



all dimensions in mm

Part number key

Modular	#####
Standard	#####
Calculated data	#####

Please see our customisation options page for details on the modifications available on our products. Advice and guidance on these options are available from your local sales contact.

Technical data

1 Part number		775121	775122	775123	775124	775125	775126
2 Nominal power	W	220	220	220	220	220	220
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4322	3869	3789	3748	3511	3726
5 No load current	A	2.20	1.31	0.41	0.77	0.29	0.11
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.7	0.7	0.7	0.7	0.7	0.7
8 Nominal continuous current (S1)	A	27.8	13.4	7.2	6.2	2.6	1.4
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.9	0.9	0.9	0.9	0.9	0.9
10 Stall current	A	94.0	53.4	36.0	26.0	12.3	1.1
11 Stall torque	Nm	2.5	3.0	3.6	3.3	3.6	3.3
12 Stack length	mm	69	69	69	69	69	69
13 Maximum efficiency	%	75	71	81	75	73	74
14 Terminal resistance	Ω	0.13	0.45	1.13	1.85	8.97	36.00
15 Terminal inductance	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	359	156	91	78	32	16
17 Torque constant	Nm/A	0.027	0.058	0.100	0.130	0.300	0.550
18 Speed torque gradient	rpm/Nm	1723	1284	1048	1146	975	1136
19 Rotor inertia	gcm²	3250	3250	3250	3250	3250	3250

Thermal data

20 Ambient temperature	°C	40
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Mechanical data

21 Radial load [distance from flange]	N [mm]	200 [15]
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Other data

22 Number of poles		2
23 Weight	Kg	2.7
24 IP rating		IP21
25 Enclosure		Ventilated
26 Insulation Class		F
27 Reversible		Yes

Compatible products

Gearbox	+L mm	Brake	+L mm	Controller
M Box	85	1.5 Nm	28.2	SC 50/15
MIW	83	2.0 Nm	32.4	ESCON
LWS	127			EPOS
LIW	102			
LIS	108			
GB12	110			
GB80	80			

+L mm = approximate added length*

Encoder	+L mm
Optical	9
Magnetic	12

Compatible products key

Product name	Standard combination
Product name	Modular combination

*additional length may also be required for mounting flange between components