

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust High Efficiency Three-Phase Product code : 12196036

Frame	: 447LP	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 250 HP (185 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	: 215 A	Protection degree	: IP55
L. R. Amperes	: 1720 A	Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code H)	Mounting	: W-6
No load current	: 48.7 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3570 rpm	Noise level ²	: 87.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 50.8 kgfm	Approx. weight ³	: 1078 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.12 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	95.0	95.4	95.8	Max. traction
Power Factor	0.00	0.83	0.89	0.90	Max. compression

	Drive end	Non drive end
Bearing type	: 6314 C3	7311BECB
Sealing	: Oil Seal	Lip Seal
Lubrication interval	: 2860 h	2572 h
Lubricant amount	: 27 g	36 g
Lubricant type	Isoflex NBU-15	

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	24/10/2024			

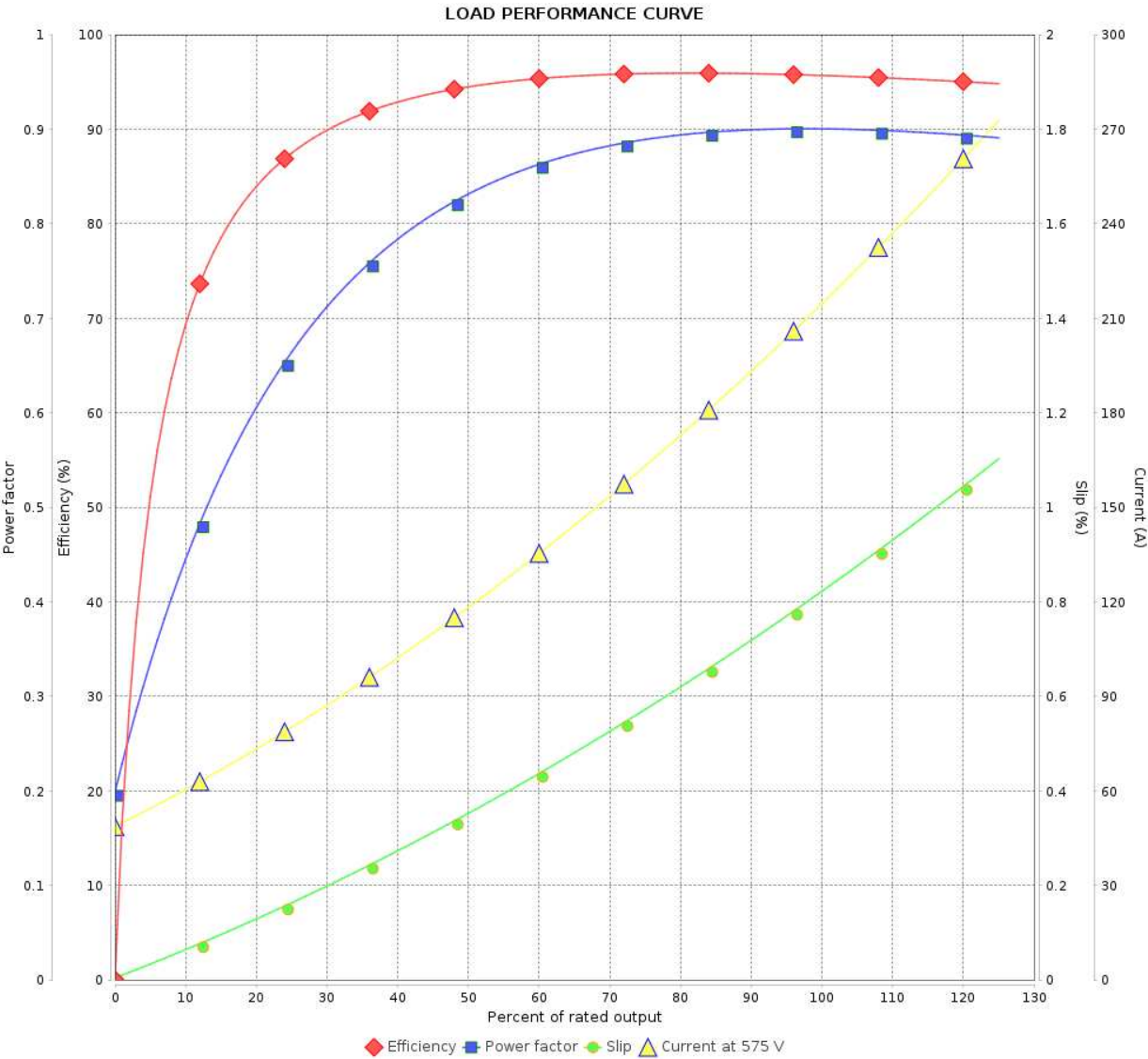
LOAD PERFORMANCE CURVE

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Customer :

Product line : W21 In Line Extra Thrust High Efficiency Three-Phase Product code : 12196036



Performance : 575 V 60 Hz 2P

Rated current	: 215 A	Moment of inertia (J)	: 2.12 kgm ²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 50.8 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3570 rpm	Design	: B

Rev.	Changes Summary		Performed	Checked	Date
Performed by		Page 2 / 2 Revision			
Checked by					
Date	24/10/2024				

