

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase Product code : 13374122

Frame	: 182/4JM	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 29.9 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0118 kgm ²
Design	: B		

Output [HP]	1.5	1.5	1.5
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	230/460	190-220/380	415
Rated current [A]	4.44/2.22	5.18-4.47/2.59	2.49
L. R. Amperes [A]	30.6/15.3	29.5-25.5/14.8	16.4
LRC [A]	6.9x(Code K)	5.7x(Code H)	6.6x(Code J)
No load current [A]	2.73/1.36	2.69-2.32/1.34	1.54
Rated speed [RPM]	1170	955	965
Slip [%]	2.50	4.50	3.50
Rated torque [kgfm]	0	1	1
Locked rotor torque [%]	240	190	250
Breakdown torque [%]	340	260	330
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	99s (cold) 55s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	52.0 dB(A)	50.0 dB(A)	50.0 dB(A)
Efficiency (%)	25%		
	50%	84.0	82.9
	75%	86.5	85.3
	100%	87.5	85.5
Power Factor	25%		
	50%	0.50	0.51
	75%	0.63	0.63
	100%	0.71	0.72

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	: 6207 ZZ	6205 ZZ	Max. traction	: 61 kgf
Sealing	: V'Ring	Without Bearing Seal	Max. compression	: 95 kgf
Lubrication interval	: -	-		
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			

Notes

USABLE @208V 4.91A SF 1.00 SFA 4.91A

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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Date	23/09/2026			

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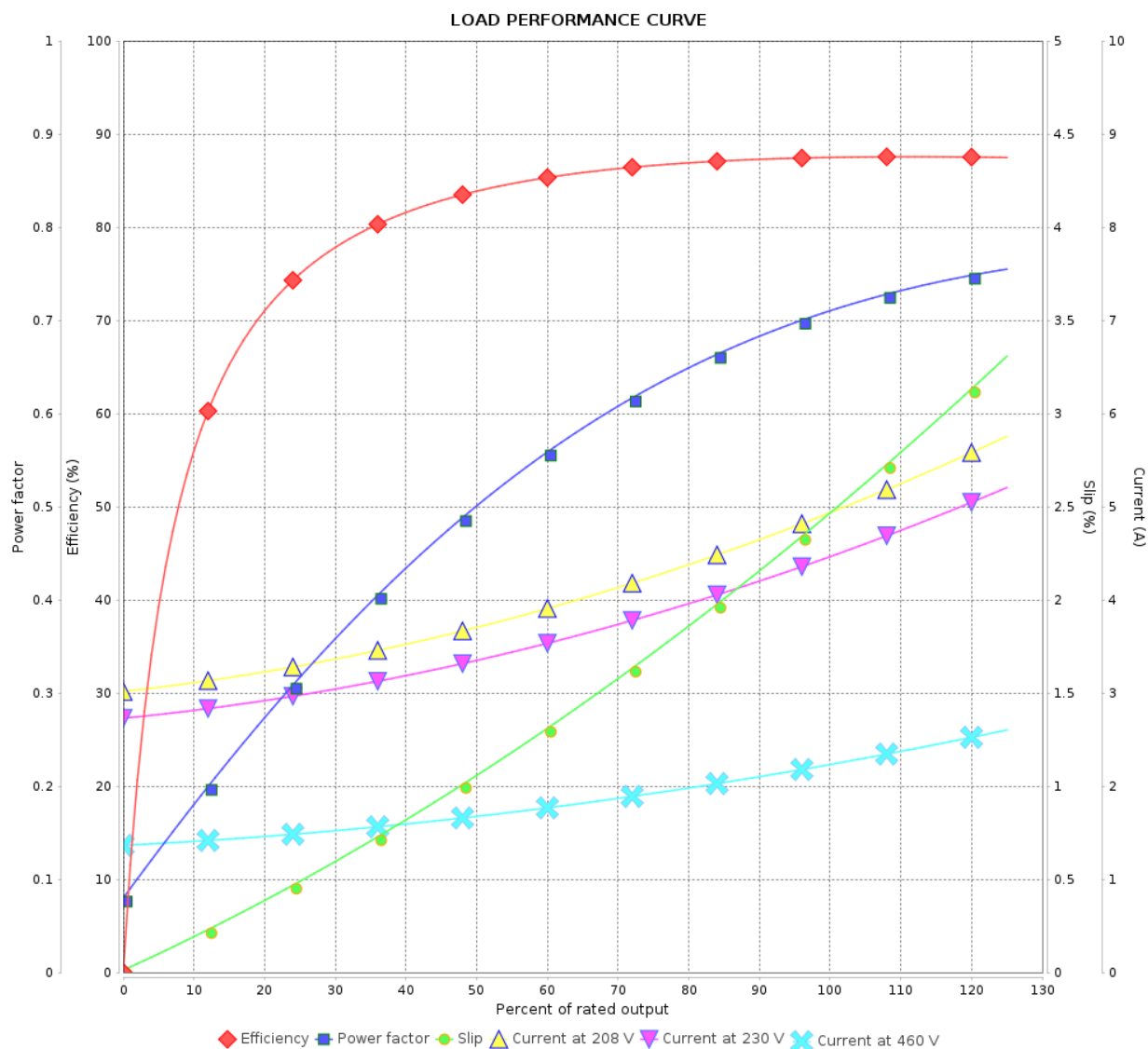
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA
Premium Efficiency Three-Phase

