



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**

		775321	775322	775323	775324	775325	775326
1 Part number							
2 Nominal power	<b>W</b>	45	45	45	45	45	45
3 Nominal voltage	<b>V</b>	12	24	40	48	110	220
4 No load speed	<b>rpm</b>	4185	3895	3820	4082	4252	3707
5 No load current	<b>A</b>	0.70	0.34	0.19	0.21	0.07	0.04
6 Nominal speed	<b>rpm</b>	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	<b>Nm</b>	0.14	0.14	0.14	0.14	0.14	0.14
8 Nominal continuous current (S1)	<b>A</b>	6.00	2.60	1.70	1.55	0.64	0.30
9 Max. intermittent torque (S2 - 15 minutes)	<b>Nm</b>	0.20	0.20	0.20	0.20	0.20	0.20
10 Stall current	<b>A</b>	32.0	11.0	7.9	6.9	3.3	1.5
11 Stall torque	<b>Nm</b>	0.8	0.7	0.7	0.7	0.8	0.8
12 Stack length	<b>mm</b>	26	26	26	26	26	26
13 Maximum efficiency	<b>%</b>	71	74	67	66	73	69
14 Terminal resistance	<b>Ω</b>	0.3	1.2	5.1	5.6	23.7	116.0
15 Terminal inductance	<b>mH</b>	-	-	-	-	-	-
16 Speed constant	<b>rpm/V</b>	341	154	93	80	35	16
17 Torque constant	<b>Nm/A</b>	0.062	0.062	0.092	0.105	0.240	0.540
18 Speed torque gradient	<b>rpm/Nm</b>	5165	5765	5385	5854	5342	4827
19 Rotor inertia	<b>gcm<sup>2</sup></b>	944	944	944	944	944	944

**Thermal data**

20 Ambient temperature	<b>°C</b>	40
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**Mechanical data**

21 Radial load [distance from flange]	<b>N [mm]</b>	150 [15]
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**Other data**

22 Number of poles		2
23 Weight	<b>Kg</b>	1.1
24 IP rating		IP54
25 Enclosure		Enclosed
26 Insulation Class		F
27 Reversible		Yes

**Compatible products**

Gearbox	+L mm	Brake	+L mm	Controller
S Box	59	1.5 Nm	28.2	SC 50/15
M Box	85			ESCON
MWS	110			EPOS
MIW	83	<b>Encoder</b>	<b>+L mm</b>	
LWS	127	Optical	9	
LIW	102	Magnetic	12	
LIS	108	+L mm = approximate added length*		
GB28	85	<b>Compatible products key</b>		
GB36	166	Product name	Standard combination	
GB58	50	Product name	Modular combination	
GB80	80			

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