

Electrical data – A, B, and C enclosures

[T2] 3 x 208-240 V AC

Type code	Normal overload (110% 1 min/10 min)						Enclosure size			
	Output current (3 x 200-240 V)		Typical shaft output power		Continuous input current	Estimated power loss	Protection rating [IEC/UL]			
	Con. I _N	Inter. I _{MAX} (60 s)	kW @ 208 V	Hp @ 230 V			IP20	IP21	IP55	IP66
FC-102	Con. I _N	Inter. I _{MAX} (60 s)	kW @ 208 V	Hp @ 230 V	[A]	[W]	Chassis	Type 1	Type 12	Type 4X
P1K1	6.6	7.3	1.1	1.5	6.5	63	A2	A2	A4/A5	A4/A5
P1K5	7.5	8.3	1.5	2	7.5	82	A2	A2	A4/A5	A4/A5
P2K2	10.6	11.7	2.2	3	10.5	116	A2	A2	A4/A5	A4/A5
P3K0	12.5	13.8	3	4	12.4	155	A3	A3	A5	A5
P3K7	16.7	18.4	3.7	5	16.5	185	A3	A3	A5	A5
P5K5	24.2	26.6	5.5	7.5	24.2	310	B3	B1	B1	B1
P7K5	30.8	33.9	7.5	10	30.8	310	B3	B1	B1	B1
P11K	46.2	50.8	11	15	46.2	514	B3	B1	B1	B1
P15K	59.4	65.3	15	20	59.4	602	B4	B2	B2	B2
P18K	74.8	82.3	18.5	25	74.8	737	B4	C1	C1	C1
P22K	88	96.8	22	30	88	845	C3	C1	C1	C1
P30K	115	127	30	40	114	1140	C3	C1	C1	C1
P37K	143	157	37	50	143	1353	C4	C2	C2	C2
P45K	170	187	45	60	169	1636	C4	C2	C2	C2

[T4] 3 x 380-480 V AC

Type code	Normal overload (110% 1 min/10 min)							Enclosure size				
	Output current				Typical shaft output power		Continuous input current	Estimated power loss	Protection rating [IEC/UL]			
	(3 x 380-440 V)		(3 x 441-480 V)		kW @ 400 V	Hp @ 460 V			IP20	IP21	IP55	IP66
FC-102	Con. I _N	Inter. I _{MAX} (60 s)	Con. I _N	Inter. I _{MAX} (60 s)			kW @ 400 V	Hp @ 460 V	[A]	[W]	Chassis	Type 1
P1K1	3	3.3	2.7	3	1.1	1.5	3	58	A2	A2	A4/A5	A4/A5
P1K5	4.1	4.5	3.4	3.7	1.5	2	4.1	62	A2	A2	A4/A5	A4/A5
P2K2	5.6	6.2	4.8	5.3	2.2	3	5.5	88	A2	A2	A4/A5	A4/A5
P3K0	7.2	7.9	6.3	6.9	3	4	7.2	116	A2	A2	A4/A5	A4/A5
P4K0	10	11	8.2	9	4	5	9.9	124	A2	A2	A4/A5	A4/A5
P5K5	13	14.3	11	12.1	5.5	7.5	12.9	187	A3	A3	A5	A5
P7K5	16	17.6	14.5	16	7.5	10	15.8	225	A3	A3	A5	A5
P11K	24	26.4	21	23.1	11	15	24.2	392	B3	B1	B1	B1
P15K	32	35.2	27	29.7	15	20	31.9	392	B3	B1	B1	B1
P18K	37.5	41.3	34	37.4	18.5	25	37.4	465	B3	B1	B1	B1
P22K	44	48.4	40	44	22	30	44	525	B4	B2	B2	B2
P30K	61	67.1	52	61.6	30	40	60.5	739	B4	B2	B2	B2
P37K	73	80.3	65	71.5	37	50	72.6	698	B4	C1	C1	C1
P45K	90	99	80	88	45	60	90.2	843	C3	C1	C1	C1
P55K	106	117	105	116	55	75	106	1083	C3	C1	C1	C1
P75K	147	162	130	143	75	100	146	1384	C4	C2	C2	C2
P90K	177	195	160	176	90	125	177	1474	C4	C2	C2	C2

