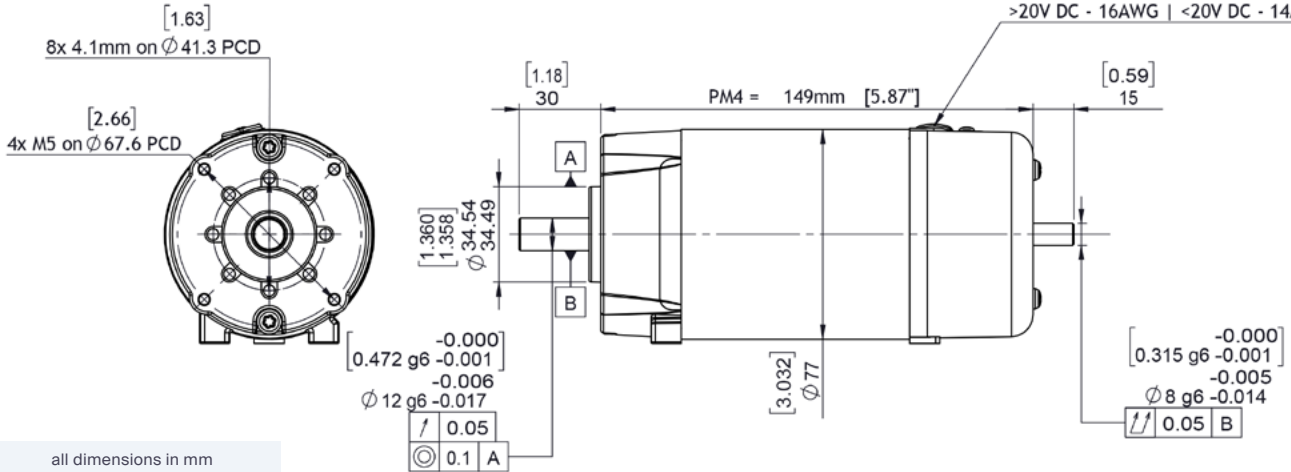


Lead Length - 300mm [11.81"]  
 Type - UL3289 / CSA CL 1503 600V 150°C  
 Colour - Red & Black  
 >20V DC - 16AWG | <20V DC - 14AWG



all dimensions in mm

**Part number key**

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

**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		774710	774711	774712	774713	774714	774715
2 Nominal power	<b>W</b>	141	141	141	141	141	141
3 Nominal voltage	<b>V</b>	12	24	40	48	110	220
4 No load speed	<b>rpm</b>	4436	3850	3697	4117	3856	4011
5 No load current	<b>A</b>	1.90	1.28	0.55	0.70	0.18	0.11
6 Nominal speed	<b>rpm</b>	3000	3000	3000	3000	3000	3000
7 Nominal continuous torque (S1)	<b>Nm</b>	0.45	0.45	0.45	0.45	0.45	0.45
8 Nominal continuous current (S1)	<b>A</b>	18.6	9.1	5.1	4.7	2.0	1.0
9 Max. intermittent torque (S2 - 15 minutes)	<b>Nm</b>	0.58	0.58	0.58	0.58	0.58	0.58
10 Stall current	<b>A</b>	63.4	44.3	33.4	20.0	10.4	5.2
11 Stall torque	<b>Nm</b>	1.7	2.5	3.2	2.1	2.6	2.6
12 Stack length	<b>mm</b>	57	57	57	57	57	57
13 Maximum efficiency	<b>%</b>	73	69	73	68	72	72
14 Terminal resistance - phase to phase	<b>Ω</b>	0.2	0.5	1.2	2.4	10.4	42.0
15 Terminal inductance - phase to phase	<b>mH</b>	-	-	-	-	-	-
16 Speed constant	<b>rpm/V</b>	343	161	90	86	35	17
17 Torque constant	<b>Nm/A</b>	0.027	0.058	0.098	0.110	0.250	0.510
18 Speed torque gradient	<b>rpm/Nm</b>	2695	1539	1143	1916	1470	1528
19 Rotor inertia	<b>gcm<sup>2</sup></b>	2830	2830	2830	2830	2830	2830

**Thermal data**

20 Ambient temperature	<b>°C</b>	40
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**Mechanical data**

21 Radial load [distance from flange]	<b>N [mm]</b>	200 [15]
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**Other data**

22 Number of poles		2
23 Weight	<b>Kg</b>	2.5
24 IP rating		IP54
25 Enclosure		Enclosed
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	PGS71	49 - 99
		MIS	95	PGS80	52 - 102
		LIW	102		

Encoder	+L mm	Controller
Optical	9	SC 50/15
Magnetic	12	ESCON
		EPOS

\*+L mm = approximate added length\*

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