



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		774710	774711	774712	774713	774714	774715
2 Nominal power	<b>W</b>	141	141	141	141	141	141
3 Nominal voltage	<b>V</b>	12	24	40	48	110	220
4 No load speed	<b>rpm</b>	4436	3850	3697	4117	3856	4011
5 No load current	<b>A</b>	1.90	1.28	0.55	0.70	0.18	0.11
6 Nominal speed	<b>rpm</b>	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	<b>Nm</b>	0.45	0.45	0.45	0.45	0.45	0.45
8 Nominal continuous current (S1)	<b>A</b>	18.6	9.1	5.1	4.7	2.0	1.0
9 Max. intermittent torque (S2 - 15 minutes)	<b>Nm</b>	0.58	0.58	0.58	0.58	0.58	0.58
10 Stall current	<b>A</b>	63.4	44.3	33.4	20.0	10.4	5.2
11 Stall torque	<b>Nm</b>	1.7	2.5	3.2	2.1	2.6	2.6
12 Stack length	<b>mm</b>	57	57	57	57	57	57
13 Maximum efficiency	<b>%</b>	73	69	73	68	72	72
14 Terminal resistance	<b>Ω</b>	0.2	0.5	1.2	2.4	10.4	42.0
15 Terminal inductance	<b>mH</b>	-	-	-	-	-	-
16 Speed constant	<b>rpm/V</b>	343	161	90	86	35	17
17 Torque constant	<b>Nm/A</b>	0.027	0.058	0.098	0.110	0.250	0.510
18 Speed torque gradient	<b>rpm/Nm</b>	2695	1539	1143	1916	1470	1528
19 Rotor inertia	<b>gcm<sup>2</sup></b>	2830	2830	2830	2830	2830	2830

**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>	200 [15]
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**Other data**

22 Number of poles		2
23 Weight	<b>Kg</b>	2.5
24 IP rating		IP54
25 Enclosure		Enclosed
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