

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293637		
Frame	: 182/4HP		Locked rotor time	: 41s (cold) 23s (hot)		
Output	: 3 HP (2.2 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	: 3.12 A		Protection degree	: IP55		
L. R. Amperes	: 25.3 A		Cooling method	: IC411 - TEFC		
LRC	: 8.1x(Code K)		Mounting	: W-6		
No load current	: 1.60 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1760 rpm		Noise level ²	: 56.0 dB(A)		
Slip	: 2.22 %		Starting method	: Direct On Line		
Rated torque	: 1.24 kgfm		Approx. weight ³	: 41.0 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 310 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0143 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	87.5	88.5	89.5	Max. traction	
Power Factor	0.00	0.61	0.73	0.79	Max. compression	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 ZZ		6206 ZZ		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	0 h		0 h		
Lubricant amount	:	0 g		0 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	14/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

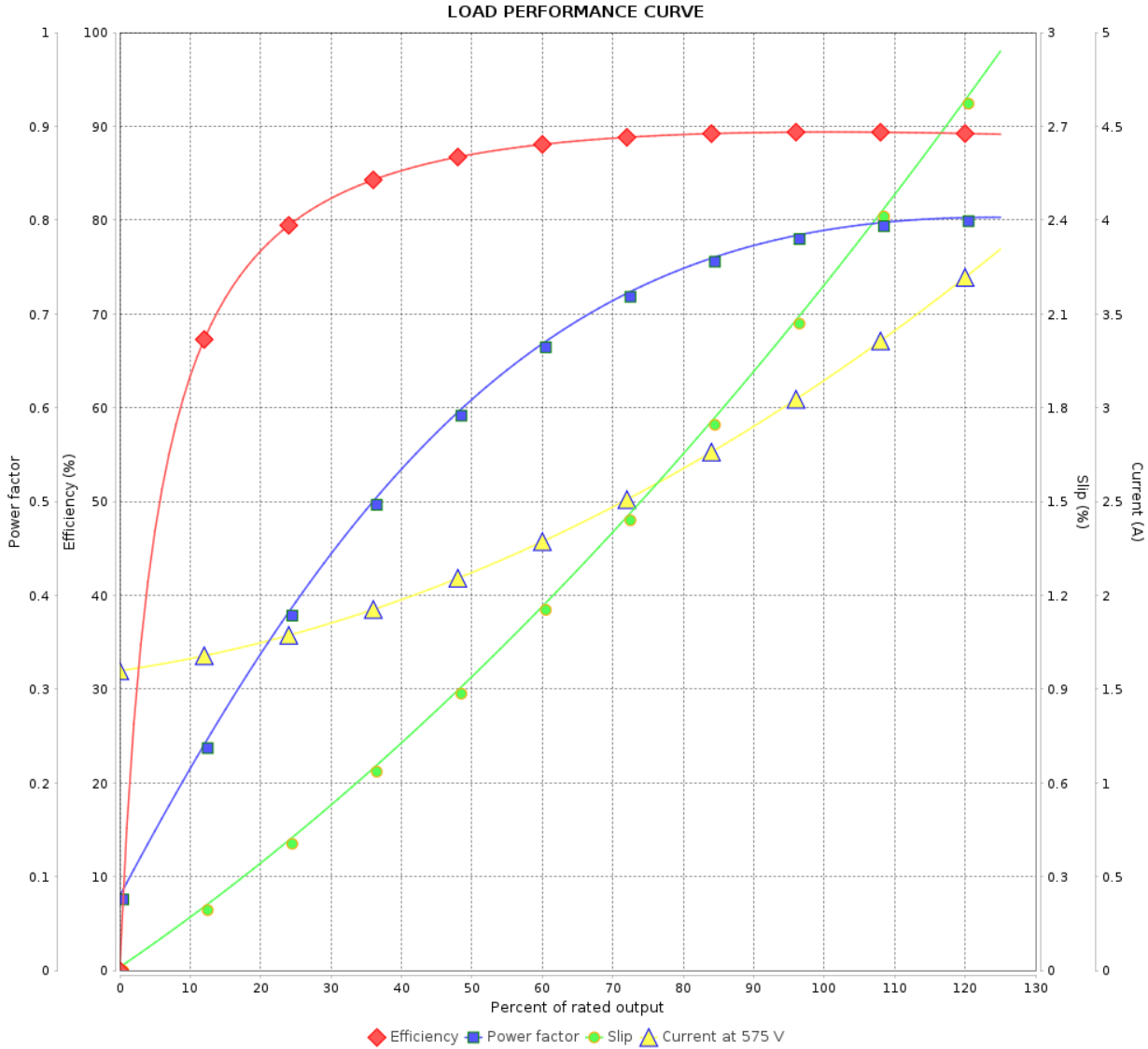
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 P Base NEMA Premium Efficiency
Three-Phase

Product code : 13293637



Performance : 575 V 60 Hz 4P

Rated current : 3.12 A
 LRC : 8.1
 Rated torque : 1.24 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0143 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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Performed by			Page 2 / 2	Revision
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