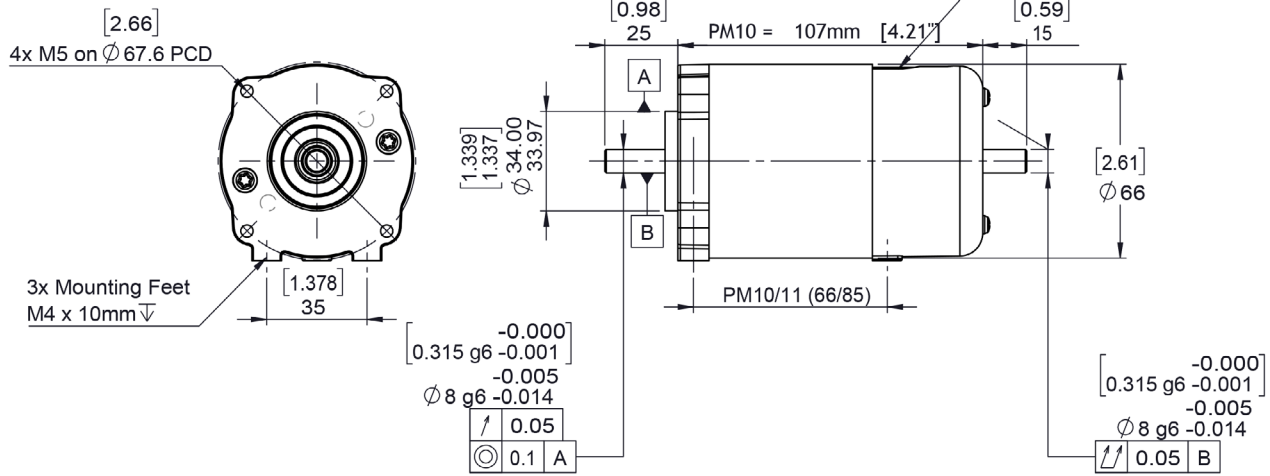


Lead Length - 300mm [11.81"]
 Type - UL3289 / CSA CL 1503 600V 150°C
 Colour - Red & Black. 16 AWG



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		PM10-3K12	PM10-3K24	PM10-3K40	PM10-3K48	PM10-3K110	PM10-3K220
1 Part number							
2 Nominal power	W	45	45	45	45	45	45
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4185	3895	3820	4082	4252	3707
5 No load current	A	0.70	0.34	0.19	0.21	0.07	0.04
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.14	0.14	0.14	0.14	0.14	0.14
8 Nominal continuous current (S1)	A	6.00	2.60	1.70	1.55	0.64	0.30
9 Max. intermittent torque (S3)	Nm	0.20	0.20	0.20	0.20	0.20	0.20
10 Stall current	A	32.0	11.0	7.9	6.9	3.3	1.5
11 Stall torque	Nm	0.8	0.7	0.7	0.7	0.8	0.8
12 Stack length	mm	26	26	26	26	26	26
13 Maximum efficiency	%	71	74	67	66	73	69
14 Terminal resistance - phase to phase	Ω	0.3	1.2	5.1	5.6	23.7	116.0
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	341	154	93	80	35	16
17 Torque constant	Nm/A	0.260	0.062	0.092	0.105	0.240	0.540
18 Speed torque gradient	rpm/Nm	5165	5765	5385	5854	5342	4827
19 Rotor inertia	Kg/cm ²	9.44 x 10 ⁻⁵	9.44 x 10 ⁻⁵	9.44 x 10 ⁻⁵	9.44 x 10 ⁻⁵	9.44 x 10 ⁻⁵	9.44 x 10 ⁻⁵

Thermal data	
20 Ambient temperature	°C 40

Mechanical data	
21 Radial load [distance from flange]	N [mm] 150 [15]

Other data	
22 Number of poles	2
23 Weight	Kg 1.1
24 IP rating	IP54
25 Enclosure	Enclosed
26 Insulation Class	F
27 Reversible	Yes

Compatible products

Gearbox	+L mm	Gearbox	+L mm	Gearbox	+L mm
S	59	MIW	83	LWS	127
M	85	MWS	110	LIS	108
GB28	85	MIS	95	PG62	44 - 90
GB36	166	LIW	102	PG71	49 - 99