[T6] 3 x 525-600 V AC

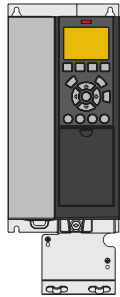
Normal overload (110% 1 min/10 min)							Enclosure size			
Type code	Output current (3 x 525-600 V)		Typical shaft output power		Intermittent input current [A]	Estimated power loss [W]	Protection rating [IEC/UL]			
	Con. I _N	Inter. I _{MAX} (60 s)	kW @ 575 V	Hp @ 575 V			IP20	IP21	IP55	IP66
FC-102	Con. I _N	Inter. I _{MAX} (60 s)	kW @ 575 V	Hp @ 575 V	[A]	[W]	Chassis	Type 1	Type 12	Type 4X
P1K1	2.4	2.6	1.1	1.5	2.6	50	A3	A3	A5	A5
P1K5	2.7	3	1.5	2	3	65	A3	A3	A5	A5
P2K2	3.9	4.3	2.2	3	4.5	92	A3	A3	A5	A5
P3K0	4.9	5.4	3	4	5.7	122	A2	A2	A5	A5
P4K0	6.1	6.7	4	5	6.4	145	A2	A2	A5	A5
P5K5	9	9.9	5.5	7.5	9.5	195	A3	A3	A5	A5
P7K5	11	12.1	7.5	10	11.4	261	A3	A3	A5	A5
P11K	18	20	11	15	19	300	B3	B1	B1	B1
P15K	22	24	15	20	23	300	B3	B1	B1	B1
P18K	27	30	18.5	25	28	370	B3	B1	B1	B1
P22K	34	37	22	30	36	440	B4	B2	B2	B2
P30K	41	45	30	40	43	600	B4	B2	B2	B2
P37K	52	57	37	50	54	740	B4	C1	C1	C1
P45K	62	68	45	60	65	900	C3	C1	C1	C1
P55K	83	91	55	75	87	1100	C3	C1	C1	C1
P75K	100	110	75	100	105	1500	C4	C2	C2	C2
P90K	131	144	90	125	137	1800	C4	C2	C2	C2

[T7] 3 x 525-690 V AC

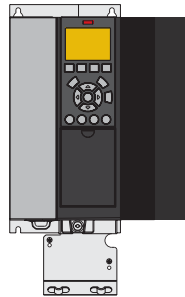
Normal overload (110% 1 min/10 min)								Enclosure size			
Type code	Output current				Typical shaft output power		Continuous input current [A]	Estimated power loss [W]	Protection rating [IEC/UL]		
	(3 x 525-550 V)		(3 x 551-690 V)		kW @ 690 V	Hp @ 575 V			IP20	IP21	IP55
FC-102	Con. I _N	Inter. I _{MAX} (60 s)	Con. I _N	Inter. I _{MAX} (60 s)	kW @ 690 V	Hp @ 575 V	[A]	[W]	Chassis	Type 1	Type 12
P1K1	2.1	2.3	1.6	1.8	1.1	1.5	2.1	44	A3	A3	A5
P1K5	2.7	3	2.2	2.4	1.5	2	2.6	60	A3	A3	A5
P2K2	3.9	4.3	3.2	3.5	2.2	3	3.9	88	A3	A3	A5
P3K0	4.9	5.4	4.5	5	3	4	4.8	120	A3	A3	A5
P4K0	6.1	6.7	5.5	6.1	4	5	6.1	160	A3	A3	A5
P5K5	9	9.9	7.5	8.3	5.5	7.5	8.9	220	A3	A3	A5
P7K5	11	12.1	10	11	7.5	10	10.9	300	A3	A3	A5
P11K	14	15.4	13	14.3	11	15	16.5	220	B4	B2	B2
P15K	19	20.9	18	19.8	15	20	21.5	220	B4	B2	B2
P18K	23	25.3	22	24.2	18.5	25	26.4	300	B4	B2	B2
P22K	28	30.8	27	29.7	22	30	31.9	370	B4	B2	B2
P30K	36	39.6	34	37.4	30	40	39.6	440	B4	B2	B2
P37K	43	47.3	41	45.1	37	50	53.9	740	B4	C2	C2
P45K	54	59.4	52	57.2	45	60	64.9	900	C3	C2	C2
P55K	65	71.5	62	68.2	55	75	78.1	1100	C3	C2	C2
P75K	87	95.7	83	91.3	75	100	95.7	1500	-	C2	C2
P90K	105	115.5	100	110	90	125	108.9	1800	-	C2	C2

