DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 12322731

Frame	: F143/5TC	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 14.0/6.80-7.00 A	Protection degree	: IP55
L. R. Amperes	: 91.0/44.2-45.5 A	Cooling method	: IC411 - TEFC
LRC	: 6.5x(Code M)	Mounting	: F-1
No load current	: 11.5/4.96-5.75 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level[2]	: 55.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.415 kgfm	Approx. weight[3]	: 18.1 kg
Locked rotor torque	: 320 %		
Breakdown torque	: 270 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0056 kgm²		

Output	50%	75%	100%
Efficiency (%)	60.0	67.0	70.3
Power Factor	0.45	0.56	0.65

Foundation loads

Max. traction	: 23 kgf
Max. compression	: 41 kgf

		Drive end	Non drive end
Bearing type	:	6205 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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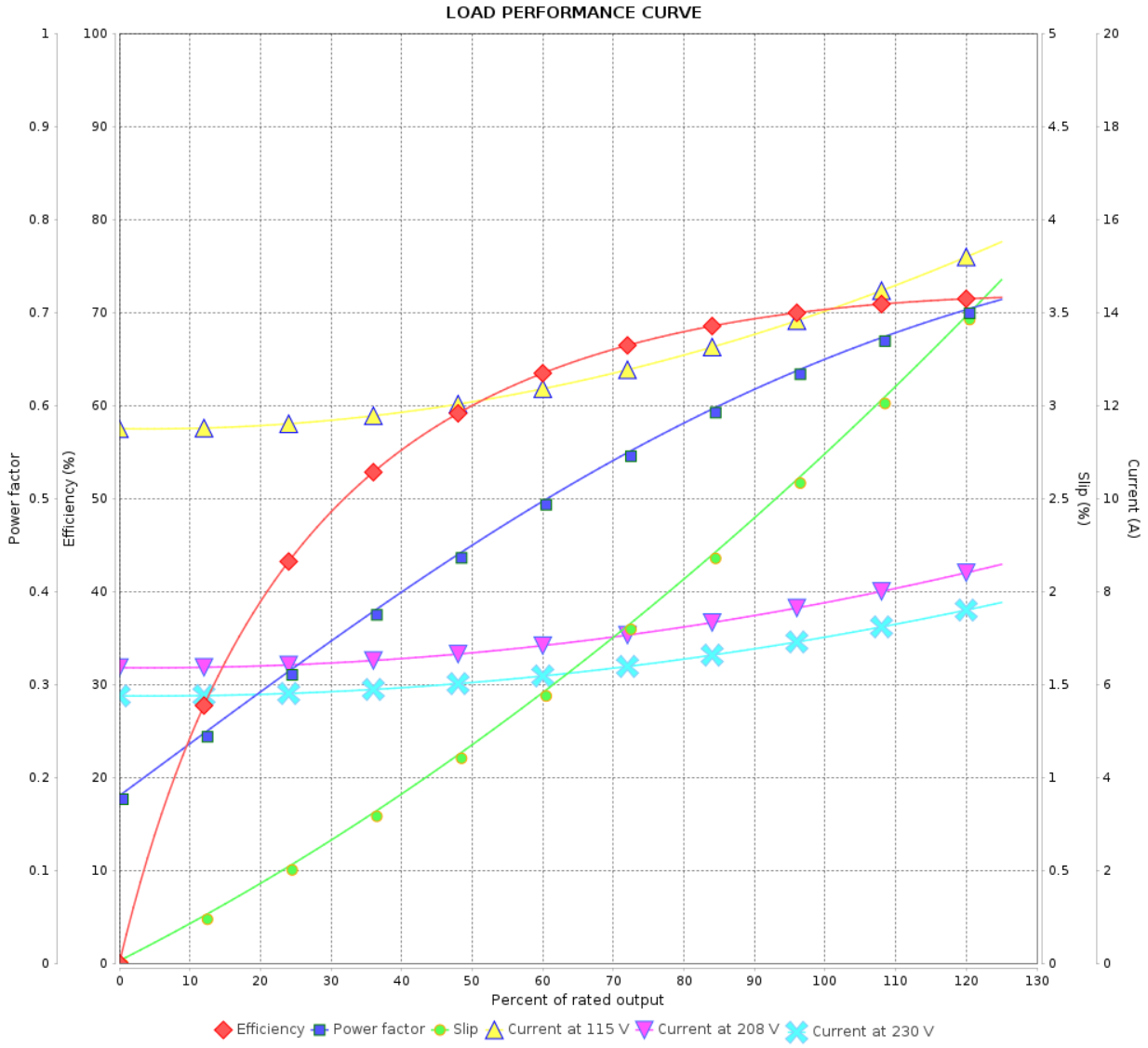
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase Product code : 12322731



Performance	: 115/208-230 V 60 Hz 4P		
Rated current	: 14.0/6.80-7.00 A	Moment of inertia (J)	: 0.0056 kgm²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.415 kgfm	Insulation class	: B
Locked rotor torque	: 320 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm		

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