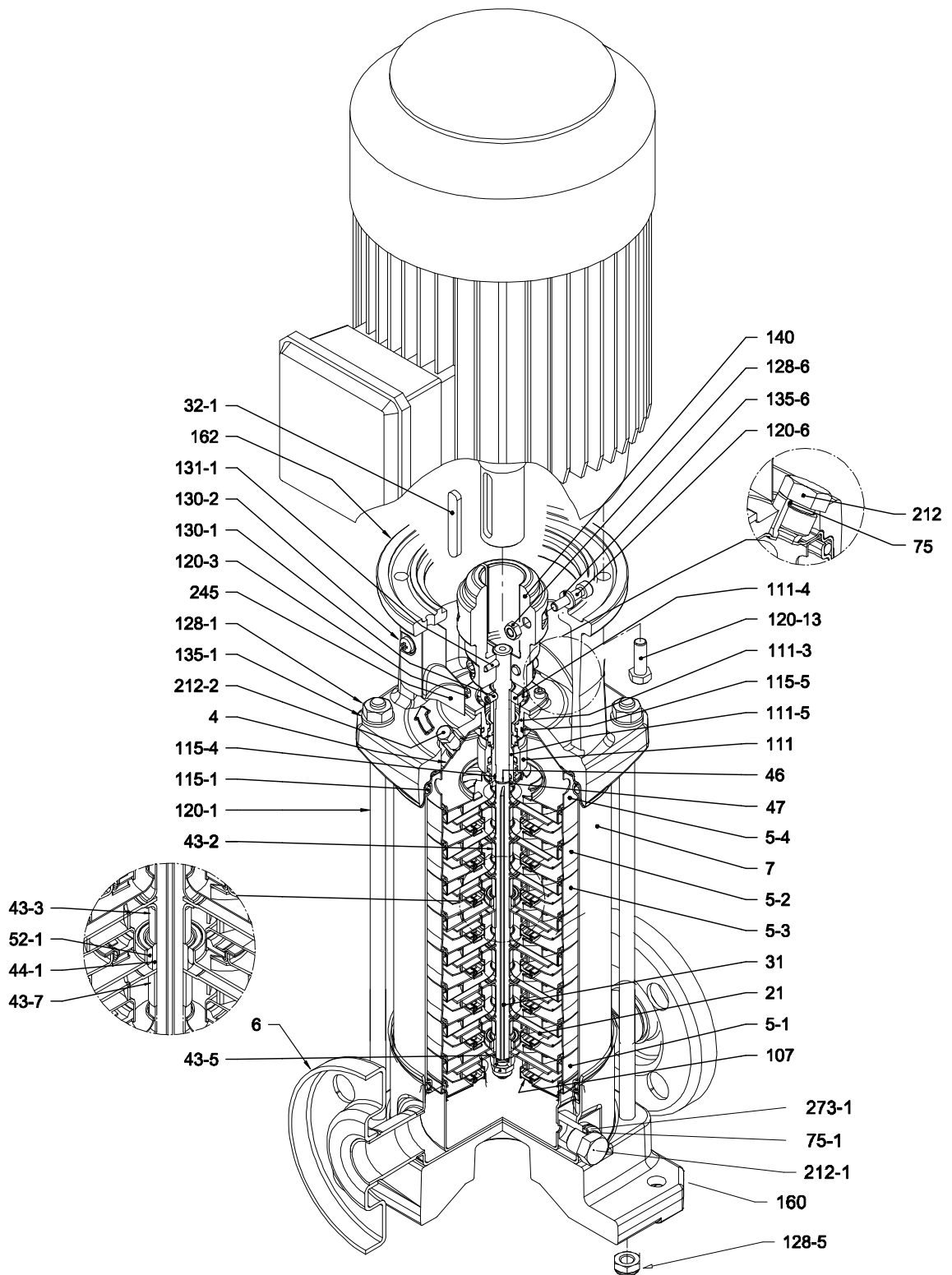


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	A Ø	Motor						Round flange (F) Loose round flange (LF)			Oval flange (N)			Victaulic® connection (V) Clamp connection (C)					
					1~			3~			H2	Weight Pump	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor			
EVMS(L)3 2/0.37	1.6	0.37	71	105	145	125	225	139	127	218	275	9.7	16.7	20.2	250	9.7	16.7	20.2	250	9.7	16.7	20.2
EVMS(L)3 3/0.37	1.6	0.37	71	105	145	125	225	139	127	218	296	10.2	17.2	20.7	271	10.1	17.1	20.6	271	10.1	17.1	20.6
EVMS(L)3 4/0.37	1.6	0.37	71	105	145	125	225	139	127	218	317	10.6	17.6	21.1	292	10.6	17.6	21.1	292	10.6	17.6	21.1
EVMS(L)3 5/0.55	1.6	0.55	71	105	145	125	225	139	127	218	338	11.1	19.1	22.1	313	11	19	22	313	11	19	22
EVMS(L)3 6/0.55	1.6	0.55	71	105	145	125	225	139	127	218	359	11.5	19.5	22.5	334	11.4	19.4	22.4	334	11.4	19.4	22.4
EVMS(L)3 7/0.75	1.6	0.75	80	120	163	145	286	157	136	236	390	12.4	30.4	25.9	365	12.4	30.4	25.9	365	12.4	30.4	25.9
EVMS(L)3 8/0.75	1.6	0.75	80	120	163	145	286	157	136	236	411	12.9	30.9	26.4	386	12.8	30.8	26.3	386	12.8	30.8	26.3
EVMS(L)3 9/1.1	1.6	1.1	80	120	163	145	286	157	136	236	432	13.3	32.3	28.3	407	13.2	32.2	28.2	407	13.2	32.2	28.2
EVMS(L)3 10/1.1	1.6	1.1	80	120	163	145	286	157	136	236	453	13.7	32.7	28.7	428	13.7	32.7	28.7	428	13.7	32.7	28.7
EVMS(L)3 11/1.1	1.6	1.1	80	120	163	145	286	157	136	236	474	14.2	33.2	29.2	449	14.1	33.1	29.1	449	14.1	33.1	29.1
EVMS(L)3 12/1.1	1.6	1.1	80	120	163	145	286	157	136	236	495	14.6	33.6	29.6	470	14.6	33.6	29.6	470	14.6	33.6	29.6
EVMS(L)3 13/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	526	15.3	39.3	36.8	501	15.3	39.3	36.8	501	15.3	39.3	36.8
EVMS(L)3 14/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	547	15.8	39.8	37.3	522	15.7	39.7	37.2	522	15.7	39.7	37.2
EVMS(L)3 15/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	568	16.3	40.3	37.8	543	16.2	40.2	37.7	543	16.2	40.2	37.7
EVMS(L)3 16/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	589	17.3	41.3	38.8	564	17.3	41.3	38.8	564	17.3	41.3	38.8
EVMS(L)3 17/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	610	17.7	44.7	41.9	585	17.7	44.7	42.2	585	17.7	44.7	42.2
EVMS(L)3 19/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	652	18.7	45.7	43.2	627	18.7	45.7	43.2	627	18.7	45.7	43.2
EVMS(L)3 21/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	694	19.6	46.6	44.1	669	19.6	46.6	44.1	669	19.6	46.6	44.1
EVMS(L)3 23/2.2	2.5	2.2	90L	140	182	181	308	177	155	279	736	20.6	47.6	45.1	-	-	-	-	711	20.6	47.6	45.1
EVMS(L)3 24/2.2	2.5	2.2	90L	140	182	181	308	177	155	279	757	21.1	48.1	45.6	-	-	-	-	732	21.1	48.1	45.6
EVMS(L)3 25/3.0	2.5	3.0	100	160	-	-	-	198	165	316	788	21.7	-	53.7	-	-	-	-	763	21.7	-	53.7
EVMS(L)3 27/3.0	2.5	3.0	100	160	-	-	-	198	165	316	830	22.6	-	54.6	-	-	-	-	805	22.6	-	54.6
EVMS(L)3 29/3.0	2.5	3.0	100	160	-	-	-	198	165	316	872	23.6	-	55.6	-	-	-	-	847	23.6	-	55.6
EVMS(L)3 31/3.0	2.5	3.0	100	160	-	-	-	198	165	316	914	24.6	-	56.6	-	-	-	-	889	24.6	-	56.6
EVMS(L)3 33/3.0	2.5	3.0	100	160	-	-	-	198	165	316	956	25.4	-	57.4	-	-	-	-	931	25.4	-	57.4

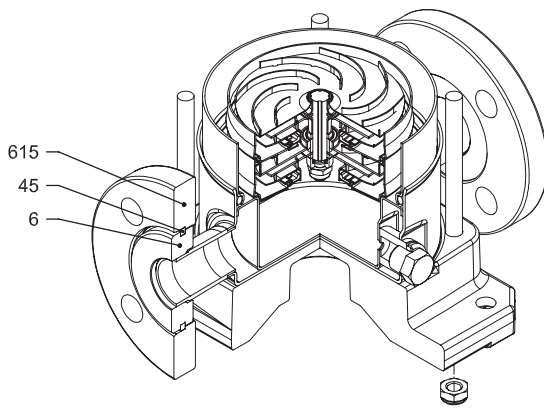
Sectional View

SECTIONAL VIEW
EVMS(L)3

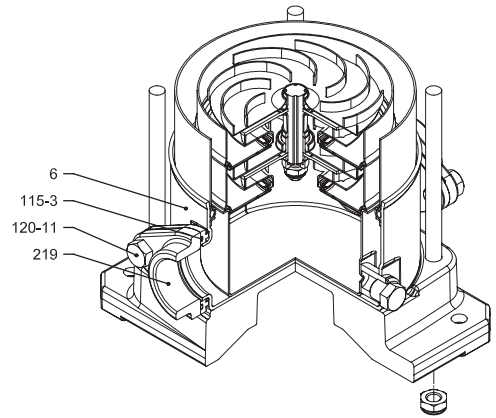


Pipe connection

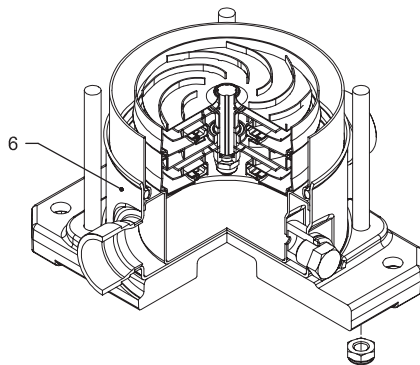
PIPE CONNECTION EVMS(L)3
(Optional on request)



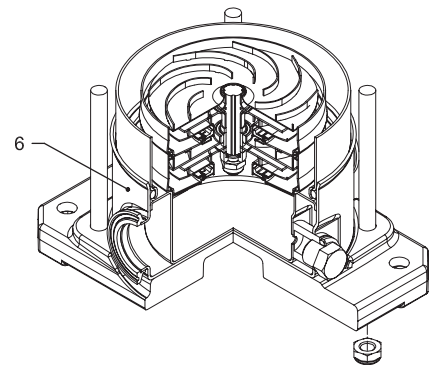
with Loose round flange (LF)



with Oval flange (N)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)3

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-7	Spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø129.54x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø32.99x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M10	
120-3	Screw (seal flange)	A2-70		M4x10	ISO 4762
120-6	Screw (pump coupling)	Galvanized steel		M6x25	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	MEC 71-80 MEC 90-100	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20	ISO 4017 ISO 4017
128-1	Nut (tie rod)	A2-70		M10	ISO 4032
128-5	Nut (tie rod)	A2-70		M10	UNI 7474
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
160	Base	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N flange type: LF-F- -C	EN 1.4308 (ASTM CF8) EN 1.4301 (AISI 304)	EN 1.4408 (ASTM CF8M) EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Nodular Cast Iron			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)3

Pump Type	N°																														
	4	5-1	52	53	54	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	45*	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5
EVMS(L)3 2/0.37	1	1	/	1	1	1	1	2	1	1	1	1	/	/	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)3 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)3 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)3 5/0.55	1	1	3	1	1	1	1	5	1	1	7	1	/	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)3 6/0.55	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)3 7/0.75	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)3 8/0.75	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)3 9/1.1	1	1	7	1	1	1	1	9	1	1	15	1	/	/	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)3 10/1.1	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)3 11/1.1	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)3 12/1.1	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	4	2	1	1	1	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)3 13/1.5	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	4	2	1	1	2	1	2	13	1	1	1	1	2	2	1	1
EVMS(L)3 14/1.5	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)3 15/1.5	1	1	12	2	1	1	1	15	1	1	24	2	/	1	2	4	2	1	1	2	1	2	15	1	1	1	1	2	2	1	1
EVMS(L)3 16/1.5	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	4	2	1	1	2	1	2	16	1	1	1	1	2	2	1	1
EVMS(L)3 17/2.2	1	1	14	2	1	1	1	17	1	1	28	2	1	1	2	4	2	1	1	2	1	2	17	1	1	1	1	2	2	1	1
EVMS(L)3 19/2.2	1	1	16	2	1	1	1	19	1	1	32	2	/	1	2	4	2	1	1	2	1	2	19	1	1	1	1	2	2	1	1
EVMS(L)3 21/2.2	1	1	18	2	1	1	1	21	1	1	36	2	1	1	2	4	2	1	1	2	1	2	21	1	1	1	1	2	2	1	1
EVMS(L)3 23/2.2	1	1	20	2	1	1	1	23	1	1	40	2	/	1	2	4	2	1	1	2	1	2	23	1	1	1	1	2	/	1	1
EVMS(L)3 24/2.2	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	4	2	1	1	2	1	2	24	1	1	1	1	2	/	1	1
EVMS(L)3 25/3.0	1	1	22	2	1	1	1	25	1	1	44	2	/	1	2	4	2	1	1	2	1	2	25	1	1	1	1	2	/	1	1
EVMS(L)3 27/3.0	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	4	2	1	1	2	1	2	27	1	1	1	1	2	/	1	1
EVMS(L)3 29/3.0	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	4	2	1	1	2	1	2	29	1	1	1	1	2	/	1	1
EVMS(L)3 31/3.0	1	1	28	2	1	1	1	31	1	1	56	2	/	1	2	4	2	1	1	2	1	2	31	1	1	1	1	2	/	1	1
EVMS(L)3 33/3.0	1	1	30	2	1	1	1	33	1	1	60	2	/	1	2	4	2	1	1	2	1	2	33	1	1	1	1	2	/	1	1

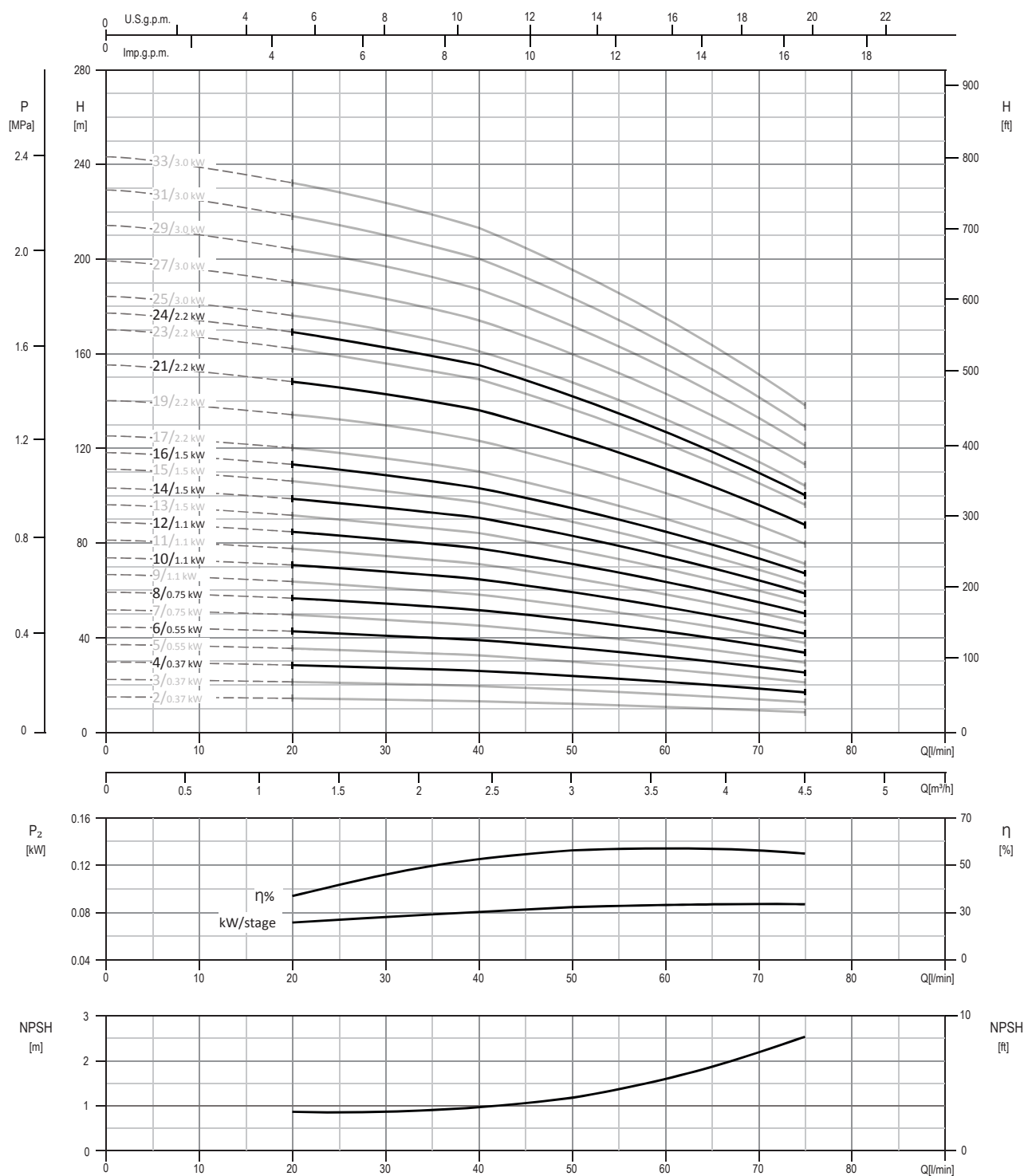
Pump Type	N°																									
	120-1	120-3	120-6	120-11*	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	136-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**		
EVMS(L)3 2/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 3/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 4/0.37	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 5/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 6/0.55	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 7/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 8/0.75	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 9/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 10/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 11/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 12/1.1	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 13/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 14/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 15/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 16/1.5	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 17/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 19/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 21/2.2	4	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2		
EVMS(L)3 23/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 24/2.2	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 25/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 27/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 29/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 31/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		
EVMS(L)3 33/3.0	4	4	4	/	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2		

* only for Oval flange (N)

** only for Loose round flange (LF)

Performance Curve

PERFORMANCE CURVE EVMSG3

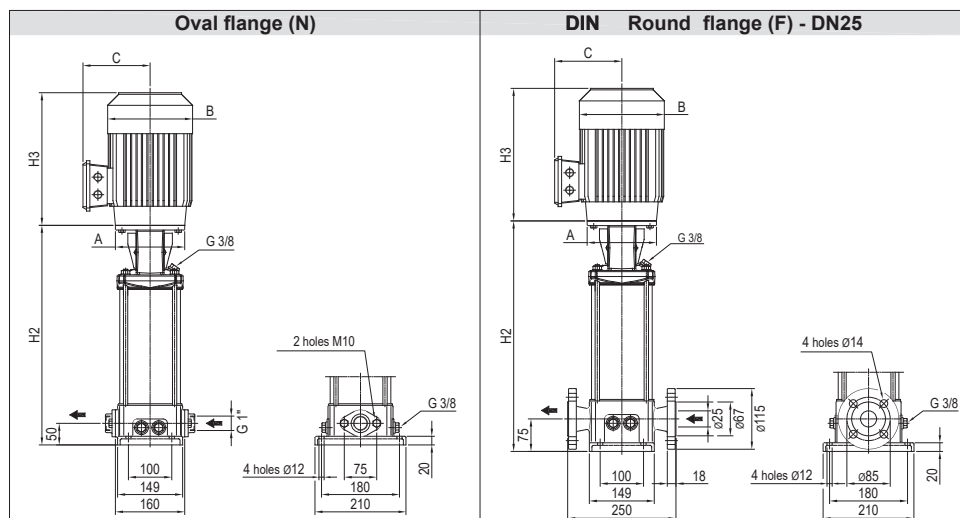


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG3

Dimensional sketch

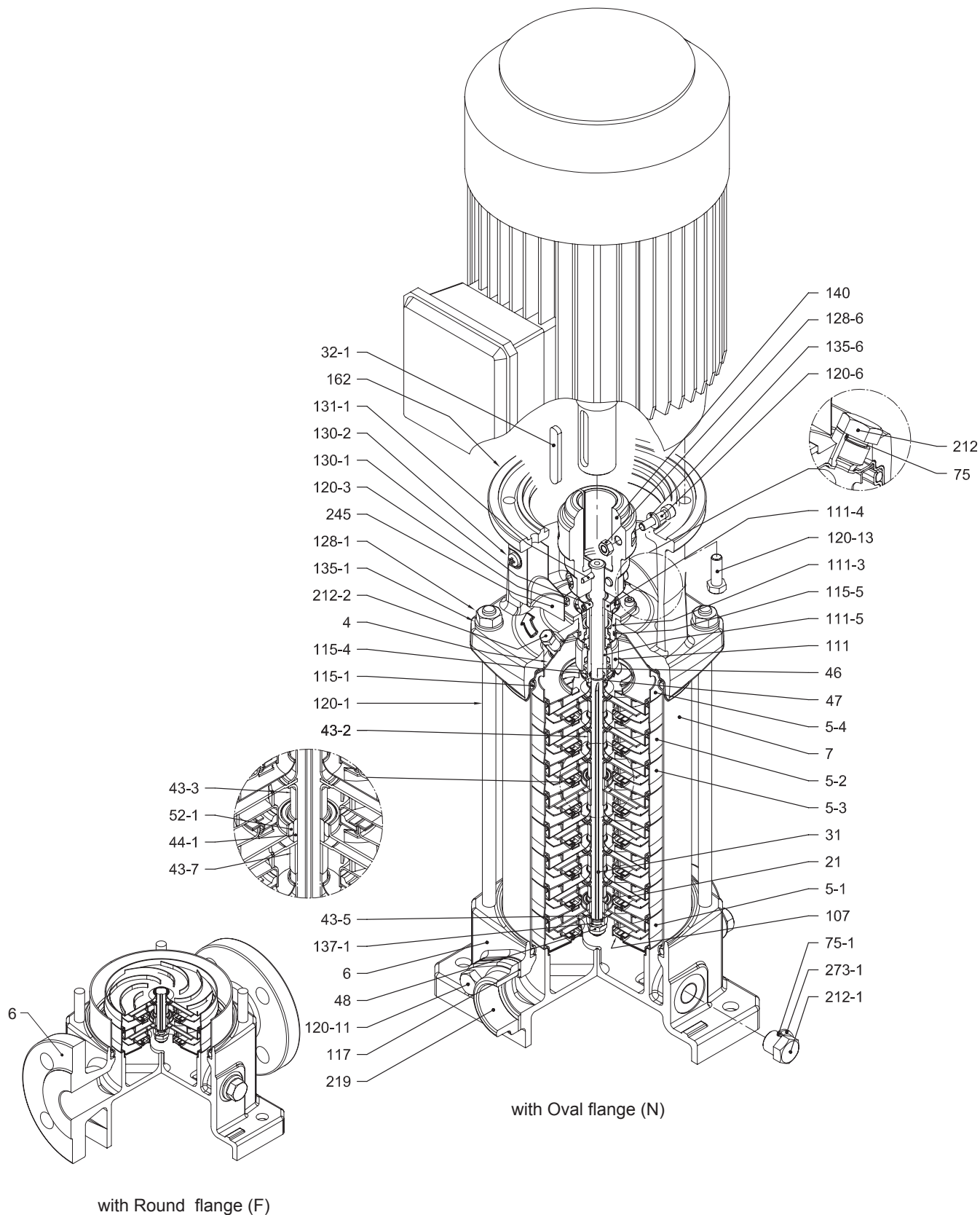


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	Motor									Round flange (F)			Oval flange (N)		
				A Ø	1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor	
EVMSG3 2/0.37	1.6	0.37	71	105	145	125	225	139	127	218	275	15.7	22.7	26.2	250	12.9	19.9	23.4
EVMSG3 3/0.37	1.6	0.37	71	105	145	125	225	139	127	218	296	16.1	23.1	26.6	271	13.3	20.3	23.8
EVMSG3 4/0.37	1.6	0.37	71	105	145	125	225	139	127	218	317	16.6	23.6	27.1	292	13.8	20.8	24.3
EVMSG3 5/0.55	1.6	0.55	71	105	145	125	225	139	127	218	338	17	25	28	313	14.2	22.2	25.2
EVMSG3 6/0.55	1.6	0.55	71	105	145	125	225	139	127	218	359	17.4	25.4	28.4	334	14.7	22.7	25.7
EVMSG3 7/0.75	1.6	0.75	80	120	163	145	286	157	136	236	390	18.3	36.3	31.8	365	15.6	33.6	29.1
EVMSG3 8/0.75	1.6	0.75	80	120	163	145	286	157	136	236	411	18.8	26.6	32.3	386	16	34	29.5
EVMSG3 9/1.1	1.6	1.1	80	120	163	145	286	157	136	236	432	19.2	38.2	34.0	407	16.4	35.4	31.4
EVMSG3 10/1.1	1.6	1.1	80	120	163	145	286	157	136	236	453	19.7	38.7	34.7	428	16.9	35.9	31.9
EVMSG3 11/1.1	1.6	1.1	80	120	163	145	286	157	136	236	474	20.1	39.1	35.1	449	17.3	36.3	32.3
EVMSG3 12/1.1	1.6	1.1	80	120	163	145	286	157	136	236	495	20.6	39.6	35.6	470	17.8	36.8	32.8
EVMSG3 13/1.5	1.6	1.5	90	140	182	155	284	177	155	279	526	21.3	45.3	42.8	501	18.5	42.5	40
EVMSG3 14/1.5	1.6	1.5	90	140	182	155	284	177	155	279	547	21.7	45.7	43.2	522	19	43	40.5
EVMSG3 15/1.5	1.6	1.5	90	140	182	155	284	177	155	279	568	22.2	46.2	43.7	543	19.4	43.4	40.9
EVMSG3 16/1.5	1.6	1.5	90	140	182	155	284	177	155	279	589	23.2	47.2	44.7	564	20.5	44.5	42
EVMSG3 17/2.2	1.6	2.2	90	140	182	181	308	177	155	279	610	23.7	50.7	48.2	585	20.9	47.9	45.4
EVMSG3 19/2.2	1.6	2.2	90	140	182	181	308	177	155	279	652	24.7	51.7	49.2	627	21.9	48.9	46.4
EVMSG3 21/2.2	1.6	2.2	90	140	182	181	308	177	155	279	694	25.6	52.6	50.1	669	22.8	49.8	47.3
EVMSG3 23/2.2	2.5	2.2	90	140	182	181	308	177	155	279	736	26.6	53.6	51.1	-	-	-	-
EVMSG3 24/2.2	2.5	2.2	90	140	182	181	308	177	155	279	757	27	54	51.5	-	-	-	-
EVMSG3 25/3.0	2.5	3.0	100	160	-	-	-	198	165	316	788	27.6	-	59.6	-	-	-	-
EVMSG3 27/3.0	2.5	3.0	100	160	-	-	-	198	165	316	830	28.6	-	60.6	-	-	-	-
EVMSG3 29/3.0	2.5	3.0	100	160	-	-	-	198	165	316	872	29.6	-	61.6	-	-	-	-
EVMSG3 31/3.0	2.5	3.0	100	160	-	-	-	198	165	316	914	30.5	-	62.5	-	-	-	-
EVMSG3 33/3.0	2.5	3.0	100	160	-	-	-	198	165	316	956	31.3	-	63.3	-	-	-	-

