

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 IEEE 841 NEMA Premium Efficiency Three-Phase			Product code : 13731786	
Frame	: 364/5T	Locked rotor time	: 45s (cold) 25s (hot)			
Output	: 30 HP (22 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	: 30.5 A	Protection degree	: IP55			
L. R. Amperes	: 189 A	Cooling method	: IC411 - TEFC			
LRC	: 6.2x(Code G)	Mounting	: F-1			
No load current	: 12.8 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 882 rpm	Noise level ²	: 60.0 dB(A)			
Slip	: 2.00 %	Starting method	: Direct On Line			
Rated torque	: 24.7 kgfm	Approx. weight ³	: 352 kg			
Locked rotor torque	: 160 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.9884 kgm ²					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	91.5	91.7	91.7	Max. traction : 461 kgf		
Power Factor	0.62	0.73	0.79	Max. compression : 813 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)
8.9	7.7	7.2	3.9	2.8	1.7	1.3
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6314 C3		6314 C3		
Sealing	:	Inpro/Seal		Inpro/Seal		
Lubrication interval	:	20000 h		20000 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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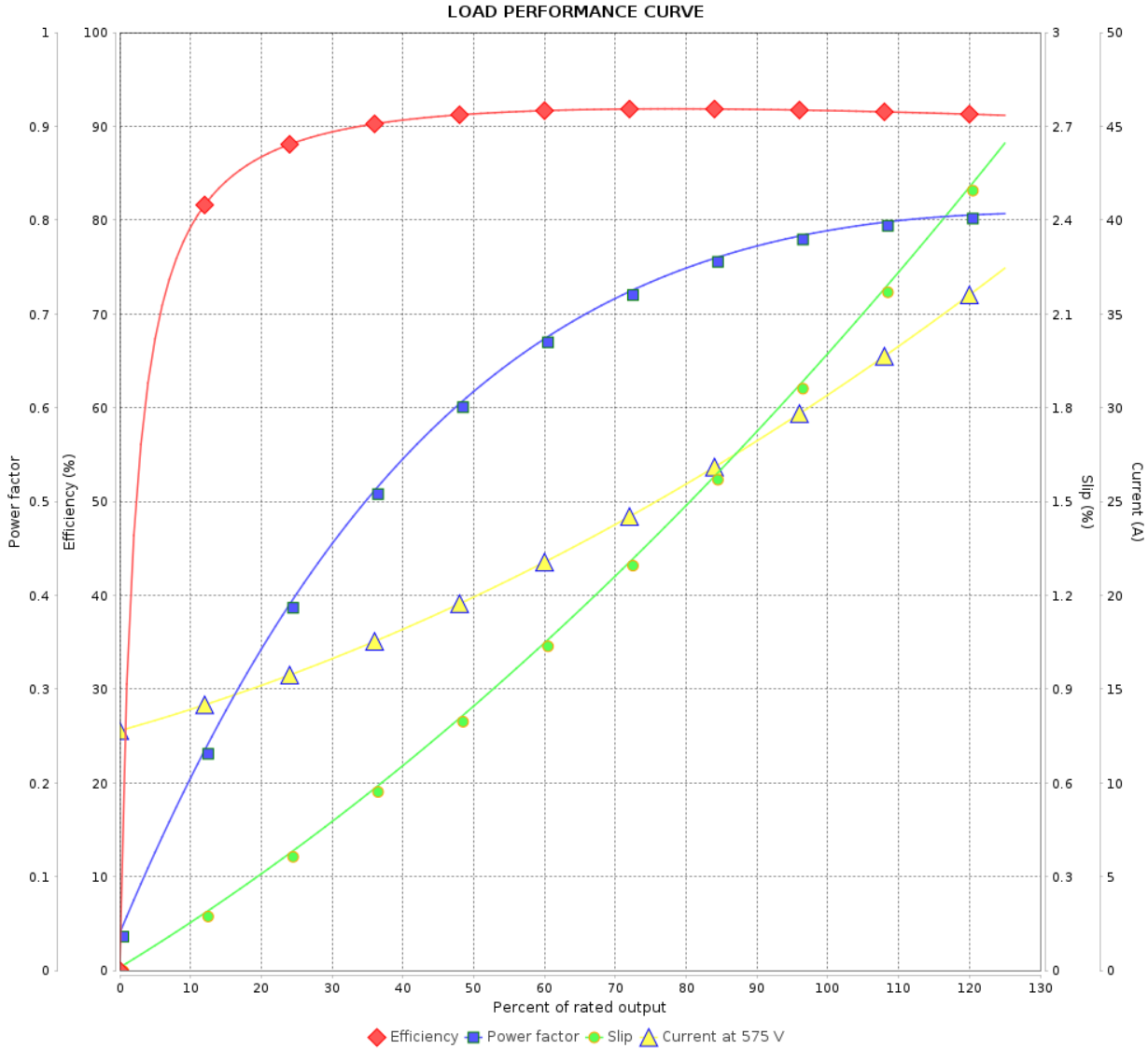
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase Product code : 13731786



Performance : 575 V 60 Hz 8P

Rated current	: 30.5 A	Moment of inertia (J)	: 0.9884 kgm ²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 24.7 kgfm	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 882 rpm	Design	: B

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