DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Special Motor
Product code	: 15881748

Frame	: 182/4JM
Output	: 1 HP (0.75 kW)
Poles	: 6
Frequency	: 60 Hz
Rated voltage	: 230-208 V
Rated current	: 7.49-6.75 A
L. R. Amperes	: 63.7-57.4 A
LRC	: 8.5 Code R
No load current	: 6.75-4.95 A
Rated speed	: 1185 rpm
Slip	: 1.25 %
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 kgm²

Locked rotor time	: 10 s (hot) 18 s (cold)
Duty cycle	: S1
Ambient temperature	: -20 °C to +40 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: B34R(D)
Rotation[1]	: Both
Noise level[2]	: 60 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 45.0 kg

Output	Start	50%	75%	100%
Efficiency (%)	-	50.5	59.5	66.0
Power Factor	0.00	0.51	0.59	0.66

Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type	6307-ZZ	6206-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

Foundation loads	
Max. traction	: -
Max. compression	: -

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

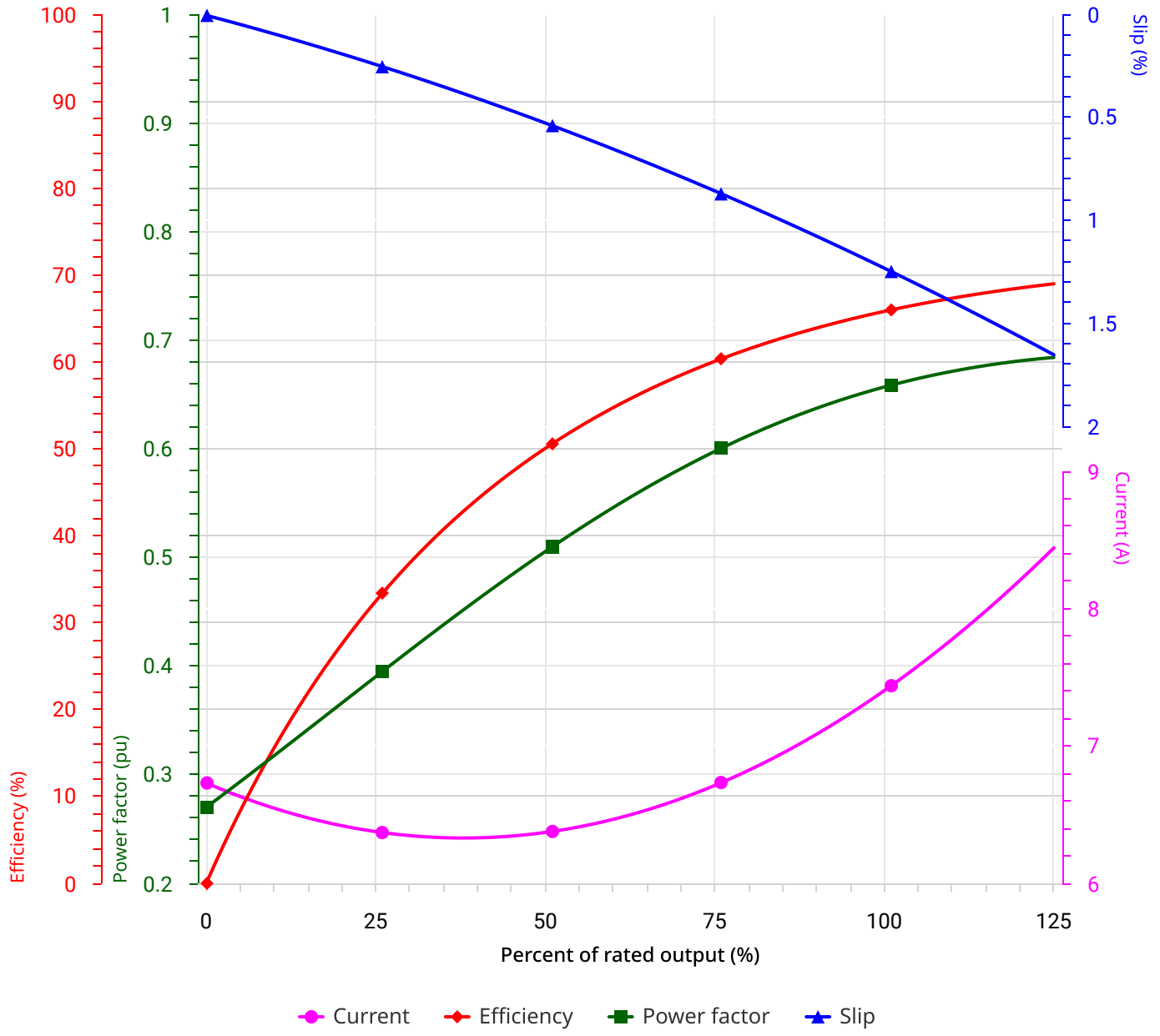
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 15881748



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

Rated current	: 7.49/6.75 A	Moment of inertia (J)	: 0.0238 kgm²
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		

Rev.	Changes Summary	Performed	Checked	Date
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Performed by	crislaine		49416/2021	
Checked by	yasmim		Page	Revision
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