Sectional View

SECTIONAL VIEW EVMSG3



Sectional Table

SECTIONAL TABLE EVMSG3

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	Cast Iron EN-GJL-250		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304)		
32-1	Adjuster key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)		
43-7	Spacer	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring holder	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide		
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical seal	see page 101		
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM / FPM	Ø129.54x5.34	OR 6945
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM	Ø32.99x2.62	OR 4175
117	Flange gasket	EPDM / FPM		
120-1	Tie-rod	EN 1.4057 (AISI 431)	M10	
120-3	Screw (seal flange)	A2-70	M4x10	ISO 4762
120-6	Screw (pump coupling)	Galvanized steel	M6x25	ISO 4762
120-11	Screw (counterflange)	A2-70		
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20	ISO 4017 ISO 4017
128-1	Nut (tie rod)	A2-70	M10	ISO 4032
128-6	Nut (aluminium coupling)	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)	M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket	Cast iron EN-GJL-250		
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)		
219	Counter flange	Galvanized steel		
		Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)		
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)		

Quantity For Model

QUANTITY FOR MODEL EVMSG3

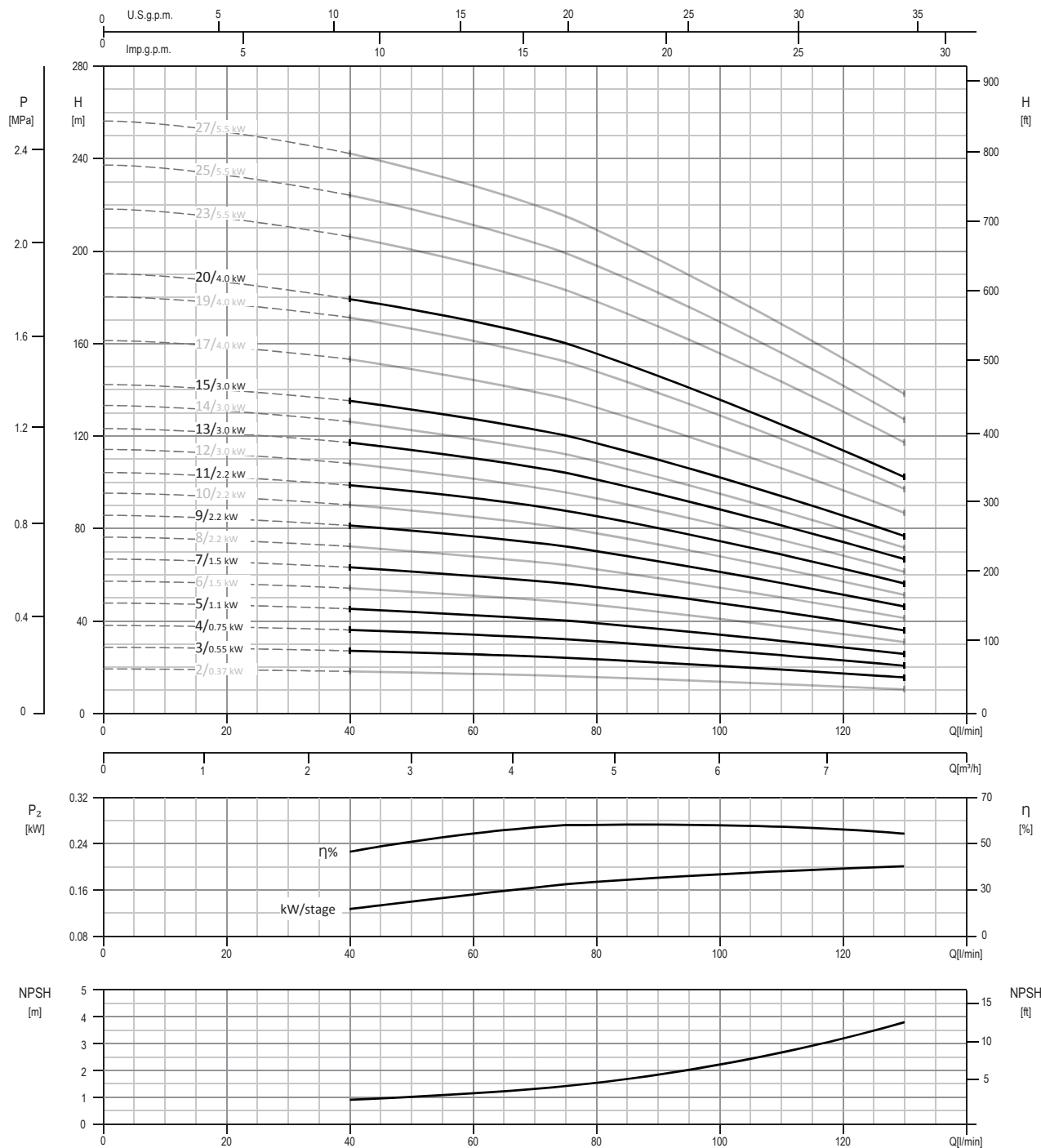
Pump Type	N°																												
	4	5-1	52	53	54	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG3 2/0.37	1	1	/	1	1	1	1	2	1	1	1	1	/	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG3 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG3 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG3 5/0.55	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG3 6/0.55	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG3 7/0.75	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG3 8/0.75	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG3 9/1.1	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG3 10/1.1	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG3 11/1.1	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1
EVMSG3 12/1.1	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	4	12	1	1	1	1	2	1	1
EVMSG3 13/1.5	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG3 14/1.5	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG3 15/1.5	1	1	12	2	1	1	1	15	1	1	24	2	/	1	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG3 16/1.5	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG3 17/2.2	1	1	14	2	1	1	1	17	1	1	28	2	1	1	2	2	1	1	2	1	4	17	1	1	1	1	2	1	1
EVMSG3 19/2.2	1	1	16	2	1	1	1	19	1	1	32	2	/	1	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG3 21/2.2	1	1	18	2	1	1	1	21	1	1	36	2	1	1	2	2	1	1	2	1	4	21	1	1	1	1	2	1	1
EVMSG3 23/2.2	1	1	20	2	1	1	1	23	1	1	40	2	/	1	2	2	1	1	2	1	4	23	1	1	1	1	2	1	1
EVMSG3 24/2.2	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	2	1	1	2	1	4	24	1	1	1	1	2	1	1
EVMSG3 25/3.0	1	1	22	2	1	1	1	25	1	1	44	2	/	1	2	2	1	1	2	1	4	25	1	1	1	1	2	1	1
EVMSG3 27/3.0	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	2	1	1	2	1	4	27	1	1	1	1	2	1	1
EVMSG3 29/3.0	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	2	1	1	2	1	4	29	1	1	1	1	2	1	1
EVMSG3 31/3.0	1	1	28	2	1	1	1	31	1	1	56	2	/	1	2	2	1	1	2	1	4	31	1	1	1	1	2	1	1
EVMSG3 33/3.0	1	1	30	2	1	1	1	33	1	1	60	2	/	1	2	2	1	1	2	1	4	33	1	1	1	1	2	1	1

Pump Type	N°																					
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG3 2/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 3/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 4/0.37	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 5/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 6/0.55	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 7/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 8/0.75	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 9/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 10/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 11/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 12/1.1	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 13/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 14/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 15/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 16/1.5	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 17/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 19/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 21/2.2	2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG3 23/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 24/2.2	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 25/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 27/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 29/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 31/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG3 33/3.0	/	4	4	4	/	4	4	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4

* only for Oval flange (N)

Performance Curve

PERFORMANCE CURVE EVMS(L)5

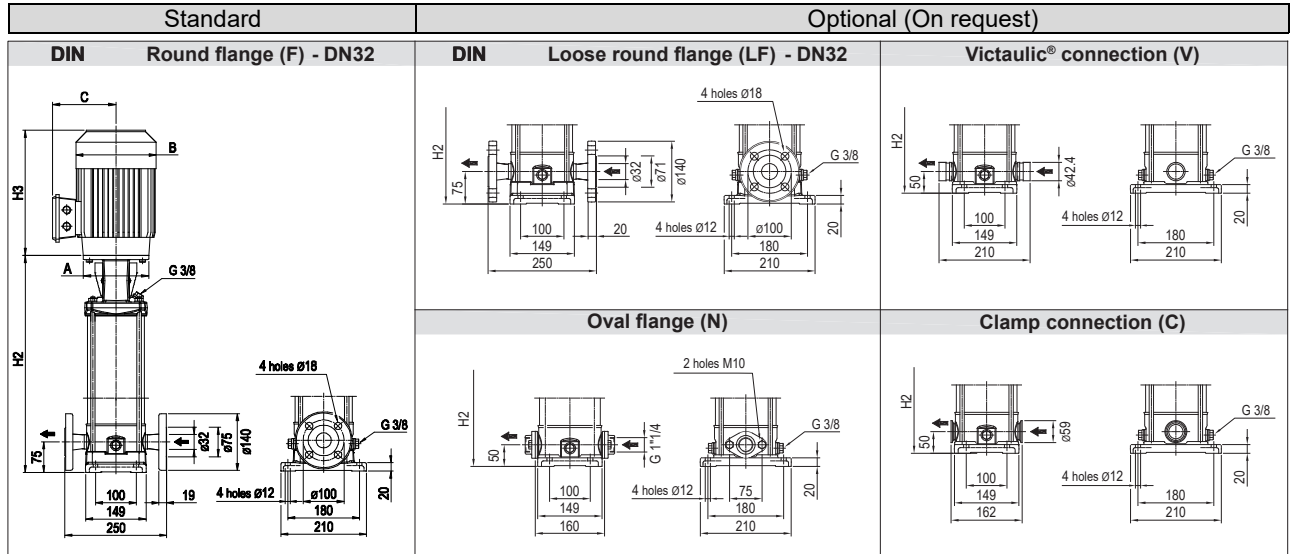


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMS(L)5

Dimensional sketch

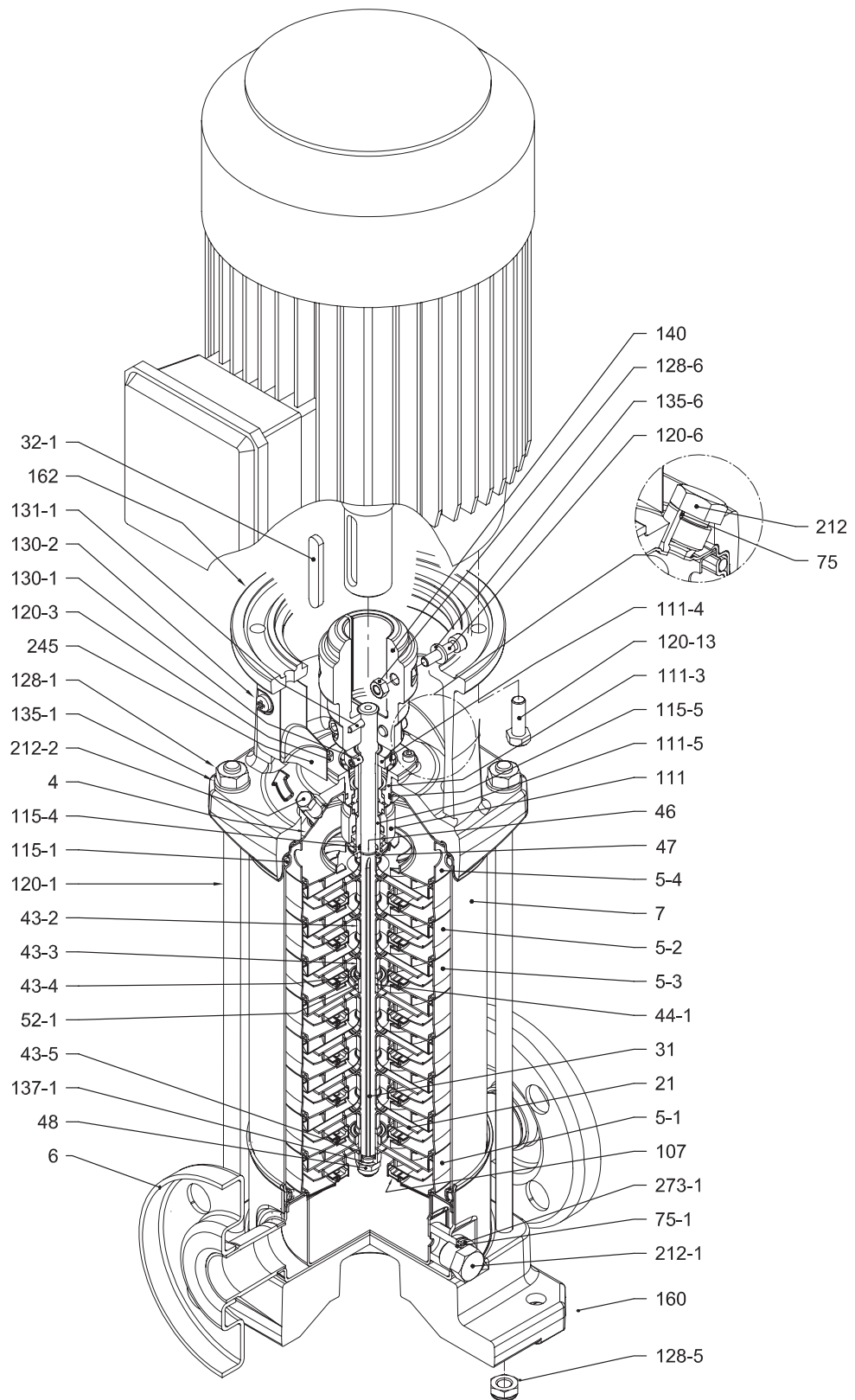


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	Motor									Round flange (F) Loose round flange (LF)				Oval flange (N)			Victaulic® connection (V) Clamp connection (C)		
				A Ø	1~			3~			H2	Weight Pump	Weight Pump + Motor	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor		
EVMS(L)5 2/0.37	1.6	0.37	71	105	145	125	225	139	127	218	289	11	18	21.5	264	9.8	16.8	20.3	264	9.9	16.9	20.4
EVMS(L)5 3/0.55	1.6	0.55	71	105	145	125	225	139	127	218	317	11.5	19.5	22.5	292	10.3	18.6	21.6	292	10.4	18.4	21.4
EVMS(L)5 4/0.75	1.6	0.75	80	120	163	145	286	157	136	236	355	12.5	30.5	26	330	11.3	29.3	24.8	330	11.4	29.4	24.9
EVMS(L)5 5/1.1	1.6	1.1	80	120	163	145	286	157	136	236	383	13	32	28	358	11.8	30.8	26.8	358	11.9	30.9	26.9
EVMS(L)5 6/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	421	13.7	37.7	35.2	396	12.7	36.7	34.2	396	12.6	36.6	34.1
EVMS(L)5 7/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	449	14.1	38.1	35.6	424	12.8	36.8	34.3	424	13	37	34.5
EVMS(L)5 8/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	477	14.6	41.6	39.1	452	13.4	40.4	37.9	452	13.5	40.5	38
EVMS(L)5 9/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	505	15.2	42.2	39.7	480	13.9	40.9	38.4	480	14.1	41.1	38.6
EVMS(L)5 10/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	533	15.6	42.6	40.1	508	14.4	41.4	38.9	508	14.5	41.5	39
EVMS(L)5 11/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	561	16.5	43.5	41	536	15.2	42.2	39.7	536	15.4	42.4	39.9
EVMS(L)5 12/3.0	1.6	3.0	100	160	205	191	358	198	165	316	599	17.7	57.7	49.7	574	16.7	56.7	48.7	574	16.6	56.6	48.6
EVMS(L)5 13/3.0	1.6	3.0	100	160	205	191	358	198	165	316	627	18.3	58.3	50.3	602	17	57	49	602	17.2	57.2	49.2
EVMS(L)5 14/3.0	1.6	3.0	100	160	205	191	358	198	165	316	655	18.8	58.8	50.8	630	17.6	57.6	49.6	630	17.7	57.7	49.7
EVMS(L)5 15/3.0	1.6	3.0	100	160	205	191	358	198	165	316	683	19.9	59.9	51.9	658	18.6	58.6	50.6	658	18.8	58.8	50.8
EVMS(L)5 17/4.0	1.6	4.0	112	160	-	-	-	235	185	333	739	20.6	-	61.6	714	19.3	-	60.3	714	19.5	-	60.5
EVMS(L)5 19/4.0	2.5	4.0	112	160	-	-	-	235	185	333	795	21.7	-	62.7	-	-	-	-	770	20.6	-	61.6
EVMS(L)5 20/4.0	2.5	4.0	112	160	-	-	-	235	185	333	823	23.9	-	64.9	-	-	-	-	798	22.8	-	63.8
EVMS(L)5 23/5.5	2.5	5.5	132	300	-	-	-	274	205	410	1001	30.6	-	95.6	-	-	-	-	976	29.5	-	94.5
EVMS(L)5 25/ 5.5	2.5	5.5	132	300	-	-	-	274	205	410	1057	31.6	-	96.6	-	-	-	-	1032	30.5	-	95.5
EVMS(L)5 27/5.5	2.5	5.5	132	300	-	-	-	274	205	410	1113	33.1	-	98.1	-	-	-	-	1088	32	-	97

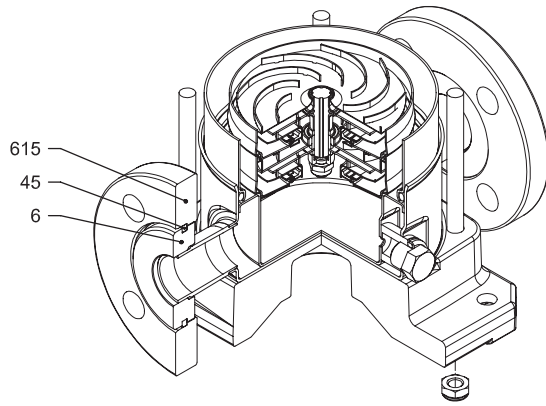
Sectional View

SECTIONAL VIEW
EVMS(L)5

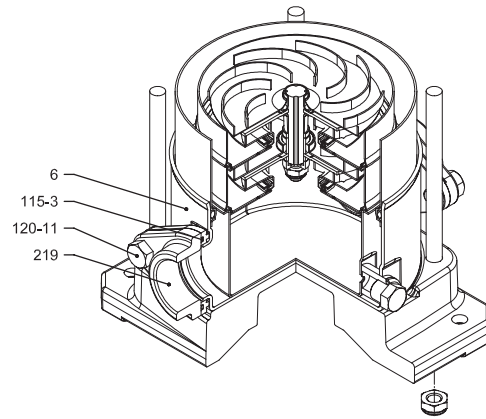


Pipe Connection

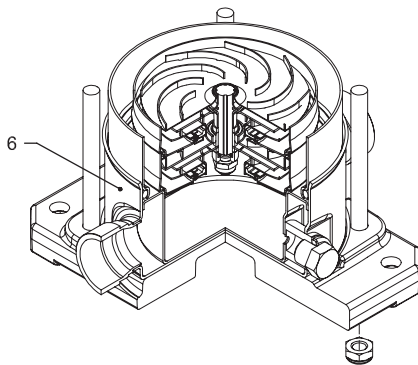
PIPE CONNECTION EVMS(L)5 (On request)



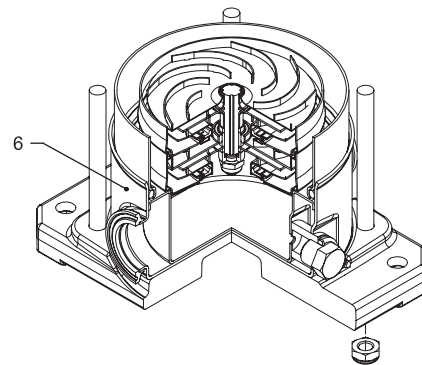
with Loose round flange (LF)



with oval flange (N)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)5

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-4	Shaft sleeve (adjustment)	EN 1.4404 (AISI 316L)			
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø129.54x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø32.99x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M10	
120-3	Screw (seal flange)	A2-70		M4x10	ISO 4762
120-6	Screw (pump coupling)	up to 4.0 kW above 5.5 kW	Galvanized steel	M6x25 M8x20	ISO 4762 ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	MEC 71-80 MEC 90-100-112 MEC 132	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20 M12x40	ISO 4017 ISO 4017 ISO 4017
128-1	Nut (tie rod)	A2-70		M10	ISO 4032
128-3	Nut (motor)	Galvanized steel		M12	ISO 4032
128-5	Nut (tie rod)	A2-70		M10	UNI 7474
128-6	Nut (aluminium coupling)	Galvanized steel		M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	Carbon Steel		Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW above 5.5 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe) Cast Iron		
160	Base	Die cast Aluminium EN AB-AISI11Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N flange type: LF-F- -C	EN 1.4308 (ASTM CF8) EN 1.4301 (AISI 304)	EN 1.4408 (ASTM CF8M) EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Nodular Cast Iron			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)5

Pump Type	N°																															
	4	5-1	52	53	54	6	7	21	31***	32-1	432	433	434	435	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5	
EVMS(L)5 2/0.37	1	1	/	1	1	1	1	2	1	1	1	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	1	2	2	1	1
EVMS(L)5 3/0.55	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	4	2	1	1	1	1	2	3	1	1	1	1	1	2	2	1	1
EVMS(L)5 4/0.75	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	2	4	1	1	1	1	1	2	2	1	1
EVMS(L)5 5/1.1	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	1	2	2	1	1
EVMS(L)5 6/1.5	1	1	4	1	1	1	1	6	1	1	9	1	1	1	1	4	2	1	1	1	1	2	6	1	1	1	1	1	2	2	1	1
EVMS(L)5 7/1.5	1	1	5	1	1	1	1	7	1	1	11	1	1	/	1	4	2	1	1	1	1	2	7	1	1	1	1	1	2	2	1	1
EVMS(L)5 8/2.2	1	1	6	1	1	1	1	8	1	1	13	1	1	/	1	4	2	1	1	1	1	2	8	1	1	1	1	1	2	2	1	1
EVMS(L)5 9/2.2	1	1	7	1	1	1	1	9	1	1	15	1	1	1	1	4	2	1	1	1	1	2	9	1	1	1	1	1	2	2	1	1
EVMS(L)5 10/2.2	1	1	8	1	1	1	1	10	1	1	17	1	1	/	1	4	2	1	1	1	1	2	10	1	1	1	1	1	2	2	1	1
EVMS(L)5 11/2.2	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	1	2	2	1	1
EVMS(L)5 12/3.0	1	1	9	2	1	1	1	12	1	1	19	2	2	1	2	4	2	1	1	2	1	2	12	1	1	1	1	1	2	2	1	1
EVMS(L)5 13/3.0	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	1	2	2	1	1
EVMS(L)5 14/3.0	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	4	2	1	1	2	1	2	14	1	1	1	1	1	2	2	1	1
EVMS(L)5 15/3.0	1	1	12	2	1	1	1	15	1	1	25	2	2	1	2	4	2	1	1	2	1	2	15	1	1	1	1	1	2	2	1	1
EVMS(L)5 17/4.0	1	1	14	2	1	1	1	17	1	1	29	2	2	/	2	4	2	1	1	2	1	2	17	1	1	1	1	1	2	2	1	1
EVMS(L)5 19/4.0	1	1	16	2	1	1	1	19	1	1	33	2	2	/	2	4	2	1	1	2	1	2	19	1	1	1	1	1	2	/	1	1
EVMS(L)5 20/4.0	1	1	17	2	1	1	1	20	1	1	35	2	2	/	2	4	2	1	1	2	1	2	20	1	1	1	1	1	2	/	1	1
EVMS(L)5 23/5.5	1	1	20	2	1	1	1	23	1	1	41	2	2	/	2	4	2	1	1	2	1	2	23	1	1	1	1	1	2	/	1	1
EVMS(L)5 25/5.5	1	1	22	2	1	1	1	25	1	1	45	2	2	/	2	4	2	1	1	2	1	2	25	1	1	1	1	1	2	/	1	1
EVMS(L)5 27/5.5	1	1	23	3	1	1	1	27	1	1	47	3	3	/	3	4	2	1	1	3	1	2	27	1	1	1	1	1	2	/	1	1

