

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	
			<u>Drive end</u>		<u>Non drive end</u>	
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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
(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.						
Rev.	Changes Summary			Performed	Checked	Date
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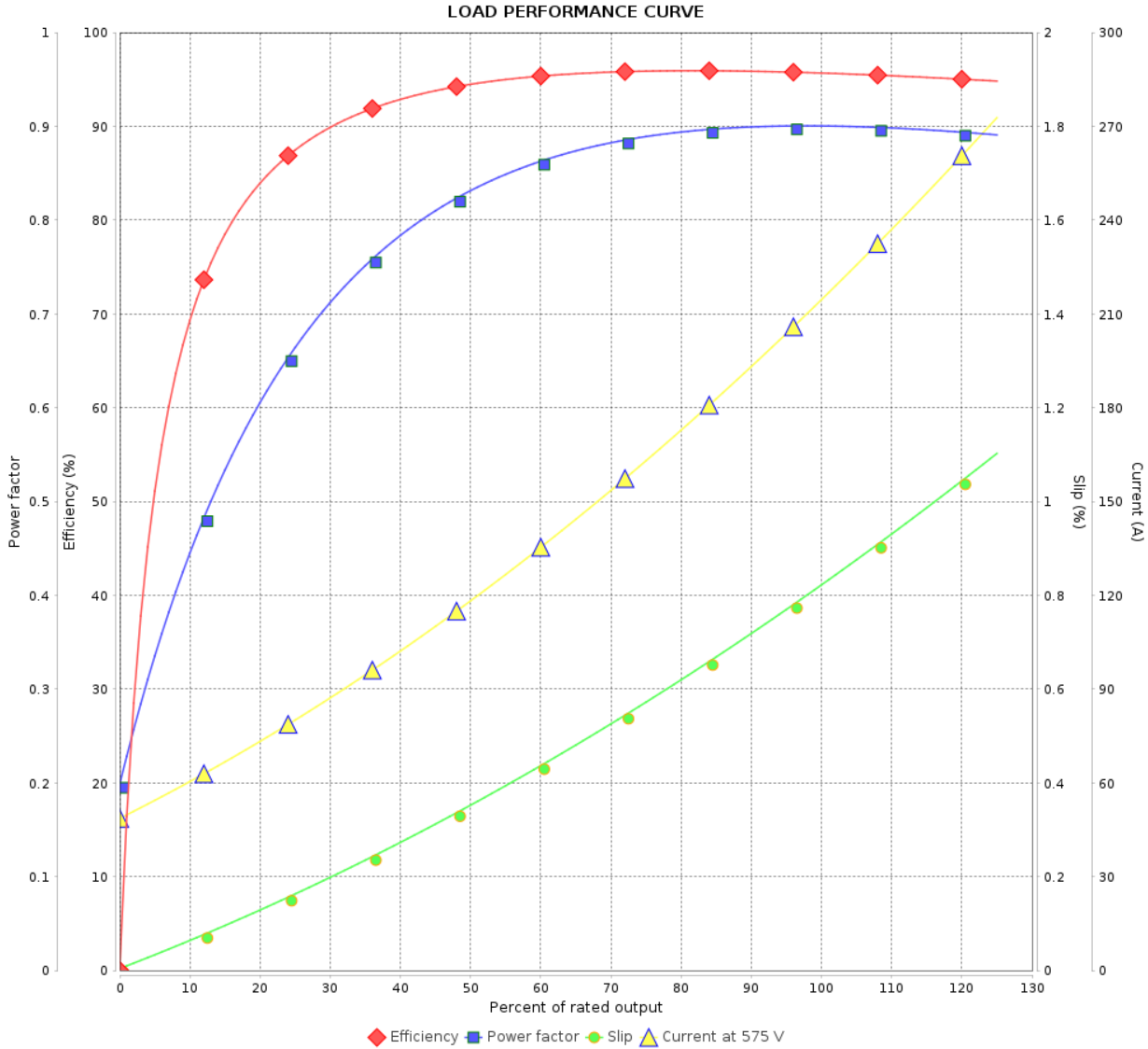
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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
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Date	14/01/2024			