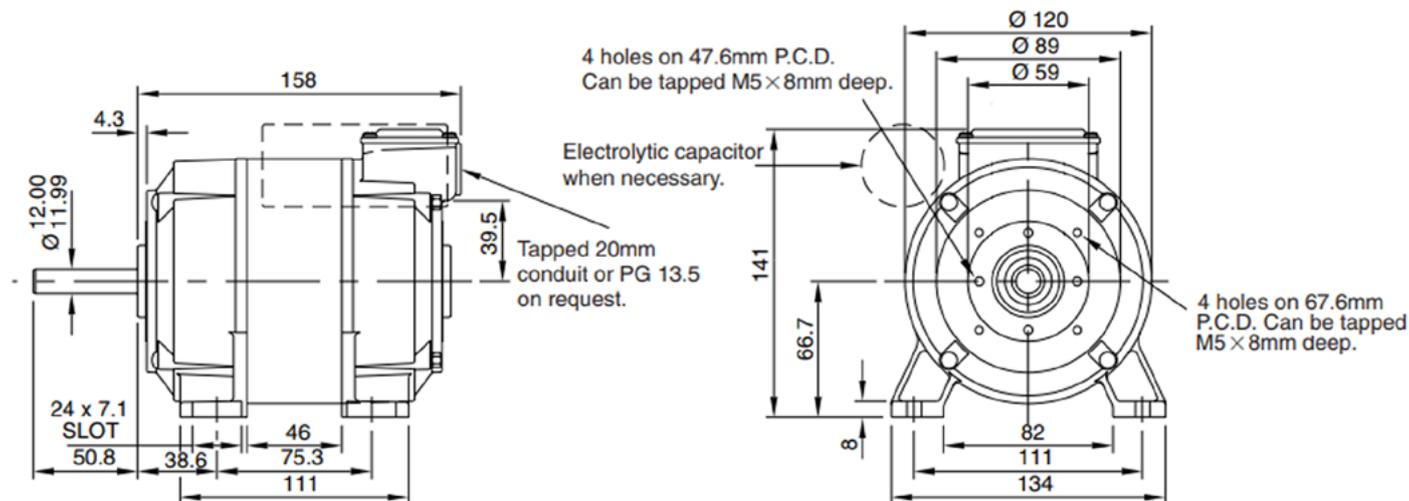


SD18 AC motor

Ø120 mm frame // 46 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.

Note: Brakes are not available on TEFC (Totally Enclosed Fan Cooled) motors.

Technical data

1 Part number		-	-	-	-	-	-	-	-
2 Phases		1	1	1	1	3	3	3	3
3 Frequency	Hz	50	50	60	60	50	50	60	60
4 Nominal voltage	V AC	230	230	115	115	400	400	230	230
5 Nominal power	W	100	150	100	150	125	190	125	190
6 Nominal speed	rpm	1400	2800	1700	3400	1400	2800	1700	3400
7 Nominal continuous torque (S1)	Nm	0.68	0.51	0.56	0.42	0.85	0.65	0.70	0.53
8 Nominal continuous current (S1)	A	0.76	1.20	-	-	0.44	0.46	-	-
9 Starting Current	A	1.9	3.0	0	0	1.1	1.2	0	0
10 Input Watts	W	180	290	180	290	210	273	210	273
11 Capacitor Value	M.F.D	6.0	8.4	6.0	8.4	-	-	-	-
12 Starting Torque Full Load	%	75	80	75	80	200	200	200	200
13 Stack length	mm	46	46	46	46	46	46	46	46
14 Number of poles		4	2	4	2	4	2	4	2
15 Rotor inertia	Kg/cm ²	-	-	-	-	-	-	-	-

Thermal data

16 Ambient temperature	°C	40
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Mechanical data

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

18 Weight	Kg	5.4
19 Enclosure	VENT/TEFC	
20 IP Rating - Ventilated	IP20	
21 IP Rating - TE/TEFC	IP54	
22 Insulation Class	F	
23 Type	Permanent capacitor, asynchronous	
24 Direction	Reversible	

Compatible products

Gearbox	+L mm	Brake	+L mm
M Box	85.0	0.4 Nm	35.0
MWS	110.0		
MIW	83.0		
L Box	108.0		
LWS	127.0		
LIW	102.0		
LIS	108.0		
GB9	138.0		
GB12	110.0		
GB65	150.0		

+L mm = approximate added length*

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