Pump Type	N°																									
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**	
EVMS(L)5 2/0.37	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 3/0.55	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 4/0.75	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 5/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 6/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 7/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 8/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 9/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 10/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 11/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 12/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 13/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 14/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 15/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 17/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2	
EVMS(L)5 19/4.0	4	4	4	/	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2	
EVMS(L)5 20/4.0	4	4	4	/	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	/	2	2	2	
EVMS(L)5 23/5.5	4	4	4	/	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 25/5.5	4	4	4	/	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)5 27/5.5	4	4	4	/	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)

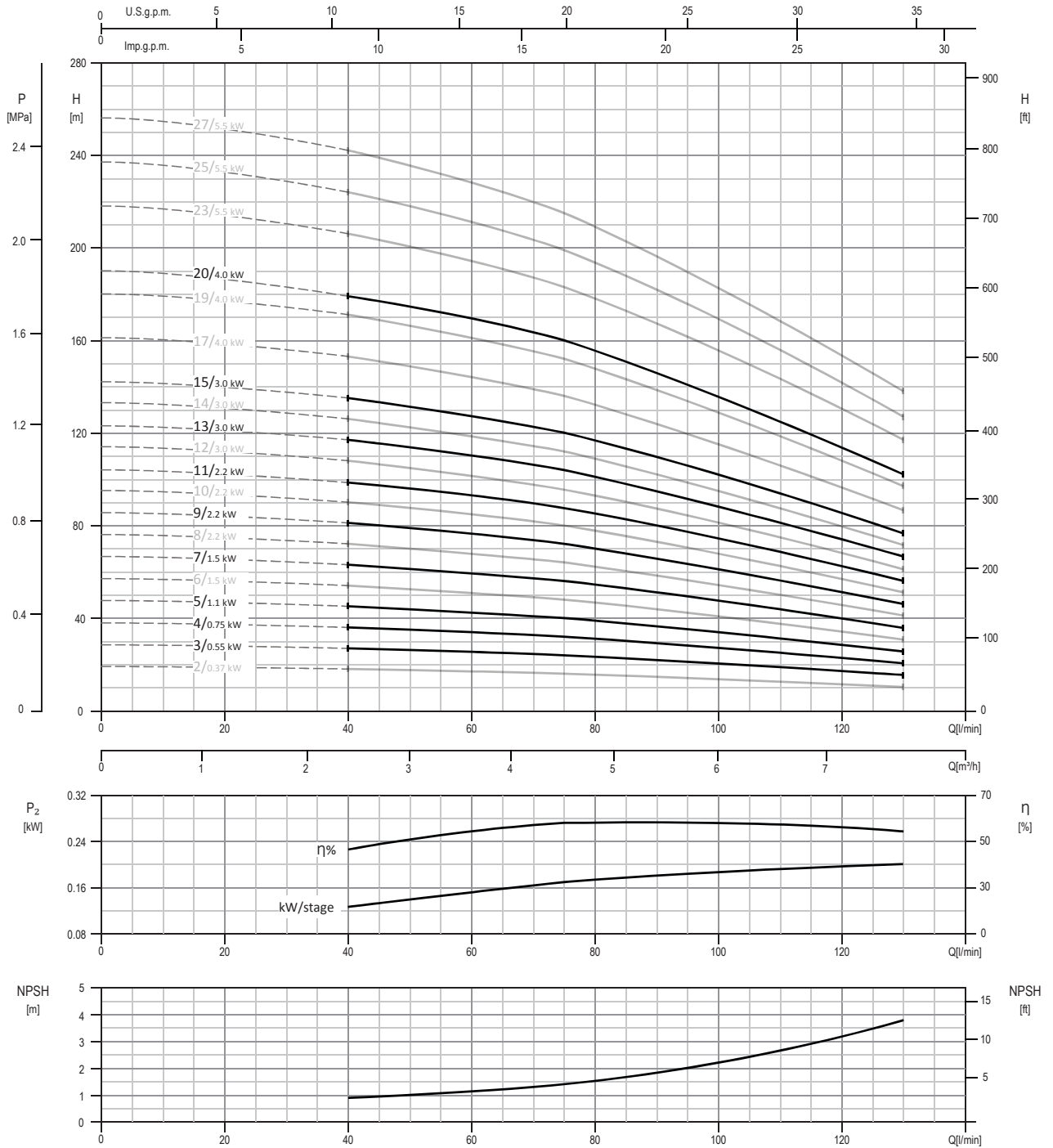
** only for Loose round flange (LF)

** shaft in EN 1.4462 (AISI 329A)

128-3: only for motor above 5.5kW

Performance Curve

PERFORMANCE CURVE EVMSG5

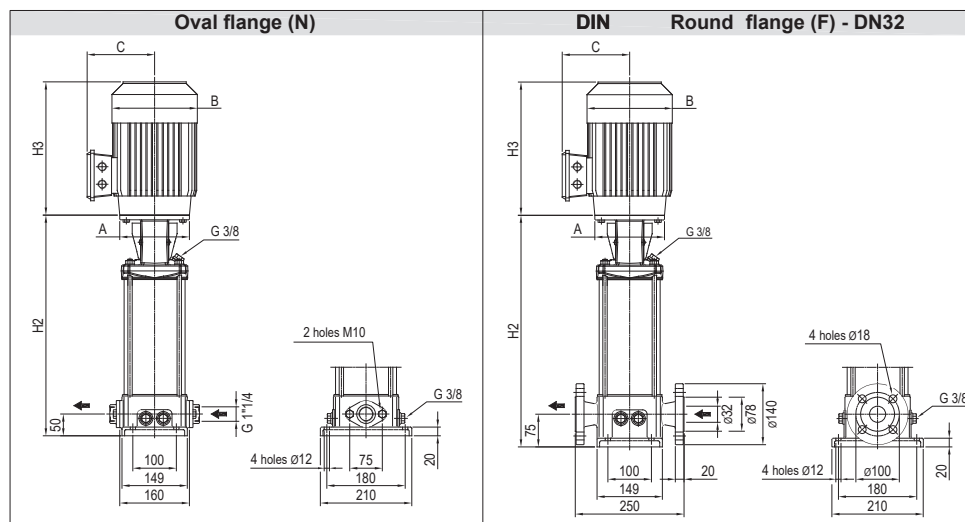


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG5

Dimensional sketch

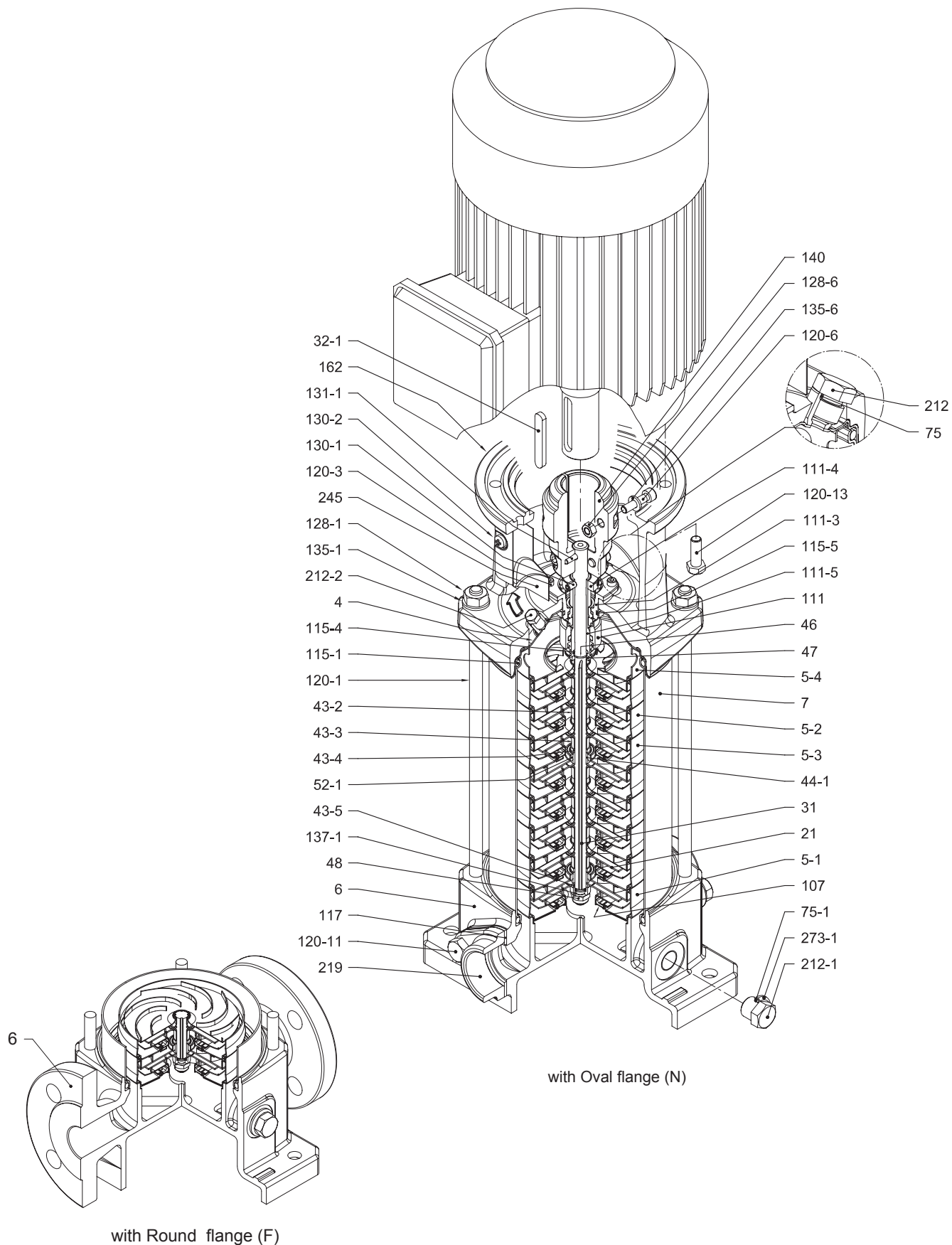


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	Motor									Round flange (F)				Oval flange (N)			
				A Ø	1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor			
					B	C	H3	B	C	H3			1~	3~			1~	3~		
EVMSG5 2/0.37	1.6	0.37	105	105	145	125	225	139	127	218	289	17.5	24.5	28	264	13	20	23.5		
EVMSG5 3/0.55	1.6	0.55	105	105	145	125	225	139	127	218	317	18	26	29	292	13.5	21.5	24.5		
EVMSG5 4/0.75	1.6	0.75	120	120	163	145	286	157	136	236	355	19	37	32.5	330	14.5	32.5	28		
EVMSG5 5/1.1	1.6	1.1	120	120	163	145	286	157	136	236	383	19.5	38.5	34.5	358	15	34	30		
EVMSG5 6/1.5	1.6	1.5	140	140	182	155	284	177	155	279	421	20.1	44.1	35.1	396	15.5	39.5	37		
EVMSG5 7/1.5	1.6	1.5	140	140	182	155	284	177	155	279	449	20.5	44.5	35.5	424	16	40	37.5		
EVMSG5 8/2.2	1.6	2.2	140	140	182	181	308	177	155	279	477	21.1	48.1	45.6	452	16.6	43.6	41.1		
EVMSG5 9/2.2	1.6	2.2	140	140	182	181	308	177	155	279	505	21.6	48.6	46.1	480	17.1	44.1	41.6		
EVMSG5 10/2.2	1.6	2.2	140	140	182	181	308	177	155	279	533	22.1	49.1	46.6	508	17.6	44.6	42.1		
EVMSG5 11/2.2	1.6	2.2	140	140	182	181	308	177	155	279	561	22.9	49.9	47.4	536	18.4	45.4	42.9		
EVMSG5 12/3.0	1.6	3.0	160	160	205	191	358	198	165	316	599	24.1	64.1	56.1	574	19.6	59.6	51.6		
EVMSG5 13/3.0	1.6	3.0	160	160	205	191	358	198	165	316	627	24.7	64.7	56.7	602	20.2	60.2	52.2		
EVMSG5 14/3.0	1.6	3.0	160	160	205	191	358	198	165	316	655	25.3	65.3	57.3	630	20.8	60.8	52.8		
EVMSG5 15/3.0	1.6	3.0	160	160	205	191	358	198	165	316	683	26.3	66.3	58.3	658	21.8	61.8	53.8		
EVMSG5 17/4.0	1.6	4.0	160	160	-	-	-	235	185	333	739	27	-	68	714	22.5	-	63.5		
EVMSG5 19/4.0	2.5	4.0	160	160	-	-	-	235	185	333	795	28.1	-	69.1	-	-	-	-		
EVMSG5 20/4.0	2.5	4.0	160	160	-	-	-	235	185	333	823	30.3	-	71.3	-	-	-	-		
EVMSG5 23/5.5	2.5	5.5	300	300	-	-	-	274	205	410	1001	37	-	102	-	-	-	-		
EVMSG5 25/5.5	2.5	5.5	300	300	-	-	-	274	205	410	1057	38	-	103	-	-	-	-		
EVMSG5 27/5.5	2.5	5.5	300	300	-	-	-	274	205	410	1113	39.6	-	104.6	-	-	-	-		

Sectional View

SECTIONAL VIEW EVMSG5



Sectional Table

SECTIONAL TABLE EVMSG5

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	Cast Iron EN-GJL-250		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)	EN 1.4404 (AISI 316L)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring holder	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M8	
52-1	Sleeve bearing	Tungsten carbide		
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical seal	see page 101		
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM / FPM	Ø129.54x5.34	OR 6945
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø11.91x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM	Ø32.99x2.62	OR 4175
117	Flange gasket	EPDM / FPM		
120-1	Tie-rod	EN 1.4057 (AISI 431)	M10	
120-3	Screw (seal flange)	A2-70	M4x10	ISO 4762
120-6	Screw (pump coupling)	Galvanized steel	up to 4.0 kW M6x25	ISO 4762
	above 5.5 kW		M8x20	ISO 4762
120-11	Screw (counterflange)	A2-70		
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	MEC 71-80 M6x20	ISO 4017
	MEC 90-100-112		M8x20	ISO 4017
	MEC 132		M12x40	ISO 4017
128-1	Nut (tie rod)	A2-70	M10	ISO 4032
128-3	Nut (motor)	Galvanized steel	M12	ISO 4032
128-6	Nut (aluminium coupling)	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)	M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	Ø4x32	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø10.5x21x2	ISO 7089
135-6	Washer (aluminium coupling)	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	Die cast Aluminium EN AB-AISI11Cu2 (Fe) Cast Iron		
162	Motor bracket	Cast iron EN-GJL-250		
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)		
219	Counter flange	flange type: N Galvanized steel flange type: F Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)		
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)		

Quantity For Model

QUANTITY FOR MODEL EVMSG5

Pump Type	N°																												
	4	5-1	52	53	54	6	7	21	31**	32-1	432	433	434	435	44-1	46	47	48	52-1	75	75-1	107	111	111-3	1114	111-5	115-1	1154	1155
EVMSG5 2/0.37	1	1	/	1	1	1	1	2	1	1	1	1	1	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG5 3/0.55	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG5 4/0.75	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG5 5/1.1	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG5 6/1.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG5 7/1.5	1	1	5	1	1	1	1	7	1	1	11	1	1	/	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG5 8/2.2	1	1	6	1	1	1	1	8	1	1	13	1	1	/	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG5 9/2.2	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG5 10/2.2	1	1	8	1	1	1	1	10	1	1	17	1	1	/	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG5 11/2.2	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG5 12/3.0	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG5 13/3.0	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG5 14/3.0	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG5 15/3.0	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG5 17/4.0	1	1	14	2	1	1	1	17	1	1	29	2	2	/	2	2	1	1	2	1	4	17	1	1	1	1	2	1	1
EVMSG5 19/4.0	1	1	16	2	1	1	1	19	1	1	33	2	2	/	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG5 20/4.0	1	1	17	2	1	1	1	20	1	1	35	2	2	/	2	2	1	1	2	1	4	20	1	1	1	1	2	1	1
EVMSG5 23/5.5	1	1	20	2	1	1	1	23	1	1	41	2	2	/	2	2	1	1	2	1	4	23	1	1	1	1	2	1	1
EVMSG5 25/5.5	1	1	22	2	1	1	1	25	1	1	45	2	2	/	2	2	1	1	2	1	4	25	1	1	1	1	2	1	1
EVMSG5 27/5.5	1	1	23	3	1	1	1	27	1	1	47	3	3	/	3	2	1	1	3	1	4	27	1	1	1	1	2	1	1

Pump Type	N°																						
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG5 2/0.37	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 3/0.55	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 4/0.75	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 5/1.1	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 6/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 7/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 8/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 9/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 10/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 11/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 12/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 13/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 14/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 15/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 17/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG5 19/4.0	/	4	4	4	/	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG5 20/4.0	/	4	4	4	/	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	/	2	4
EVMSG5 23/5.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG5 25/5.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG5 27/5.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	

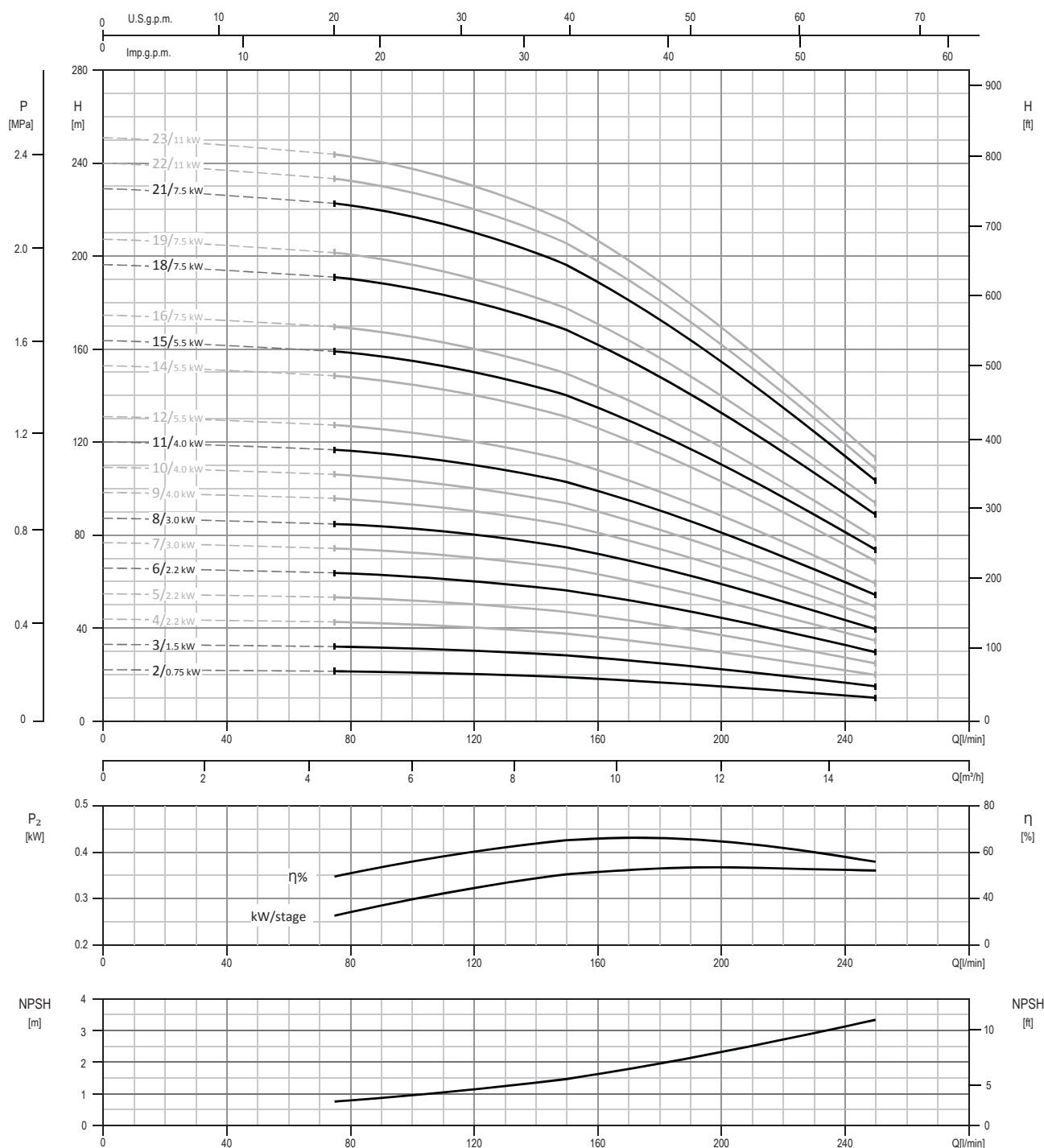
* only for Oval flange (N)

** shaft in EN 1.4462 (AISI 329A)

128-3: only for motor above 5.5kW

Performance Curve

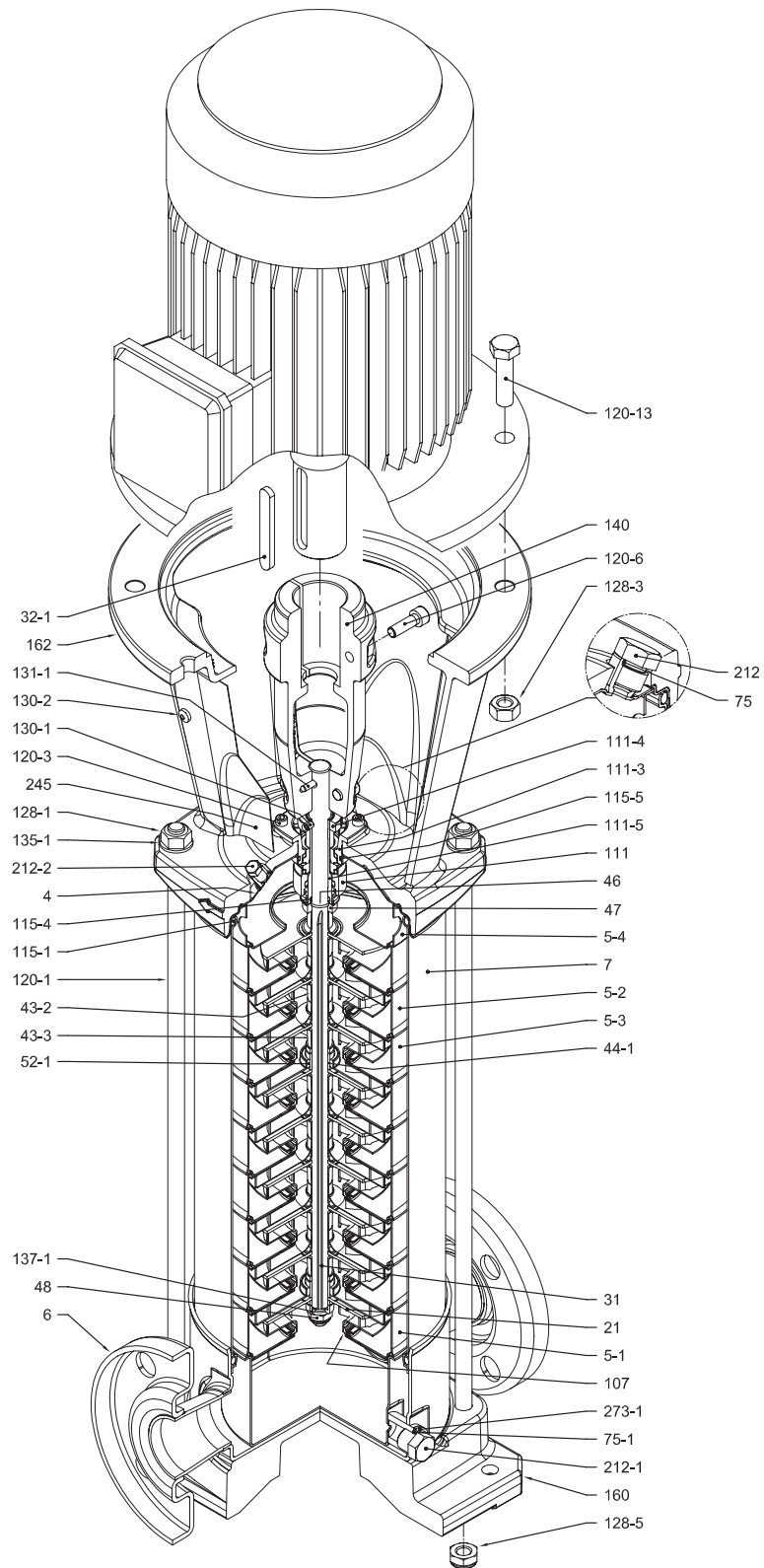
PERFORMANCE CURVE EVMS(L)10



Test standard: ISO 9906:2012 - Grade 3B

Sectional View

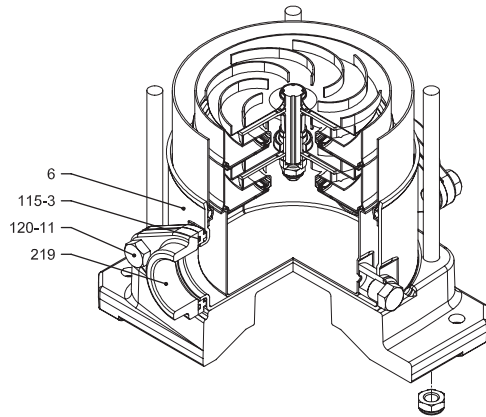
**SECTIONAL VIEW
EVMS(L)10**



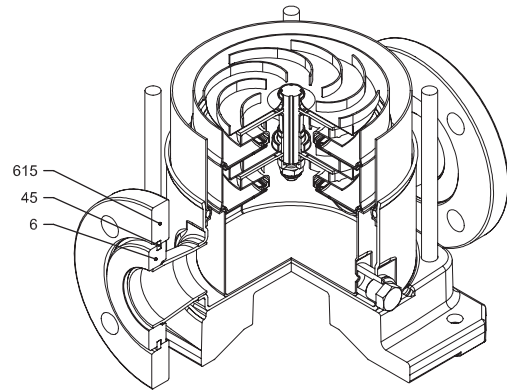
with Round flange (F)