Product code : 13374122



Performance : 230/460 V 60 Hz 6P

Rated current : 4.44/2.22 A
LRC : 6.9
Rated torque : 0 kgfm
Locked rotor torque : 240 %
Breakdown torque : 340 %
Rated speed : 1170 rpm

Moment of inertia (J) : 0.0118 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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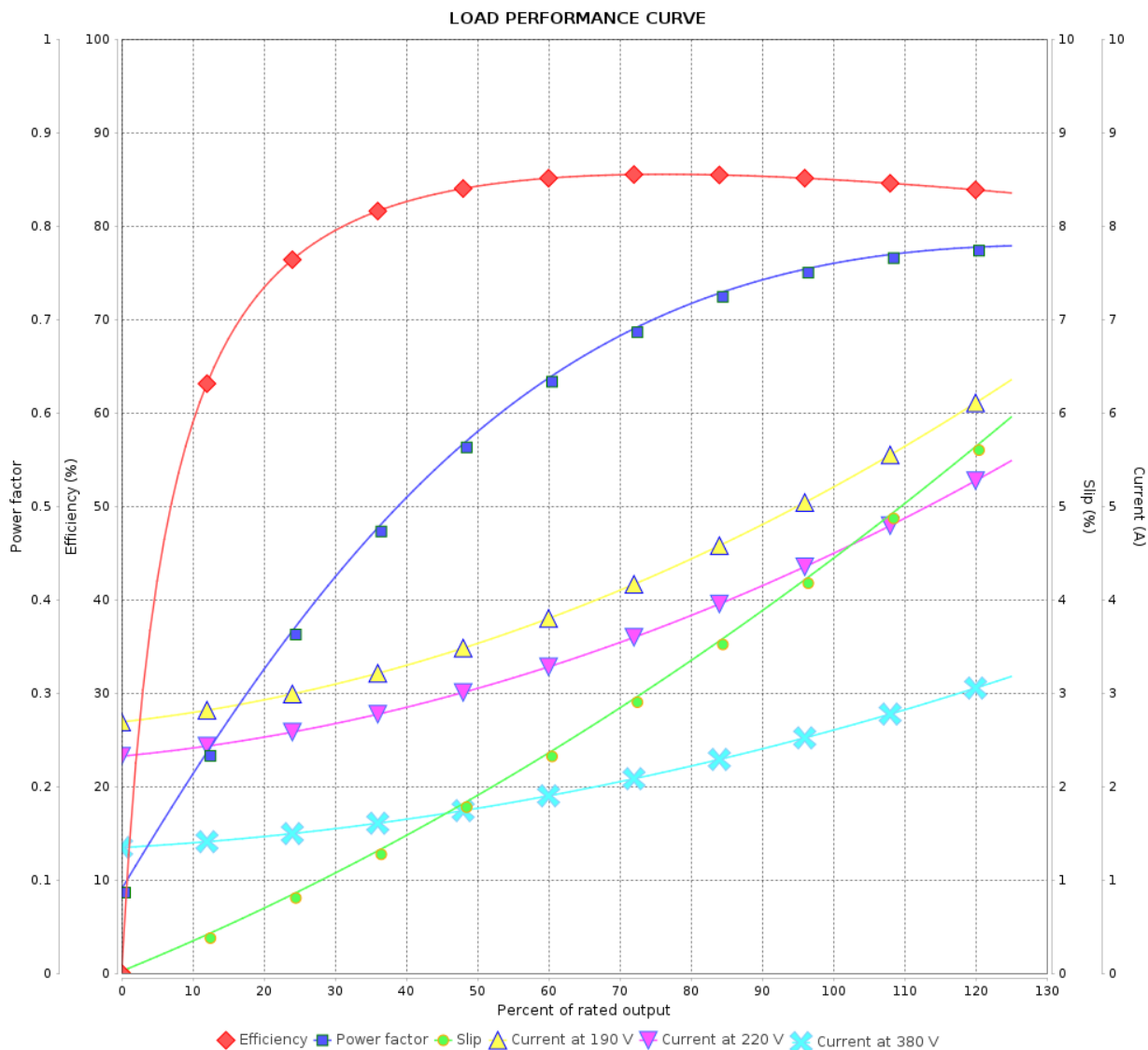
Three Phase Induction Motor - Squirrel Cage



