

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase		Product code : 15290728		
Frame	: 326LP		Locked rotor time	: 36s (cold) 20s (hot)		
Output	: 25 HP (18.5 kW)		Temperature rise	: 80 K		
Poles	: 8		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	: 28.3 A		Protection degree	: IP55		
L. R. Amperes	: 144 A		Cooling method	: IC411 - TEFC		
LRC	: 5.1x(Code G)		Mounting	: W-6		
No load current	: 16.3 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 885 rpm		Noise level ²	: 56.0 dB(A)		
Slip	: 1.67 %		Starting method	: Direct On Line		
Rated torque	: 20.5 kgfm		Approx. weight ³	: 305 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 240 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.5023 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression	
Efficiency (%)	0.000	91.0	92.4	92.4		
Power Factor	0.00	0.51	0.63	0.71		
Bearing type	:	<u>Drive end</u> 6212 C3		<u>Non drive end</u> 7310BECB		
Sealing	:	Oil Seal		Lip Seal		
Lubrication interval	:	20000 h		18706 h		
Lubricant amount	:	13 g		15 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
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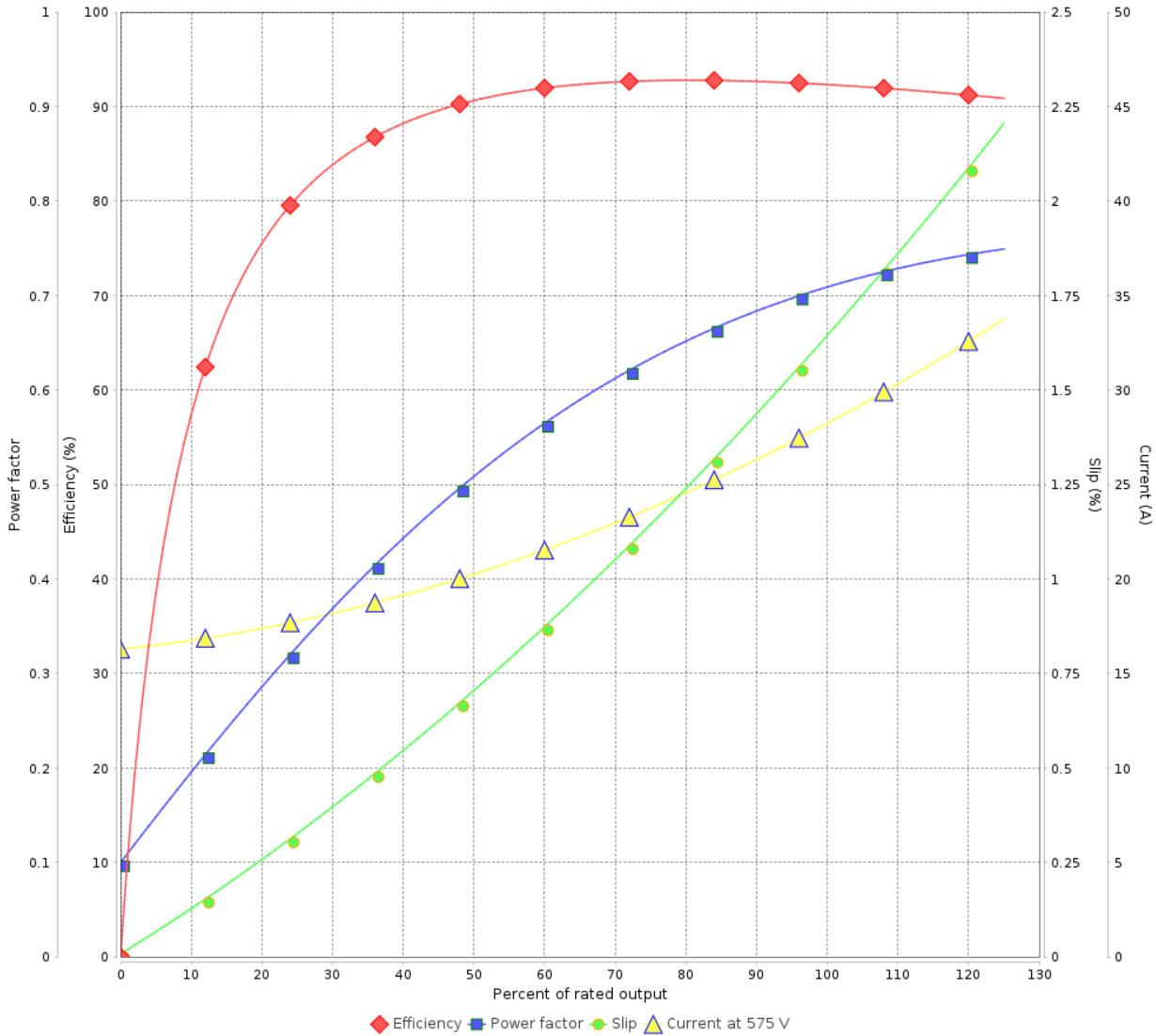
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Product code : 15290728
 Efficiency Three-Phase

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 8P

Rated current	: 28.3 A	Moment of inertia (J)	: 0.5023 kgm ²
LRC	: 5.1	Duty cycle	: Cont.(S1)
Rated torque	: 20.5 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 885 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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