Pipe Connection

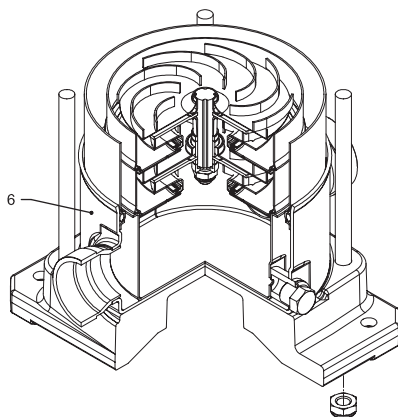
PIPE CONNECTION EVMS(L)10 (Option on request)



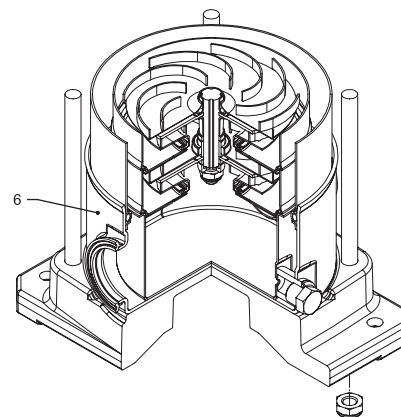
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)10

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M10	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø164.46x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø15.88x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø37.77x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M12	
120-3	Screw	A2-70		M5x12	ISO 4762
120-6	Screw (pump coupling)	up to 4.0 kW from 5.5 kW to 7.5 kW above 11 kW	Galvanized steel	M6x25	ISO 4762
				M8x20	ISO 4762
				M10x30	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	MEC 80 MEC 90-100-112 MEC 132 MEC 160	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
				M8x20	ISO 4017
				M12x40	UNI 5739
				M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70		M12	ISO 4032
128-3	Nut (motor)	MEC 132 MEC 160	Galvanized steel	M12	ISO 4032
				M16	ISO 4032
128-5	Nut (tie rod)	A2-70		M12	UNI 7474
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø5x35	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø13x24x2.5	ISO 7089
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW above 5.5 kW	Die cast Aluminium EN AB-AISI11 Cu2 (Fe)		
			Cast Iron		
160	Base	Die cast Aluminium EN AB-AISI11 Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)	
		flange type: LF-F- -C	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Nodular Cast Iron			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)10

Pump Type	N°																												
	4	5-1	52	53	54	6	7	21	31	32-1	432	433	44-1	45**	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	1155
EVMS(L)10 2/0.75	1	1	/	1	1	1	1	2	1	1	1	1	1	4	2	1	1	1	1	2	2	1	1	1	1	2	2	1	1
EVMS(L)10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	4	2	1	1	1	1	2	3	1	1	1	1	2	2	1	1
EVMS(L)10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1
EVMS(L)10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1
EVMS(L)10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	4	2	1	1	1	1	2	7	1	1	1	1	2	2	1	1
EVMS(L)10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	4	2	1	1	1	1	2	8	1	1	1	1	2	2	1	1
EVMS(L)10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	4	2	1	1	1	1	2	9	1	1	1	1	2	2	1	1
EVMS(L)10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	4	2	1	1	1	1	2	10	1	1	1	1	2	2	1	1
EVMS(L)10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	4	2	1	1	1	1	2	11	1	1	1	1	2	2	1	1
EVMS(L)10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	4	2	1	1	2	1	2	12	1	1	1	1	2	2	1	1
EVMS(L)10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	4	2	1	1	2	1	2	14	1	1	1	1	2	2	1	1
EVMS(L)10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	4	2	1	1	2	1	2	15	1	1	1	1	2	2	1	1
EVMS(L)10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	4	2	1	1	2	1	2	16	1	1	1	1	2	/	1	1
EVMS(L)10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	4	2	1	1	2	1	2	18	1	1	1	1	2	/	1	1
EVMS(L)10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	4	2	1	1	2	1	2	19	1	1	1	1	2	/	1	1
EVMS(L)10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	4	2	1	1	2	1	2	21	1	1	1	1	2	/	1	1
EVMS(L)10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	4	2	1	1	2	1	2	22	1	1	1	1	2	/	1	1
EVMS(L)10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	4	2	1	1	3	1	2	23	1	1	1	1	2	/	1	1

Pump Type	N°																								
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)10 2/0.75	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 3/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 4/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 5/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 6/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 7/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 8/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 9/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 10/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 11/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 12/5.5	4	4	4	4	4	4	/	4	4	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 14/5.5	4	4	4	4	4	4	/	4	4	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 15/5.5	4	4	4	4	4	4	/	4	4	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)10 16/7.5	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2
EVMS(L)10 18/7.5	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2
EVMS(L)10 19/7.5	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2
EVMS(L)10 21/7.5	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2
EVMS(L)10 22/11	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2
EVMS(L)10 23/11	4	4	4	/	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2	2

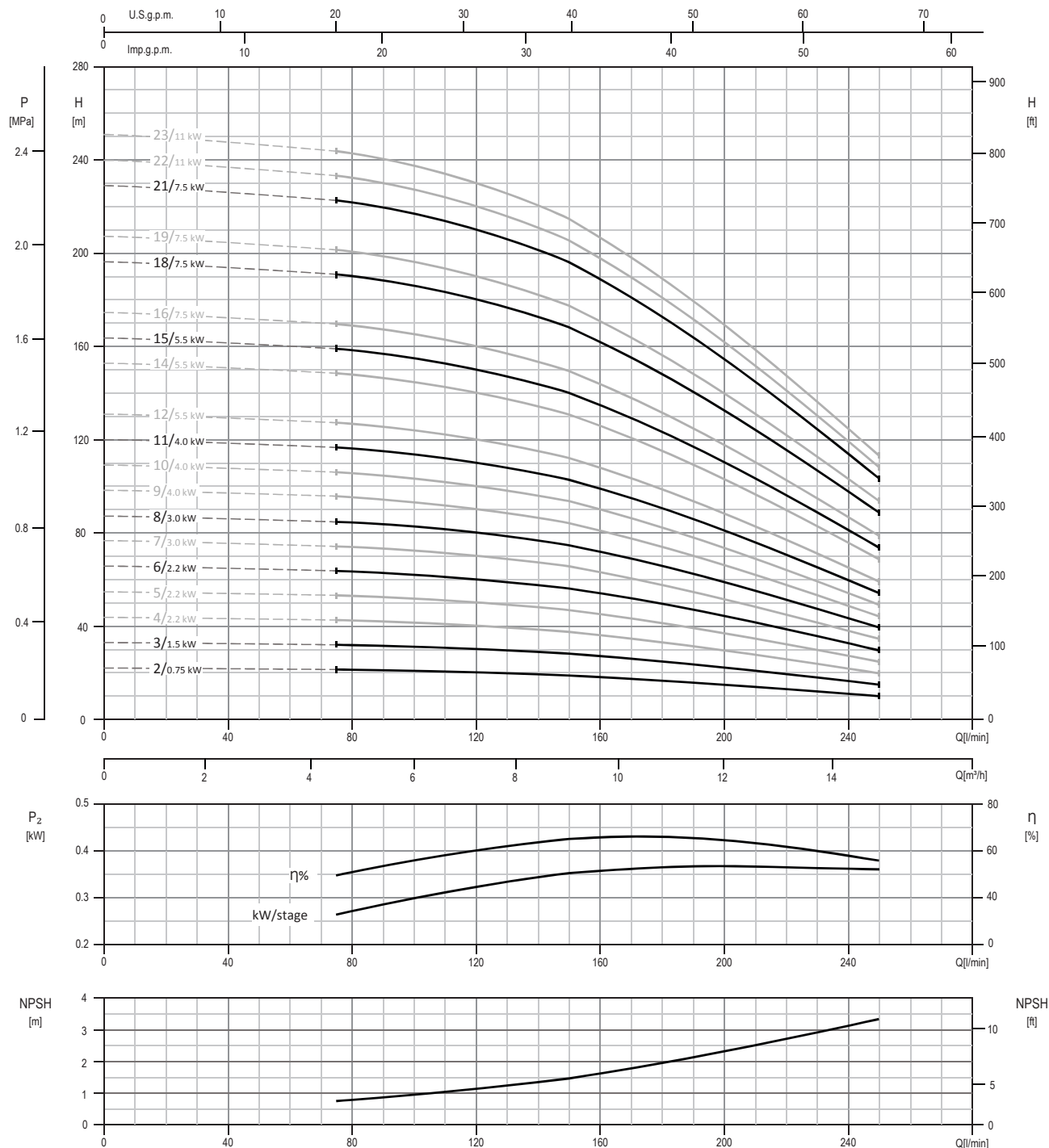
* only for Oval flange (N)

** only for Loose round flange (LF)

128-6 / 135-6: with Aluminium coupling

Performance Curve

PERFORMANCE CURVE EVMSG10

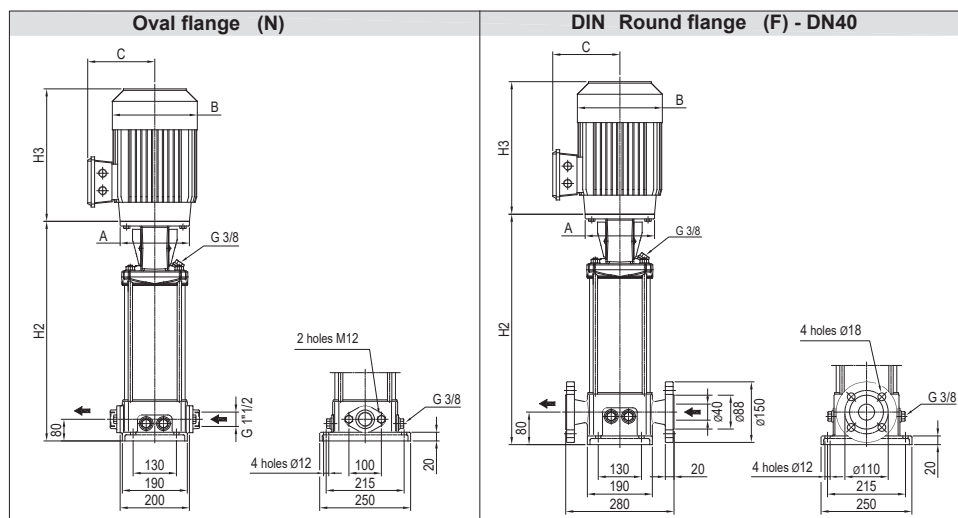


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG10

Dimensional sketch

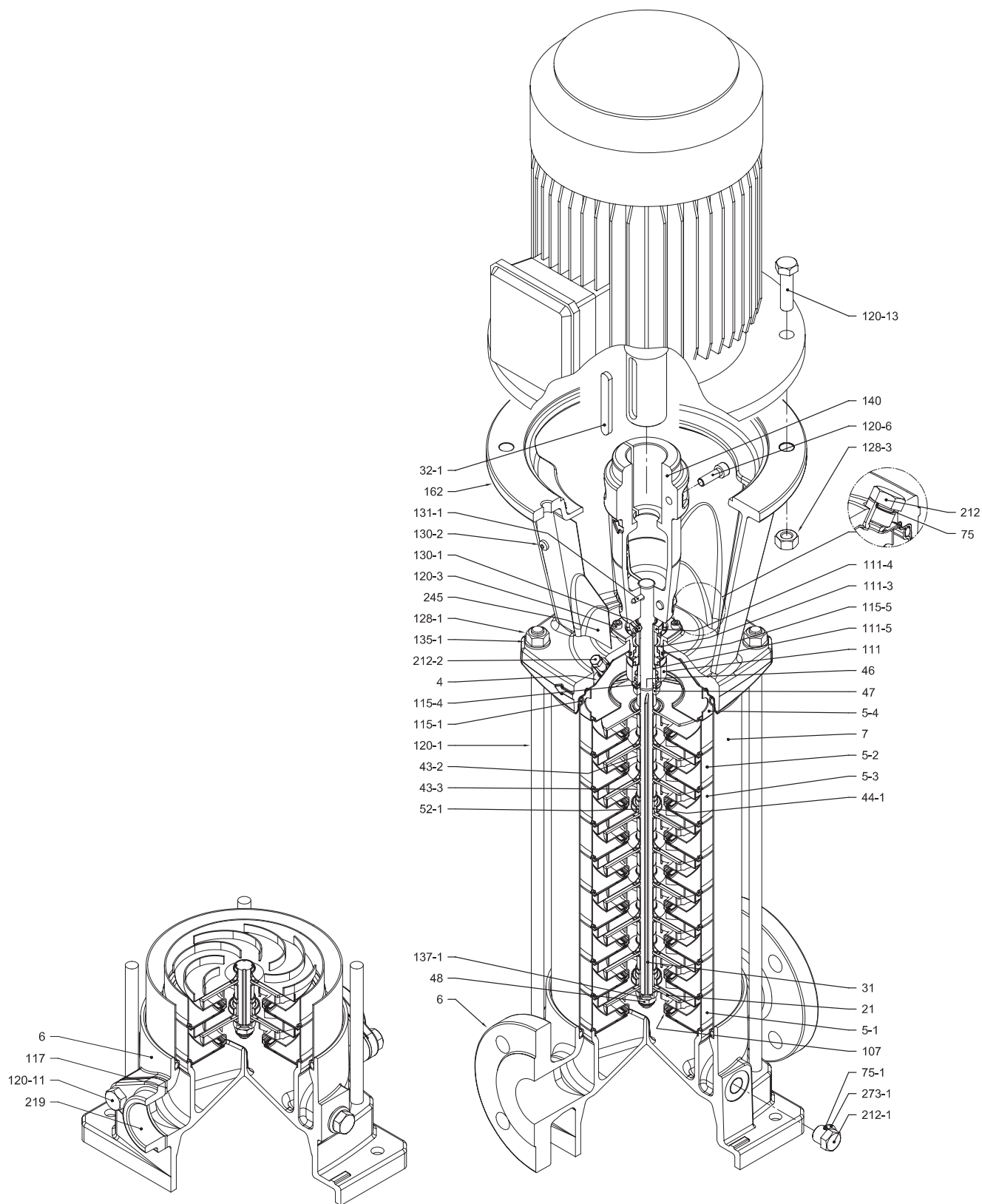


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	A Ø	Motor						Round flange (F)				Oval flange (N)			
					1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor	
					B	C	H3	B	C	H3			1~	3~			1~	3~
EVMSG10 2/0.75	1.6	0.75	80	120	163	145	286	157	136	236	343	24.3	42.3	37.8	343	21.6	39.6	35.1
EVMSG10 3/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	383	25.3	49.3	46.8	383	22.5	46.5	44
EVMSG10 4/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	413	26	53	50.5	413	23.3	50.3	47.8
EVMSG10 5/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	443	26.9	53.9	51.4	443	24.2	51.2	48.7
EVMSG10 6/2.2	1.6	2.2	90L	140	182	181	308	177	155	279	473	27.7	54.7	52.2	473	25	52	49.5
EVMSG10 7/3.0	1.6	3.0	100	160	205	191	358	198	165	316	513	28.7	68.7	60.7	513	26	66	58
EVMSG10 8/3.0	1.6	3.0	100	160	205	191	358	198	165	316	543	29.5	69.5	61.5	543	26.8	66.8	58.8
EVMSG10 9/4.0	1.6	4.0	112	160	-	-	-	235	185	333	573	30.4	-	71.5	573	27.7	-	98.7
EVMSG10 10/4.0	1.6	4.0	112	160	-	-	-	235	185	333	603	31.2	-	72.2	603	28.5	-	69.5
EVMSG10 11/4.0	1.6	4.0	112	160	-	-	-	235	185	333	633	32.9	-	73.9	633	30.1	-	71.1
EVMSG10 12/5.5	1.6	5.5	132	300	-	-	-	274	205	410	761	42.7	-	107.7	761	39.9	-	104.9
EVMSG10 14/5.5	1.6	5.5	132	300	-	-	-	274	205	410	821	44.5	-	109.5	821	41.8	-	106.8
EVMSG10 15/5.5	1.6	5.5	132	300	-	-	-	274	205	410	851	45.4	-	110.4	851	42.7	-	107.7
EVMSG10 16/7.5	2.5	7.5	132	300	-	-	-	274	205	410	881	46.3	-	119.3	-	-	-	-
EVMSG10 18/7.5	2.5	7.5	132	300	-	-	-	274	205	410	941	47.7	-	120.7	-	-	-	-
EVMSG10 19/7.5	2.5	7.5	132	300	-	-	-	274	205	410	971	49.1	-	122.1	-	-	-	-
EVMSG10 21/7.5	2.5	7.5	132	300	-	-	-	274	205	410	1031	50.9	-	123.9	-	-	-	-
EVMSG10 22/11	2.5	11	160	350	-	-	-	313	255	524	1091	53.2	-	151.2	-	-	-	-
EVMSG10 23/11	2.5	11	160	350	-	-	-	313	255	524	1121	59.9	-	157.9	-	-	-	-

Sectional View

**SECTIONAL VIEW
EVMSG10**



with Oval flange (N)

with Round flange (F)

Sectional Table

SECTIONAL TABLE EVMSG10

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD	
4	Casing cover	EN 1.4301 (AISI 304)			
5-1	Suction casing	EN 1.4301 (AISI 304)			
5-2	Intermediate casing	EN 1.4301 (AISI 304)			
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)			
5-4	Discharge casing	EN 1.4301 (AISI 304)			
6	Bottom casing	Cast Iron EN-GJL-250			
7	Outer casing	EN 1.4301 (AISI 304)			
21	Impeller	EN 1.4301 (AISI 304)			
31	Shaft	EN 1.4301 (AISI 304)			
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)			
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)			
44-1	Shaft sleeve bearing	Tungsten carbide			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4404 (AISI 316L)			
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M10		
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050	
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS			
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)			
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)			
115-1	O-Ring (outer casing)	EPDM / FPM	Ø164.46x5.34	OR 6945	
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø15.88x2.62	OR 4093	
115-5	O-Ring (seal flange)	EPDM / FPM	Ø37.77x2.62	OR 4175	
117	Flange gasket	EPDM / FPM			
120-1	Tie-rod	EN 1.4057 (AISI 431)	M12		
120-3	Screw (seal flange)	A2-70	M5x12	ISO 4762	
120-6	Screw (pump coupling)	Galvanized steel	up to 4.0 kW	M6x25	ISO 4762
			from 5.5 kW to 7.5 kW	M8x20	ISO 4762
			above 11 kW	M10x30	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	MEC 80	M6x20	ISO 4017
			MEC 90-100-112	M8x20	ISO 4017
			MEC 132	M12x40	UNI 5739
			MEC 160	M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70	M12	ISO 4032	
128-3	Nut (motor)	Galvanized steel	MEC 132	M12	ISO 4032
			MEC 160	M16	ISO 4032
128-6	Nut (aluminium coupling)	Galvanized steel	M6	ISO 4032	
130-1	Set screw	EN 1.4301 (AISI 304)	M5x8	ISO 4026	
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687	
131-1	Pin for shaft	Carbon Steel	Ø5x35	ISO 2338	
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø13x24x2.5	ISO 7089	
135-6	Washer (aluminium coupling)	Carbon Steel	Ø6		
137-1	Impeller spacer	EN 1.4301 (AISI 304)			
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8		
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8		
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N	Galvanized steel		
		flange type: F	Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)			

Quantity For Model

QUANTITY FOR MODEL EVMSG10

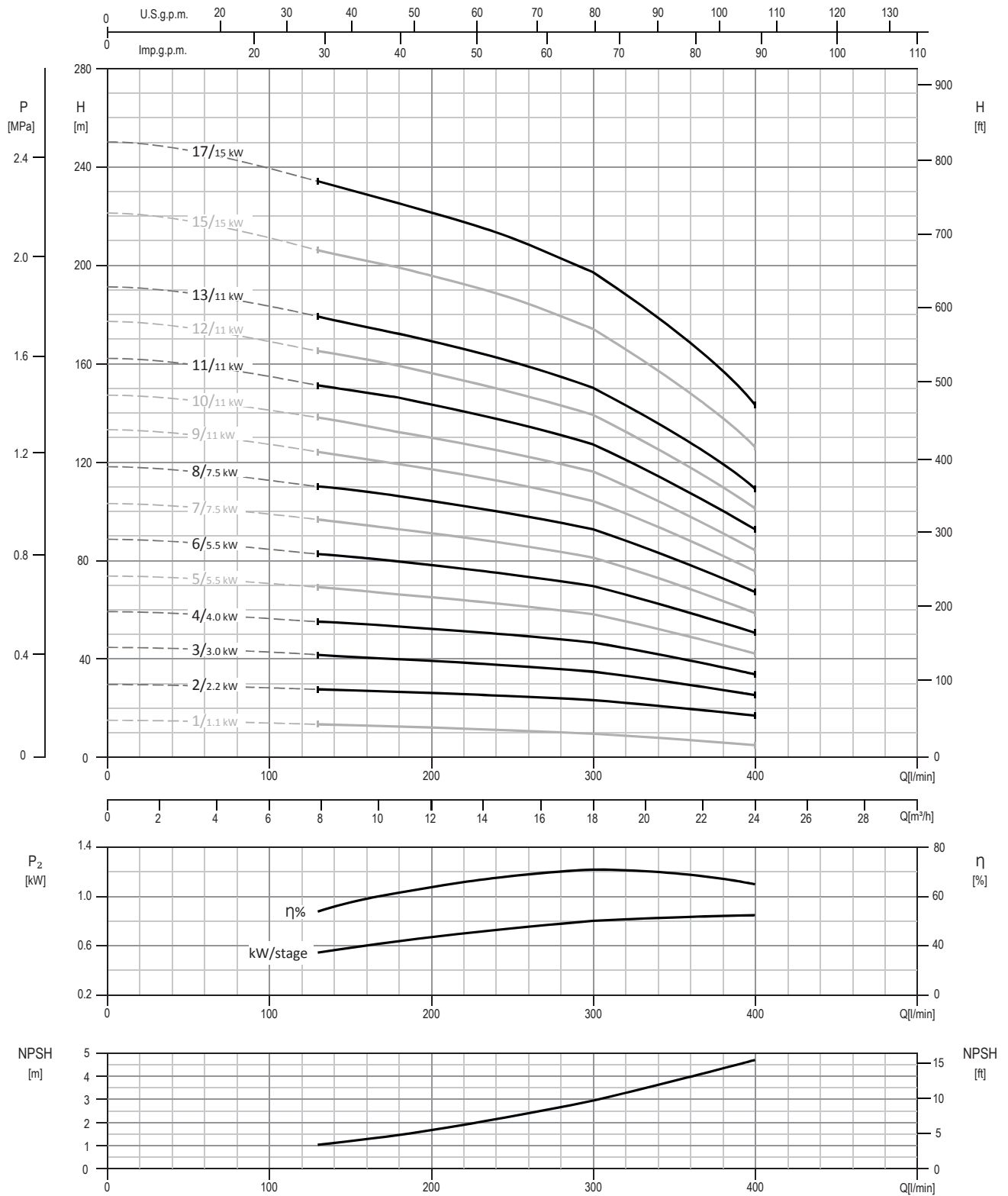
Pump Type	N°																										
	4	5-1	52	53	54	6	7	21	31	32-1	43-2	43-3	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMSG10 2/0.75	1	1	/	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	2	1	1	1	1	4	7	1	1	1	1	2	1	1
EVMSG10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	2	1	1	1	1	4	8	1	1	1	1	2	1	1
EVMSG10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	2	1	1	1	1	4	9	1	1	1	1	2	1	1
EVMSG10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	2	1	1	1	1	4	10	1	1	1	1	2	1	1
EVMSG10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	2	1	1	1	1	4	11	1	1	1	1	2	1	1
EVMSG10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1
EVMSG10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	2	1	1	2	1	4	18	1	1	1	1	2	1	1
EVMSG10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	2	1	1	2	1	4	19	1	1	1	1	2	1	1
EVMSG10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	2	1	1	2	1	4	21	1	1	1	1	2	1	1
EVMSG10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	2	1	1	2	1	4	22	1	1	1	1	2	1	1
EVMSG10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	2	1	1	3	1	4	23	1	1	1	1	2	1	1

