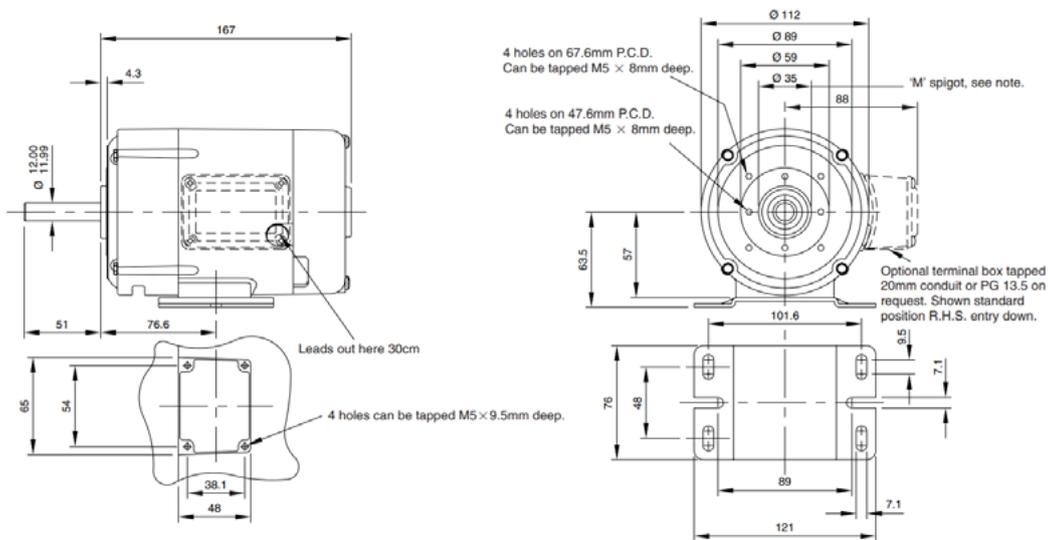


# SD12 series AC/DC motor

80 x 64 mm frame

**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 Minimum voltage available	<b>V</b>	12	24	24	24	24	24
3 Nominal power	<b>W</b>	50	75	95	125	150	190
4 Nominal speed	<b>rpm</b>	2000	2500	3000	4000	4000	6000
5 Nominal continuous torque (S1)	<b>Nm</b>	0.24	0.29	0.30	0.30	0.36	0.30
6 Input current 240 V AC	<b>A</b>	1.20	1.30	1.10	1.20	1.80	1.50
7 Input current 220 V AC	<b>A</b>	1.30	1.40	1.20	1.30	1.80	1.60
8 Approximate starting current	<b>A</b>	3 x full load					
9 Input power	<b>W</b>	160	200	200	240	350	340

## Thermal data

16 Ambient temperature	<b>°C</b>	40
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## Mechanical data

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

18 Weight	<b>Kg</b>	3.57
19 Enclosure		VENT/TEFC
20 IP Rating - Ventilated		IP23
21 IP Rating - TEFC [with terminal box]		IP50 [IP54]
22 Insulation Class		F
23 Type		Series wound
24 Direction		Reversible

## Compatible products

Gearbox	+L mm	Brake	+L mm
M Box	85	0.4 Nm	35
MWS	110		
MIW	83		
L Box	108		
LWS	127		
LIW	102		
LIS	108		

+L mm = approximate added length\*

## Compatible products key

Product name	Standard combination
Product name	Modular combination

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