

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase Product code : 13482592

Frame	: 143/5JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6
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	: 17.7 kg
Design	: B	Moment of inertia (J)	: 0.0049 kgm ²

Output [HP]	2	2	2
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	230/460	190-220/380	415
Rated current [A]	5.38/2.69	6.52-5.63/3.26	3.07
L. R. Amperes [A]	41.4/20.7	36.5-31.5/18.3	20.6
LRC [A]	7.7x(Code K)	5.6x(Code J)	6.7x(Code L)
No load current [A]	2.75/1.38	2.70-2.33/1.35	1.63
Rated speed [RPM]	1740	1410	1430
Slip [%]	3.33	6.00	4.67
Rated torque [kgfm]	0	0	0
Locked rotor torque [%]	260	200	250
Breakdown torque [%]	320	229	280
Service factor		1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	30s (cold) 17s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%		
	50%	85.5	84.6
	75%	86.5	85.2
	100%	86.5	83.8
Power Factor	25%		
	50%	0.61	0.61
	75%	0.74	0.74
	100%	0.81	0.81

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	: 6206 ZZ	6203 ZZ	Max. traction : 72 kgf
Sealing	: Without	Without	Max. compression : 90 kgf
	Bearing Seal	Bearing Seal	
Lubrication interval	: -	-	
Lubricant amount	: -	-	
Lubricant type	: Mobil Polyrex EM		

Notes
USABLE @208V 5.95A SF 1.00 SFA 5.95A

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
Performed by				
Checked by				
Date	02/10/2026			

Page 1 / 4
Revision

LOAD PERFORMANCE CURVE

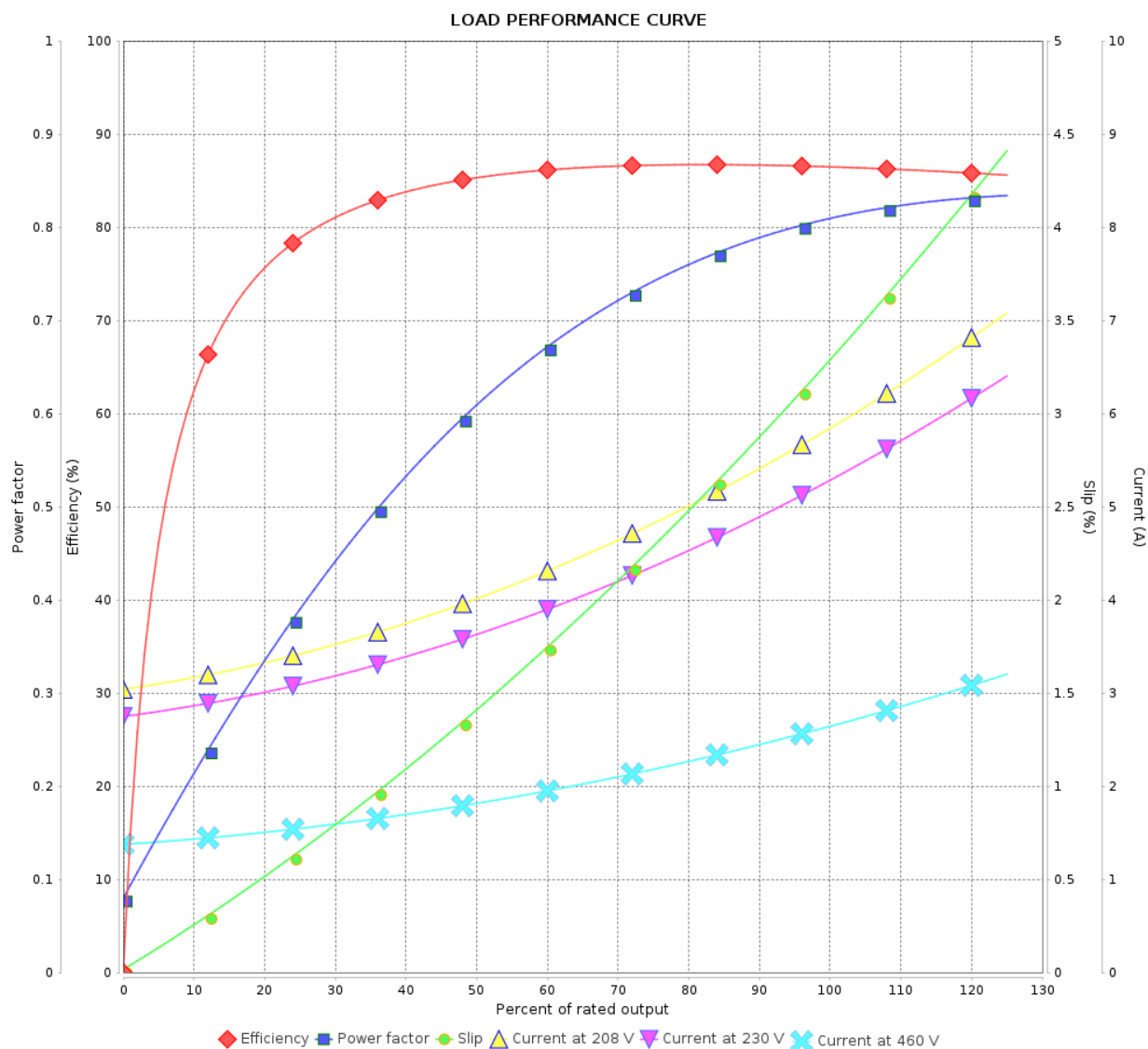
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13482592