Pump Type	N°																						
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG10 2/0.75	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 3/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 4/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 5/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 6/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 7/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 8/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 9/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 10/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 11/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG10 12/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG10 14/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG10 15/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG10 16/7.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG10 18/7.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG10 19/7.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG10 21/7.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG10 22/11	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG10 23/11	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	

* only for Oval flange (N)
128-6 / 135-6: with Aluminium coupling

Performance Curve

PERFORMANCE CURVE EVMS(L)15

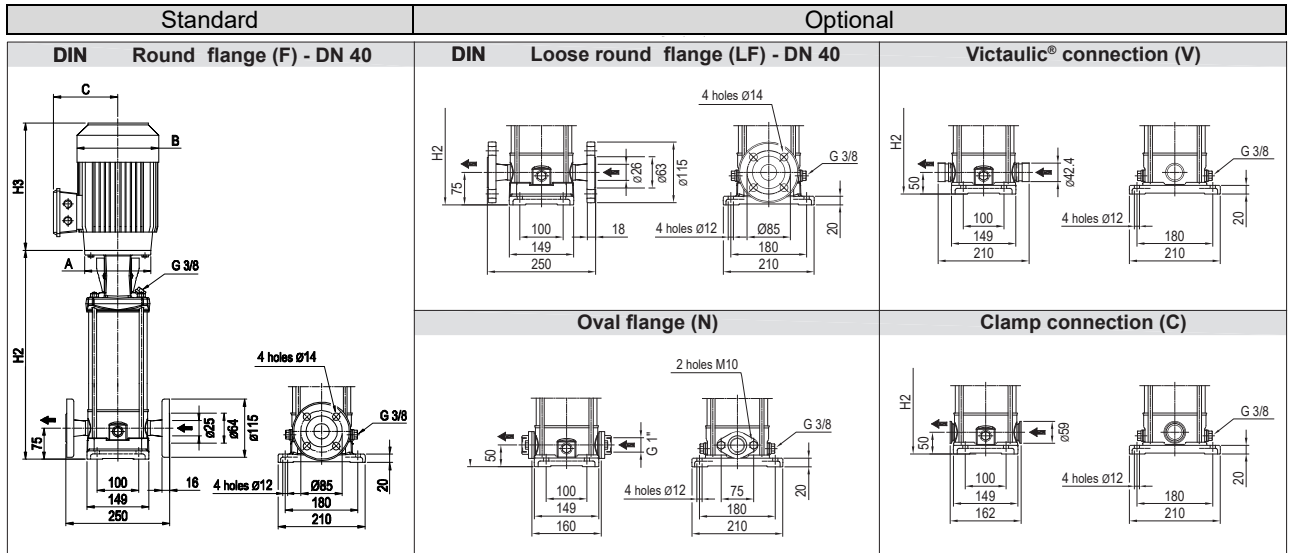


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMS(L)15

Dimensional sketch

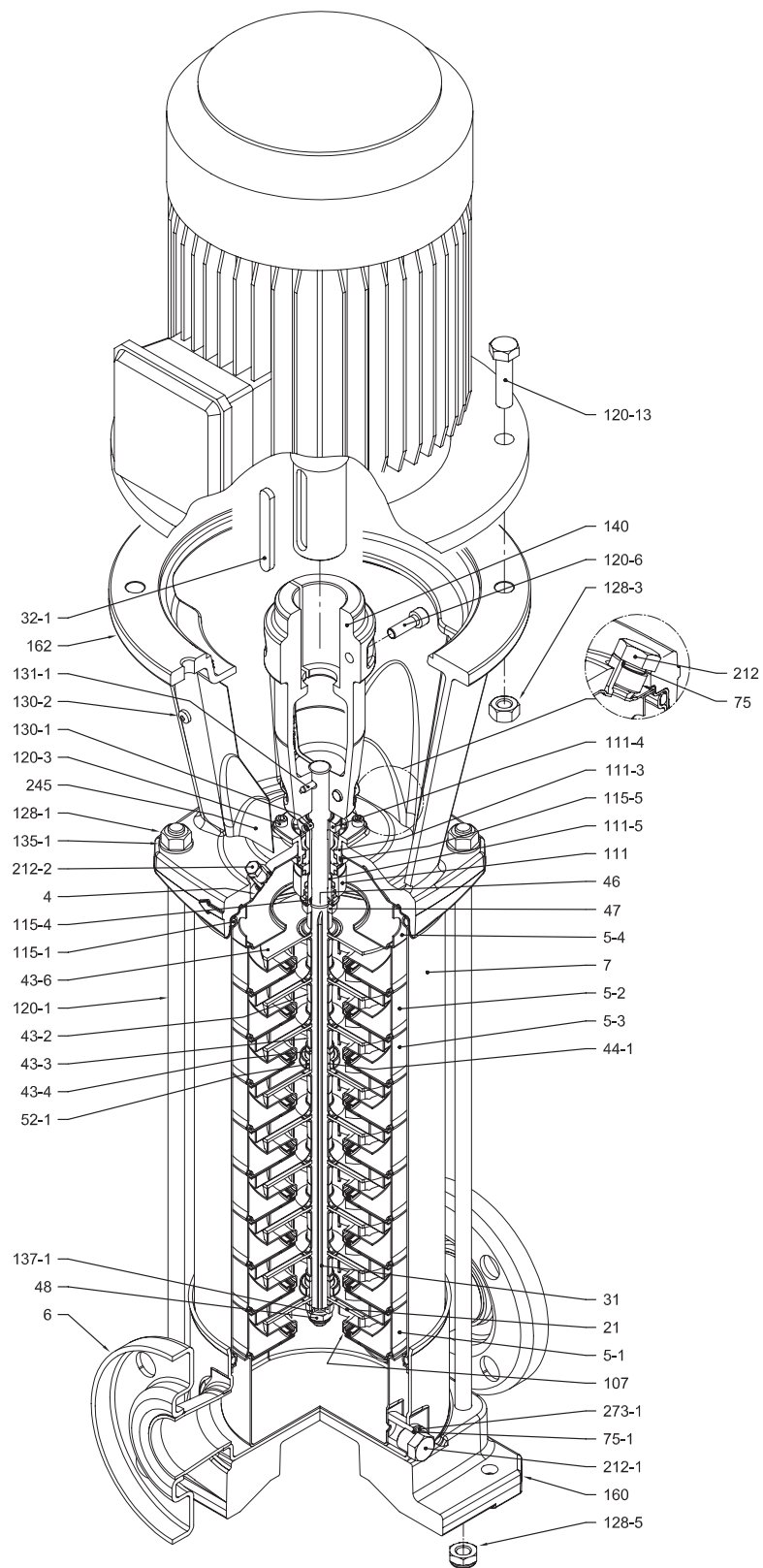


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	A Ø	Motor									Round flange (F) Loose round flange (LF)			Oval flange (N)			Victaulic® connection (V) Clamp connection (C)		
					1~			3~			H2	Weight Pump	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor	H2	Weight Pump	Weight Pump + Motor			
					B	C	H3	B	C	H3										1~	3~	1~
EVMS(L)15 1/1.1	1.6	1.1	80	120	163	145	286	157	136	236	377	18.8	37.8	33.8	377	18	37	33	377	16.9	35.9	31.9
EVMS(L)15 2/2.2	1.6	2.2	90	140	182	181	308	177	155	279	387	19.1	46.1	43.6	387	18.3	45.3	42.8	387	17.2	44.2	41.7
EVMS(L)15 3/3.0	1.6	3.0	100	160	205	191	358	198	165	316	437	20.4	60.4	52.4	437	19.6	59.6	51.6	437	18.5	58.5	50.5
EVMS(L)15 4/4.0	1.6	4.0	112	160	-	-	-	235	185	333	477	21.6	-	62.6	477	20.8	-	61.8	477	19.7	-	60.7
EVMS(L)15 5/5.5	1.6	5.5	132	300	-	-	-	274	205	410	614	31.3	-	96.3	614	30.5	-	95.5	614	29.4	-	94.4
EVMS(L)15 6/5.5	1.6	5.5	132	300	-	-	-	274	205	410	654	32.5	-	97.5	654	31.7	-	96.7	654	30.6	-	95.6
EVMS(L)15 7/7.5	1.6	7.5	132	300	-	-	-	274	205	410	694	34.7	-	107.7	694	33.9	-	106.9	694	32.8	-	105.8
EVMS(L)15 8/7.5	1.6	7.5	132	300	-	-	-	274	205	410	734	36	-	109	734	35.2	-	108.2	734	34.1	-	107.1
EVMS(L)15 9/11	1.6	11	160	350	-	-	-	313	255	524	804	37.3	-	135.3	804	36.5	-	134.5	804	35.4	-	133.4
EVMS(L)15 10/11	1.6	11	160	350	-	-	-	313	255	524	844	38.6	-	136.6	844	37.8	-	135.8	844	36.7	-	134.7
EVMS(L)15 11/11	1.6	11	160	350	-	-	-	313	255	524	884	46.6	-	144.6	884	45.8	-	143.8	884	44.7	-	142.7
EVMS(L)15 12/11	2.5	11	160	350	-	-	-	313	255	524	924	47.9	-	145.9	-	-	-	-	924	46	-	144
EVMS(L)15 13/11	2.5	11	160	350	-	-	-	313	255	524	964	49.2	-	147.2	-	-	-	-	964	47.3	-	145.3
EVMS(L)15 15/15	2.5	15	160	350	-	-	-	313	255	524	1044	51.8	-	154.8	-	-	-	-	1044	49.9	-	152.9
EVMS(L)15 17/15	2.5	15	160	350	-	-	-	313	255	524	1124	54.7	-	157.7	-	-	-	-	1124	52.8	-	155.8

Sectional View

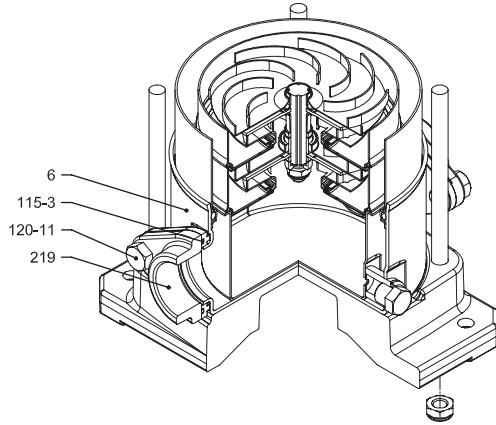
SECTIONAL VIEW
EVMS(L)15



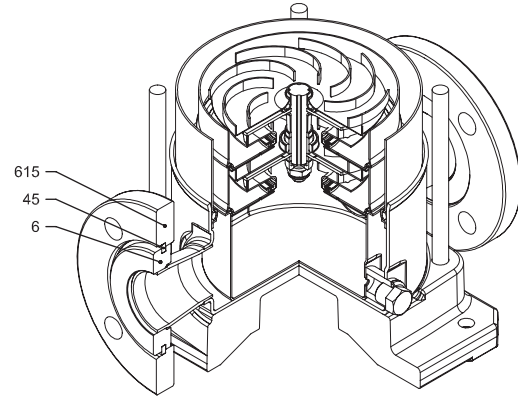
with Round flange (F)

Pipe Connection

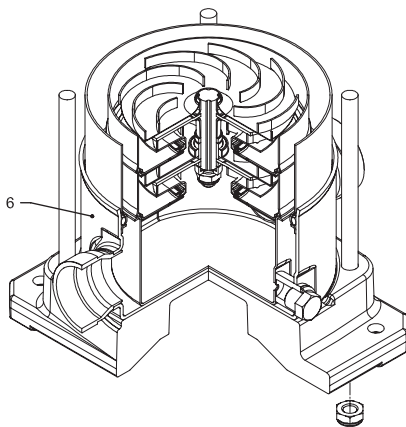
PIPE CONNECTION EVMS(L)15 (Option on request)



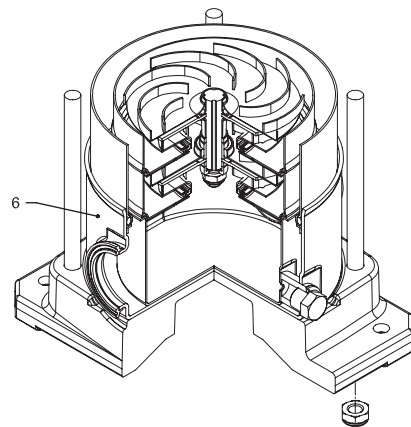
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)15

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-6	Washer	EN 1.4404 (AISI 316L)		Ø26x2.5	
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M10	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø164.46x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø15.88x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø37.77x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M12	
120-3	Screw (seal flange)	A2-70		M5x12	ISO 4762
120-6	Screw (pump coupling)	up to 4.0 kW	Galvanized steel	M6x25	ISO 4762
		from 5.5 kW to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
		MEC 90-100-112		M8x20	ISO 4017
		MEC 132		M12x40	ISO 4017
		MEC 160		M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70		M12	ISO 4032
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	ISO 4032
		MEC 160		M16	ISO 4032
128-5	Nut (tie rod)	A2-70		M12	UNI 7474
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø5x35	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø13x24x2.5	ISO 7089
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11 Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
160	Base	Die cast Aluminium EN AB-AISI11 Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	fange type: N	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)	
		fange type: LF-F- C	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Carbon Steel			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)15

Pump Type	N°																															
	4	5-1	52	53	54	6	7	21	31**	32-1	43-2	43-3	43-4	43-6	44-1	45*	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5	
EVMS(L)15 1/1.1	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	4	2	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1
EVMS(L)15 2/2.2	1	1	/	1	1	1	1	2	1	1	1	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	1	2	2	1	1
EVMS(L)15 3/3.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	4	2	1	1	1	1	2	3	1	1	1	1	1	2	2	1	1
EVMS(L)15 4/4.0	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	1	2	4	1	1	1	1	2	2	1	1
EVMS(L)15 5/5.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	1	2	2	1	1
EVMS(L)15 6/5.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	4	2	1	1	1	1	2	6	1	1	1	1	1	2	2	1	1
EVMS(L)15 7/7.5	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	4	2	1	1	2	1	2	7	1	1	1	1	1	2	2	1	1
EVMS(L)15 8/7.5	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	4	2	1	1	2	1	2	8	1	1	1	1	1	2	2	1	1
EVMS(L)15 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	4	2	1	1	2	1	2	9	1	1	1	1	1	2	2	1	1
EVMS(L)15 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	4	2	1	1	2	1	2	10	1	1	1	1	2	2	1	1	
EVMS(L)15 11/11	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	2	2	1	1	
EVMS(L)15 12/11	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	4	2	1	1	2	1	2	12	1	1	1	1	2	/	1	1	
EVMS(L)15 13/11	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	2	/	1	1	
EVMS(L)15 15/15	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	4	2	1	1	2	1	2	15	1	1	1	1	2	/	1	1	
EVMS(L)15 17/15	1	1	13	3	1	1	1	17	1	1	27	2	3	/	3	4	2	1	1	3	1	2	17	1	1	1	1	2	/	1	1	

Pump Type	N°																								
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)15 1/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 2/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 3/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 4/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 5/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 6/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 7/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 8/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 9/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 10/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 11/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)15 12/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 13/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 15/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)15 17/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)

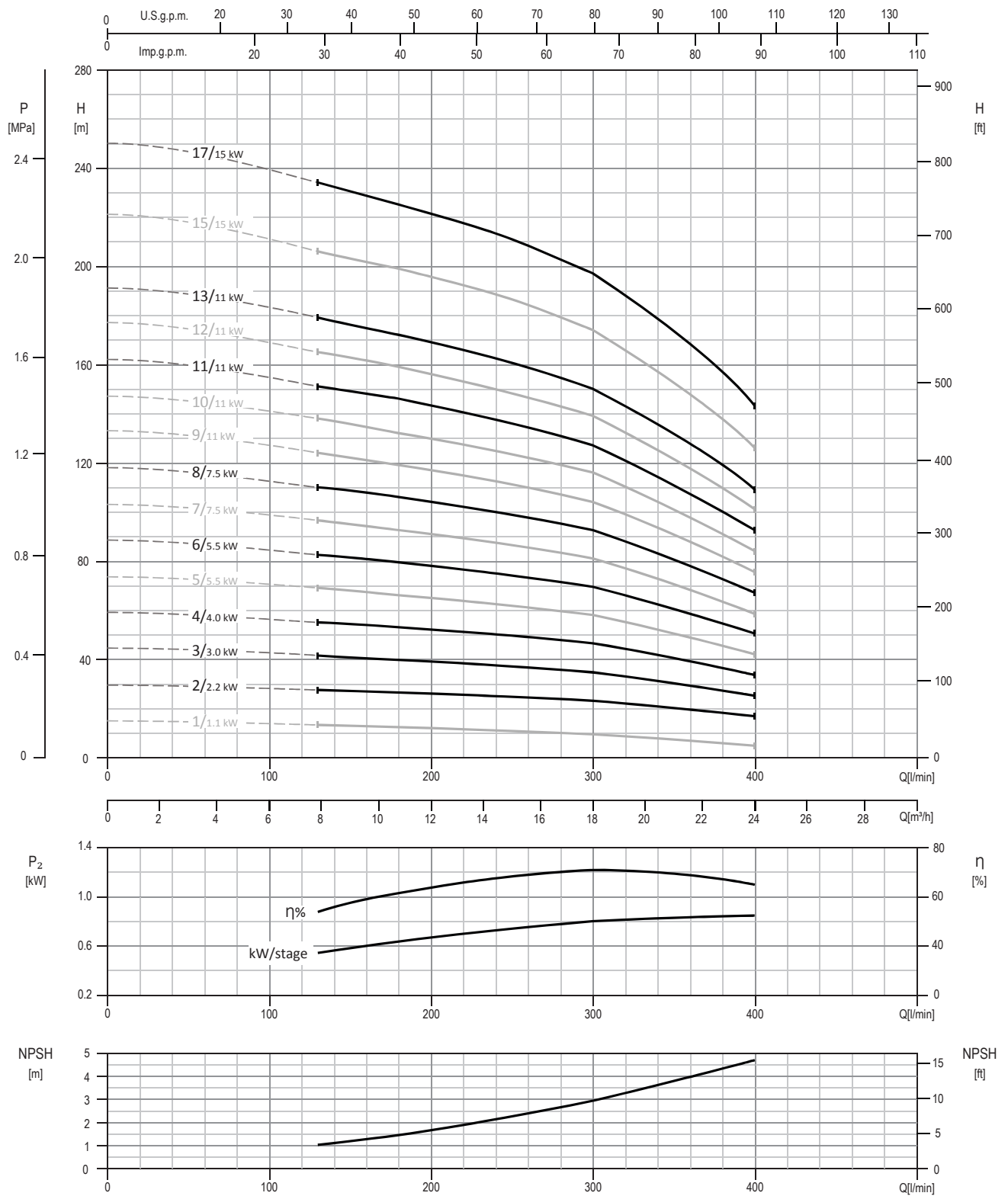
** only for Loose round flange (LF)

** shaft in EN 1.4462 (AISI 329A)

128-6 / 135-6: with Aluminium coupling

Performance Curve

PERFORMANCE CURVE EVMSG15

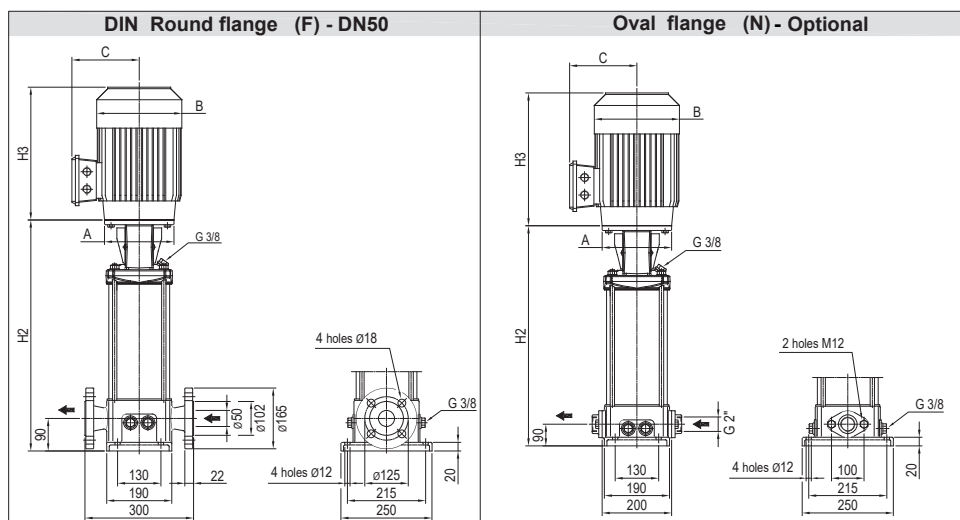


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG15

Dimensional sketch

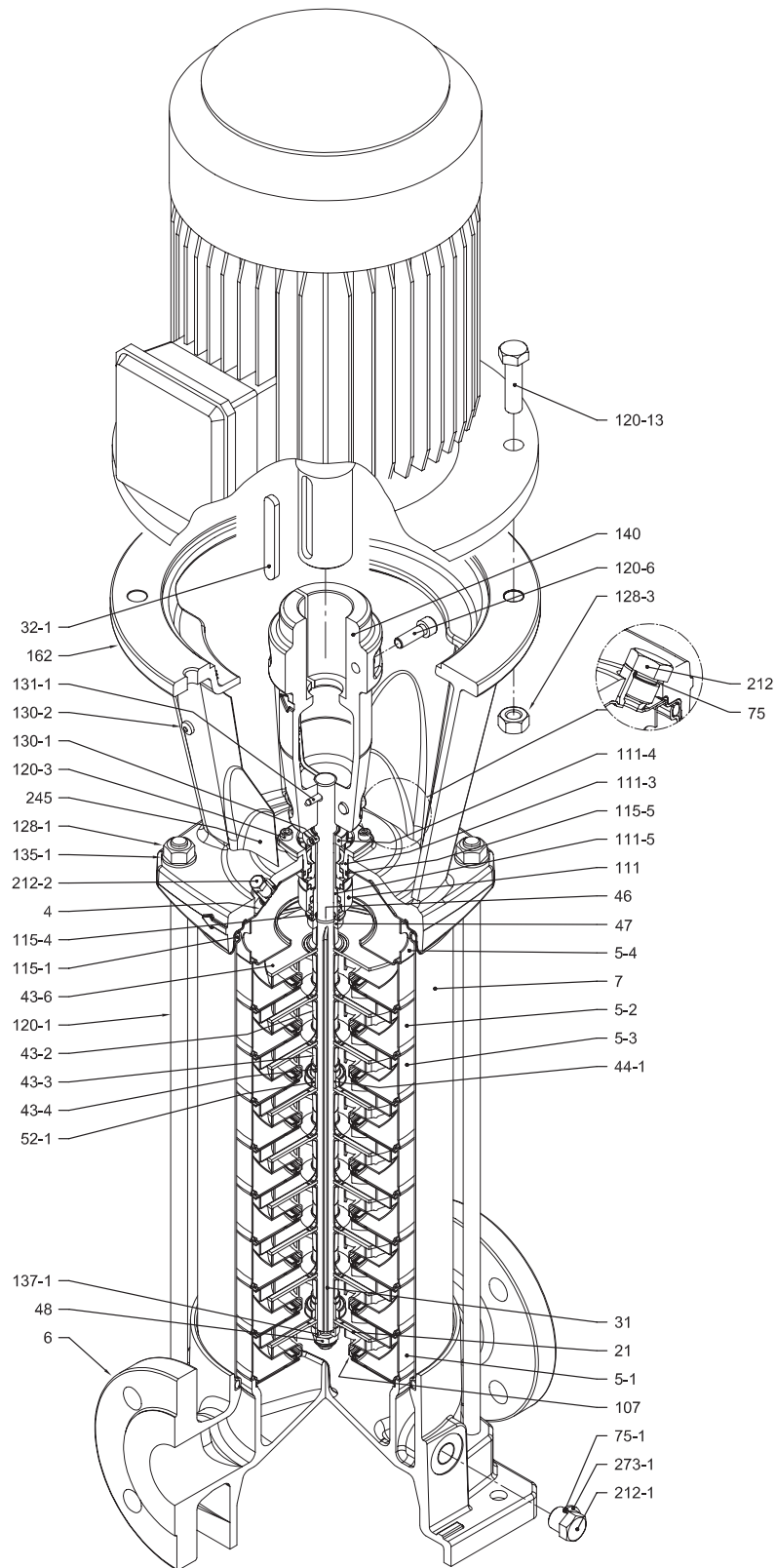


Dimensions [mm] and Weights [Kg]

