

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293740			
Frame : 284/6HP Output : 30 HP (22 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 28.1 A L. R. Amperes : 171 A LRC : 6.1x(Code G) No load current : 10.4 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 12.3 kgfm Locked rotor torque : 240 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2467 kgm <sup>2</sup> Design : B	Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : W-6 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 64.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 221 kg				
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)	0.000	93.0	93.0	93.6	
Power Factor	0.00	0.70	0.80	0.84	
			<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6312 C3	6211 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	14000 h	17000 h		
Lubricant amount	:	21 g	11 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

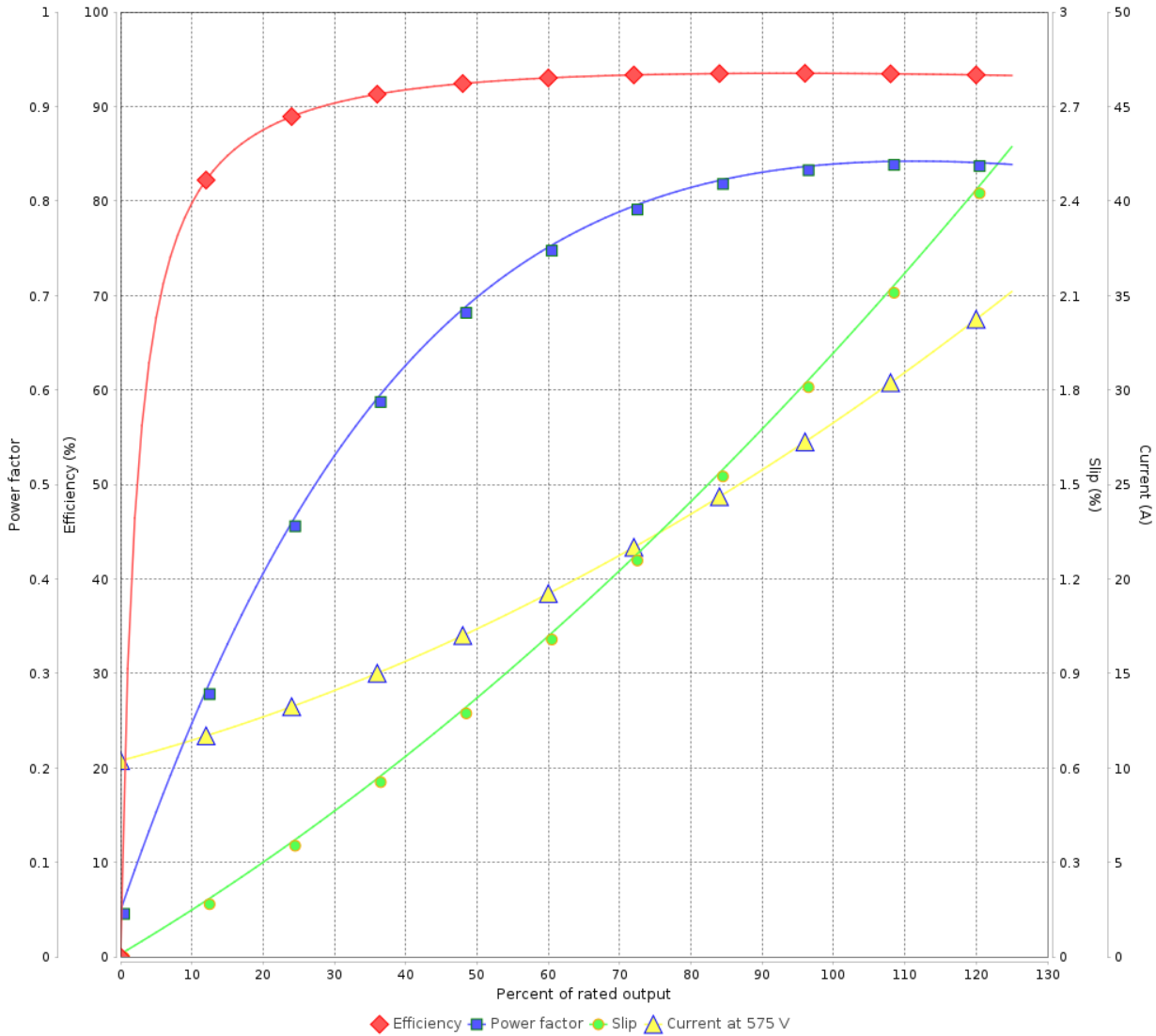


Customer :

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

Product code : 13293740

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 28.1 A  
 LRC : 6.1  
 Rated torque : 12.3 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 240 %  
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.2467 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.25  
 Temperature rise : 80 K  
 Design : B

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