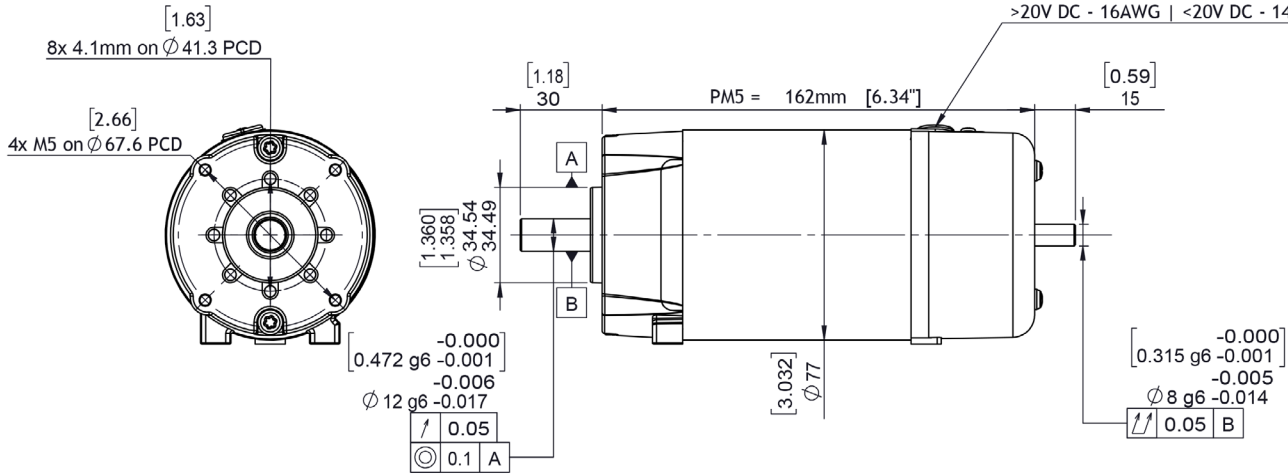


Lead Length - 300mm [11.81"]  
 Type - UL3289 / CSA CL 1503 600V 150 °C  
 Colour - Red & Black  
 >20V DC - 16AWG | <20V DC - 14AWG



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		PM5-3K12	PM5-3K24	PM5-3K40	PM5-3K48	PM5-3K110	PM5-3K220
1 Part number		PM5-3K12	PM5-3K24	PM5-3K40	PM5-3K48	PM5-3K110	PM5-3K220
2 Nominal power	W	170	170	170	170	170	170
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	3602	3869	3789	3748	3511	3726
5 No load current	A	1.80	1.31	0.41	0.77	0.29	0.11
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.54	0.54	0.54	0.54	0.54	0.54
8 Nominal continuous current (S1)	A	18.3	10.6	5.6	4.9	2.1	1.1
9 Max. intermittent torque (S3)	Nm	0.70	0.70	0.70	0.70	0.70	0.70
10 Stall current	A	66.0	53.4	36.0	26.0	12.3	1.1
11 Stall torque	Nm	2.1	3.0	3.6	3.3	3.6	3.3
12 Stack length	mm	69	69	69	69	69	69
13 Maximum efficiency	%	73	71	81	75	73	74
14 Terminal resistance - phase to phase	Ω	0.18	0.45	1.13	1.85	8.97	36.00
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	301	156	91	78	32	16
17 Torque constant	Nm/A	0.033	0.058	0.100	0.130	0.300	0.550
18 Speed torque gradient	rpm/Nm	1723	1284	1048	1146	975	1136
19 Rotor inertia	gcm <sup>2</sup>	3250	3250	3250	3250	3250	3250

Thermal data		Compatible products	
20 Ambient temperature	°C	40	
<b>Mechanical data</b>		<b>Brake</b>	<b>Gearbox</b>
21 Radial load [distance from flange]	N [mm]	200 [15]	
<b>Other data</b>			
22 Number of poles		2	
23 Weight	Kg	2.7	
24 IP rating		IP54	
25 Enclosure		Enclosed	
26 Insulation Class		F	
27 Reversible		Yes	

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