

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase		Product code : 14022317	
Frame	: 364/5LP		Locked rotor time	: 32s (cold) 18s (hot)	
Output	: 75 HP (55 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	: 65.9 A		Protection degree	: IP55	
L. R. Amperes	: 461 A		Cooling method	: IC411 - TEFC	
LRC	: 7.0x(Code G)		Mounting	: W-6	
No load current	: 17.6 A		Rotation ¹	: CW	
Rated speed	: 3560 rpm		Noise level ²	: 85.0 dB(A)	
Slip	: 1.11 %		Starting method	: Direct On Line	
Rated torque	: 15.3 kgfm		Approx. weight ³	: 458 kg	
Locked rotor torque	: 229 %				
Breakdown torque	: 260 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.4198 kgm ²				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	93.0	94.1	94.1	
Power Factor	0.00	0.81	0.87	0.89	
Foundation loads					
Max. traction					
Max. compression					
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6314		7311BECB	
Sealing	:	Oil Seal		Lip Seal	
Lubrication interval	:	1802 h		1621 h	
Lubricant amount	:	27 g		18 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.		
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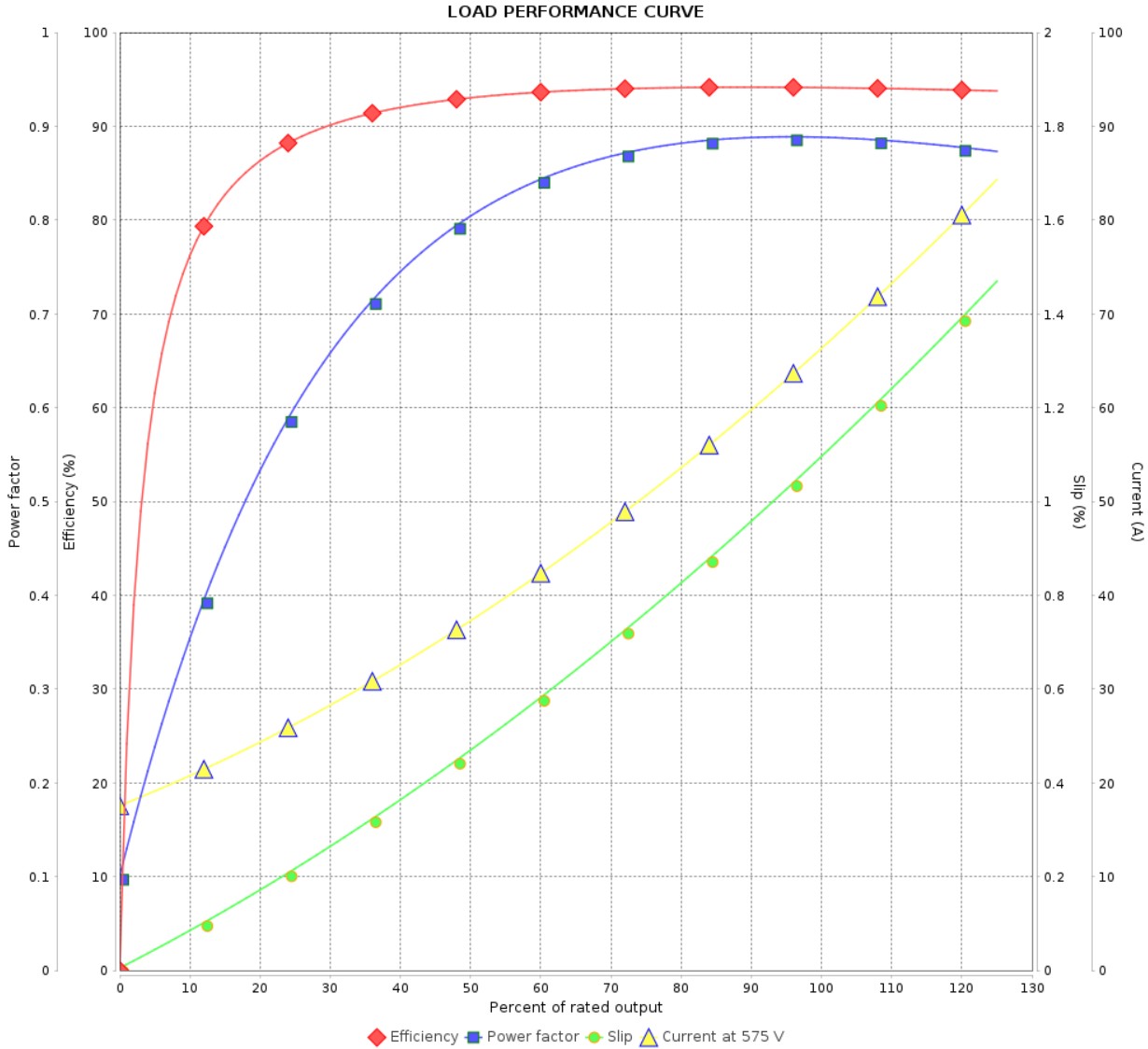
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W21 In Line Extra Thrust NEMA Premium Product code : 14022317
 Efficiency Three-Phase



Performance : 575 V 60 Hz 2P

Rated current	: 65.9 A	Moment of inertia (J)	: 0.4198 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 15.3 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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Date	15/01/2024			