

# 380 – 480 VAC

Enclosure	IP 20 (IP 21*)/Chassis(Type 1)		A2					A3	
	IP 55 + IP 66 /Type 12		A4 + A5					A5	
			P1K1	P1K5	P2K2	P3K0	P4K0	P5K5	P7K5
<b>Typical Shaft Output</b>		[kW]	1.1	1.5	2.2	3	4	5.5	7.5
<b>Typical Shaft Output at 460 V</b>		[HP]	1.5	2.0	2.9	4.0	5.0	7.5	10
<b>Output Current</b> (3 x 380 – 440 V)	Continuous	[A]	3	4.1	5.6	7.2	10	13	16
	Intermittent	[A]	3.3	4.5	6.2	7.9	11	14.3	17.6
<b>Output Current</b> (3 x 441 – 480 V)	Continuous	[A]	2.7	3.4	4.8	6.3	8.2	11	14.5
	Intermittent	[A]	3.0	3.7	5.3	6.9	9.0	12.1	15.4
<b>Output Power</b> (400 V AC)	Continuous	[kVA]	2.1	2.8	3.9	5.0	6.9	9.0	11.0
<b>Output Power</b> (460 V AC)	Continuous	[kVA]	2.4	2.7	3.8	5.0	6.5	8.8	11.6
<b>Max. cable size</b> (Mains, motor, brake)		[mm <sup>2</sup> ] ([AWG])	4 (10)						
<b>Max. Input Current</b> (3 x 380 – 440 V)	Continuous	[A]	2.7	3.7	5.0	6.5	9.0	11.7	14.4
	Intermittent	[A]	3.0	4.1	5.5	7.2	9.9	12.9	15.8
<b>Max. Input Current</b> (3 x 441 – 480 V)	Continuous	[A]	2.7	3.1	4.3	5.7	7.4	9.9	13.0
	Intermittent	[A]	3.0	3.4	4.7	6.3	8.1	10.9	14.3
<b>Max. pre-fuses</b>		[A]	10	10	20	20	20	32	32
<b>Environment</b>									
<b>Estimated power loss at rated max. load</b>		[W]	58	62	88	116	124	187	255
<b>Weight</b>									
IP 20		[kg]	4.8	4.9	4.9	4.9	4.9	6.6	6.6
IP 55, IP 66		[kg]	13.5	13.5	13.5	13.5	13.5	14.2	14.2
<b>Efficiency</b>			0.96	0.97	0.97	0.97	0.97	0.97	0.97

Enclosure	IP 20 (IP 21*)/Chassis(Type 1)		B3			B4			C3		C4	
	IP 21/Type 1, IP 55 + IP 66/Type 12		B1			B2			C1		C2	
			P11K	P15K	P18K	P22K	P30K	P37K	P45K	P55K	P75K	P90K
<b>Typical Shaft Output</b>		[kW]	11	15	18.5	22	30	37	45	55	75	90
<b>Typical Shaft Output at 460 V</b>		[HP]	15	20	25	30	40	50	60	75	100	125
<b>Output Current</b> (3 x 380 – 439 V)	Continuous	[A]	24	32	37.5	44	61	73	90	106	147	177
	Intermittent	[A]	26.4	35.2	41.3	48.4	67.1	80.3	99	117	162	195
<b>Output Current</b> (3 x 440 – 480 V)	Continuous	[A]	21	27	34	40	52	65	80	105	130	160
	Intermittent	[A]	23.1	29.7	37.4	44	61.6	71.5	88	116	143	176
<b>Output Power</b> (400 V AC)	Continuous	[kVA]	16.6	22.2	26	30.5	42.3	50.6	62.4	73.4	102	123
<b>Output Power</b> (460 V AC)	Continuous	[kVA]	16.7	21.5	27.1	31.9	41.4	51.8	63.7	83.7	104	128
<b>Max. cable size</b> Mains, motor, brake		[mm <sup>2</sup> ] ([AWG])	10 (7)			35 (2)			50 (1/0) (B4 = 35 (2))		95 (4/0)	120 (250 MCM) <sup>1)</sup>
<b>Max. cable size mains</b> With mains disconnect switch included		[mm <sup>2</sup> ] ([AWG])	16 (6)						35 (2)		70 (3/0)	185 (kcmil 350)
<b>Max. Input Current</b> (3 x 380 – 439 V)	Continuous	[A]	22	29	34	40	55	66	82	96	133	161
	Intermittent	[A]	24.2	31.9	37.4	44	60.5	72.6	90.2	106	146	177
<b>Max. Input Current</b> (3 x 440 – 480 V)	Continuous	[A]	19	25	31	36	47	59	73	95	118	145
	Intermittent	[A]	20.9	27.5	34.1	39.6	51.7	64.9	80.3	105	130	160
<b>Max. pre-fuses</b>		[A]	63	63	63	63	80	100	125	160	250	250
<b>Environment</b>												
<b>Estimated power loss at rated max. load</b>		[W]	278	392	465	525	698	739	843	1083	1384	1474
<b>Weight</b>												
IP 20		[kg]	12	12	12	23.5	23.5	23.5	35	35	50	50
IP 21, IP 55, IP 66		[kg]	23	23	23	27	27	45	45	45	65	65
<b>Efficiency</b>			0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99

\* (A2, A3, B3, B4, C3 and C4 may be converted to IP21 using a conversion kit. Please contact Danfoss.  
(Please see also items Mechanical mounting in Operating Instructions and IP 21/ Type 1 Enclosure kit in the Design Guide.))

1) With brake and load sharing 95 (4/0)