

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase Product code : 10483472

Frame	: F56H	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.75 HP (0.55 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 10.0/4.80-5.00 A	Protection degree	: IP55
L. R. Amperes	: 54.0/25.9-27.0 A	Cooling method	: IC411 - TEFC
LRC	: 5.4x(Code K)	Mounting	: F-1
No load current	: 7.40/3.19-3.70 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1170 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 0.465 kgfm	Approx. weight ³	: 20.1 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 260 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0075 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	59.0	67.0	71.0	Max. traction	: 29 kgf
Power Factor	0.49	0.59	0.68	Max. compression	: 49 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6203 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes

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 +3dB(A).
- (3) Approximate weight subject to changes 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.

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LOAD PERFORMANCE CURVE

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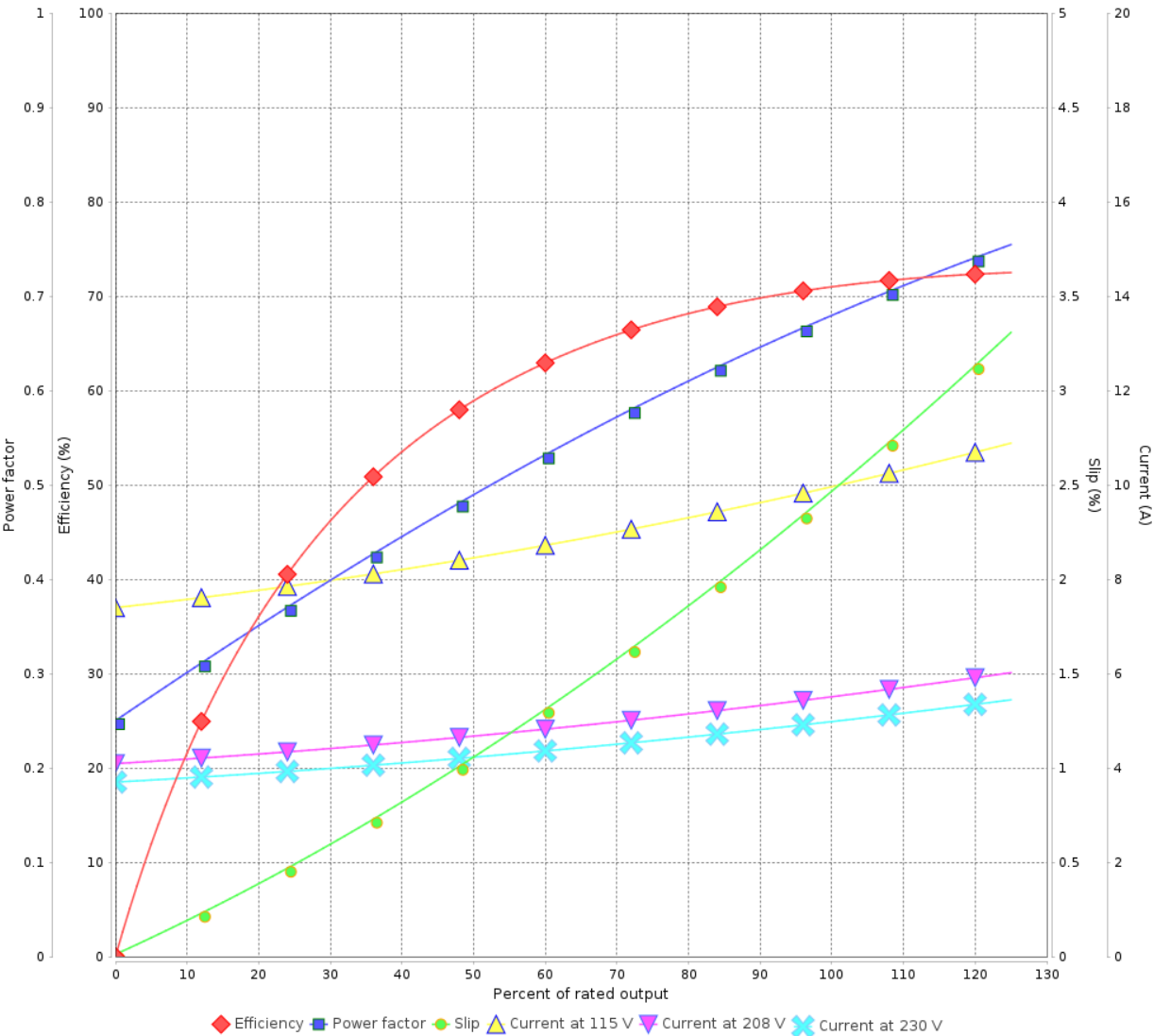


Customer :

Product line : General Single-Phase

Product code : 10483472

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 6P

Rated current : 10.0/4.80-5.00 A
LRC : 5.4
Rated torque : 0.465 kgfm
Locked rotor torque : 229 %
Breakdown torque : 260 %
Rated speed : 1170 rpm

Moment of inertia (J) : 0.0075 kgm²
Duty cycle : Cont.(S1)
Insulation class : B
Service factor :
Temperature rise : 80 K

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