

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase Product code : 11082957

Frame	: 182JM	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 3.25 A	Protection degree	: IP21
L. R. Amperes	: 26.3 A	Cooling method	: IC01 - ODP
LRC	: 8.1x(Code K)	Mounting	: F-1
No load current	: 1.90 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1760 rpm	Noise level ²	: 53.0 dB(A)
Slip	: 2.22 %	Starting method	: Direct On Line
Rated torque	: 1.24 kgfm	Approx. weight ³	: 30.0 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0107 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	85.5	88.5	89.5	Max. traction	: 62 kgf
Power Factor	0.54	0.68	0.76	Max. compression	: 92 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6207 ZZ	6205 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/01/2024		1 / 2	

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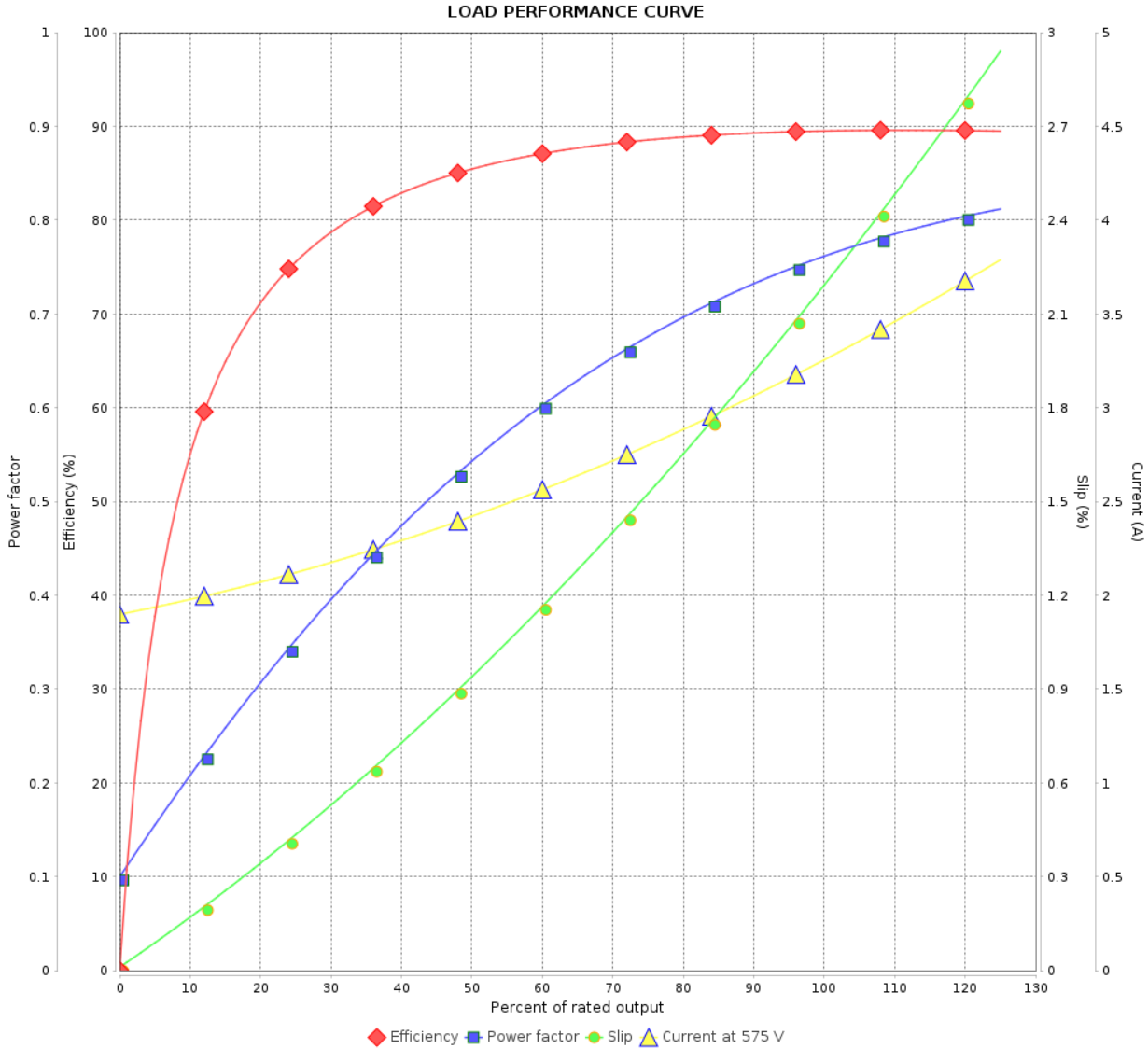
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump NEMA Premium
Efficiency Three-Phase

Product code : 11082957



Performance : 575 V 60 Hz 4P

Rated current : 3.25 A
LRC : 8.1
Rated torque : 1.24 kgfm
Locked rotor torque : 240 %
Breakdown torque : 300 %
Rated speed : 1760 rpm

Moment of inertia (J) : 0.0107 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/01/2024			