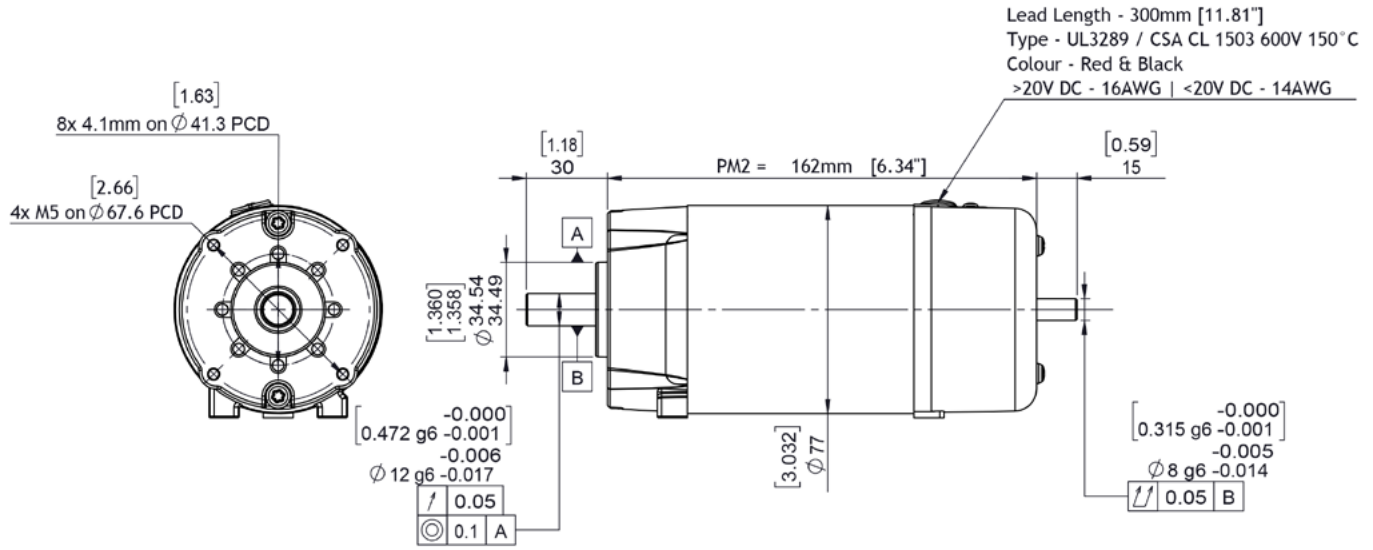


PM2 PMDC motor

Ø76 mm frame // 57 mm stack

PARVALUX



all dimensions in mm

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							
1 Part number		773842	773843	773844	773845	773846	773847
2 Nominal power	W	182	182	182	182	182	182
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4436	3850	3697	4117	3856	4011
5 No load current	A	1.90	1.28	0.55	0.70	0.18	0.11
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.58	0.58	0.58	0.58	0.58	0.58
8 Nominal continuous current (S1)	A	23.5	11.3	6.5	5.9	2.5	1.3
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.68	0.75	0.75	0.75	0.75	0.75
10 Stall current	A	63.4	44.3	33.4	20.0	10.4	5.2
11 Stall torque	Nm	1.7	2.5	3.2	2.1	2.6	2.6
12 Stack length	mm	57	57	57	57	57	57
13 Maximum efficiency	%	73	69	73	68	72	72
14 Terminal resistance - phase to phase	Ω	0.2	0.5	1.2	2.4	10.4	42.0
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	343	161	90	86	35	17
17 Torque constant	Nm/A	0.03	0.06	0.01	0.11	0.25	0.51
18 Speed torque gradient	rpm/Nm	2695	1539	1143	1916	1470	1528
19 Rotor inertia	gcm ²	2830	2830	2830	2830	2830	2830

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 2.5
24 IP rating	IP21
25 Enclosure	Ventilated
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
 Optical +L mm 9
 Magnetic 12

Controller
 SC 50/15
 ESCON
 EPOS

+L mm = added length