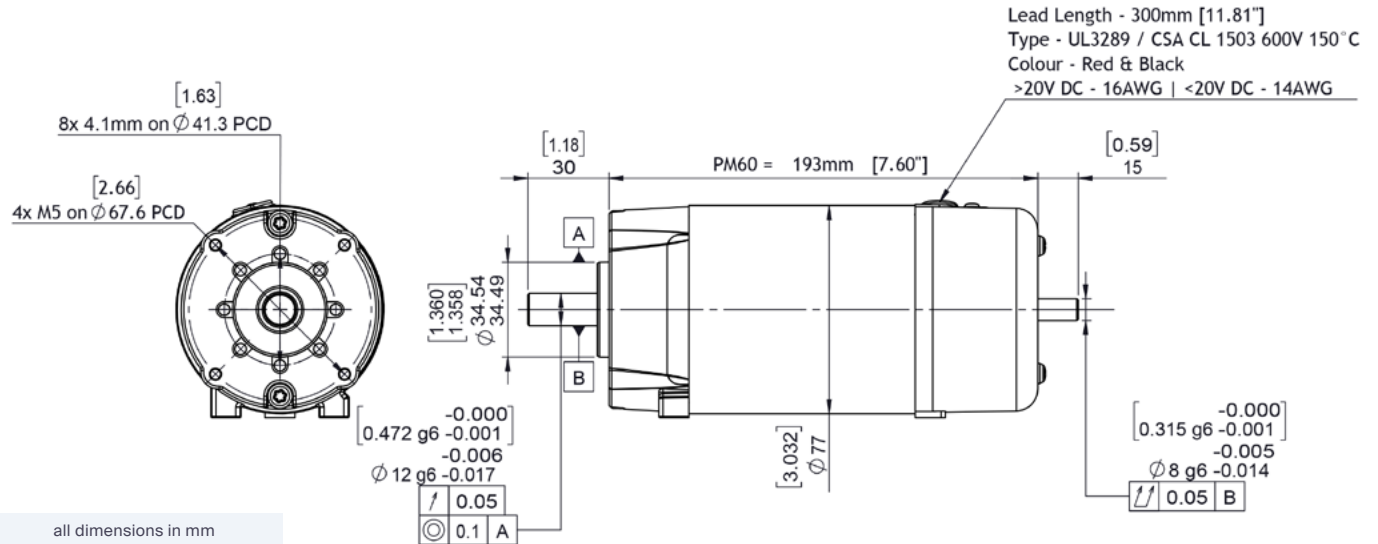


PM60 PMDC motor

Ø76 mm frame // 81 mm stack

parvalux
by **maxon**



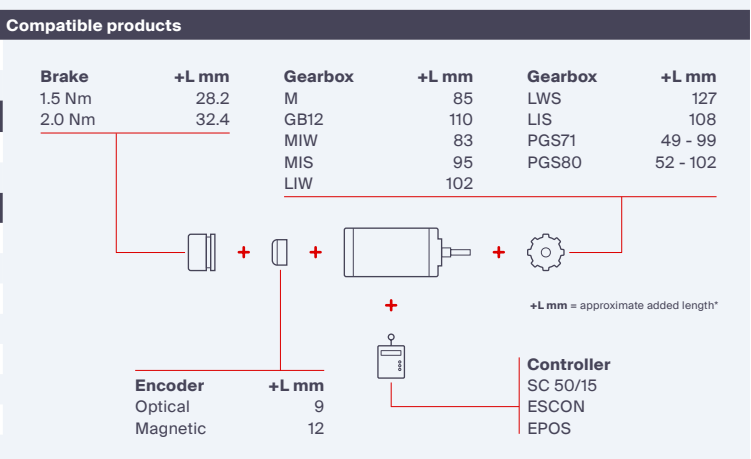
Part number key		
Modular	#####	Available on request: Custom shaft length and diameter, shaft on both sides, special windings for specific voltages and speed, higher IP protection class, custom flanges and connectors All products are built in accordance to performance tolerances from EN60034-1:2010. 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	#####	
Calculated data	#####	

Technical data							
1 Part number		775166	775167	775168	775169	775170	775171
2 Nominal power	W	273	273	273	273	273	273
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	3562	3638	3846	3564	4091	3983
5 No load current	A	2.50	1.20	0.59	0.77	0.35	0.13
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.87	0.87	0.87	0.87	0.87	0.87
8 Nominal continuous current (S1)	A	28.5	14.8	9.4	8.0	3.6	1.8
9 Max. intermittent torque (S2 - 15 minutes)	Nm	1.15	1.15	1.15	1.15	1.15	1.15
10 Stall current	A	112.0	76.0	54.0	55.0	17.4	8.7
11 Stall torque	Nm	3.7	4.8	5.3	6.4	4.5	4.7
12 Stack length	mm	81	81	81	81	81	81
13 Maximum efficiency	%	77	79	80	74	77	78
14 Terminal resistance - phase to phase	Ω	0.11	0.32	0.74	0.87	6.34	25.30
15 Terminal inductance - phase to phase	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	285	146	92	73	37	17
17 Torque constant	Nm/A	0.034	0.064	0.098	0.120	0.260	0.530
18 Speed torque gradient	rpm/Nm	974	760	732	552	906	874
19 Rotor inertia	gcm²	4600	4600	4600	4600	4600	4600

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 2.9
24 IP rating	IP21
25 Enclosure	Ventilated
26 Insulation Class	F
27 Reversible	Yes



*additional length may also be required for mounting flange between components