Pump type	P _{max} [MPa]	kW	Size	A Ø	Motor									Round flange (F)			Oval flange (N)		
					1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor		
					B	C	H3	B	C	H3			1~	3~			1~	3~	
EVMSG15 1/1.1	1.6	1.1	80	120	163	145	286	157	136	236	377	26.9	45.9	41.9	377	22.4	41.4	37.4	
EVMSG15 2/2.2	1.6	2.2	90	140	182	181	308	177	155	279	387	27.2	54.2	51.7	387	22.6	49.6	47.1	
EVMSG15 3/3.0	1.6	3.0	100	160	205	191	358	198	165	316	437	28.5	68.5	60.5	437	24.0	64	56	
EVMSG15 4/4.0	1.6	4.0	112	160	-	-	-	235	185	333	477	29.7	-	70.7	477	25.2	-	66.2	
EVMSG15 5/5.5	1.6	5.5	132	300	-	-	-	274	205	410	614	39.5	-	104.5	614	34.9	-	99.9	
EVMSG15 6/5.5	1.6	5.5	132	300	-	-	-	274	205	410	654	40.7	-	105.7	654	36.1	-	101.1	
EVMSG15 7/7.5	1.6	7.5	132	300	-	-	-	274	205	410	694	42.9	-	115.9	694	38.3	-	111.3	
EVMSG15 8/7.5	1.6	7.5	132	300	-	-	-	274	205	410	734	44.2	-	117.2	734	39.6	-	112.6	
EVMSG15 9/11	1.6	11	160	350	-	-	-	313	255	524	804	45.5	-	143.5	804	40.9	-	138.9	
EVMSG15 10/11	1.6	11	160	350	-	-	-	313	255	524	844	46.8	-	144.8	844	42.2	-	140.2	
EVMSG15 11/11	1.6	11	160	350	-	-	-	313	255	524	884	54.7	-	152.7	884	50.2	-	148.2	
EVMSG15 12/11	2.5	11	160	350	-	-	-	313	255	524	924	56	-	154	-	-	-	-	
EVMSG15 13/11	2.5	11	160	350	-	-	-	313	255	524	964	57.3	-	155.3	-	-	-	-	
EVMSG15 15/15	2.5	15	160	350	-	-	-	313	255	524	1044	59.9	-	155.9	-	-	-	-	
EVMSG15 17/15	2.5	15	160	350	-	-	-	313	255	524	1124	62.8	-	165.8	-	-	-	-	

Sectional View

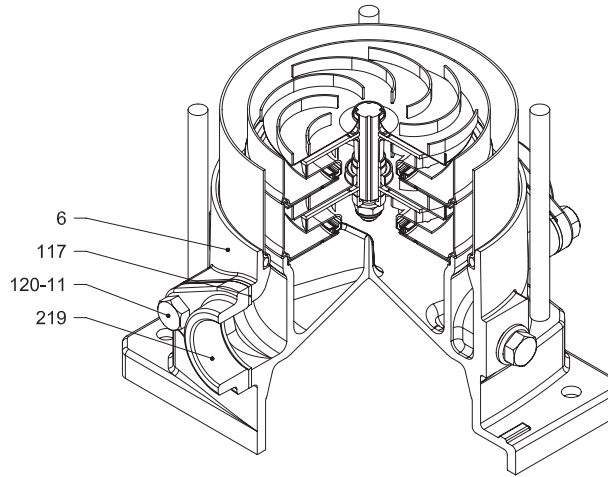
**SECTIONAL VIEW
EVMSG15**



with Round flange (F)

Pipe Connection

**PIPE CONNECTION EVMSG15
(Option on request)**



with Oval flange (N)

Sectional Table

SECTIONAL TABLE EVMSG15

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD	
4	Casing cover	EN 1.4301 (AISI 304)			
5-1	Suction casing	EN 1.4301 (AISI 304)			
5-2	Intermediate casing	EN 1.4301 (AISI 304)			
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)			
5-4	Discharge casing	EN 1.4301 (AISI 304)			
6	Bottom casing	Cast Iron EN-GJL-250			
7	Outer casing	EN 1.4301 (AISI 304)			
21	Impeller	EN 1.4301 (AISI 304)			
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)			
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)			
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)			
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)			
43-6	Washer	EN 1.4404 (AISI 316L)	Ø26x2.5		
44-1	Shaft sleeve bearing	Tungsten carbide			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4404 (AISI 316L)			
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M10		
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050	
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS			
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)			
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)			
115-1	O-Ring (outer casing)	EPDM / FPM	Ø164.46x5.34	OR 6945	
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø15.88x2.62	OR 4093	
115-5	O-Ring (seal flange)	EPDM / FPM	Ø37.77x2.62	OR 4175	
117	Flange gasket	EPDM / FPM			
120-1	Tie-rod	EN 1.4057 (AISI 431)	M12		
120-3	Screw (seal flange)	A2-70	M5x12	ISO 4762	
120-6	Screw (pump coupling)	Galvanized steel 6.8 strength class ISO 898/1	up to 4.0 kW	M6x25	ISO 4762
			from 5.5 kW to 7.5 kW	M8x20	ISO 4762
				M10x30	ISO 4762
			above 11 kW		
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	MEC 80	M6x20	ISO 4017
			MEC 90-100-112	M8x20	ISO 4017
			MEC 132	M12x40	ISO 4017
			MEC 160	M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70	M12	ISO 4032	
128-3	Nut (motor)	Galvanized steel	MEC 132	M12	ISO 4032
			MEC 160	M16	ISO 4032
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)	M5x8	ISO 4026	
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687	
131-1	Pin for shaft	Carbon Steel	Ø5x35	ISO 2338	
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø13x24x2.5	ISO 7089	
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)			
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8		
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8		
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N	Galvanized steel		
		flange type: F	Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)			

Quantity For Model

QUANTITY FOR MODEL EVMSG15

Pump Type	N°																												
	4	5-1	52	53	54	6	7	21	31***	32-1	432	433	434	436	44-1	46	47	48	52-1	75	75-1	107	111	111-3	1114	111-5	115-1	1154	1155
EVMSG15 1/1.1	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	4	1	1	1	1	1	2	1	1
EVMSG15 2/2.2	1	1	/	1	1	1	1	2	1	1	1	1	1	/	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG15 3/3.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG15 4/4.0	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG15 5/5.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG15 6/5.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG15 7/7.5	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	2	1	1	2	1	4	7	1	1	1	1	2	1	1
EVMSG15 8/7.5	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	2	1	1	2	1	4	8	1	1	1	1	2	1	1
EVMSG15 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	2	1	1	2	1	4	9	1	1	1	1	2	1	1
EVMSG15 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	2	1	1	2	1	4	10	1	1	1	1	2	1	1
EVMSG15 11/11	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG15 12/11	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG15 13/11	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG15 15/15	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG15 17/15	1	1	13	3	1	1	1	17	1	1	27	2	3	/	3	2	1	1	3	1	4	17	1	1	1	1	2	1	1

Pump Type	N°																						
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG15 1/1.1	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 2/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 3/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 4/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG15 5/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 6/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 7/7.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 8/7.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 9/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 10/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 11/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG15 12/11	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG15 13/11	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG15 15/15	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG15 17/15	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	

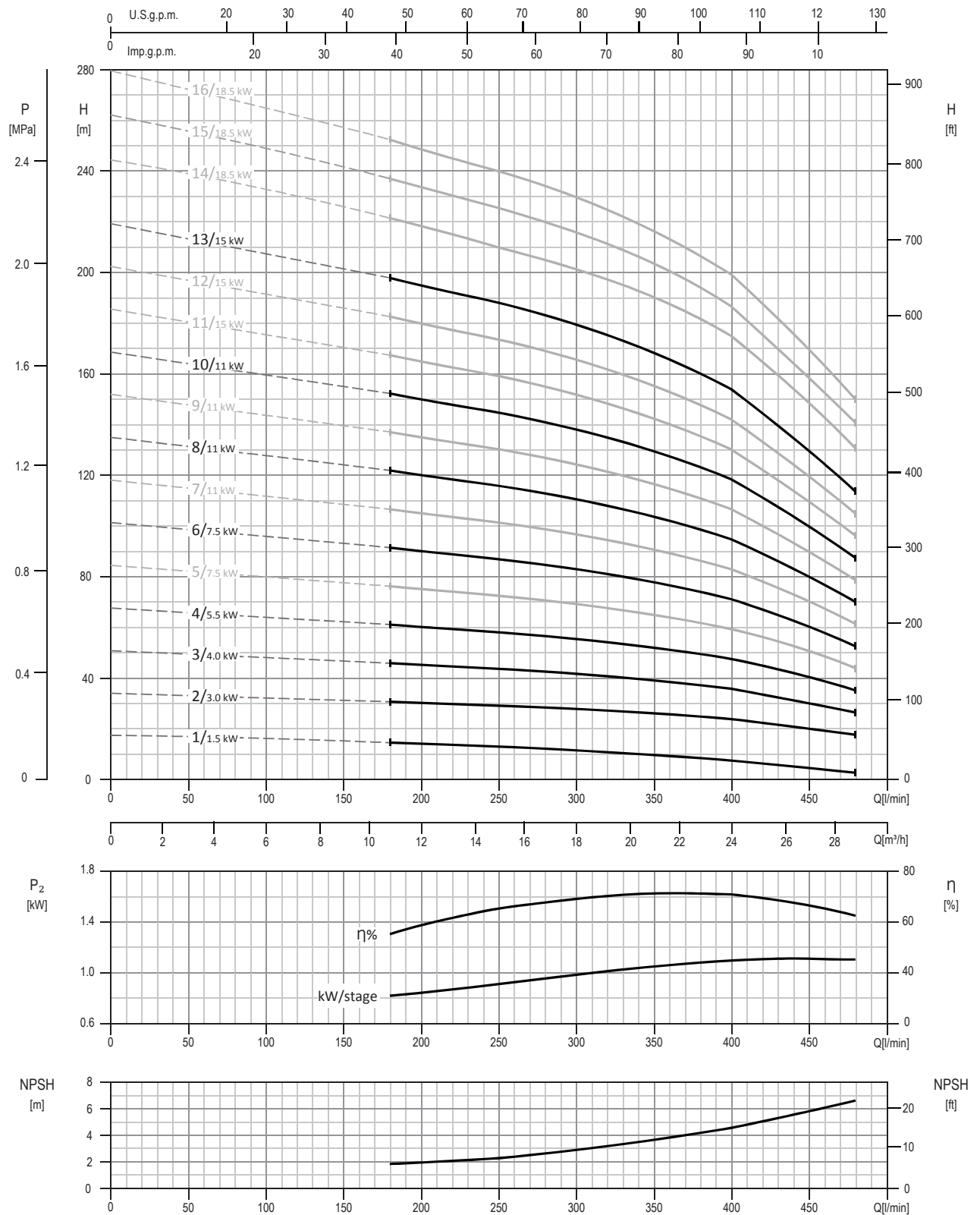
* only for Oval flange (N)

*** shaft in EN 1.4462 (AISI 329A)

128-6 / 135-6: with Aluminium coupling

Performance Curve

PERFORMANCE CURVE EVMS(L)20

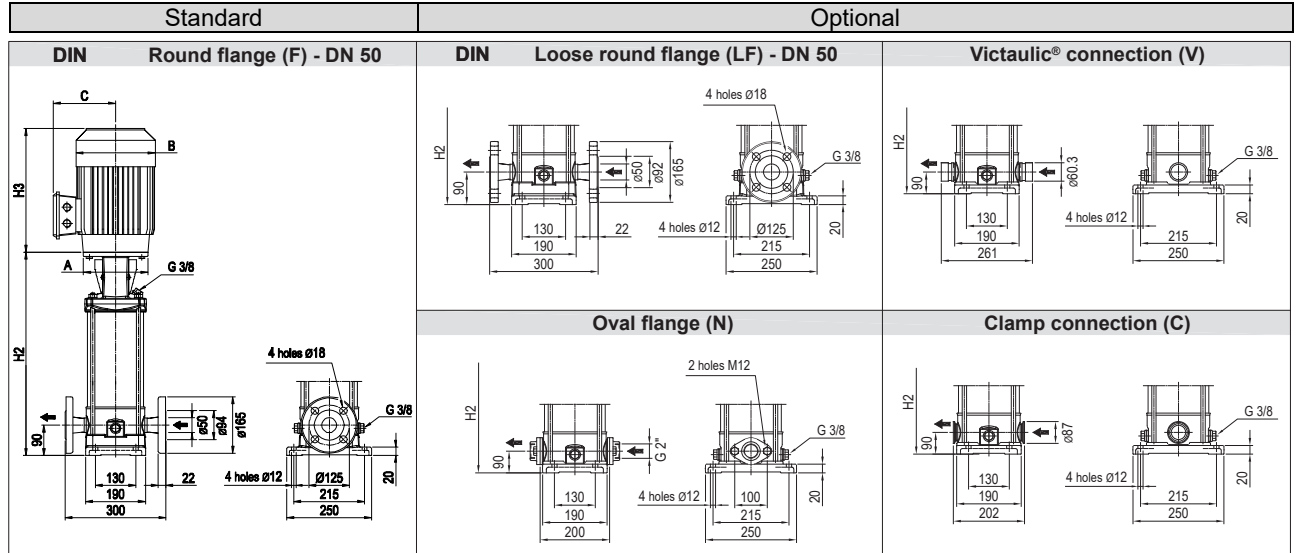


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMS(L)20

Dimensional sketch

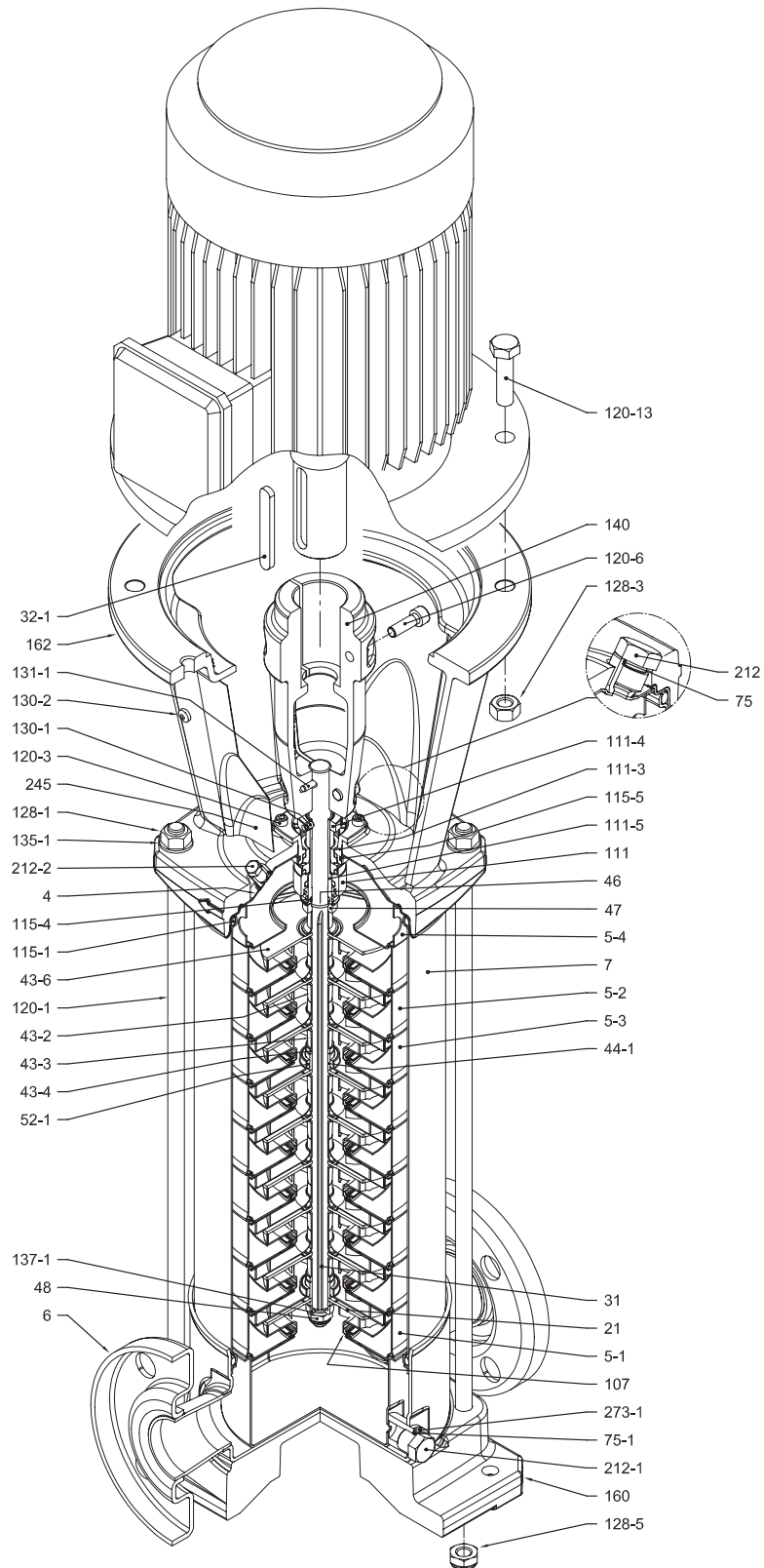


Dimensions [mm] and Weights [Kg]

Pump type	Pmax [MPa]	kW	Size	A Ø	Motor									Round flange (F) Loose round flange (LF)				Oval flange (N)				Victaulic® connection (V) Clamp connection (C)			
					1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor				
					B	C	H3	B	C	H3			1~	3~			1~	3~			1~	3~	1~	3~	
EVMS(L)20 1/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	387	20	44	40.6	387	18.2	42.2	39.7	387	17.1	41.1	38.6			
EVMS(L)20 2/3.0	1.6	3.0	100	160	205	191	358	198	165	316	397	19.1	59.1	51.1	397	18.3	58.3	50.3	397	17.2	57.2	49.2			
EVMS(L)20 3/4.0	1.6	4.0	112	160	-	-	-	235	185	333	437	20.5	-	61.5	437	19.7	-	60.7	437	18.6	-	59.6			
EVMS(L)20 4/5.5	1.6	5.5	132	300	-	-	-	274	205	410	574	26.4	-	91.4	574	25.6	-	90.6	574	24.5	-	89.5			
EVMS(L)20 5/7.5	1.6	7.5	132	300	-	-	-	274	205	410	614	27.7	-	100.7	614	26.9	-	99.9	614	25.8	-	98.8			
EVMS(L)20 6/7.5	1.6	7.5	132	300	-	-	-	274	205	410	654	28.9	-	101.9	654	28.1	-	101.1	654	27	-	100			
EVMS(L)20 7/11	1.6	11	160	350	-	-	-	313	255	524	724	31.2	-	129.2	724	30.4	-	128.4	724	29.3	-	127.3			
EVMS(L)20 8/11	1.6	11	160	350	-	-	-	313	255	524	764	43	-	141	764	42.2	-	140.2	764	41.1	-	139.1			
EVMS(L)20 9/11	1.6	11	160	350	-	-	-	313	255	524	804	44.3	-	142.3	807	43.5	-	141.5	804	42.4	-	140.4			
EVMS(L)20 10/11	2.5	11	160	350	-	-	-	313	255	524	844	45.7	-	143.7	-	-	-	-	844	43.8	-	141.8			
EVMS(L)20 11/15	2.5	15	160	350	-	-	-	313	255	524	884	47	-	150	-	-	-	-	884	45.1	-	148.1			
EVMS(L)20 12/15	2.5	15	160	350	-	-	-	313	255	524	924	48.3	-	151.3	-	-	-	-	924	46.4	-	149.4			
EVMS(L)20 13/15	2.5	15	160	350	-	-	-	313	255	524	964	49.6	-	152.6	-	-	-	-	964	47.7	-	150.7			
EVMS(L)20 14/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1004	51	-	175	-	-	-	-	1004	49.1	-	173.1			
EVMS(L)20 15/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1044	52.3	-	176.3	-	-	-	-	1044	50.4	-	174.4			
EVMS(L)20 16/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1084	53.6	-	177.6	-	-	-	-	1084	51.7	-	175.7			

Sectional View

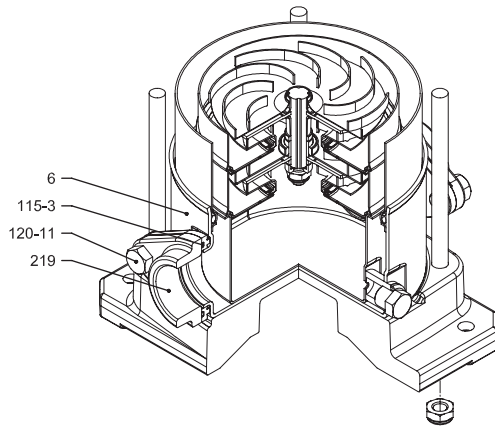
**SECTIONAL VIEW
EVMS(L)20**



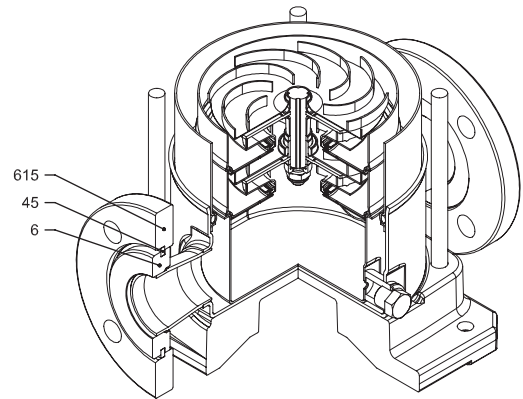
with Round flange (F)

Pipe Connection

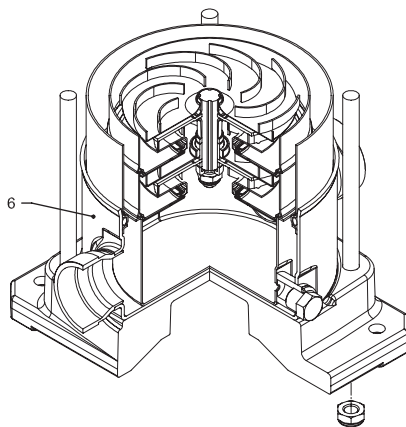
PIPE CONNECTION EVMS(L)20 (Option on request)



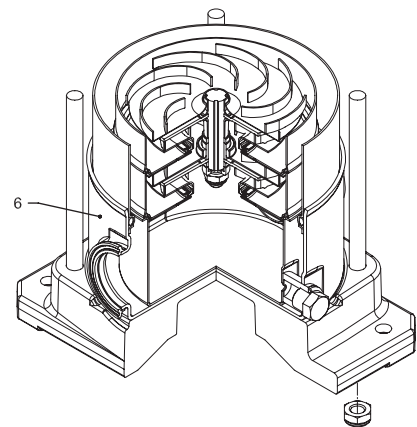
with Oval flange (N)



with Loose round flange (LF)



with Victaulic® connection (V)



with Clamp connection (C)

Sectional Table

SECTIONAL TABLE EVMS(L)20

N°	PART NAME	MATERIAL		DIMENSIONS	STANDARD
		EVMS	EVMSL		
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-1	Suction casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-2	Intermediate casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
5-4	Discharge casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
6	Bottom casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
7	Outer casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
21	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)	EN 1.4404 (AISI 316L) - EN 1.4462 (AISI 329A)		
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
43-6	Washer	EN 1.4404 (AISI 316L)		Ø26x2.5	
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	EN 1.4401 (AISI 316) with inox insert	M10	
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM		Ø12.37x2.62	OR 3050
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS	EN 1.4404 (AISI 316L) + PPS		
111	Mechanical seal	see page 100			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)		
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
115-1	O-Ring (outer casing)	EPDM / FPM		Ø164.46x5.34	OR 6945
115-3	O-Ring	EPDM / FPM			
115-4	O-Ring (cartridge sleeve)	EPDM / FPM		Ø15.88x2.62	OR 4093
115-5	O-Ring (seal flange)	EPDM / FPM		Ø37.77x2.62	OR 4175
120-1	Tie-rod	EN 1.4057 (AISI 431)		M12	
120-3	Screw (seal flange)	A2-70		M5x12	ISO 4762
120-6	Screw (pump coupling)	up to 4.0 kW	Galvanized steel	M6x25	ISO 4762
		from 5.5 kW to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	MEC 90-100-112	Galvanized steel 8.8 strength class ISO 898/1	M8x20	ISO 4017
		MEC 132		M12x40	ISO 4017
		MEC 160		M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70		M12	ISO 4032
128-3	Nut (motor)	MEC 132 MEC 160	Galvanized steel	M12	ISO 4032
				M16	ISO 4032
128-5	Nut (tie rod)	A2-70		M12	UNI 7474
128-6	Nut (aluminium coupling)	MEC 71-80-90-100-112	Galvanized steel	M6	ISO 4032
130-1	Set screw	EN 1.4301 (AISI 304)		M5x8	ISO 4026
130-2	Screw for coupling guard	A2-70		M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel		Ø5x35	ISO 2338
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)		Ø13x24x2.5	ISO 7089
135-6	Washer (aluminium coupling)	up to 4.0 kW	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
140	Coupling	up to 4.0 kW above 5.5 kW	Die cast Aluminium EN AB-AISI11 Cu2 (Fe) Cast Iron		
160	Base	Die cast Aluminium EN AB-AISI11 Cu2 (Fe)			
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-1	Drainage plug	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N	EN 1.4308 (ASTM CF8)	EN 1.4408 (ASTM CF8M)	
		flange type: LF-F- -C	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)		
615	Flange	Carbon Steel			

