



all dimensions in mm

Part number key			
Modular	#####		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.
Standard	#####		
Calculated data	#####		

Technical data							
1 Part number		775158	775159	775160	775161	775162	775163
2 Nominal power	W	210	210	210	210	210	210
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	3559	3865	3748	3641	3668	3797
5 No load current	A	2.30	1.30	0.65	0.52	0.27	0.14
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.67	0.67	0.67	0.67	0.67	0.67
8 Nominal continuous current (S1)	A	22.5	12.3	7.6	6.2	2.5	1.3
9 Max. intermittent torque (S2 - 15 minutes)	Nm	1.17	1.17	1.17	1.17	1.17	1.17
10 Stall current	A	101.0	80.0	51.0	40.4	19.0	8.6
11 Stall torque	Nm	3.3	4.8	4.8	4.7	5.5	4.8
12 Stack length	mm	81	81	81	81	81	81
13 Maximum efficiency	%	74	79	75	75	81	79
14 Terminal resistance	Ω	0.12	0.30	0.78	1.19	5.85	25.50
15 Terminal inductance	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	296	156	88	71	33	17
17 Torque constant	Nm/A	0.336	0.060	0.090	0.120	0.290	0.570
18 Speed torque gradient	rpm/Nm	1079	809	777	777	666	797
19 Rotor inertia	gcm²	4600	4600	4600	4600	4600	4600

Thermal data	
20 Ambient temperature	°C 40

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

Other data	
22 Number of poles	2
23 Weight	Kg 2.9
24 IP rating	IP54
25 Enclosure	Enclosed
26 Insulation Class	F
27 Reversible	Yes

Compatible products					
Gearbox	+L mm	Brake	+L mm	Encoder	+L mm
M Box	85.0	1.5 Nm	28.2	Incr. 5-pin	9.0
MIW	83.0	2.0 Nm	32.4	Incr. 10-pin	9.0
LWS	127.0	4.0 Nm	27.7	Diff. 10-pin	12.0
LIW	102.0	Power-on	26.4	Magnetic	12.0
LIS	108.0				
GB12	110.0	Controller		Key	
GB80	80.0	SC 50/15		Standard combination	
		ESCON		Modular combination	
		EPOS			

L mm = approximate added length

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