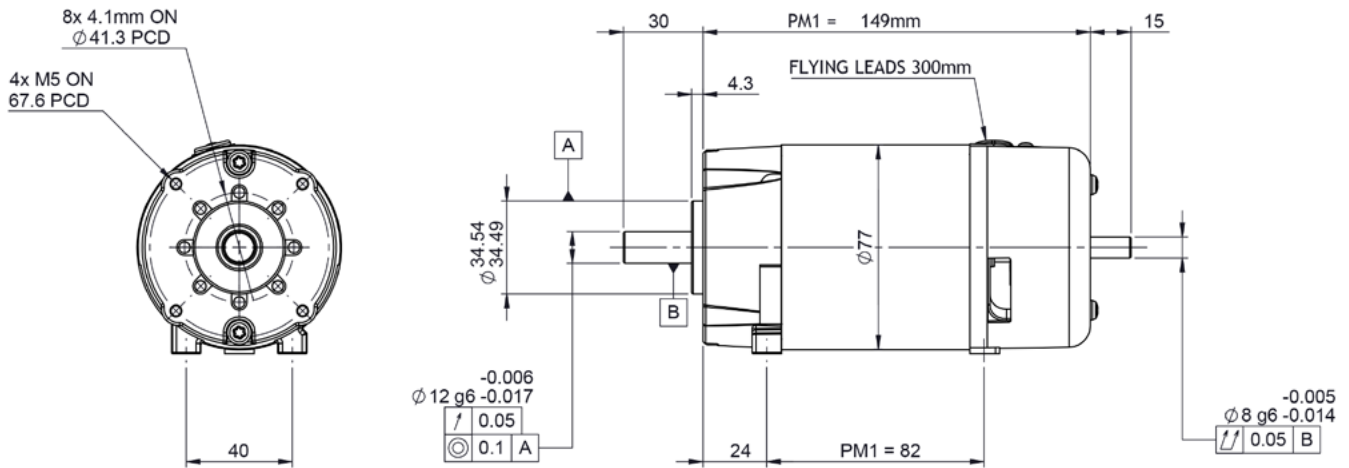


PM1 PMDC motor

Ø77 mm frame // 45 mm stack

parvalux
by **maxon**



all dimensions in mm

Part number key

Modular	#####
Standard	#####
Calculated data	#####

Please see our customisation options page for details on the modifications available on our products. Advice and guidance on these options are available from your local sales contact.

Technical data

1 Part number		773352	773353	773354	773355	773356	773357
2 Nominal power	W	157	157	157	157	157	157
3 Nominal voltage	V	12	24	40	48	110	220
4 No load speed	rpm	4364	4115	3676	3870	3874	4110
5 No load current	A	1.46	1.08	0.56	0.45	0.26	0.12
6 Nominal speed	rpm	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.5	0.5	0.5	0.5	0.5	0.5
8 Nominal continuous current (S1)	A	22.5	10.5	5.7	4.7	2.3	1.1
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.65	0.65	0.65	0.65	0.65	0.65
10 Stall current	A	72.0	40.3	30.0	24.0	9.4	4.2
11 Stall torque	Nm	1.9	2.1	2.9	2.8	2.3	2.1
12 Stack length	mm	45	45	45	45	45	45
13 Maximum efficiency	%	69	68	71	75	63	71
14 Terminal resistance	Ω	0.2	0.6	1.3	2.0	11.8	52.6
15 Terminal inductance	mH	-	-	-	-	-	-
16 Speed constant	rpm/V	351	175	89	77	35	18
17 Torque constant	Nm/A	0.024	0.053	0.099	0.120	0.250	0.510
18 Speed torque gradient	rpm/Nm	2601	1963	1283	1398	1715	1991
19 Rotor inertia	gcm²	1260	1260	1260	1260	1260	1260

Thermal data

20 Ambient temperature	°C	40
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Mechanical data

21 Radial load [distance from flange]	N [mm]	200 [15]
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Other data

22 Number of poles		2
23 Weight	Kg	2.1
24 IP rating		IP21
25 Enclosure		Ventilated
26 Insulation Class		F
27 Reversible		Yes

Compatible products

Gearbox	+L mm	Brake	+L mm	Encoder	+L mm
M Box	85.0	1.5 Nm	28.2	Incr. 5-pin	9.0
MIW	83.0	2.0 Nm	32.4	Incr. 10-pin	9.0
LWS	127.0	4.0 Nm	27.7	Diff. 10-pin	12.0
LIW	102.0	Power-on	26.4	Magnetic	12.0
LIS	108.0				
GB12	110.0	Controller		Key	
GB80	80.0	SC 50/15		Standard combination	
		ESCON		Modular combination	
		EPOS			

+L mm = approximate added length*

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