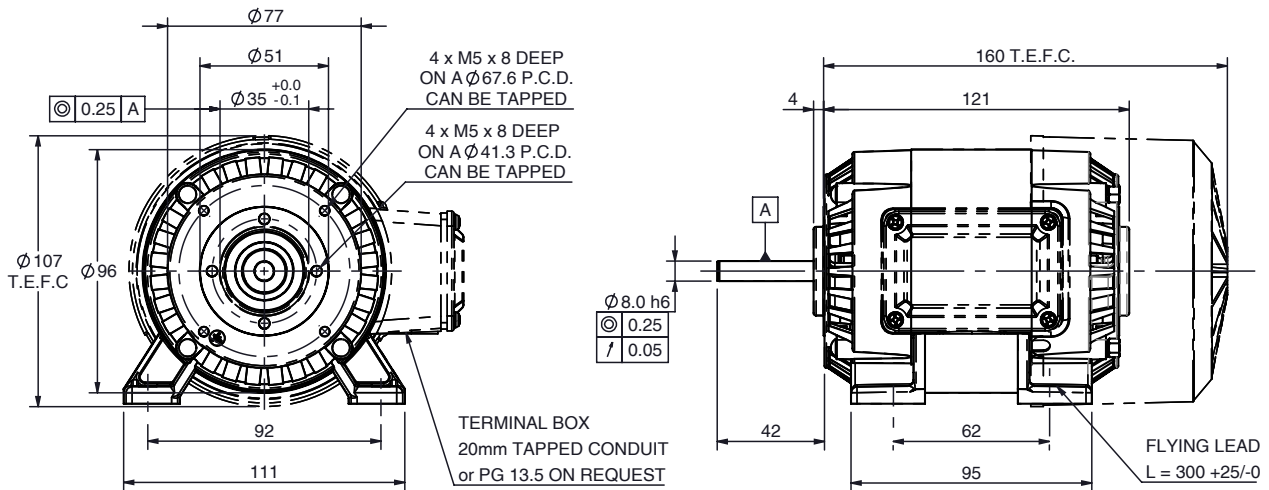


SD8 (4-POLE) AC motor

Ø96 mm frame // 37 mm stack

all dimensions in mm

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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 engineer.

Note: Terminal box and feet optional on this motor - please contact your local sales engineer for more information. Totally enclosed fan cooled (TEFC) option also available

Technical data

1 Part number		-	-	-	-
2 Phases		1	1	3	3
3 Frequency	Hz	50	60	50	60
4 Nominal voltage	V AC	230/115	230/115	400/230	400/230
5 Nominal power	W	35	35	35	35
6 Nominal speed	rpm	1400	1700	1400	1700
7 Nominal continuous torque (S1)	Nm	0.24	0.20	0.24	0.20
8 Nominal continuous current (S1)	A	0.3	-	0.24	-
9 Starting Current	A	0.75	0	0.60	0
10 Input power	W	75	75	80	80
11 Capacitor Value	M.F.D	2.5	2.5/10.0	-	-
12 Starting torque full load	%	85	85	200	200
13 Stack length	mm	37	37	37	37
14 Number of poles		4	4	4	4
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]	150 [15]
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Other data

18 Weight	Kg	2.8
19 Enclosure		VENT/TE
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	Page #	Brake	Page #
S Box	216	1.5 Nm	258
GB28	218	2.0 Nm	259
GB58	219		
M Box	222		
MWS	230		
GB36	231		
LIW	242		
PGx52	249		
LIS	244		
LWS	236		

Encoder	Page #
On request	-

Key

Standard combination

Modular combination

SD8 (4-POLE) combinations

Quickview - combination drawing and technical data

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Combination drawing		Technical data							
SD8-S-Box		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	4	30	70	4	30	70
		Speed	rpm	425.0	56.7	24.3	425.0	56.7	24.3
		Nominal torque	Nm	0.6	3.0	2.0	0.6	3.4	3.0
SD8-GB28		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	-	-	-	15	30	60
		Speed	rpm	-	-	-	113.3	56.7	28.3
		Nominal torque	Nm	-	-	-	2.3	3.9	5.0
SD8-GB58		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	4	15	25	-	-	-
		Speed	rpm	425.0	113.3	68.0	-	-	-
		Nominal torque	Nm	0.7	2.3	3.4	-	-	-
SD8-M-Box		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	4	30	72	4	30	72
		Speed	rpm	425.0	56.7	23.6	425.0	56.7	23.6
		Nominal torque	Nm	0.7	4.2	5.0	0.6	3.7	5.8
SD8-MWS		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	24	120	1400	-	-	-
		Speed	rpm	70.8	14.2	1.2	-	-	-
		Nominal torque	Nm	3.6	17.8	45.0	-	-	-
SD8-GB36		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	24	120	1400	-	-	-
		Speed	rpm	70.8	14.2	1.2	-	-	-
		Nominal torque	Nm	3.6	17.8	45.0	-	-	-
SD8-L1W		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	36	400	1200	36	400	1200
		Speed	rpm	47.2	4.3	1.4	47.2	4.3	1.4
		Nominal torque	Nm	5.3	28.0	28.0	5.3	45.0	45.0
SD8-PGX62		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio [stages] ²	:1	-	-	-	3.9 [1]	44 [2]	172 [3]
		Speed	rpm	-	-	-	435.9	38.6	9.9
		Nominal torque	Nm	-	-	-	0.7	8.1	30.0
SD8-L1S		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	6	50	115	-	-	-
		Speed	rpm	283.3	34.0	14.8	-	-	-
		Nominal torque	Nm	0.9	7.7	17.7	-	-	-
SD8-L1WS		Gear material ¹	Comp.	Comp.	Comp.	Bronze	Bronze	Bronze	
		Gear ratio ²	:1	48	672	3450	-	-	-
		Speed	rpm	35.4	2.5	0.5	-	-	-
		Nominal torque	Nm	6.5	87.4	100.0	-	-	-

Key

Standard combination / standard gear ratio

Modular combination / modular gear ratio

Notes

¹ Comp. = Composite gears

² Full gear ratio options displayed on individual gearbox datasheets

→ Technical data displayed above calculated based on **SD8 (4-POLE) 3 Phase 60Hz** motor.

→ Simplified drawings displayed above show overall envelope size of the combination. Please see individual motor and gearbox datasheets for detailed technical drawings.