

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	15183519			
Frame	: L447/9T	Locked rotor time	: 41s (cold) 23s (hot)			
Output	: 350 HP (260 kW)	Temperature rise	: 80 K			
Poles	: 6	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	: 332 A	Protection degree	: IP55			
L. R. Amperes	: 2291 A	Cooling method	: IC411 - TEFC			
LRC	: 6.9x(Code H)	Mounting	: F-1			
No load current	: 128 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1190 rpm	Noise level ²	: 71.0 dB(A)			
Slip	: 0.83 %	Starting method	: Direct On Line			
Rated torque	: 213 kgfm	Approx. weight ³	: 1649 kg			
Locked rotor torque	: 250 %					
Breakdown torque	: 270 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 11.7 kgm ²					
Design	: A					
Output	50%	75%	100%			
Efficiency (%)	95.4	95.8	95.8			
Power Factor	0.66	0.77	0.82			
Foundation loads		Max. traction	: 4217 kgf			
		Max. compression	: 5866 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)
5.1	3.8	3.4	2.9	1.9	1.4	0.8
		<u>Drive end</u>			<u>Non drive end</u>	
Bearing type	:	NU-322 C3			6319 C3	
Sealing	:	WSeal			WSeal	
Lubrication interval	:	7000 h			13000 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.		
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	16/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

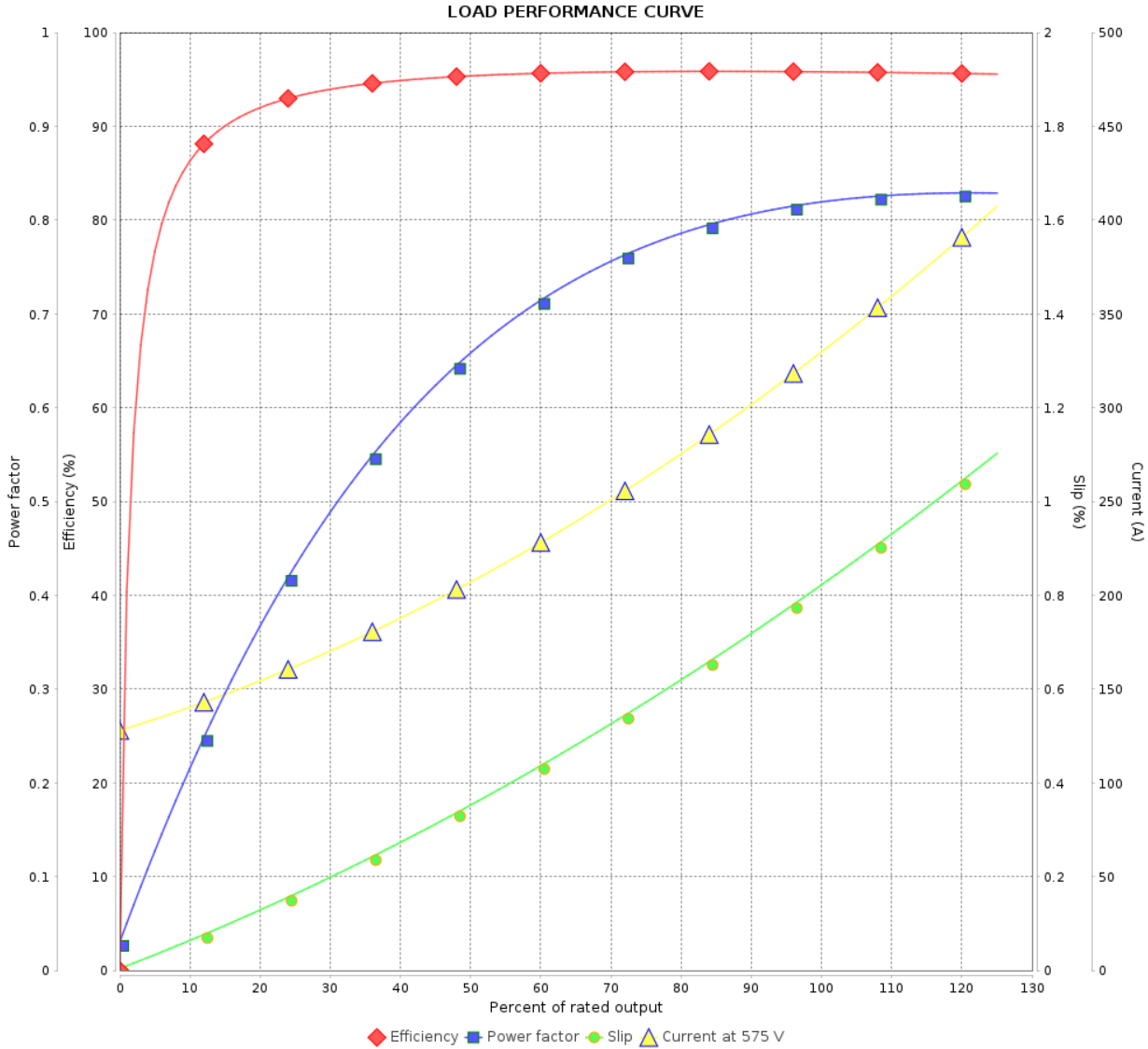
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Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 15183519



Performance : 575 V 60 Hz 6P

Rated current : 332 A
 LRC : 6.9
 Rated torque : 213 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 270 %
 Rated speed : 1190 rpm

Moment of inertia (J) : 11.7 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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