Quantity For Model

QUANTITY FOR MODEL EVMS(L)20

Pump Type	N°																															
	4	5-1	52	53	54	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	45*	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-3*	115-4	115-5	
EVMS(L)20 1/1.5	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	4	2	1	1	1	1	2	1	1	1	1	1	2	2	1	1	
EVMS(L)20 2/3.0	1	1	/	1	1	1	1	2	1	1	1	1	1	/	1	4	2	1	1	1	1	2	2	1	1	1	1	1	2	2	1	1
EVMS(L)20 3/4.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	4	2	1	1	1	1	2	3	1	1	1	1	1	2	2	1	1
EVMS(L)20 4/5.5	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	4	2	1	1	1	1	2	4	1	1	1	1	2	2	1	1	
EVMS(L)20 5/7.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	4	2	1	1	1	1	2	5	1	1	1	1	2	2	1	1	
EVMS(L)20 6/7.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	4	2	1	1	1	1	2	6	1	1	1	1	2	2	1	1	
EVMS(L)20 7/11	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	4	2	1	1	2	1	2	7	1	1	1	1	2	2	1	1	
EVMS(L)20 8/11	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	4	2	1	1	2	1	2	8	1	1	1	1	2	2	1	1	
EVMS(L)20 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	4	2	1	1	2	1	2	9	1	1	1	1	2	2	1	1	
EVMS(L)20 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	4	2	1	1	2	1	2	10	1	1	1	1	2	/	1	1	
EVMS(L)20 11/15	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	4	2	1	1	2	1	2	11	1	1	1	1	2	/	1	1	
EVMS(L)20 12/15	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	4	2	1	1	2	1	2	12	1	1	1	1	2	/	1	1	
EVMS(L)20 13/15	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	4	2	1	1	2	1	2	13	1	1	1	1	2	/	1	1	
EVMS(L)20 14/18.5	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	4	2	1	1	2	1	2	14	1	1	1	1	2	/	1	1	
EVMS(L)20 15/18.5	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	4	2	1	1	2	1	2	15	1	1	1	1	2	/	1	1	
EVMS(L)20 16/18.5	1	1	13	2	1	1	1	16	1	1	27	2	2	/	2	4	2	1	1	2	1	2	16	1	1	1	1	2	/	1	1	

Pump Type	N°																								
	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	219*	245	273-1	615**
EVMS(L)20 1/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 2/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 3/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 4/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 5/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 6/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 7/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 8/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 9/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2	2	2	2
EVMS(L)20 10/11	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 11/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 12/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 13/15	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 14/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 15/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2
EVMS(L)20 16/18.5	4	4	4	/	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	/	2	2	2

* only for Oval flange (N)

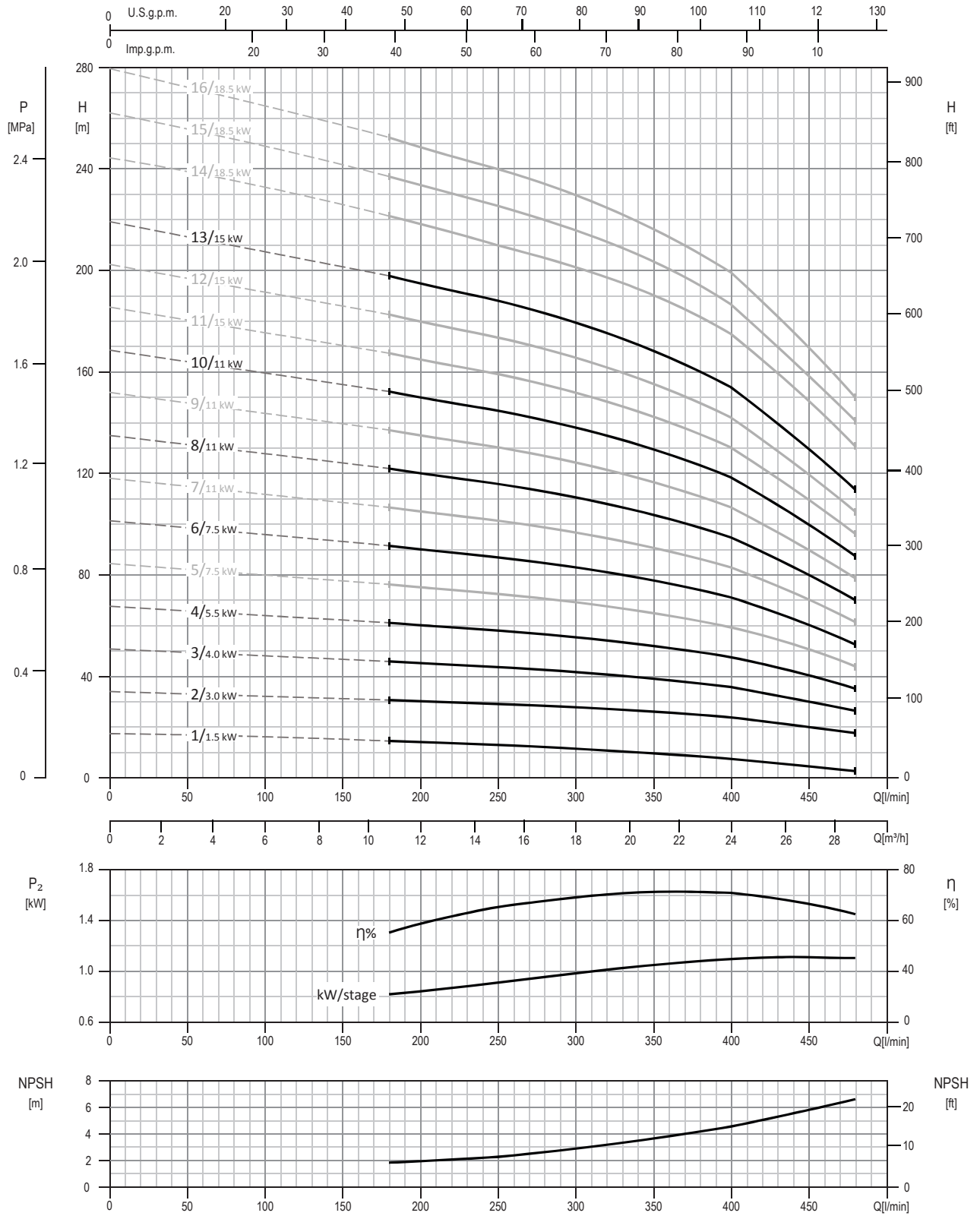
** only for Loose round flange (LF)

*** shaft in EN 1.4462 (AISI 329A)

128-6 / 135-6: with Aluminium coupling

Performance Curve

PERFORMANCE CURVE EVMSG20

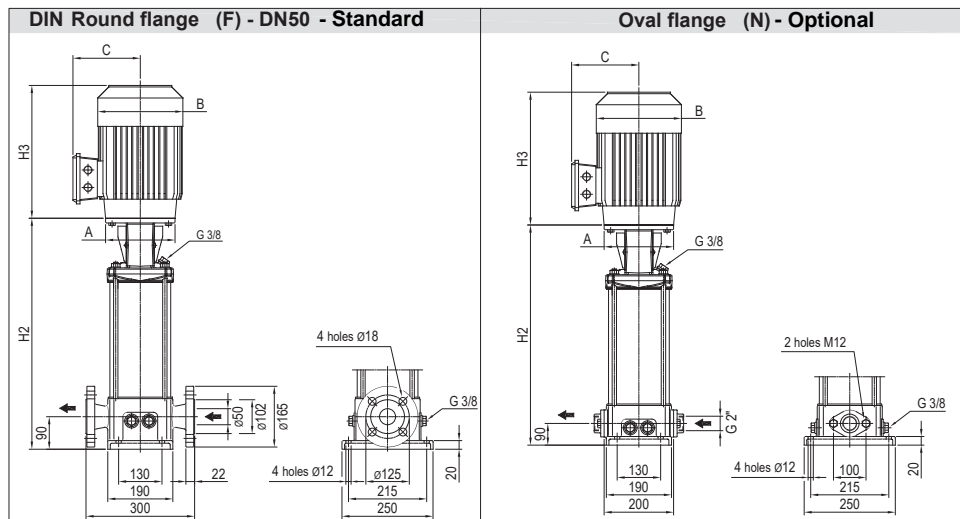


Test standard: ISO 9906:2012 - Grade 3B

Technical Data

TECHNICAL DATA EVMSG20

Dimensional sketch

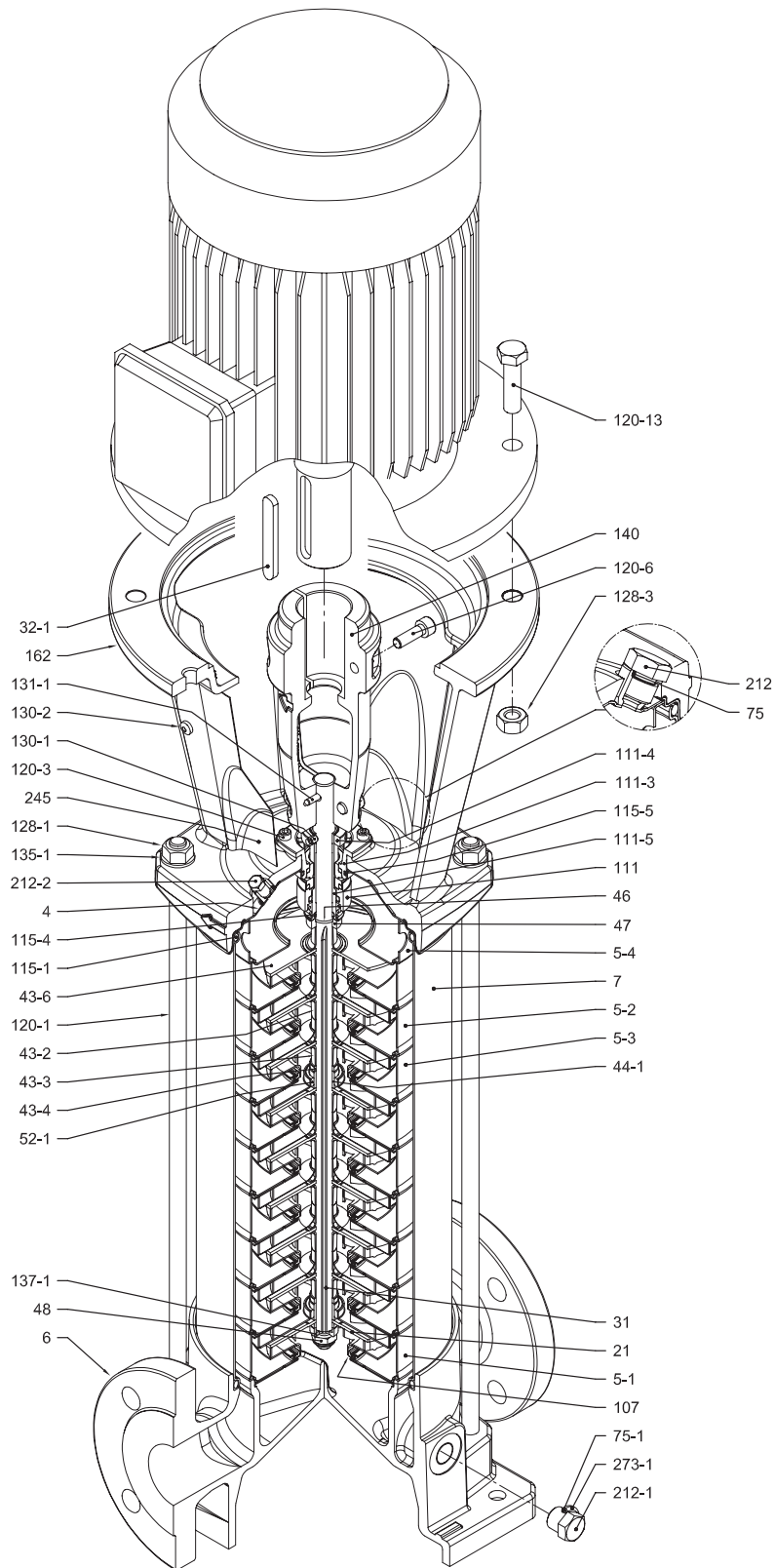


Dimensions [mm] and Weights [Kg]

Pump type	Pmax [MPa]	kW	Size	Motor									Round flange (F)				Oval flange (N)			
				A Ø	1~			3~			H2	Weight Pump	Weight Pump + Motor		H2	Weight Pump	Weight Pump + Motor			
					B	C	H3	B	C	H3			1~	3~			1~	3~		
EVMSG20 1/1.5	1.6	1.5	90S	140	182	155	284	177	155	279	387	27.2	51.2	48.8	387	22.6	46.6	44.1		
EVMSG20 2/3.0	1.6	3.0	100	160	205	191	358	198	165	316	397	27.3	67.3	59.3	397	22.7	62.7	54.7		
EVMSG20 3/4.0	1.6	4.0	112	160	-	-	-	235	185	333	437	28.7	-	69.7	437	24.1	-	65.1		
EVMSG20 4/5.5	1.6	5.5	132	300	-	-	-	274	205	410	574	34.6	-	99.6	574	30	-	95		
EVMSG20 5/7.5	1.6	7.5	132	300	-	-	-	274	205	410	614	35.9	-	108.9	614	31.2	-	104.2		
EVMSG20 6/7.5	1.6	7.5	132	300	-	-	-	274	205	410	654	37.1	-	110.1	654	32.5	-	105.5		
EVMSG20 7/11	1.6	11	160	350	-	-	-	313	255	524	724	39.4	-	137.4	724	34.8	-	132.8		
EVMSG20 8/11	1.6	11	160	350	-	-	-	313	255	524	764	51.2	-	149.2	764	46.6	-	144.6		
EVMSG20 9/11	1.6	11	160	350	-	-	-	313	255	524	804	52.5	-	150.5	804	47.9	-	145.9		
EVMSG20 10/11	2.5	11	160	350	-	-	-	313	255	524	844	53.9	-	151.9	-	-	-	-		
EVMSG20 11/15	2.5	15	160	350	-	-	-	313	255	524	884	55.2	-	158.2	-	-	-	-		
EVMSG20 12/15	2.5	15	160	350	-	-	-	313	255	524	924	56.5	-	159.5	-	-	-	-		
EVMSG20 13/15	2.5	15	160	350	-	-	-	313	255	524	964	57.9	-	160.9	-	-	-	-		
EVMSG20 14/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1004	59.2	-	183.2	-	-	-	-		
EVMSG20 15/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1044	60.5	-	184.5	-	-	-	-		
EVMSG20 16/18.5	2.5	18.5	160	350	-	-	-	313	255	524	1084	61.8	-	185.8	-	-	-	-		

Sectional View

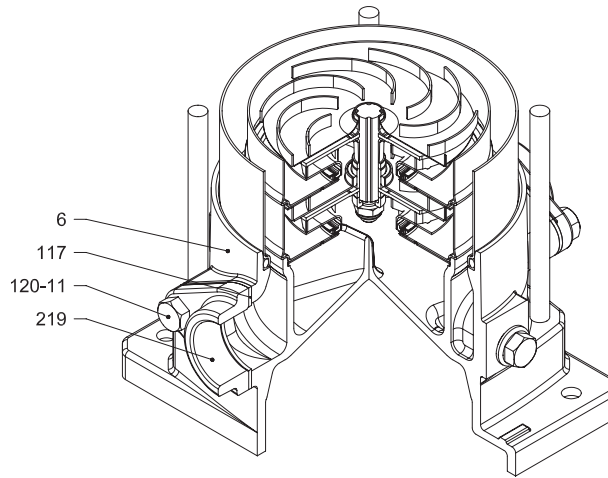
SECTIONAL VIEW
EVMSG20



with Round flange (F)

Pipe Connection

**PIPE CONNECTION EVMSG20
(Option on request)**



with Oval flange (N)

Sectional Table

SECTIONAL TABLE EVMSG20

N°	PART NAME	MATERIAL EVMSG	DIMENSIONS	STANDARD	
4	Casing cover	EN 1.4301 (AISI 304)			
5-1	Suction casing	EN 1.4301 (AISI 304)			
5-2	Intermediate casing	EN 1.4301 (AISI 304)			
5-3	Intermediate casing with bearing	EN 1.4301 (AISI 304)			
5-4	Discharge casing	EN 1.4301 (AISI 304)			
6	Bottom casing	Cast Iron EN-GJL-250			
7	Outer casing	EN 1.4301 (AISI 304)			
21	Impeller	EN 1.4301 (AISI 304)			
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)			
32-1	Adjuster key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)			
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)			
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)			
43-6	Washer	EN 1.4404 (AISI 316L)	Ø26x2.5		
44-1	Shaft sleeve bearing	Tungsten carbide			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring holder	EN 1.4404 (AISI 316L)			
48	Impeller nut	EN 1.4301 (AISI 304) with inox insert	M10		
52-1	Sleeve bearing	Tungsten carbide			
75	O-Ring (priming plug)	EPDM / FPM	Ø12.37x2.62	OR 3050	
75-1	O-Ring (drainage plug)	EPDM / FPM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS			
111	Mechanical seal	see page 101			
111-3	Mechanical seal seat	EN 1.4308 (ASTM CF8)			
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge sleeve	EN 1.4301 (AISI 304)			
115-1	O-Ring (outer casing)	EPDM / FPM	Ø164.46x5.34	OR 6945	
115-4	O-Ring (cartridge sleeve)	EPDM / FPM	Ø15.88x2.62	OR 4093	
115-5	O-Ring (seal flange)	EPDM / FPM	Ø37.77x2.62	OR 4175	
117	Flange gasket	EPDM / FPM			
120-1	Tie-rod	EN 1.4057 (AISI 431)	M12		
120-3	Screw (seal flange)	A2-70	M5x12	ISO 4762	
120-6	Screw (pump coupling)	Galvanized steel 6.8 strength class ISO 898/1	up to 4.0 kW	M6x25	ISO 4762
			from 5.5 kW to 7.5 kW	M8x20	ISO 4762
			above 11 kW	M10x30	ISO 4762
120-11	Screw (counterflange)	A2-70			
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	MEC 90-100-112	M8x20	ISO 4017
			MEC 132	M12x40	ISO 4017
			MEC 160	M16x50	ISO 4017
128-1	Nut (tie rod)	A2-70	M12	ISO 4032	
128-3	Nut (motor)	Galvanized steel	MEC 132	M12	ISO 4032
			MEC 160	M16	ISO 4032
128-6	Nut (aluminium coupling)	Galvanized steel	M6	ISO 4032	
130-1	Set screw	EN 1.4301 (AISI 304)	M5x8	ISO 4026	
130-2	Screw for coupling guard	A2-70	M5x6	UNI 7687	
131-1	Pin for shaft	Carbon Steel	Ø5x35	ISO 2338	
135-1	Washer (tie rod)	EN 1.4301 (AISI 304)	Ø13x24x2.5	ISO 7089	
135-6	Washer (aluminium coupling)	Carbon Steel	Ø6		
137-1	Impeller spacer	EN 1.4301 (AISI 304)			
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket	Cast iron EN-GJL-250			
212	Priming plug	EN 1.4301 (AISI 304)	G 3/8		
212-1	Drainage plug	EN 1.4301 (AISI 304)	G 3/8		
212-2	Venting plug	EN 1.4404 (AISI 316L)			
219	Counter flange	flange type: N	Galvanized steel		
		flange type: F	Cast Iron EN-GJL-250		
245	Coupling guard	EN 1.4301 (AISI 304)			
273-1	Washer (drainage plug)	EN 1.4301 (AISI 304)			

Quantity For Model

QUANTITY FOR MODEL EVMSG20

Pump Type	N°																												
	4	5-1	52	53	54	6	7	21	31***	32-1	432	433	434	436	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	1154	1155
EVMSG20 1/1.5	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	4	1	1	1	1	1	2	1	1
EVMSG20 2/3.0	1	1	/	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	4	2	1	1	1	1	2	1	1
EVMSG20 3/4.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	2	1	1	1	1	4	3	1	1	1	1	2	1	1
EVMSG20 4/5.5	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	4	4	1	1	1	1	2	1	1
EVMSG20 5/7.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	4	5	1	1	1	1	2	1	1
EVMSG20 6/7.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	4	6	1	1	1	1	2	1	1
EVMSG20 7/11	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	2	1	1	2	1	4	7	1	1	1	1	2	1	1
EVMSG20 8/11	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	2	1	1	2	1	4	8	1	1	1	1	2	1	1
EVMSG20 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	2	1	1	2	1	4	9	1	1	1	1	2	1	1
EVMSG20 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	2	1	1	2	1	4	10	1	1	1	1	2	1	1
EVMSG20 11/15	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	4	11	1	1	1	1	2	1	1
EVMSG20 12/15	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	2	1	1	2	1	4	12	1	1	1	1	2	1	1
EVMSG20 13/15	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	4	13	1	1	1	1	2	1	1
EVMSG20 14/18.5	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	4	14	1	1	1	1	2	1	1
EVMSG20 15/18.5	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	2	1	1	2	1	4	15	1	1	1	1	2	1	1
EVMSG20 16/18.5	1	1	13	2	1	1	1	16	1	1	27	2	2	/	2	2	1	1	2	1	4	16	1	1	1	1	2	1	1

Pump Type	N°																						
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2	219*	245	273-1
EVMSG20 1/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 2/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 3/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1	2	2	4
EVMSG20 4/5.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 5/7.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 6/7.5	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 7/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 8/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 9/11	2	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	4	1	2	2	4	
EVMSG20 10/11	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 11/15	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 12/15	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 13/15	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 14/18.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 15/18.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	
EVMSG20 16/18.5	/	4	4	4	/	4	4	/	3	4	1	4	/	1	2	1	1	4	1	/	2	4	

* only for Oval flange (N)

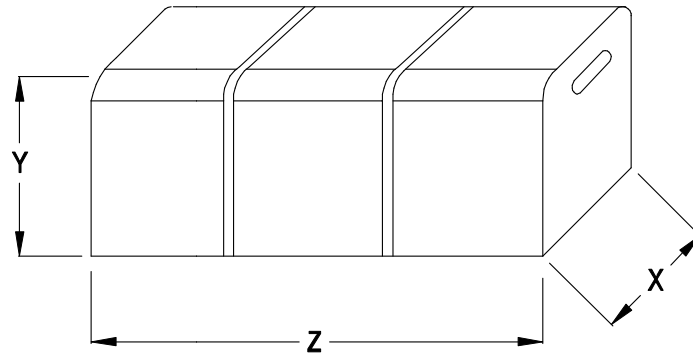
*** shaft in EN 1.4462 (AISI 329A)

128-6 / 135-6: with Aluminium coupling

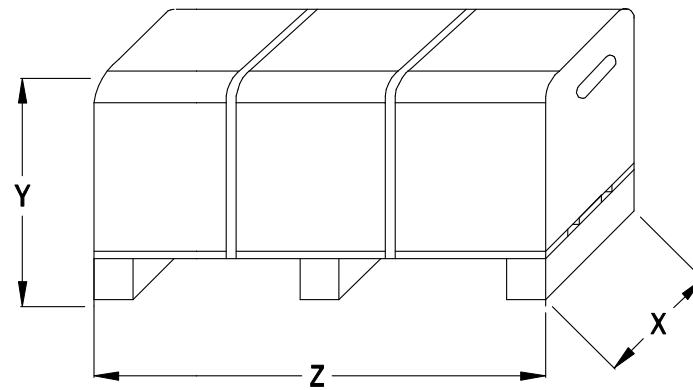
Packing Drawing

PACKING DRAWING

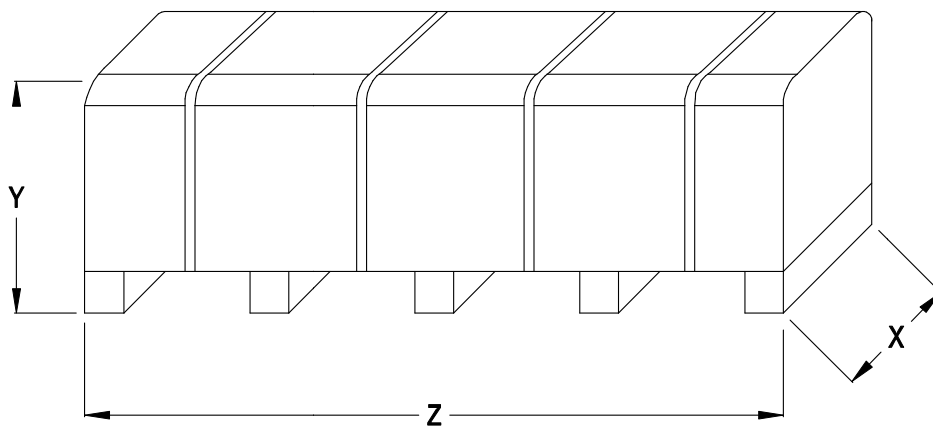
EVMS(.) 1-3-5-10-15-20



TYPE 1



TYPE 2



TYPE 3

Packing Data

PACKING DATA EVMS(.)1-3-5

(Approximate packing dimensions only, packaging material types and dimensions are subject to change)