Dimensions enclosure sizes A, B and C

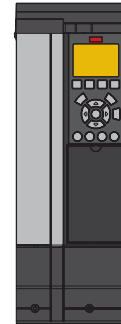
Enclosure size		VLT® HVAC Drive													
		A2		A3		A4	A5	B1	B2	B3	B4	C1	C2	C3	C4
Protection rating [IEC/UL]		IP20 Chassis	IP21 Type 1	IP20 Chassis	IP21 Type 1	IP55/Type 12 IP66/Type 4X	IP21/Type 1 IP55/Type 12 IP66/Type 4X	IP00/ Chassis	IP00/ Chassis	IP00/ Chassis	IP21/Type 1 IP55/Type 12 IP66/Type 4X	IP21/Type 1 IP55/Type 12 IP66/Type 4X	IP00/ Chassis	IP00/ Chassis	
[mm]	Height	268	375	268	375	390	420	480	650	399	520	680	770	550	660
	Height with decoupling plate	374	-	374	-	-	-	-	-	420	595	-	-	630	800
	Width	90	90	130	130	200	242	242	242	165	230	308	370	308	370
	Width with one C option	130	130	170	170	-	242	242	242	205	230	308	370	308	370
	Depth	205	207	205	207	175	200	260	260	249	242	310	335	333	333
	Depth with A, B option	220	222	220	222	175	200	260	260	262	242	310	335	333	333
	Depth with mains disconnect	-	-	-	-	206	224	289	290	-	-	344	378	-	-
[kg]	Weight	4.9	5.3	6	7	9.7	14.2	23	27	12	23.5	45	64	35	50
[in]	Height	10.6	14.8	10.6	14.8	15.4	16.6	18.9	25.6	15.8	20.5	26.8	30.4	21.7	26
	Height with decoupling plate	14.8	-	14.8	-	-	-	-	-	16.6	23.5	-	-	24.8	31.5
	Width	3.6	3.6	5.2	5.2	7.9	9.6	9.6	9.6	6.5	9.1	12.2	14.6	12.2	14.6
	Width with one C option	5.2	5.2	6.7	6.7	-	9.6	9.6	9.6	8.1	9.1	12.2	14.6	12.2	14.6
	Depth	8.1	18.2	8.1	8.2	6.9	7.9	10.3	10.3	9.8	9.6	12.3	13.2	13	13
	Depth with mains disconnect	-	-	-	-	8.2	8.9	11.4	11.5	-	-	13.6	14.9	-	-
	Depth with A, B option	8.7	8.8	8.7	8.8	6.9	7.9	10.3	10.3	10.4	9.6	12.3	13.2	13	13
[lb]	Weight	10.8	11.7	14.6	15.5	21.5	31.5	50.7	59.6	26.5	52	99.3	143.3	77.2	110.2



A3 IP20/Chassis with decoupling plate



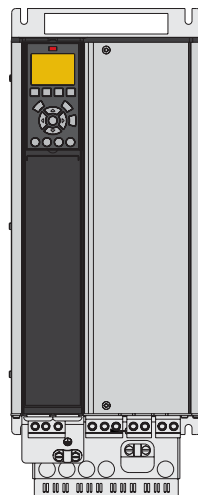
A3 IP20 with option C



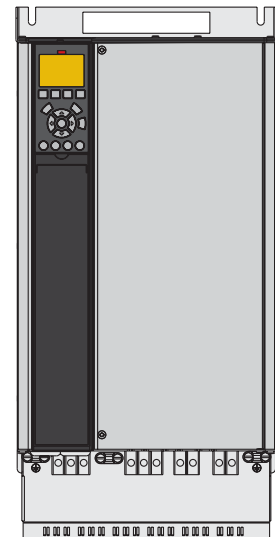
A3 with IP21/Type 12 NEMA 1 Kit



A4 IP55 with mains disconnect



B4 IP20



C3 IP20