



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		774710	774711	774712	774713	774714	774715
2 Nominal power	W	141	141	141	141	141	141
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4436	3850	3697	4117	3856	4011
5 No load current	A	1.90	1.28	0.55	0.70	0.18	0.11
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.45	0.45	0.45	0.45	0.45	0.45
8 Nominal continuous current (S1)	A	18.6	9.1	5.1	4.7	2.0	1.0
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.58	0.58	0.58	0.58	0.58	0.58
10 Stall current	A	63.4	44.3	33.4	20.0	10.4	5.2
11 Stall torque	Nm	1.7	2.5	3.2	2.1	2.6	2.6
12 Stack length	mm	57	57	57	57	57	57
13 Maximum efficiency	%	73	69	73	68	72	72
14 Terminal resistance	Ω	0.2	0.5	1.2	2.4	10.4	42.0
15 Terminal inductance	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	343	161	90	86	35	17
17 Torque constant	Nm/A	0.027	0.058	0.098	0.110	0.250	0.510
18 Speed torque gradient	rpm/Nm	2695	1539	1143	1916	1470	1528
19 Rotor inertia	gcm²	2830	2830	2830	2830	2830	2830

Thermal data		Compatible products			
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	2.5			
24 IP rating		IP54			
25 Enclosure		Enclosed			
26 Insulation Class		F			
27 Reversible		Yes			

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			

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