

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	13163959			
Frame	: 586/7T	Locked rotor time	: 63s (cold) 35s (hot)			
Output	: 350 HP (260 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	: 341 A	Protection degree	: IP55			
L. R. Amperes	: 2181 A	Cooling method	: IC411 - TEFC			
LRC	: 6.4x(Code G)	Mounting	: F-1			
No load current	: 136 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 893 rpm	Noise level ²	: 75.0 dB(A)			
Slip	: 0.78 %	Starting method	: Direct On Line			
Rated torque	: 284 kgfm	Approx. weight ³	: 2025 kg			
Locked rotor torque	: 160 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 20.4 kgm ²					
Output	50%	75%	100%			
Efficiency (%)	95.4	95.8	95.8			
Power Factor	0.64	0.75	0.80			
Foundation loads		Max. traction	: 3466 kgf			
		Max. compression	: 5491 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	3.3	2.5	1.8	1.4	0.9
Bearing type		: <u>Drive end</u> 6322 C3	: <u>Non drive end</u> 6319 C3			
Sealing		: Taconite Labyrinth	: Taconite Labyrinth			
Lubrication interval		: 14000 h	: 17000 h			
Lubricant amount		: 60 g	: 45 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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Customer : _____

Space heater information

Voltage: 200 - 240 V

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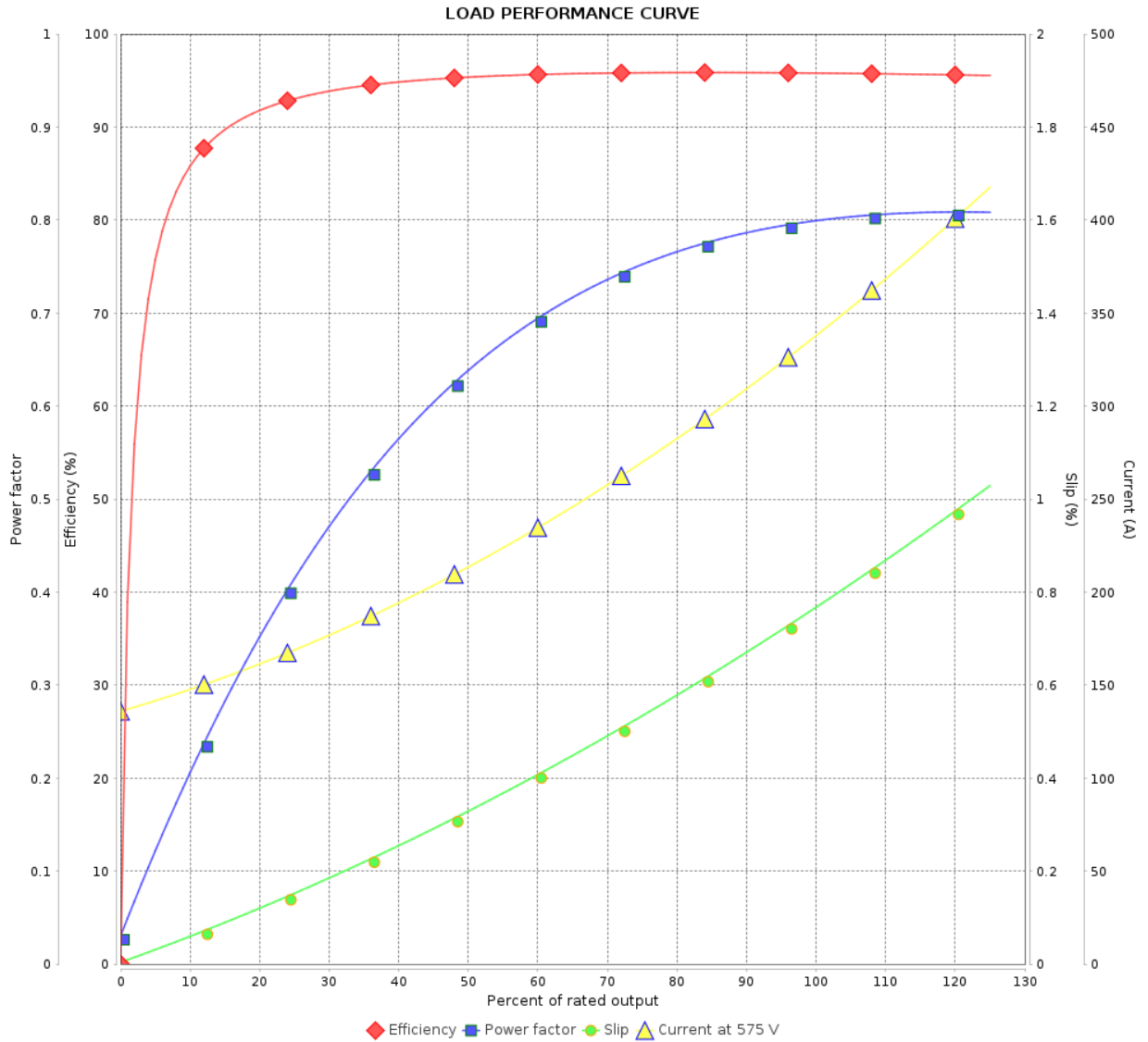
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13163959



Performance : 575 V 60 Hz 8P

Rated current : 341 A
 LRC : 6.4
 Rated torque : 284 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 229 %
 Rated speed : 893 rpm

Moment of inertia (J) : 20.4 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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