

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500622

Frame	: 447/9T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 356 A	Protection degree	: IP55
L. R. Amperes	: 2741 A	Cooling method	: IC411 - TEFC
LRC	: 7.7x(Code J)	Mounting	: F-1
No load current	: 170 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1189 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 0.92 %	Vibration	: B
Rated torque	: 183 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 270 %	Approx. weight ³	: 1412 kg
Breakdown torque	: 300 %		: 203A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.00	Design	: A
Moment of inertia (J)	: 6.09 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.4	95.8	95.8	Max. traction	: 4100 kgf
Power Factor	0.00	0.63	0.75	0.81	Max. compression	: 5512 kgf

	Drive end	Non drive end
Bearing type	: NU-322 C3	6319 C3
Sealing	: WSeal	WSeal
Lubrication interval	: 7000 h	13000 h
Lubricant amount	: 60 g	45 g
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 Revision 1 / 2		
Checked by				
Date	04/10/2026			

LOAD PERFORMANCE CURVE

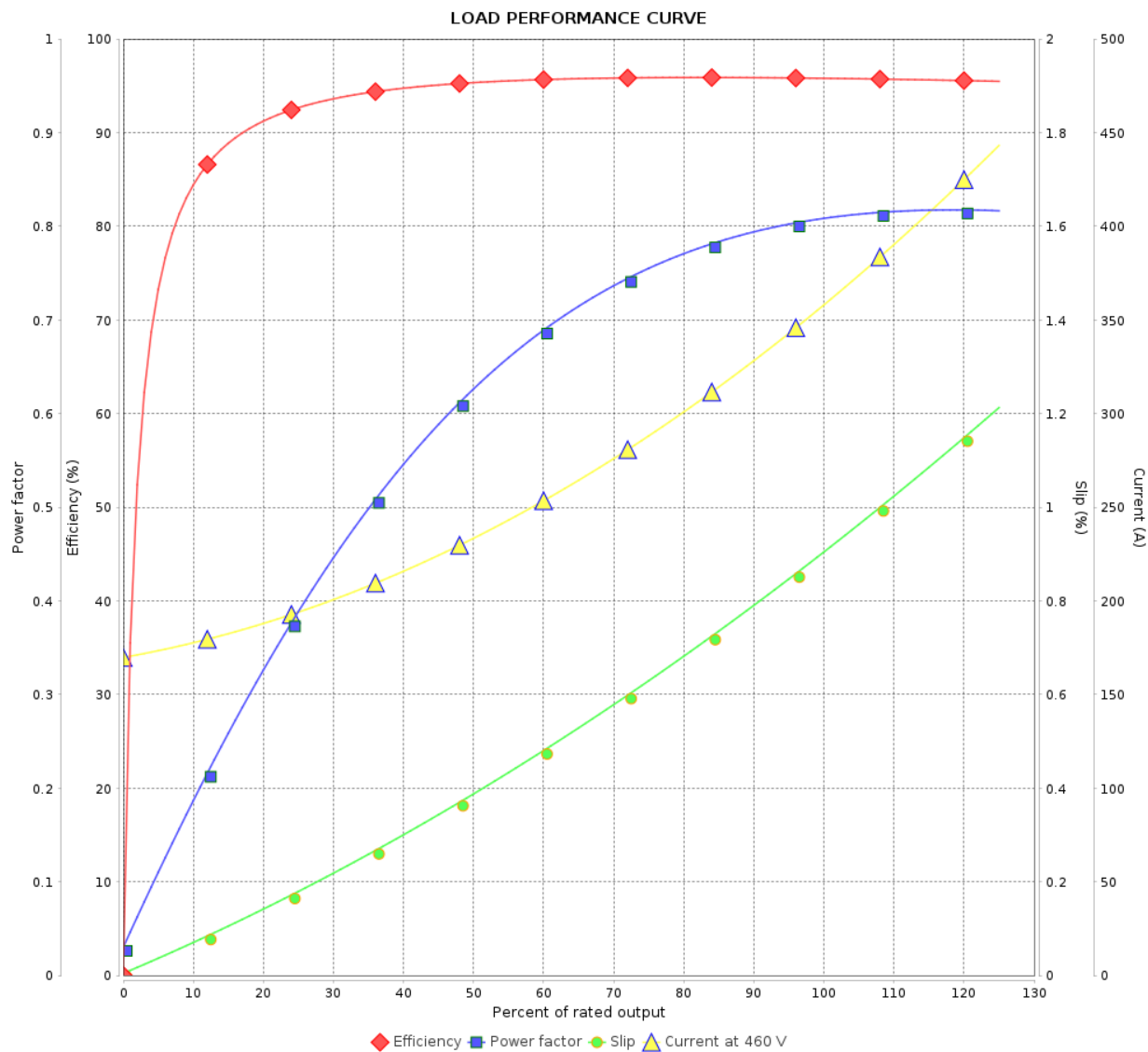
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 13500622



Performance : 460 V 60 Hz 6P

Rated current : 356 A
LRC : 7.7
Rated torque : 183 kgfm
Locked rotor torque : 270 %
Breakdown torque : 300 %
Rated speed : 1189 rpm

Moment of inertia (J) : 6.09 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : A

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	04/10/2026				