



Part number key	
Modular	#####
Standard	#####
Special	#####

Available on request: Custom shaft length and diameter, shaft on both sides, special windings for specific voltages and speed, higher IP protection class, custom flanges and connectors

All products are built in accordance to performance tolerances from EN60034-1:2010. As continuous improvement, Parvalux periodically test their product range to ensure test results are as accurate as possible and are therefore subject to change. Please ensure you are using the latest datasheets found on our website

Technical data					
1 Part number		PM7-3K12	PM7-3K24	PM7-3K40	PM7-3K48
2 Nominal power	W	15	15	15	15
3 Nominal voltage	V	12	24	40	48
4 No load speed	rpm	3743	4057	4194	4154
5 No load current	A	0.40	0.28	0.13	0.11
6 Nominal speed	rpm	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.05	0.05	0.05	0.05
8 Nominal continuous current (S1)	A	2.11	1.39	0.75	0.62
9 Max. intermittent torque (S3)	Nm	0.08	0.08	0.08	0.08
10 Stall current	A	10.0	4.9	2.4	2.0
11 Stall torque	Nm	0.3	0.2	0.2	0.2
12 Stack length	mm	12	12	12	12
13 Maximum efficiency	%	61	47	52	52
14 Terminal resistance - phase to phase	Ω	1.0	4.9	16.7	24.2
15 Terminal inductance - phase to phase	mH	-	-	-	-
16 Speed constant	rpm/V	319	172	112	93
17 Torque constant	Nm/A	0.028	0.043	0.078	0.094
18 Speed torque gradient	rpm/Nm	13959	20491	23482	23483
19 Rotor inertia	gcm ²	361	361	361	361

Thermal data		
20 Ambient temperature	°C	40

Mechanical data		
21 Radial load [distance from flange]	N [mm]	110 [15]

Other data		
22 Number of poles		2
23 Weight	Kg	0.5
24 IP rating		IP54
25 Enclosure		Enclosed
26 Insulation Class		F
27 Reversible		Yes

