DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 JP Pump Single-Phase Product code : 15150681

Frame	: 213/5JP	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 38.8/19.4 A	Protection degree	: IP55
L. R. Amperes	: 272/136 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code G)	Mounting	: F-1
No load current	: 6.90/3.45 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 3515 rpm	Noise level²	: 72.0 dB(A)
Slip	: 2.36 %	Vibration	: Not Applicable
Rated torque	: 2 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 229 %	Approx. weight³	: 75.0 kg
Breakdown torque	: 290 %		: 207A (ISO 12944 - C3)
Insulation class	: F		: RAL 7022
Service factor	: 1.15		
Moment of inertia (J)	: 0.0223 kgm²		

Output	50%	75%	100%
Efficiency (%)	82.0	85.5	86.5
Power Factor	0.96	0.97	0.97

Foundation loads

Max. traction	: 71 kgf
Max. compression	: 150 kgf

		Drive end	Non drive end
Bearing type	:	6309 ZZ C3	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.

Rev.	Changes Summary	Performed	Checked	Date

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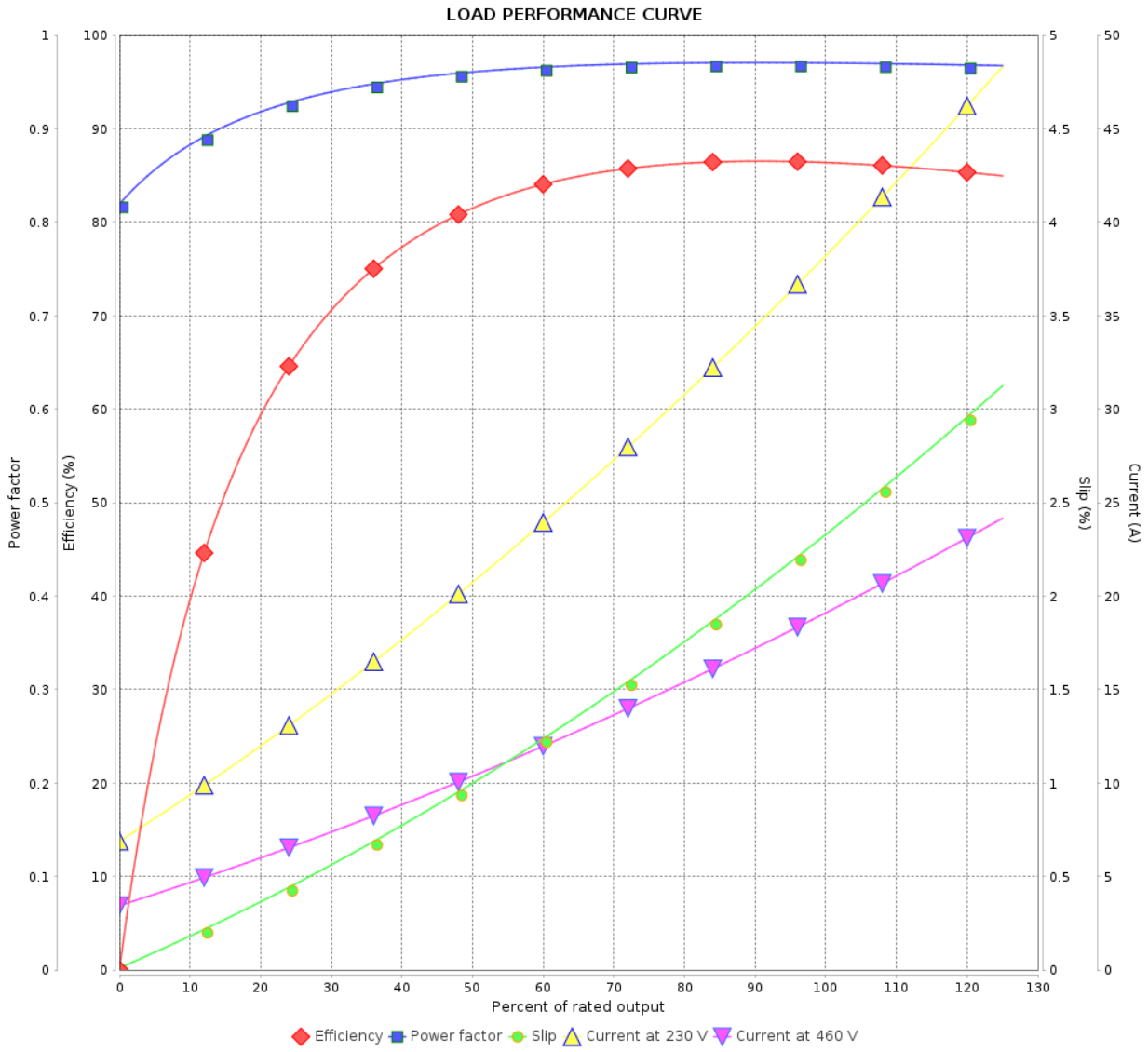
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 JP Pump Single-Phase Product code : 15150681



Performance	: 230/460 V 60 Hz 2P

Rated current	: 38.8/19.4 A	Moment of inertia (J)	: 0.0223 kgm²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 2 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3515 rpm		

Rev.	Changes Summary	Performed	Checked	Date

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