

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :		11535563
Frame	: 364/5TC		Locked rotor time	: 25s (cold) 14s (hot)		
Output	: 75 HP (55 kW)		Temperature rise	: 80 K		
Poles	: 4		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	: 69.8 A		Protection degree	: IP55		
L. R. Amperes	: 446 A		Cooling method	: IC411 - TEFC		
LRC	: 6.4x(Code G)		Mounting	: F-1		
No load current	: 26.4 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1780 rpm		Noise level ²	: 67.0 dB(A)		
Slip	: 1.11 %		Starting method	: Direct On Line		
Rated torque	: 30.6 kgfm		Approx. weight ³	: 425 kg		
Locked rotor torque	: 240 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.9798 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.5	95.0	95.4	Max. traction : 680 kgf	
Power Factor	0.00	0.68	0.78	0.83	Max. compression : 1106 kgf	
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.7	3.8	3.5	2.4	1.6	1.1	0.7
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6314 C3		6314 C3		
Sealing	:	Oil Seal		Oil Seal		
Lubrication interval	:	12000 h		12000 h		
Lubricant amount	:	27 g		27 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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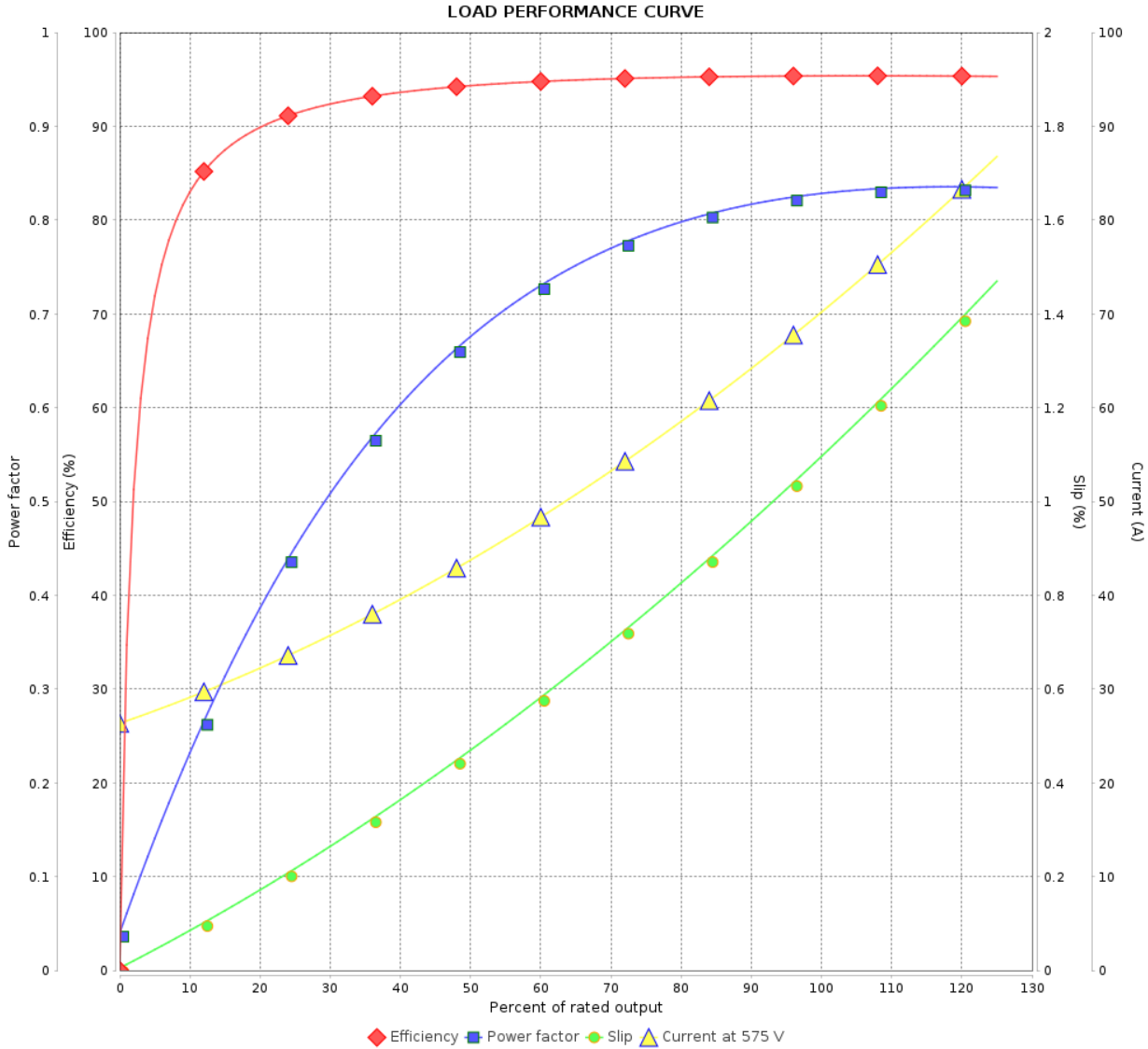
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11535563



Performance : 575 V 60 Hz 4P

Rated current	: 69.8 A	Moment of inertia (J)	: 0.9798 kgm ²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 30.6 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

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