



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

		774305	774306	774307	774308	774309	774310
1 Part number		774305	774306	774307	774308	774309	774310
2 Nominal power	W	119	119	119	119	119	119
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4364	4115	3676	3870	3874	4110
5 No load current	A	1.46	1.08	0.56	0.45	0.26	0.12
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.38	0.38	0.38	0.38	0.38	0.38
8 Nominal continuous current (S1)	A	17.5	8.2	4.4	3.7	1.8	0.9
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.50	0.50	0.50	0.50	0.50	0.50
10 Stall current	A	72.0	40.3	30.0	24.0	9.4	4.2
11 Stall torque	Nm	1.9	2.1	2.9	2.8	2.3	2.1
12 Stack length	mm	45	45	45	45	45	45
13 Maximum efficiency	%	69	68	71	75	63	71
14 Terminal resistance	Ω	0.2	0.6	1.3	2.0	11.8	52.6
15 Terminal inductance	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	351	175	89	77	35	18
17 Torque constant	Nm/A	0.024	0.053	0.099	0.120	0.250	0.510
18 Speed torque gradient	rpm/Nm	2601	1963	1283	1398	1715	1991
19 Rotor inertia	gcm²	1260	1260	1260	1260	1260	1260

Thermal data

20 Ambient temperature	°C	40
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Mechanical data

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

22 Number of poles		2
23 Weight	Kg	2.1
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
LW	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