DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 11289736

Frame	: F143/5T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 17.1/8.80-8.55 A	Protection degree	: IP55
L. R. Amperes	: 116/59.8-58.1 A	Cooling method	: IC411 - TEFC
LRC	: 6.8x(Code K)	Mounting	: F-1
No load current	: 10.8/0.000-5.40 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 3480 rpm	Noise level²	: 55.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 0.313 kgfm	Approx. weight³	: 15.8 kg
Locked rotor torque	: 250 %		
Breakdown torque	: 250 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0025 kgm²		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	62.0	69.0	70.0
Power Factor	0.00	0.61	0.72	0.80

Foundation loads

Max. traction	: 14 kgf
Max. compression	: 30 kgf

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
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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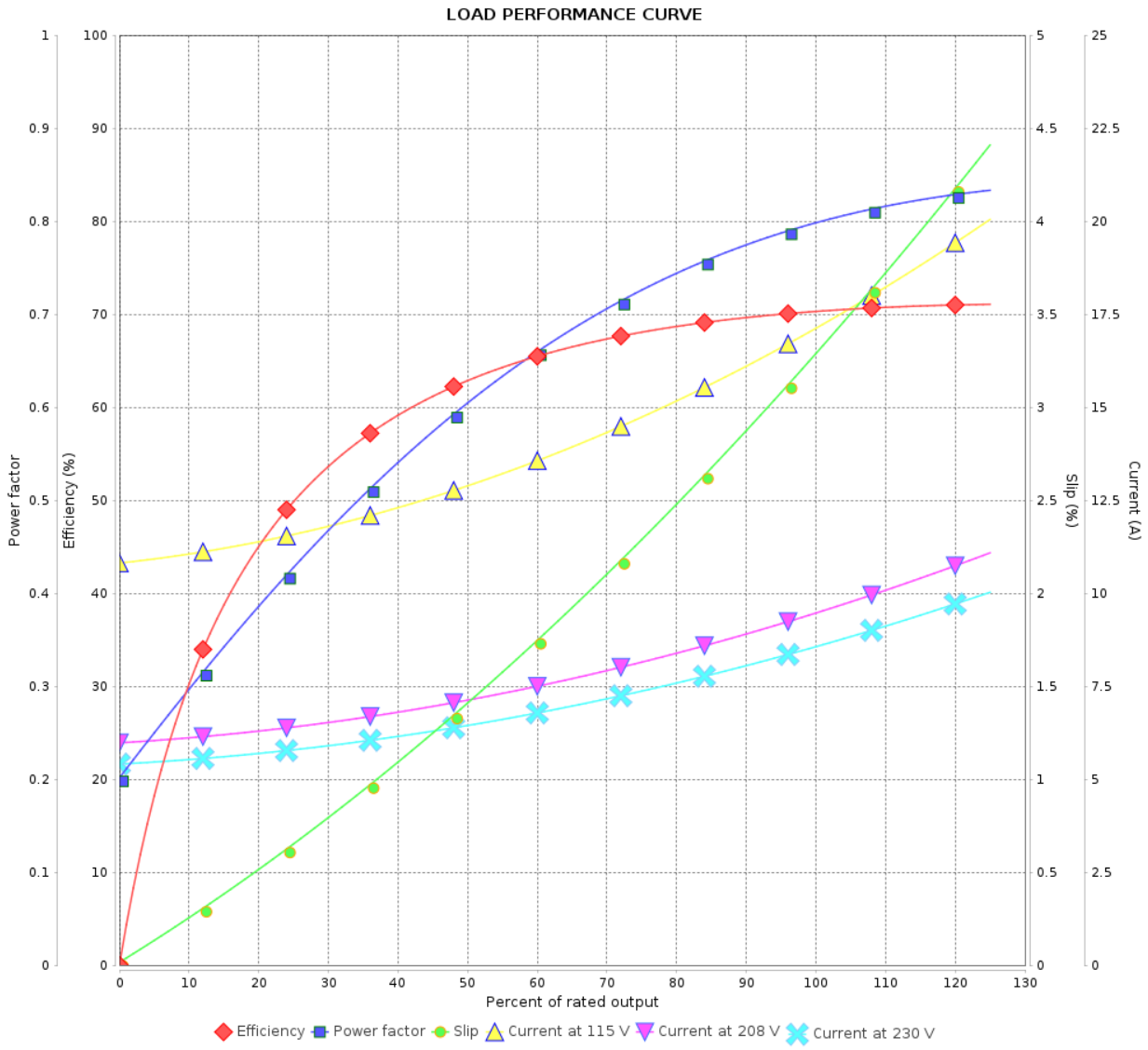

Performance	: 115/208-230 V 60 Hz 2P

Rated current	: 17.1/8.80-8.55 A	Moment of inertia (J)	: 0.0025 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.313 kgfm	Insulation class	: B
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3480 rpm		

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