DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Single-Phase	Product code :	18784889

Frame	: 213/5TC	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 44.5-40.9 A	Protection degree	: IP55
L. R. Amperes	: 298-274 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code H)	Mounting	: F-1
No load current	: 8.97-10.4 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1740 rpm	Noise level²	: 63.0 dB(A)
Slip	: 3.33 %	Vibration	: Not Applicable
Rated torque	: 4 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Approx. weight³	: 82.0 kg
Breakdown torque	: 240 %	Painting plan	: 207A (ISO 12944 - C3)
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.15		
Moment of inertia (J)	: 0.0486 kgm²		

Output	50%	75%	100%
Efficiency (%)	77.9	82.5	84.0
Power Factor	0.92	0.94	0.95

Foundation loads

Max. traction	: 141 kgf
Max. compression	: 229 kgf

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

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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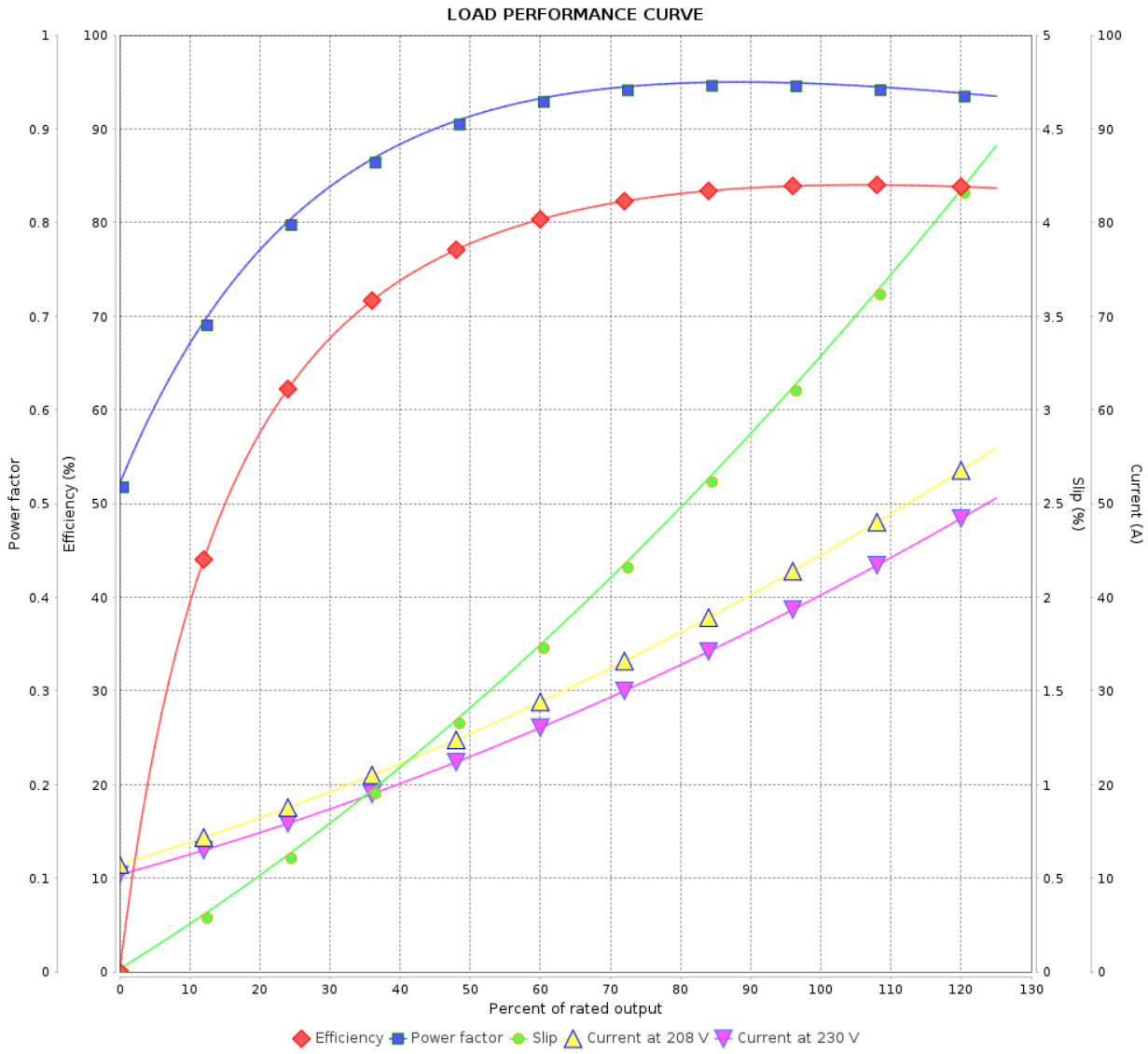
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Single-Phase Product code : 18784889



Performance	: 208-230 V 60 Hz 4P		
Rated current	: 44.5-40.9 A	Moment of inertia (J)	: 0.0486 kgm²
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 4 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	:
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm		

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