

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12674695

Frame	: 213/5TC	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 14.1 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 95.7 A	Mounting	: F-1
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 5.84 A	Noise level ²	: 66.0 dB(A)
Rated speed	: 3525 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight ³	: 61.1 kg
Rated torque	: 3.09 kgfm		
Locked rotor torque	: 229 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0232 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.0	90.1	90.2	Max. traction	: 129 kgf
Power Factor	0.72	0.82	0.87	Max. compression	: 190 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 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		Page 1 / 2 Revision		
Checked by				
Date	27/09/2025			

LOAD PERFORMANCE CURVE

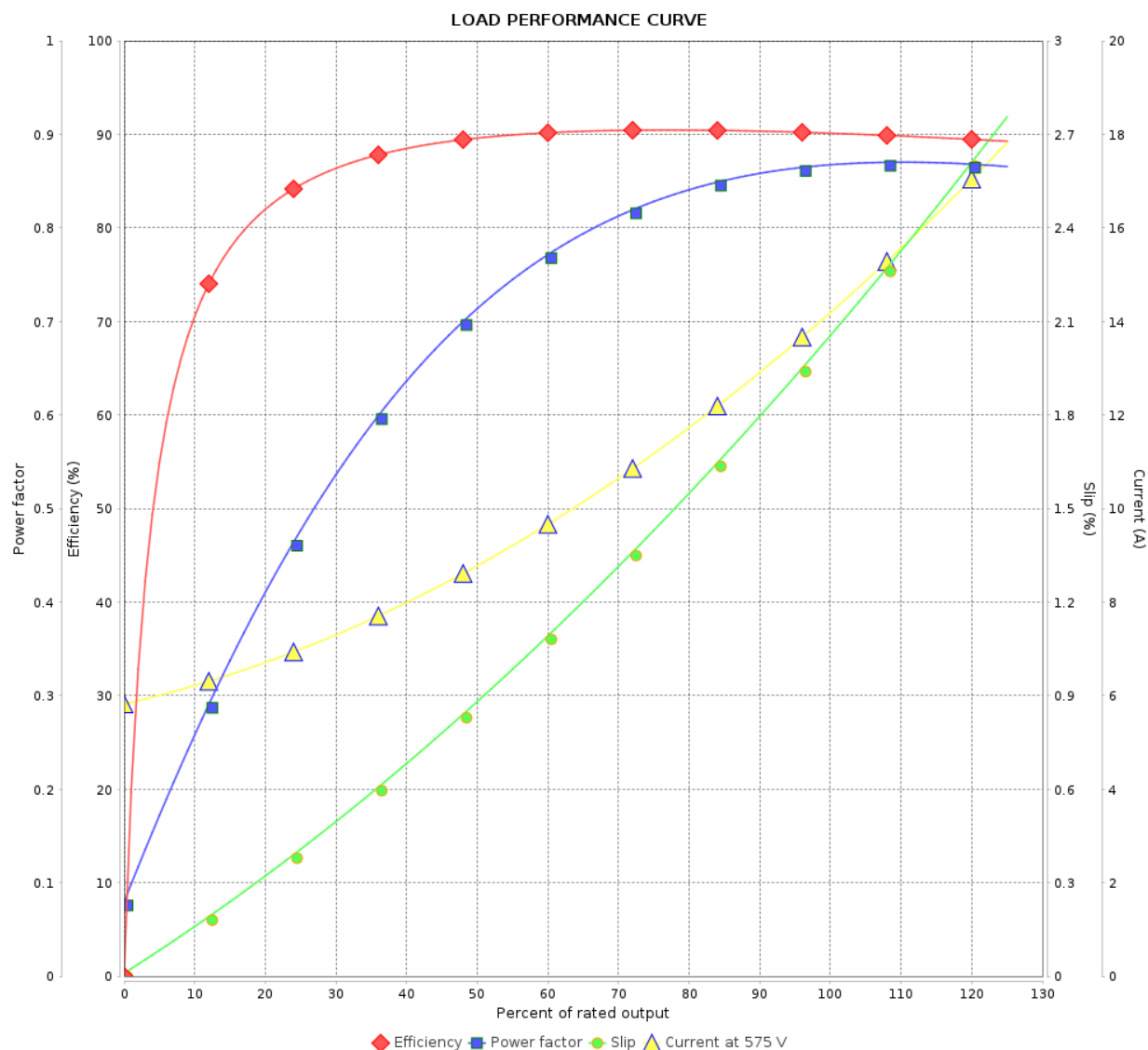
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12674695



Performance : 575 V 60 Hz 2P

Rated current : 14.1 A
LRC : 6.8
Rated torque : 3.09 kgfm
Locked rotor torque : 229 %
Breakdown torque : 280 %
Rated speed : 3525 rpm

Moment of inertia (J) : 0.0232 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	27/09/2025				