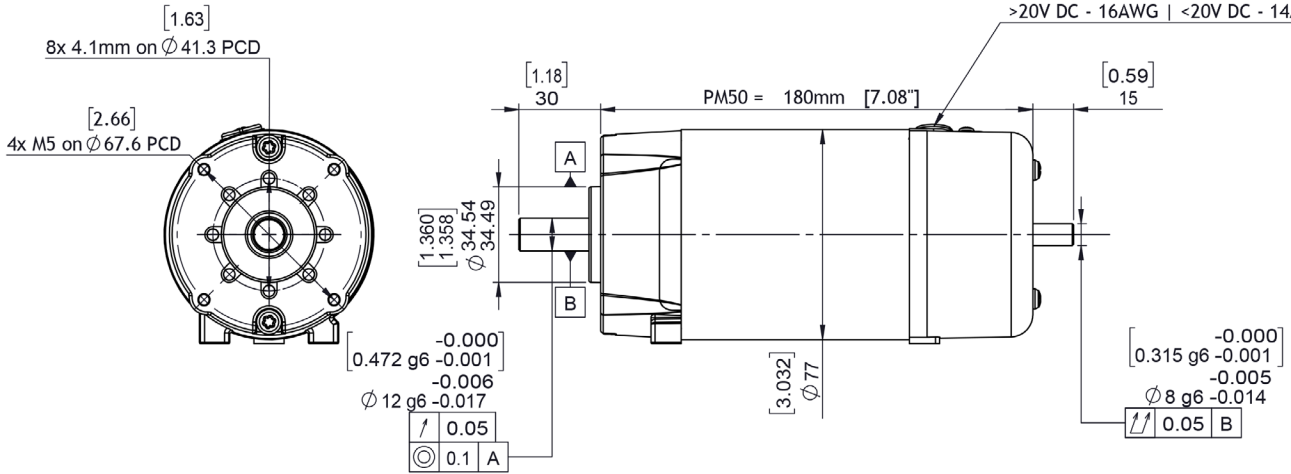


Lead Length - 300mm [11.81"]
 Type - UL3289 / CSA CL 1503 600V 150°C
 Colour - Red & Black
 >20V DC - 16AWG | <20V DC - 14AWG



Part number key	
Modular	#####
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		PM50-3K12	PM50-3K24	PM50-3K40	PM50-3K48	PM50-3K110	PM50-3K220
1 Part number		PM50-3K12	PM50-3K24	PM50-3K40	PM50-3K48	PM50-3K110	PM50-3K220
2 Nominal power	W	210	210	210	210	210	210
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	3559	3865	3748	3641	3668	3797
5 No load current	A	2.30	1.30	0.65	0.52	0.27	0.14
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.67	0.67	0.67	0.67	0.67	0.67
8 Nominal continuous current (S1)	A	22.5	12.3	7.6	6.2	2.5	1.3
9 Max. intermittent torque (S3)	Nm	1.17	1.17	1.17	1.17	1.17	1.17
10 Stall current	A	101.0	80.0	51.0	40.4	19.0	8.6
11 Stall torque	Nm	3.3	4.8	4.8	4.7	5.5	4.8
12 Stack length	mm	81	81	81	81	81	81
13 Maximum efficiency	%	74	79	75	75	81	79
14 Terminal resistance - phase to phase	Ω	0.12	0.30	0.78	1.19	5.85	25.50
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	296	156	88	71	33	17
17 Torque constant	Nm/A	0.336	0.060	0.090	0.120	0.290	0.570
18 Speed torque gradient	rpm/Nm	1079	809	777	777	666	797
19 Rotor inertia	Kg/cm ²	0.46x10 ⁻³	0.46x10 ⁻³	0.46x10 ⁻³	0.46x10 ⁻³	0.46x10 ⁻³	0.46x10 ⁻³

Thermal data		Compatible products	
20 Ambient temperature	°C	40	
Mechanical data		Brake	+L mm
21 Radial load [distance from flange]	N [mm]	1.5 Nm	28.2
		2.0 Nm	32.4
Other data		Gearbox	+L mm
22 Number of poles		M	85
23 Weight	Kg	LWS	127
24 IP rating		GB12	110
25 Enclosure	Enclosed	MIW	83
26 Insulation Class	F	MIS	95
27 Reversible	Yes	LIW	102
		PG71	49 - 99
		PG80	52 - 102
		Encoder	+L mm
		Optical	9
		Magnetic	12
		Controller	
		SC 50/15	
		ESCON	
		EPOS	

+L mm = added length