

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293743		
Frame : 213/5HP Output : 7.5 HP (5.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 19.9-18.4/9.18 A L. R. Amperes : 141-131/65.2 A LRC : 7.1x(Code H) No load current : 7.59-8.80/4.40 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 3.08 kgfm Locked rotor torque : 220 % Breakdown torque : 310 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0566 kgm ² 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 ¹ : Both (CW and CCW) Noise level ² : 58.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 82.0 kg			
Output		25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)		0.000	89.5	91.0	91.7	
Power Factor		0.00	0.66	0.76	0.82	
Bearing type		: <u>Drive end</u> 6309 ZZ		: <u>Non drive end</u> 6207 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.			
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LOAD PERFORMANCE CURVE

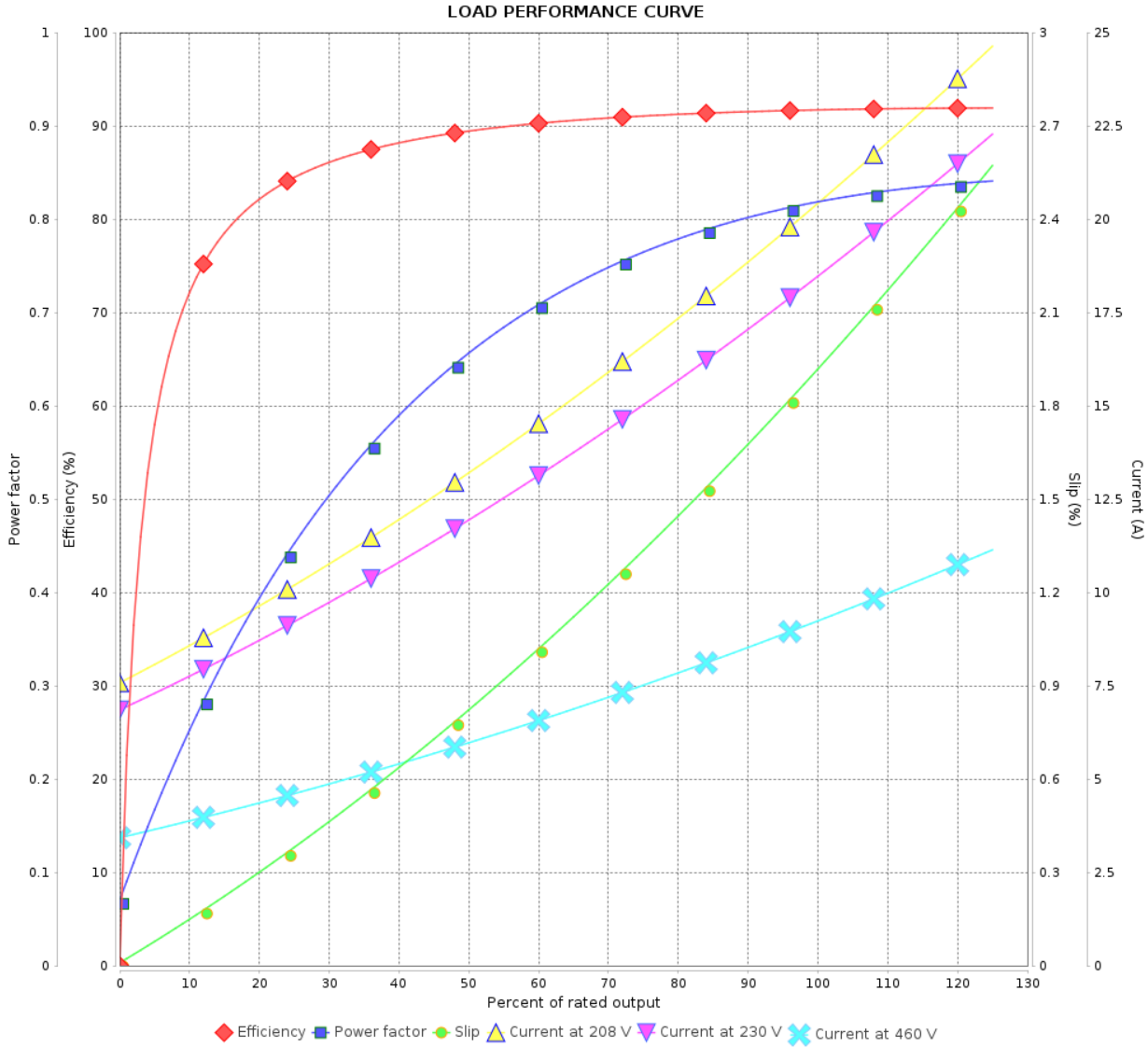
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Product line : W22 P Base NEMA Premium Efficiency
Three-Phase

Product code : 13293743



Performance : 208-230/460 V 60 Hz 4P

Rated current : 19.9-18.4/9.18 A
 LRC : 7.1
 Rated torque : 3.08 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0566 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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