

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase		Product code : 14922725		
Frame	: 326LP		Locked rotor time	: 59s (cold) 33s (hot)		
Output	: 50 HP (37 kW)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 124-112/56.1 A		Protection degree	: IP55		
L. R. Amperes	: 893-806/404 A		Cooling method	: IC411 - TEFC		
LRC	: 7.2x(Code H)		Mounting	: W-6		
No load current	: 24.7-28.2/14.1 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3560 rpm		Noise level ²	: 81.0 dB(A)		
Slip	: 1.11 %		Starting method	: Direct On Line		
Rated torque	: 10.2 kgfm		Approx. weight ³	: 330 kg		
Locked rotor torque	: 280 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.2284 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	92.4	93.6	94.1	Max. traction	
Power Factor	0.00	0.81	0.87	0.88	Max. compression	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6212 C3			7310BECB	
Sealing	:	Oil Seal			Lip Seal	
Lubrication interval	:	6072 h			4017 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.			
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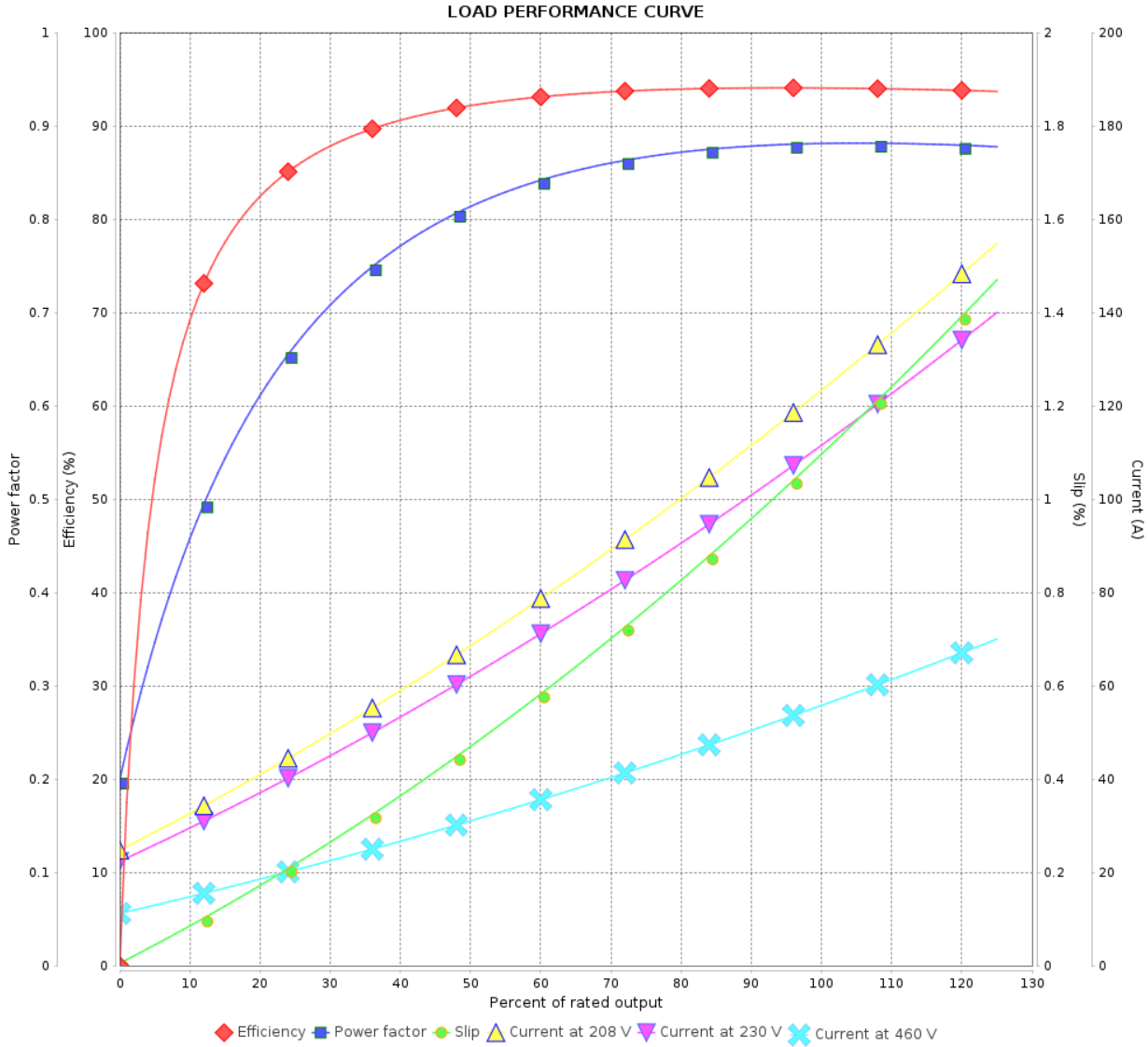
LOAD PERFORMANCE CURVE

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Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 14922725



Performance : 208-230/460 V 60 Hz 2P

Rated current	: 124-112/56.1 A	Moment of inertia (J)	: 0.2284 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 10.2 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

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