Performance : 230/460 V 60 Hz 4P

Rated current : 5.38/2.69 A
LRC : 7.7
Rated torque : 0 kgfm
Locked rotor torque : 260 %
Breakdown torque : 320 %
Rated speed : 1740 rpm

Moment of inertia (J) : 0.0049 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 4	
Date					

LOAD PERFORMANCE CURVE

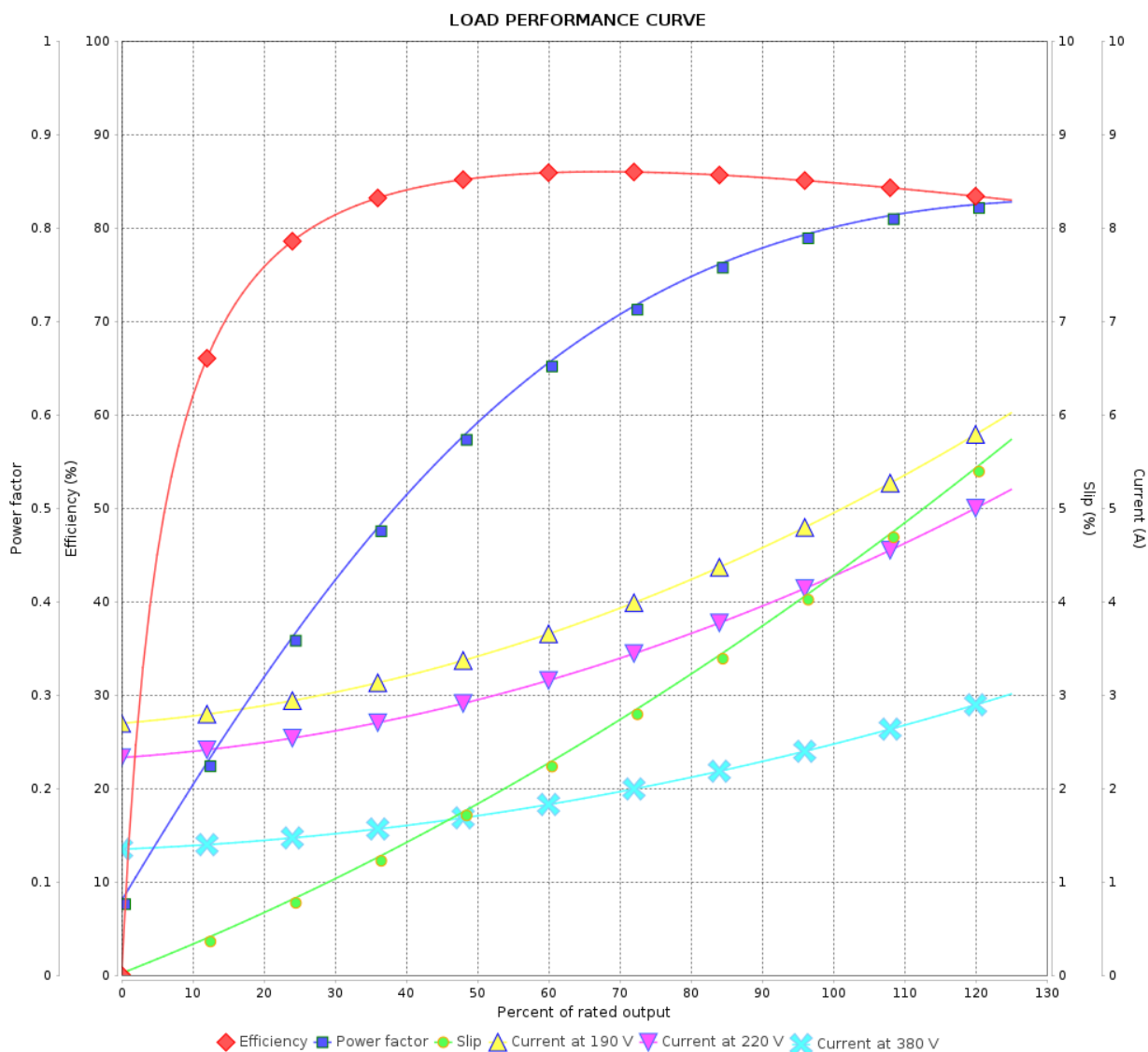
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13482592



