

DATA SHEET**Single Phase Induction Motor - Squirrel Cage**

Customer :

Product line : Special Motor
Product code : 15881748

Frame	: 182/4JM	Locked rotor time	: 10 s (hot) 18 s (cold)
Output	: 1 HP (0.75 kW)	Duty cycle	: S1
Poles	: 6	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 208-230 V	Protection degree	: IP55
Rated current	: 6.75-7.49 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 63.7 A	Mounting	: B34R(D)
LRC	: 8.5 Code R	Rotation ¹	: Both
No load current	: 6.75 A	Noise level ²	: 60 dB(A)
Rated speed	: 1185 rpm	Starting method	: Direct On Line
Slip	: 1.25 %	Approx. weight ³	: 45.0 kg
Rated torque	: 0.612 kgfm		
Locked rotor torque	: 320 %		
Pull up torque	: 270 %		
Breakdown torque	: 380 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0238 kgm ²		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	50.5	59.5	66.0	Load torque	: -
Power Factor	0.00	0.51	0.59	0.66	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads
Lubrication interval	6307-ZZ	6206-ZZ	Max. traction
Lubricant amount	-	-	Max. compression
Lubricant type	-	-	
	POLYUREA BASED GREASE		

Notes:

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
0.00	0.00	0.00	0.00	0.00	0.00	0.00

Standards	Specification	: MG1 - Part 10	Vibration	:
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

This revision replaces and cancel the previous one, which must be eliminated..

(1) Looking the motor from the shaft end.

(2) Measured at 1m and with tolerance of +0dB(A).

(3) Approximate weight, subject to be changed after manufacturing process.

(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary		Performed	Checked	Date
					14/04/2021
Performed by	crislaine			49416/2021	
Checked by	yasmim			Page	Revision
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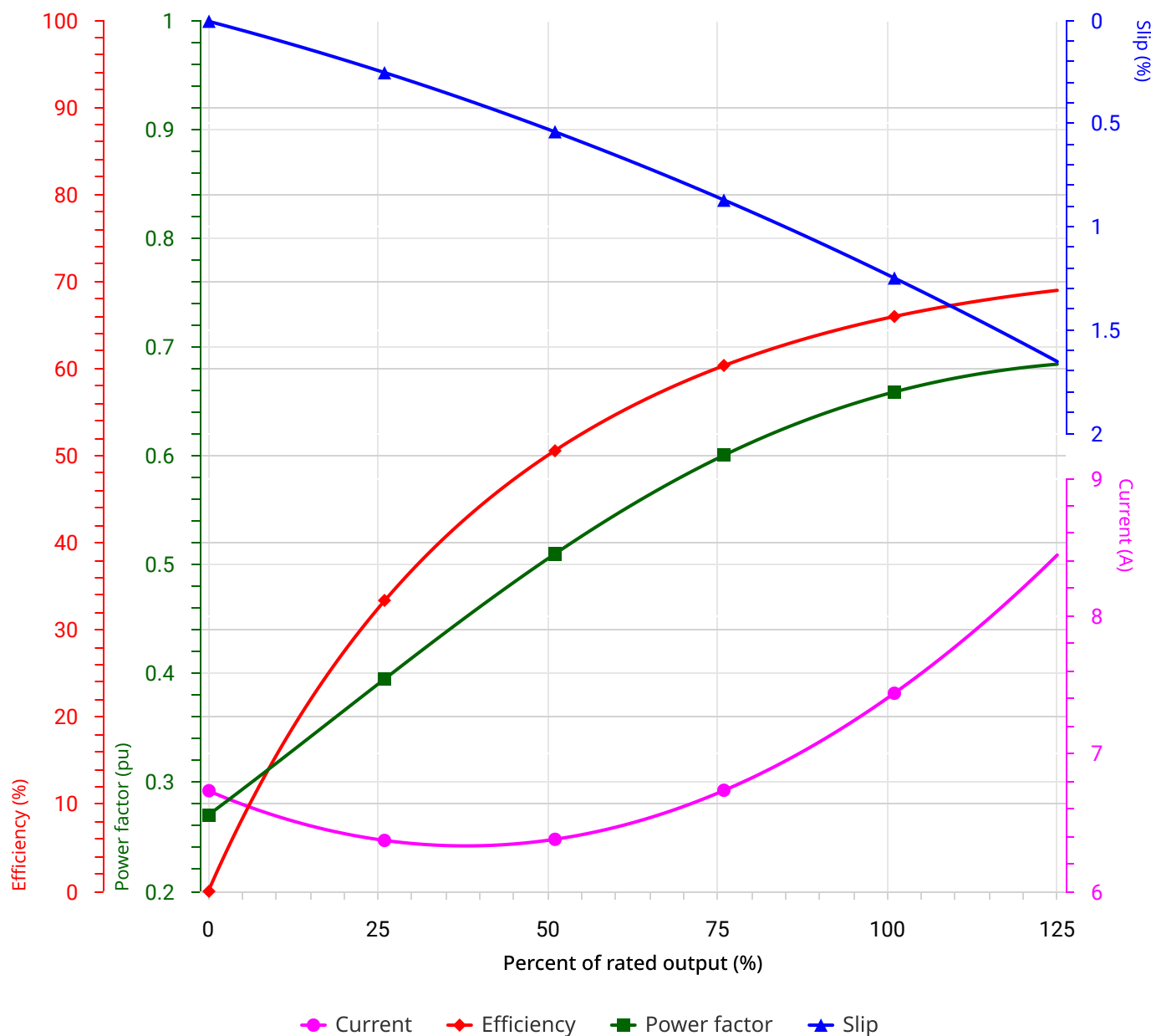
LOAD PERFORMANCE CURVE



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Special Motor
Product code : 15881748



Performance : 1 HP (0.75 kW) 208/230V 60Hz 6P 182/4JM

Rated current : 6.75/7.49 A	Moment of inertia (J) : 0.0238 kgm ²
LRC : 8.5 Code R	Duty cycle : Cont.(S1)
Rated torque : 0.612 kgfm	Insulation class : F
Locked rotor torque : 320 %	Service factor : 1.15
Breakdown torque : 380 %	Temperature rise : 80 K
Rated speed : 1185 rpm	

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