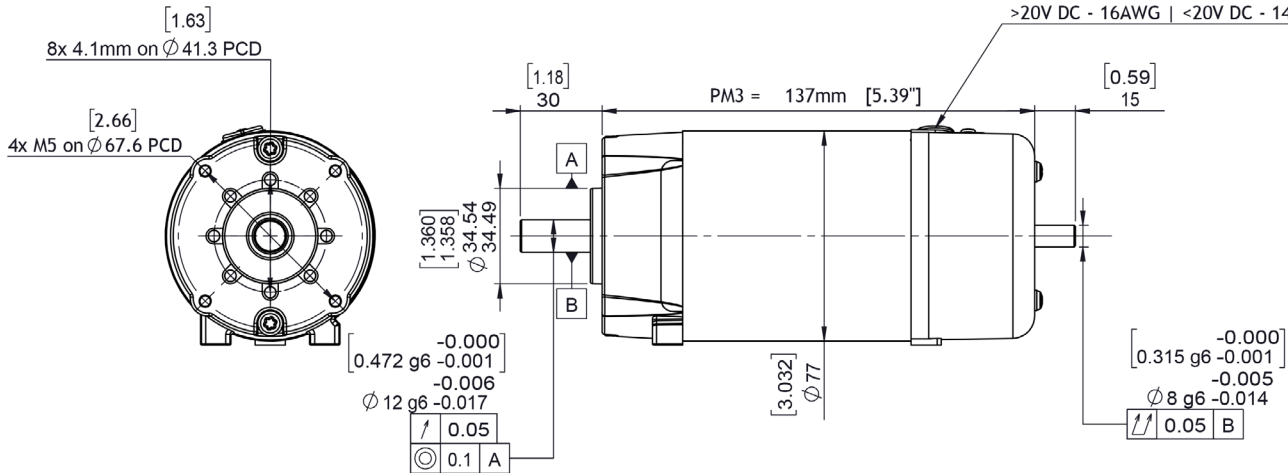


Lead Length - 300mm [11.81"]
 Type - UL3289 / CSA CL 1503 600V 150°C
 Colour - Red & Black
 >20V DC - 16AWG | <20V DC - 14AWG



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

Technical data			PM3-3K12	PM3-3K24	PM3-3K40	PM3-3K48	PM3-3K110	PM3-3K220
1 Part number								
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 (S3)	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 - phase to phase	Ω		0.2	0.6	1.3	2.0	11.8	52.6
15 Terminal inductance - phase to phase	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	gcm ²		1260	1260	1260	1260	1260	1260

Thermal data			
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		2.1
24 IP rating			IP54
25 Enclosure			Enclosed
26 Insulation Class			F
27 Reversible			Yes

Compatible products

Brake	+L mm	Gearbox	+L mm	Gearbox	+L mm
1.5 Nm	28.2	M	85	LWS	127
2.0 Nm	32.4	GB12	110	LIS	108
		MIW	83	PG71	49 - 99
		MIS	95	PG80	52 - 102
		LIW	102		

Encoder	+L mm	Controller
Optical	9	SC 50/15
Magnetic	12	ESCON
		EPOS

+L mm = added length