Performance : 190-220/380 V 50 Hz 4P

Rated current : 6.52-5.63/3.26 A
LRC : 5.6
Rated torque : 0 kgfm
Locked rotor torque : 200 %
Breakdown torque : 229 %
Rated speed : 1410 rpm

Moment of inertia (J) : 0.0049 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 105 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	02/10/2026		Page 3 / 4		Revision

LOAD PERFORMANCE CURVE

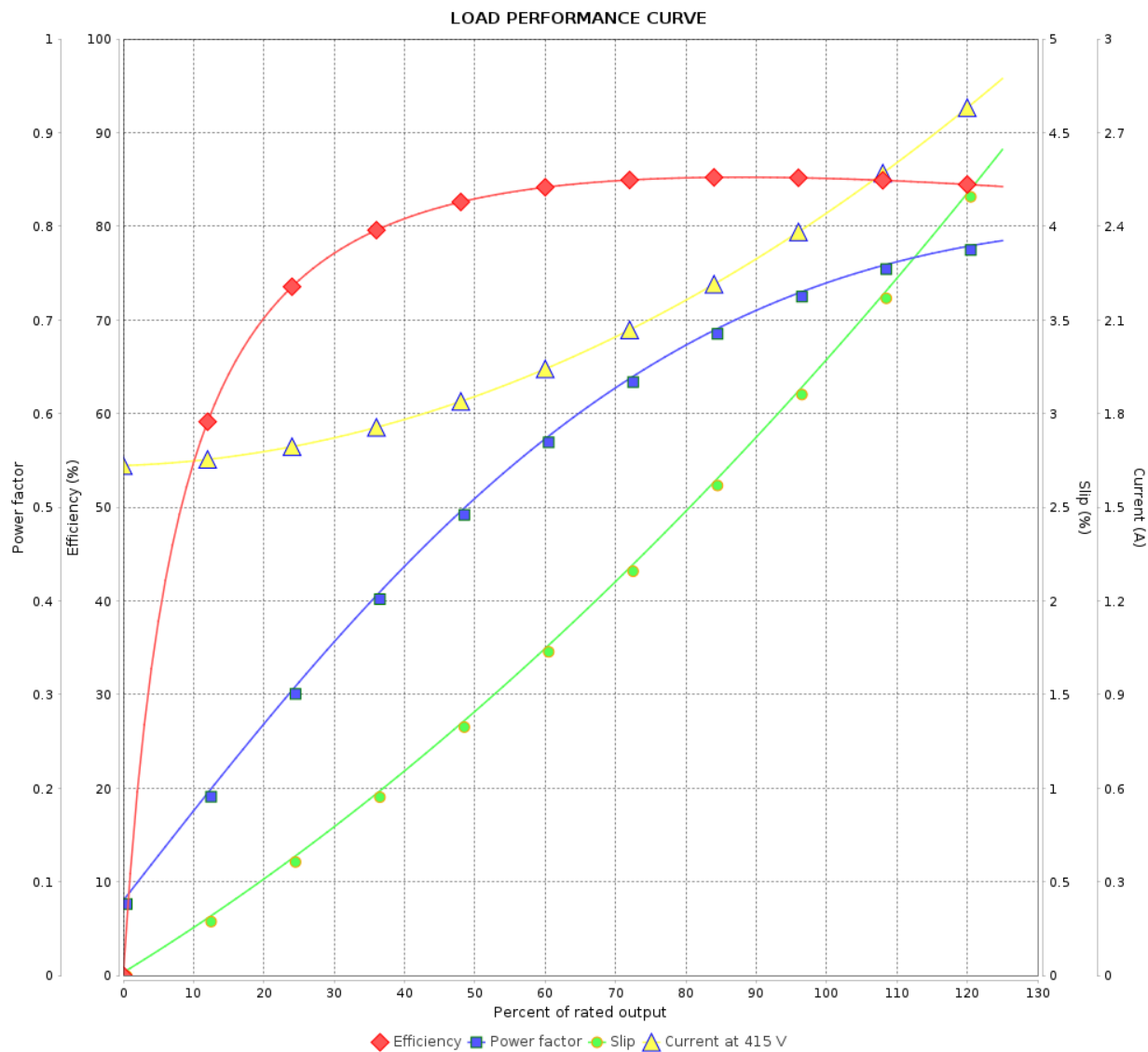
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13482592



Performance : 415 V 50 Hz 4P

Rated current : 3.07 A
LRC : 6.7
Rated torque : 0 kgfm
Locked rotor torque : 250 %
Breakdown torque : 280 %
Rated speed : 1430 rpm

Moment of inertia (J) : 0.0049 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 4 / 4	Revision
Checked by					
Date	02/10/2026				