



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		PM8-3K12	PM8-3K24	PM8-3K40	PM8-3K48	PM8-3K110	PM8-3K220
1 Part number							
2 Nominal power	W	25	25	25	25	25	25
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4317	3812	4099	3936	3849	4229
5 No load current	A	0.60	0.20	0.13	0.11	0.05	0.03
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.078	0.078	0.078	0.078	0.078	0.078
8 Nominal continuous current (S1)	A	3.60	1.90	1.03	0.76	0.34	0.18
9 Max. intermittent torque (S3)	Nm	0.11	0.11	0.11	0.11	0.11	0.11
10 Stall current	A	19.0	7.9	5.4	4.1	1.3	0.8
11 Stall torque	Nm	0.5	0.5	0.5	0.4	0.3	0.4
12 Stack length	mm	24	24	24	24	24	24
13 Maximum efficiency	%	68	64	65	71	62	70
14 Terminal resistance - phase to phase	Ω	0.5	2.4	4.7	11.7	72.0	171.0
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	353	151	97	78	34	18
17 Torque constant	Nm/A	0.026	0.060	0.090	0.120	0.260	0.520
18 Speed torque gradient	rpm/Nm	9131	8230	4593	9980	13485	10916
19 Rotor inertia	gcm <sup>2</sup>	523	523	523	523	523	523

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 0.6
24 IP rating	IP54
25 Enclosure	Enclosed
26 Insulation Class	F
27 Reversible	Yes