Pump type	Pumps					Pumps with motor ~1					Pumps with motor ~3										
	Packing [mm]			Weight [kg] + Pack Type		Packing [mm]			Weight [kg] + Pack Type		Packing [mm]			Weight [kg] + Pack Type							
	X	Y	Z	EVMS(L)	EVMSG	X	Y	Z	EVMS(L)	EVMSG	X	Y	Z	EVMS(L)	EVMSG						
EVMS(.)1 2/0.37	385	400	385	12.3	1	19.3	1	385	400	585	20.1	1	27.1	1	385	400	585	23.6	1	30.6	1
EVMS(.)1 3/0.37	385	400	385	12.8	1	19.8	1	385	400	585	20.6	1	27.6	1	385	400	585	24.1	1	31.1	1
EVMS(.)1 4/0.37	385	400	385	13.2	1	20.2	1	385	400	770	21.4	1	28.4	1	385	400	770	24.9	1	31.9	1
EVMS(.)1 5/0.37	385	400	585	14.2	1	21.2	1	385	400	770	21.9	1	28.9	1	385	400	770	25.4	1	32.4	1
EVMS(.)1 6/0.37	385	400	585	14.6	1	21.6	1	385	400	770	22.3	1	29.3	1	385	400	770	25.8	1	32.8	1
EVMS(.)1 7/0.37	385	400	585	15.0	1	22.0	1	385	400	770	22.7	1	29.7	1	385	400	770	26.2	1	33.2	1
EVMS(.)1 8/0.37	385	400	585	15.5	1	22.5	1	385	400	770	24.2	1	30.2	1	385	400	770	26.7	1	33.7	1
EVMS(.)1 9/0.55	385	400	585	15.9	1	22.9	1	385	400	770	24.6	1	31.6	1	385	400	770	27.6	1	34.6	1
EVMS(.)1 10/0.55	385	400	585	16.3	1	23.3	1	385	400	770	25.0	1	32.0	1	385	400	770	28.0	1	35.0	1
EVMS(.)1 11/0.55	385	400	585	16.8	1	23.8	1	385	400	770	25.5	1	32.5	1	385	400	770	28.5	1	35.5	1
EVMS(.)1 12/0.55	385	400	585	17.5	1	24.5	1	385	400	770	26.2	1	33.2	1	385	400	970	29.8	1	36.8	1
EVMS(.)1 13/0.55	385	400	585	18.1	1	25.1	1	385	400	970	27.4	1	34.4	1	385	400	970	30.4	1	37.4	1
EVMS(.)1 14/0.75	385	400	770	19.3	1	26.3	1	385	400	970	38.1	1	45.1	1	385	400	970	33.6	1	40.6	1
EVMS(.)1 16/0.75	385	400	770	20.3	1	27.3	1	385	400	970	39.1	1	46.1	1	385	400	970	34.6	1	41.6	1
EVMS(.)1 18/1.1	385	400	770	21.3	1	28.4	1	385	400	970	41.2	1	48.2	1	385	400	970	37.2	1	44.2	1
EVMS(.)1 20/1.1	385	400	770	22.4	1	29.4	1	385	400	970	42.2	1	49.2	1	385	400	1170	38.8	1	45.8	1
EVMS(.)1 22/1.1	385	400	770	23.6	1	30.6	1	385	400	1170	44.0	1	51.0	1	385	400	1170	40.0	1	47.0	1
EVMS(.)1 24/1.1	385	400	970	25.0	1	32.0	1	385	400	1170	45.0	1	52.0	1	385	400	1170	41.0	1	48.0	1
EVMS(.)1 26/1.1	385	400	970	26.0	1	33.0	1	385	400	1170	46.0	1	53.0	1	385	400	1170	42.0	1	49.0	1
EVMS(.)1 27/1.5	385	400	970	26.4	1	33.4	1	385	400	1170	51.4	1	-	-	500	525	1350	62.3	3	69.3	3
EVMS(.)1 29/1.5	385	400	970	27.4	1	34.4	1	500	525	1350	65.8	3	72.8	3	500	525	1350	63.3	3	70.3	3
EVMS(.)1 32/1.5	385	400	1170	29.3	1	36.2	1	500	525	1350	67.1	3	74.1	3	500	525	1350	64.6	3	71.6	3
EVMS(.)1 34/1.5	385	400	1170	30.2	1	37.1	1	500	525	1350	68.0	3	75.0	3	500	525	1350	65.5	3	72.5	3
EVMS(.)1 37/2.2	385	400	1170	31.6	1	38.5	1	500	525	1540	76.5	3	83.5	3	500	525	1540	74.0	3	81.0	3
EVMS(.)1 39/2.2	385	400	1170	32.6	1	39.5	1	500	525	1540	77.5	3	84.5	3	500	525	1540	75.0	3	82.0	3
EVMS(.)3 2/0.37	385	400	385	12.4	1	17.6	1	385	400	585	19.4	1	24.9	1	385	400	585	22.9	1	28.9	1
EVMS(.)3 3/0.37	385	400	385	12.8	1	18.0	1	385	400	585	19.9	1	25.3	1	385	400	585	23.4	1	29.3	1
EVMS(.)3 4/0.37	385	400	385	13.2	1	18.5	1	385	400	770	20.7	1	26.2	1	385	400	770	24.2	1	30.2	1
EVMS(.)3 5/0.55	385	400	585	14.2	1	19.4	1	385	400	770	22.2	1	27.1	1	385	400	770	25.2	1	31.1	1
EVMS(.)3 6/0.55	385	400	585	14.6	1	19.8	1	385	400	770	22.6	1	27.5	1	385	400	770	28.1	1	31.5	1
EVMS(.)3 7/0.75	385	400	585	15.5	1	20.7	1	385	400	770	33.5	1	31.4	1	385	400	770	29.0	1	34.9	1
EVMS(.)3 8/0.75	385	400	585	16.0	1	21.2	1	385	400	770	34.0	1	31.9	1	385	400	770	29.5	1	35.4	1
EVMS(.)3 9/1.1	385	400	585	16.4	1	21.6	1	385	400	770	35.4	1	33.3	1	385	400	770	31.4	1	37.1	1
EVMS(.)3 10/1.1	385	400	585	16.9	1	22.1	1	385	400	770	35.8	1	33.8	1	385	400	770	31.8	1	37.8	1
EVMS(.)3 11/1.1	385	400	585	17.3	1	22.5	1	385	400	970	36.9	1	34.8	1	385	400	970	32.9	1	38.8	1
EVMS(.)3 12/1.1	385	400	585	17.8	1	23.0	1	385	400	970	37.3	1	35.3	1	385	400	970	33.3	1	39.3	1
EVMS(.)3 13/1.5	385	400	770	19.0	1	24.2	1	385	400	970	43.0	1	42.8	1	385	400	970	40.5	1	46.5	1
EVMS(.)3 14/1.5	385	400	770	19.4	1	24.6	1	385	400	970	43.5	1	43.2	1	385	400	970	41.0	1	46.9	1
EVMS(.)3 15/1.5	385	400	770	19.9	1	25.1	1	385	400	970	44.0	1	43.7	1	385	400	970	41.5	1	47.4	1
EVMS(.)3 16/1.5	385	400	770	20.9	1	26.1	1	385	400	970	45.0	1	44.7	1	385	400	970	42.5	1	48.4	1
EVMS(.)3 17/2.2	385	400	770	21.4	1	26.6	1	385	400	970	48.4	1	46.9	1	385	400	970	45.6	1	51.9	1
EVMS(.)3 19/2.2	385	400	770	22.4	1	27.6	1	385	400	1170	50.0	1	48.5	1	385	400	1170	47.5	1	53.5	1
EVMS(.)3 21/2.2	385	400	770	23.3	1	28.5	1	385	400	1170	50.9	1	49.4	1	385	400	1170	48.4	1	54.4	1
EVMS(.)3 23/2.2	385	400	970	24.7	1	29.9	1	385	400	1170	51.9	1	50.4	1	385	400	1170	49.4	1	55.4	1
EVMS(.)3 24/2.2	385	400	970	25.1	1	30.4	1	385	400	1170	52.4	1	50.8	1	385	400	1170	49.9	1	55.8	1
EVMS(.)3 25/3.0	385	400	970	25.7	1	30.9	1	-	-	-	-	-	-	385	400	1170	58.0	1	-	-	
EVMS(.)3 27/3.0	385	400	970	26.7	1	31.9	1	-	-	-	-	-	-	500	525	1350	-	-	63.9	3	
EVMS(.)3 29/3.0	385	400	970	27.6	1	32.9	1	-	-	-	-	-	-	500	525	1350	72.3	3	78.3	3	
EVMS(.)3 31/3.0	385	400	1170	29.2	1	34.4	1	-	-	-	-	-	-	500	525	1350	73.3	3	79.3	3	
EVMS(.)3 33/3.0	385	400	1170	30.0	1	35.2	1	-	-	-	-	-	-	500	525	1540	74.3	3	80.2	3	
EVMS(.)5 2/0.37	385	400	385	12.9	1	19.4	1	385	400	585	20.7	1	27.2	1	385	400	585	24.2	1	30.7	1
EVMS(.)5 3/0.55	385	400	385	13.4	1	19.9	1	385	400	770	22.6	1	29.1	1	385	400	770	25.6	1	32.1	1
EVMS(.)5 4/0.75	385	400	585	14.9	1	21.4	1	385	400	770	33.6	1	40.1	1	385	400	770	29.1	1	35.6	1
EVMS(.)5 5/1.1	385	400	585	15.5	1	21.9	1	385	400	770	35.1	1	41.6	1	385	400	770	31.1	1	37.6	1
EVMS(.)5 6/1.5	385	400	585	16.1	1	22.5	1	385	400	770	40.8	1	47.2	1	385	400	970	38.3	1	38.8	1
EVMS(.)5 7/1.5	385	400	585	16.5	1	22.9	1	385	400	970	41.8	1	48.2	1	385	400	970	39.3	1	39.2	1
EVMS(.)5 8/2.2	385	400	585	17.0	1	23.5	1	385	400	970	45.3	1	51.8	1	385	400	970	42.8	1	49.3	1
EVMS(.)5 9/2.2	385	400	585	17.6	1	24.0	1	385	400	970	45.9	1	52.3	1	385	400	970	43.4	1	49.8	1
EVMS(.)5 10/2.2	385	400	770	18.5	1	25.0	1	385	400	970	46.3	1	52.8	1	385	400	970	43.8	1	50.3	1
EVMS(.)5 11/2.2	385	400	770	19.4	1	25.8	1	385	400	970	47.2	1	53.6	1	385	400	970	44.7	1	51.1	1
EVMS(.)5 12/3.0	385	400	770	20.6	1	27.0	1	-	-	-	-	-	-	385	400	1170	54.0	1	60.4	1	
EVMS(.)5 13/3.0	385	400	770	21.2	1	27.6	1	-	-	-	-	-	-	385	400	1170	54.6	1	-	-	
EVMS(.)5 14/3.0	385	400	770	21.7	1	28.2	1	-	-	-	-	-	-	400	510	1200	-	-	61.2	2	
EVMS(.)5 15/3.0	385	400	770	22.8	1	29.2	1	-	-	-	-	-	-	385	400	1170	56.2	1	-	-	
EVMS(.)5 17/4.0	385	400	970	23.9	1	30.3	1	-	-	-	-	-	-	400	510	1200	-	-	62.8	2	
EVMS(.)5 19/4.0	385	400	970	25.0	1	31.4	1	-	-	-	-	-	-	400	510	1200	66.1	2	69.3	2	
EVMS(.)5 2																					

Packing Data

PACKING DATA EVMS(.)10-15-20

(Approximate packing dimensions only, packaging material types and dimensions are subject to change)

Pump type	Pumps						Pumps with motor ~1						Pumps with motor ~3									
	Packing [mm]			Weight [kg] + Pack Type			Packing [mm]			Weight [kg] + Pack Type			Packing [mm]			Weight [kg] + Pack Type						
	X	Y	Z	EVMS(L)	EVMSG		X	Y	Z	EVMS(L)	EVMSG		X	Y	Z	EVMS(L)	EVMSG					
10	EVMS(.)10 2/0.75	385	400	585	19.9	1	26.7	1	385	400	770	38.6	1	45.4	1	385	400	770	40.9	1	35.9	1
	EVMS(.)10 3/1.5	385	400	585	20.9	1	27.7	1	385	400	770	45.6	1	52.4	1	385	400	770	43.1	1	49.9	1
	EVMS(.)10 4/2.2	385	400	585	21.7	1	28.4	1	385	400	770	49.4	1	56.1	1	385	400	770	46.9	1	53.6	1
	EVMS(.)10 5/2.2	385	400	585	22.5	1	29.3	1	385	400	970	50.8	1	57.6	1	385	400	970	48.3	1	55.1	1
	EVMS(.)10 6/2.2	385	400	585	23.4	1	30.1	1	385	400	970	51.7	1	58.4	1	385	400	970	49.2	1	55.9	1
	EVMS(.)10 7/3.0	385	400	585	24.3	1	31.1	1	-	-	-	-	-	-	385	400	970	57.6	1	-	-	
	EVMS(.)10 8/3.0	385	400	770	25.7	1	32.4	1	-	-	-	-	-	-	400	510	1200	-	-	65.2	2	
	EVMS(.)10 9/4.0	385	400	770	26.5	1	33.3	1	-	-	-	-	-	-	400	510	1200	69.0	2	76.0	2	
	EVMS(.)10 10/4.0	385	400	770	27.4	1	34.1	1	-	-	-	-	-	-	400	510	1200	70.2	2	76.7	2	
	EVMS(.)10 11/4.0	385	400	770	29.0	1	35.8	1	-	-	-	-	-	-	400	510	1200	71.6	2	78.4	2	
	EVMS(.)10 12/5.5	385	400	970	39.2	1	46.0	1	-	-	-	-	-	-	500	525	1350	118.6	3	125.4	3	
	EVMS(.)10 14/5.5	385	400	970	41.0	1	47.8	1	-	-	-	-	-	-	500	525	1350	120.4	3	127.2	3	
	EVMS(.)10 15/5.5	385	400	970	41.9	1	48.7	1	-	-	-	-	-	-	500	525	1350	121.3	3	128.1	3	
	EVMS(.)10 16/7.5	385	400	970	42.9	1	49.6	1	-	-	-	-	-	-	500	525	1540	134.4	3	141.1	3	
	EVMS(.)10 18/7.5	385	400	970	45.3	1	-	-	-	-	-	-	-	-	500	525	1540	136.2	3	142.5	3	
	EVMS(.)10 19/7.5	385	400	970	46.2	1	-	-	-	-	-	-	-	-	500	525	1540	137.1	3	143.9	3	
	EVMS(.)10 21/7.5	385	400	970	48.0	1	-	-	-	-	-	-	-	-	500	525	1540	138.9	3	145.7	3	
	EVMS(.)10 22/11	400	510	1200	55.3	2	62.1	2	-	-	-	-	-	-	610	525	1750	164.8	3	171.6	3	
EVMS(.)10 23/11	500	525	1350	70.8	3	77.6	3	-	-	-	-	-	-	610	525	1750	171.5	3	178.3	3		
15	EVMS(.)15 1/1.1	385	400	585	21.2	1	29.3	1	385	400	770	32.9	1	49.0	1	385	400	770	45.0	1	40.0	1
	EVMS(.)15 2/2.2	385	400	585	21.5	1	29.6	1	385	400	770	41.7	1	57.3	1	385	400	770	55.4	1	45.3	1
	EVMS(.)15 3/3.0	385	400	585	22.8	1	30.9	1	-	-	-	-	-	-	385	400	970	64.2	1	-	-	
	EVMS(.)15 4/4.0	385	400	585	24.0	1	32.1	1	-	-	-	-	-	-	400	510	1200	-	-	59.8	2	
	EVMS(.)15 5/5.5	385	400	770	34.2	1	42.4	1	-	-	-	-	-	-	400	510	1200	109.0	2	87.8	2	
	EVMS(.)15 6/5.5	385	400	770	35.4	1	43.6	1	-	-	-	-	-	-	400	510	1200	110.2	2	89.0	2	
	EVMS(.)15 7/7.5	385	400	770	37.6	1	45.8	1	-	-	-	-	-	-	500	525	1350	133.6	3	106.6	3	
	EVMS(.)15 8/7.5	385	400	970	39.4	1	47.5	1	-	-	-	-	-	-	500	525	1350	134.9	3	107.9	3	
	EVMS(.)15 9/11	385	400	970	41.2	1	-	-	-	-	-	-	-	-	500	525	1350	161.2	3	125.7	3	
	EVMS(.)15 10/11	385	400	970	42.5	1	-	-	-	-	-	-	-	-	500	525	1540	166.6	3	131.2	3	
	EVMS(.)15 11/11	385	400	970	50.5	1	-	-	-	-	-	-	-	-	500	525	1540	174.5	3	166.6	3	
	EVMS(.)15 12/11	400	510	1200	56.8	2	64.9	2	-	-	-	-	-	-	500	525	1540	175.8	3	174.5	3	
	EVMS(.)15 13/11	400	510	1200	58.1	2	66.2	2	-	-	-	-	-	-	500	525	1540	177.1	3	176.0	3	
	EVMS(.)15 15/15	400	510	1200	60.7	2	68.8	2	-	-	-	-	-	-	610	525	1750	175.8	3	176.7	3	
	EVMS(.)15 17/15	500	525	1350	72.4	3	80.5	3	-	-	-	-	-	-	610	525	1750	178.7	3	186.8	3	
20	EVMS(.)20 1/1.5	385	400	585	22.4	1	29.6	1	385	400	770	47.1	1	54.3	1	385	400	770	43.7	1	51.9	1
	EVMS(.)20 2/3.0	385	400	585	21.5	1	29.7	1	-	-	-	-	-	-	385	400	770	54.2	1	-	-	
	EVMS(.)20 3/4.0	385	400	585	22.9	1	31.1	1	-	-	-	-	-	-	400	510	1200	-	-	62.4	2	
	EVMS(.)20 4/5.5	385	400	770	29.3	1	37.5	1	-	-	-	-	-	-	400	510	1200	66.0	2	74.2	2	
	EVMS(.)20 5/7.5	385	400	770	30.6	1	38.8	1	-	-	-	-	-	-	400	510	1200	105.2	2	113.4	2	
	EVMS(.)20 6/7.5	385	400	770	31.8	1	40.0	1	-	-	-	-	-	-	400	510	1200	106.4	2	114.6	2	
	EVMS(.)20 7/11	385	400	970	34.5	1	42.7	1	-	-	-	-	-	-	500	525	1350	146.9	3	155.1	3	
	EVMS(.)20 8/11	385	400	970	46.3	1	-	-	-	-	-	-	-	-	500	525	1350	158.7	3	166.9	3	
	EVMS(.)20 9/11	385	400	970	47.6	1	-	-	-	-	-	-	-	-	500	525	1350	160.0	3	168.2	3	
	EVMS(.)20 10/11	385	400	970	49.0	1	-	-	-	-	-	-	-	-	500	525	1540	165.5	3	173.7	3	
	EVMS(.)20 11/15	385	400	970	50.3	1	-	-	-	-	-	-	-	-	500	525	1540	171.8	3	178.0	3	
	EVMS(.)20 12/15	400	510	1200	57.2	2	65.4	2	-	-	-	-	-	-	500	525	1540	173.1	3	181.3	3	
	EVMS(.)20 13/15	400	510	1200	58.5	2	66.8	2	-	-	-	-	-	-	500	525	1540	174.4	3	182.7	3	
	EVMS(.)20 14/18.5	400	510	1200	59.9	2	68.1	2	-	-	-	-	-	-	610	525	1750	195.4	3	203.6	3	
	EVMS(.)20 15/18.5	400	510	1200	61.2	2	69.4	2	-	-	-	-	-	-	610	525	1750	196.7	3	204.9	3	
	EVMS(.)20 16/18.5	400	510	1200	62.5	2	70.7	2	-	-	-	-	-	-	610	525	1750	198.0	3	205.4	3	

Technical Motor Data

Motor Data

W21 IE3 Performance data – 2 Pole: 400 V, 50 Hz

Noise level is mean sound pressure at 1 meter as per AS 60034.9 standard.

Output kW	IEC Frame	Rated Speed (rpm)	Full load current I _r (A)	Locked rotor current I _L /I _r	Full load torque T _r (Nm)	Locked rotor torque T _L /T _r	Break down torque T _b /T _r	400 V						Sound Pressure Level dB(A)	Moment of inertia J (kgm ²)	Max. locked Rotor times(s)	
								% of full load								Cold	Hot
								Efficiency			Power Factor						
								50	75	100	50	75	100				
0.75	80	2825	1.61	7.5	2.54	3.5	3.5	80.0	82.0	82.0	0.63	0.76	0.82	59	0.0008	55	25
1.1	80	2830	2.32	7.4	3.72	3.6	3.6	81.0	83.5	83.5	0.63	0.76	0.82	59	0.0009	51	23
1.5	90	2875	3.07	7.6	4.99	3.3	3.3	83.0	85.0	85.0	0.64	0.76	0.83	62	0.0020	33	15
2.2	90	2870	4.43	7.5	7.33	3.4	3.5	86.0	86.5	86.3	0.65	0.77	0.86	62	0.0026	26	12
3	100	2910	5.77	8.5	9.81	3.4	3.4	85.0	86.5	87.2	0.69	0.81	0.86	67	0.0064	33	15
4	112	2900	7.60	7.7	13.1	2.9	3.5	87.0	88.0	88.3	0.69	0.80	0.88	64	0.0080	48	22
5.5	132	2930	10.1	8.3	18.0	2.6	3.2	88.3	89.7	90.0	0.72	0.82	0.88	67	0.0216	51	23
7.5	132	2935	13.9	8.5	24.4	3.0	3.4	89.1	90.5	90.8	0.69	0.80	0.86	67	0.0252	37	17
11	160	2950	20.9	8.6	35.6	2.3	3.0	90.0	91.5	91.5	0.65	0.78	0.83	70	0.0506	26	12
15	160	2945	28.0	8.3	48.7	2.4	2.9	91.0	92.0	92.2	0.71	0.81	0.84	70	0.0565	24	11

W22 Single phase – CSCR (Capacitor Start / Capacitor Run)

Noise level is mean sound pressure at 1 meter as per AS 60034.9 standard.

Output kW	IEC Frame	Rated Speed (rpm)	Full load current I _r (A)		Locked rotor current I _L /I _r	Full load torque T _r (Nm)	Locked rotor torque T _L /T _r	Break down torque T _b /T _r	% of full load						Sound Pressure Level dB(A)	Moment of inertia J (kgm ²)	Max. locked Rotor times(s)	
			240V	480V					Efficiency			Power Factor					Cold	Hot
			50	75					100	50	75	100						
0.75	80	2915	4.58	2.29	7.6	2.46	2.3	2.6	63.9	71.7	75.0	0.79	0.87	0.91	62	0.0010	19	9
1.1	80	2880	6.62	3.32	6.3	3.65	2.4	2.0	69.9	75.2	76.0	0.74	0.85	0.91	62	0.0011	13	6
1.5	90S	2900	8.32	4.15	7.3	4.94	2.0	2.2	73.9	79.2	80.0	0.89	0.94	0.94	66	0.0022	15	7
2.2	90L	2895	12.0	5.99	6.8	7.26	2.3	2.1	75.5	80.0	80.0	0.94	0.97	0.96	66	0.0028	13	6
3.0	100L	2895	16.1	8.05	6.7	9.90	2.1	2.2	74.9	80.1	81.0	0.89	0.95	0.96	69	0.0070	13	6

Monarch Single phase - CSCR (Capacitor Start / Capacitor Run)

Rated power (kW)	Frame size	Current (Amps)	Speed (RPM)	Efficiency (%)	Power factor (p.u.)	Starting torque $\frac{I_{st}}{I_N}$	Breakdown torque $\frac{I_b}{I_N}$	Starting current $\frac{I_{st}}{I_N}$
0.37	71	2.5	2800	67	0.92	2.3	1.8	5.9
0.55	71	3.6	2800	70	0.92	2.5	1.8	5.4

Motor mount and frame size

Motor kW	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11.0	15.0	18.5
Frame Size	71	71	80	80	90S	90L	100L	112M	132S	132S	160M	160M	160L
Mount	Vertical Face Mount – B14A (V18)						Vertical Flange Mount – B5 (V1)						