Customer :

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Premium Efficiency Three-Phase

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Performance : 190-220/380 V 50 Hz 6P

Rated current : 5.18-4.47/2.59 A
LRC : 5.7
Rated torque : 1 kgfm
Locked rotor torque : 190 %
Breakdown torque : 260 %
Rated speed : 955 rpm

Moment of inertia (J) : 0.0118 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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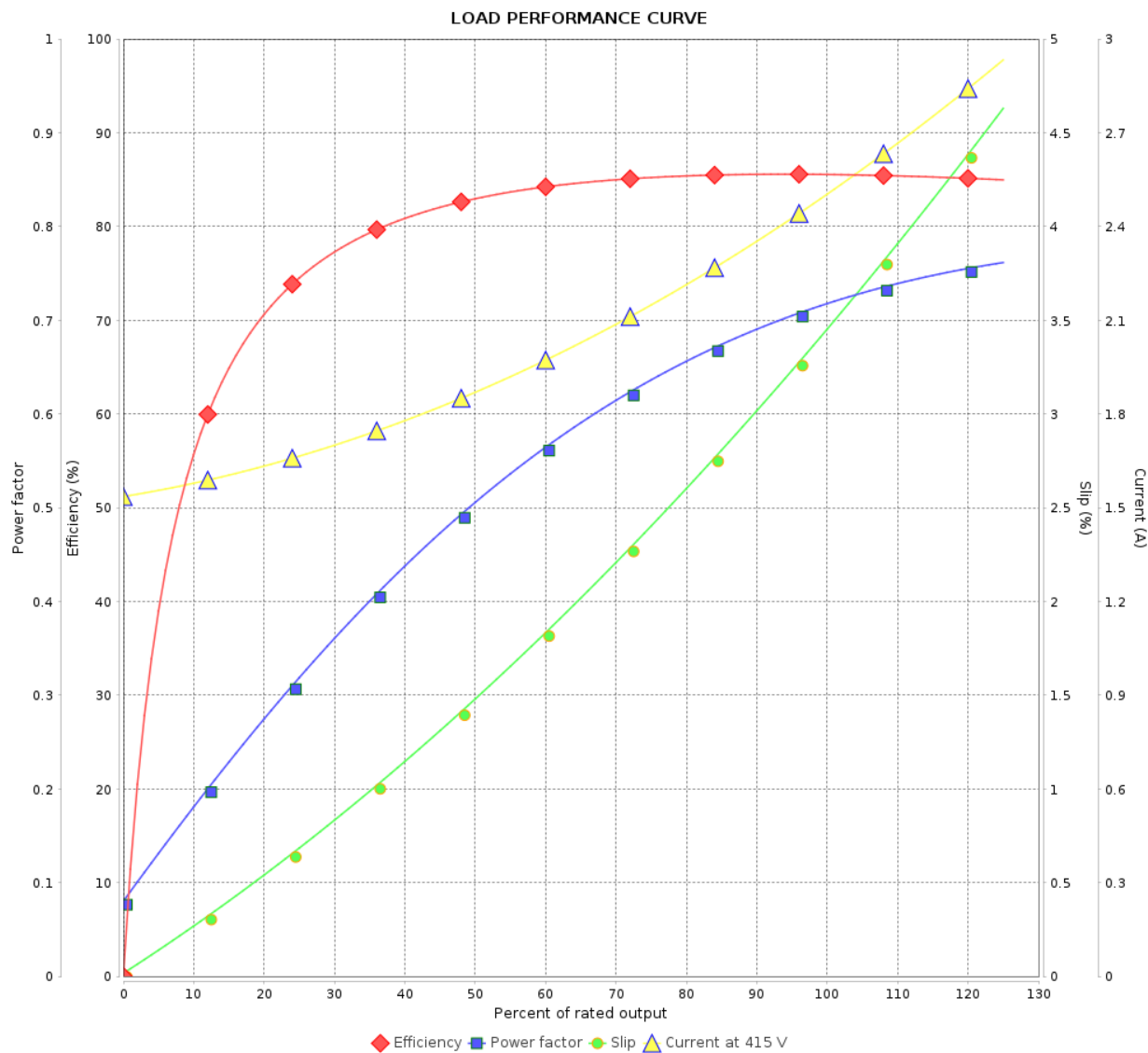
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA
Premium Efficiency Three-Phase

Product code : 13374122



Performance : 415 V 50 Hz 6P

Rated current : 2.49 A
LRC : 6.6
Rated torque : 1 kgfm
Locked rotor torque : 250 %
Breakdown torque : 330 %
Rated speed : 965 rpm

Moment of inertia (J) : 0.0118 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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