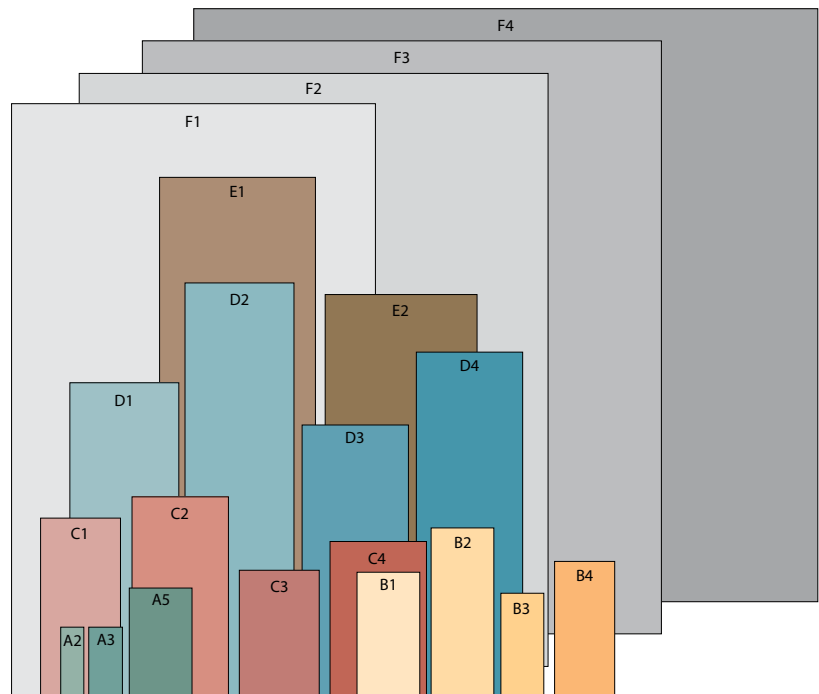


VLT® HVAC Drive

VLT HVAC Drives are available in numerous enclosure frame sizes illustrated at right and in several power ranges shown in the charts on the following pages.



200 – 240 VAC 3Ø

HP	Current [A]				Est. Power Loss @ Rated Max. Load (W)	Enclosure Rating/Frame Size ⁽¹⁾		
	Output		Input			Protected Chassis IP20	NEMA 1 IP21	NEMA 12 IP55
	Cont.	Int.	Cont.	Int.				
1-1/2	6.6	7.3	5.9	6.5	63			
2	7.5	8.3	6.8	7.5	82	A2	A2	A5
3	10.6	11.7	9.5	10.5	116			
4	12.5	13.8	11.3	12.4	155	A3	A3	A5
5	16.7	18.4	15.0	16.5	185			
7-1/2	24.2	26.6	22.0	24.2	269			
10	30.8	33.9	28.0	30.8	310	B3	B1	B1
15	46.2	50.8	42.0	46.2	447			
20	59.4	65.3	54.0	59.4	602	B4	B2	B2
25	74.8	82.3	68.0	74.8	737			
30	88.0	96.8	88.0	88.0	845	C3	C1	C1
40	115	127	104	114	1140			
50	143	157	130	143	1353	C4	C2	C2
60	170	187	154	169	1636			

Note: 110% Torque Overload is rated for 60 seconds.

⁽¹⁾ See page 58 for the index to dimension drawings.

Performance Data

380 – 480 VAC 3Ø

HP	Current [A]				Est. Power Loss @ Rated Max. Load (W)	Enclosure Rating/Frame Size ⁽¹⁾		
	Output		Input			Protected Chassis IP20	NEMA 1 IP21	NEMA 12 IP55
	Cont.	Int.	Cont.	Int.				
1-1/2	2.7	3.0	2.7	4.1	58			
2	3.4	3.7	3.1	3.4	62			
3	4.8	5.3	4.3	4.7	88	A2	—	A5
4	6.3	6.9	5.7	6.3	116			
5	8.2	9.0	7.4	8.1	124			
7-1/2	11.0	12.1	9.9	10.9	187	A3	—	A5
10	14.5	15.4	13.0	14.3	255			
15	21	23.1	19	20.9	278	B3	B1	B1
20	27	29.7	25	27.5	392			
25	34	37.4	31	34.1	465			
30	40	44	36	39.6	525	B4	B2	B2
40	52	61.6	47	51.7	739			
50	65	71.5	59	64.9	698			
60	80	88	73	80.3	843	C3	C1	C1
75	105	116	95	105	1083			
100	130	143	118	130	1384	C4	C2	C2
125	160	176	145	160	1474			

