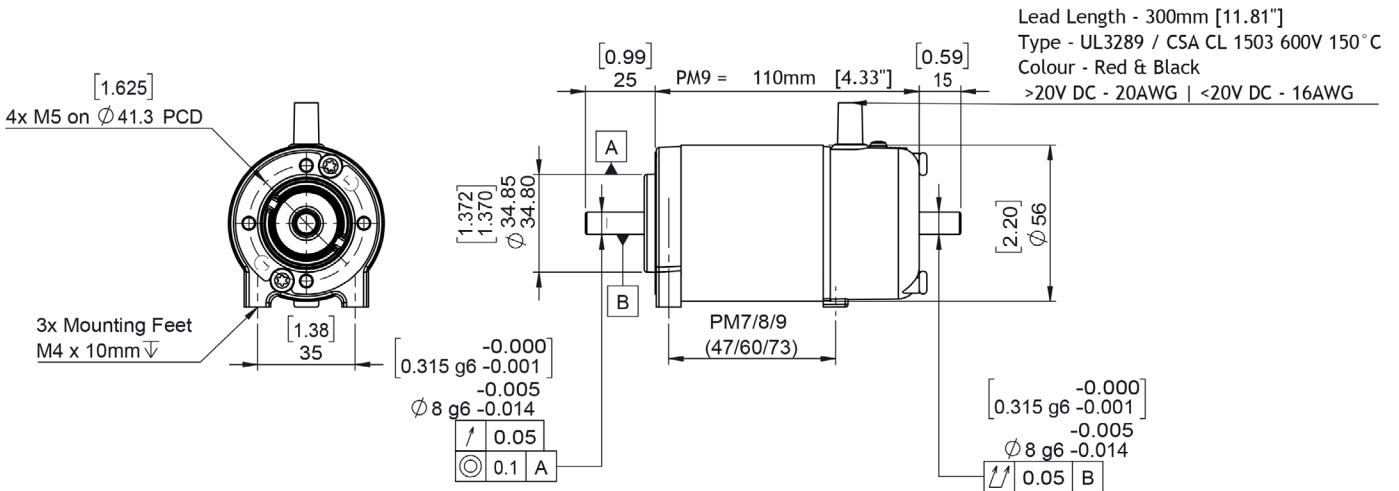


PM9 PMDC motor

Ø56 mm frame // 37 mm stack

PARVALUX



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		PM9-3K12	PM9-3K24	PM9-3K40	PM9-3K48	PM9-3K110	PM9-3K220
1 Part number							
2 Nominal power	W	38	38	38	38	38	38
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	3546	3674	3700	3738	3813	3645
5 No load current	A	0.50	0.20	0.12	0.10	0.10	0.05
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.12	0.12	0.12	0.12	0.12	0.12
8 Nominal continuous current (S1)	A	4.2	2.1	1.3	1.1	0.5	0.3
9 Max. intermittent torque (S3)	Nm	0.17	0.17	0.17	0.17	0.17	0.17
10 Stall current	A	18.30	10.30	6.20	5.30	2.44	1.12
11 Stall torque	Nm	0.60	0.63	0.63	0.64	0.63	0.60
12 Stack length	mm	37	37	37	37	37	37
13 Maximum efficiency	%	71	75	75	75	66	66
14 Terminal resistance - phase to phase	Ω	0.7	1.8	6.4	9.0	45.0	197.0
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	296	148	90	76	35	17
17 Torque constant	Nm/A	0.033	0.063	0.104	0.120	0.270	0.570
18 Speed torque gradient	rpm/Nm	6087	5827	5827	5825	6055	6055
19 Rotor inertia	gcm ²	596	596	596	596	596	596

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 0.7
24 IP rating	IP54
25 Enclosure	Enclosed
26 Insulation Class	F
27 Reversible	Yes

