



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**

		775302	775303	775304	775305	775306	775307
1 Part number		775302	775303	775304	775305	775306	775307
2 Nominal power	<b>W</b>	38	38	38	38	38	38
3 Nominal voltage	<b>V</b>	12	24	40	48	110	220
4 No load speed	<b>rpm</b>	3546	3674	3700	3738	3813	3645
5 No load current	<b>A</b>	0.50	0.20	0.12	0.10	0.10	0.05
6 Nominal speed	<b>rpm</b>	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	<b>Nm</b>	0.12	0.12	0.12	0.12	0.12	0.12
8 Nominal continuous current (S1)	<b>A</b>	4.2	2.1	1.3	1.1	0.5	0.3
9 Max. intermittent torque (S2 - 15 minutes)	<b>Nm</b>	0.17	0.17	0.17	0.17	0.17	0.17
10 Stall current	<b>A</b>	18.30	10.30	6.20	5.30	2.44	1.12
11 Stall torque	<b>Nm</b>	0.60	0.63	0.63	0.64	0.63	0.60
12 Stack length	<b>mm</b>	37	37	37	37	37	37
13 Maximum efficiency	<b>%</b>	71	75	75	75	66	66
14 Terminal resistance	<b>Ω</b>	0.7	1.8	6.4	9.0	45.0	197.0
15 Terminal inductance	<b>mH</b>	-	-	-	-	-	-
16 Speed constant	<b>rpm/V</b>	296	148	90	76	35	17
17 Torque constant	<b>Nm/A</b>	0.033	0.063	0.104	0.120	0.270	0.570
18 Speed torque gradient	<b>rpm/Nm</b>	6087	5827	5827	5825	6055	6055
19 Rotor inertia	<b>gcm<sup>2</sup></b>	596	596	596	596	596	596

**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>	110 [15]
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**Other data**

22 Number of poles		2
23 Weight	<b>Kg</b>	0.7
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
S Box	59.0	1.5 Nm	28.2	Incr. 5-pin	9.0
SWS	110.0			Incr. 10-pin	9.0
SIW	82.0			Diff. 10-pin	12.0
SIS	72.0			Magnetic	12.0
GB28	85.0				
GB36	166.0	<b>Controller</b>		<b>Key</b>	
GB58	50.0	SC 50/15		Standard combination	
		ESCON		<b>Modular combination</b>	
		EPOS			

+L mm = approximate added length\*

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