HP	Current [A]				Est. Power Loss @ Rated Max. Load (W)	Enclosure Rating/Frame Size ⁽¹⁾		
	Output		Input			Chassis IP00	NEMA 1 IP21	NEMA 12 IP54
	Cont.	Int.	Cont.	Int.				
150	190	209	185	185	3234			
200	240	264	231	231	3782	D3	D1	D1
250	302	332	291	291	4213			
300	361	397	348	348	5119	D4	D2	D2
350	443	487	427	427	5893			
450	540	594	531	531	7630			
500	590	649	580	580	7701			
550	678	746	667	667	8879	E2	E1	E1
600	730	803	718	718	9428			
650	780	858	759	759	⁽²⁾			
750	890	979	867	867	⁽²⁾			
900	1050	1155	1022	1022	⁽²⁾	—	F1 or F3	F1 or F3
1000	1160	1276	1129	1129	⁽²⁾			
1200	1380	1518	1344	1344	⁽²⁾			
1350	1530	1683	1490	1490	⁽²⁾	—	F2 or F4	F2 or F4

Note: 110% Torque Overload is rated for 60 seconds.

⁽¹⁾ See page 58 for the index to dimension drawings.

⁽²⁾ Contact Danfoss.

VLT® HVAC Drive

525 – 600 VAC 3Ø

HP	Current [A]				Est. Power Loss @ Rated Max. Load (W)	Enclosure Rating/Frame Size ⁽¹⁾		
	Output		Input			Protected Chassis IP20	NEMA 1 IP21	NEMA 12 IP55
	Cont.	Int.	Cont.	Int.				
1-1/2	2.4	2.6	2.4	2.7	50			
2	2.7	3.0	2.7	3.0	65			
3	3.9	4.3	4.1	4.5	92	A2	A2	A5
4	4.9	5.4	5.2	5.7	122			
5	6.1	6.7	5.8	6.4	145			
7-1/2	9.0	9.9	8.6	9.5	195			
10	11.0	12.1	10.4	11.5	261	A3	A3	A5
15	18	20	17.2	19	300			
20	22	24	20.9	23	400	B3	B1	B1
25	27	30	25.4	28	475			
30	34	37	32.7	36	525			
40	41	45	39	43	700	B4	B2	B2
50	52	57	49	54	750			
60	62	68	59	65	850			
75	83	91	78.9	87	1100	C3	C1	C1
100	100	110	95.3	105	1400			
125	131	144	124.3	137	1500	C4	C2	C2
150	110	155	171	151	3114			
200	132	192	211	189	3612	D3	D1	D1
250	160	242	266	234	4292			
300	200	290	319	286	5156			
350	250	344	378	339	5821	D4	D2	D2
400	315	400	440	390	6149			
450	355	450	495	434	6449			
500	400	500	550	482	7249			
600	500	570	627	549	8727	E2	E1	E1
650	560	630	693	607	9673			

Note: 110% Torque Overload is rated for 60 seconds.

⁽¹⁾ See below for the index to dimension drawings.

Index of Dimensions

Frame Size	Enclosure Rating	Page
A2	Protected Chassis/IP20	59-60
	NEMA 1/ IP21	61-64
	Tier 2	65-66
	Tier 3	67-68
A3	Protected Chassis/IP20	69-70
	NEMA 1/ IP21	71-74
	Tier 3	77-78
A5	NEMA 12/ IP55	79
	Tier 2	80
	Tier 3	81
B1	NEMA 12/ IP55	82
	Tier 2	83
	Tier 3	84
B2	NEMA 12/ IP55	85
	Tier 2	86
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B3	Protected Chassis/IP20	88-89
B4	Protected Chassis/IP20	90

Frame Size	Enclosure Rating	Page
C1	NEMA 12/ IP55	91
	Tier 2	92
	Tier 3	93
C2	NEMA 12/ IP55	94
	Tier 2	95
	Tier 3	96
C3	Protected Chassis/IP20	97
C4	Protected Chassis/IP20	98
D1	NEMA 12/ IP54	99
	Tier 2	100
	Tier 3	101
D2	NEMA 12/ IP54	102
	Tier 2	103
	Tier 3	104
D3	Chassis/IP00	105
D4	Chassis/IP00	106
E1	NEMA 12/ IP54	107
E2	Chassis/IP00	108
F1	NEMA 12/ IP54	109
F2	NEMA 12/ IP54	110
F3	NEMA 12/ IP54	111
F4	NEMA 12/ IP54	112