

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14422106			
Frame : 213/5TC Output : 10 HP (7.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 41.8-38.8/19.4 A L. R. Amperes : 293-272/136 A LRC : 7.0x(Code G) No load current : 5.95-6.90/3.45 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 2.06 kgfm Locked rotor torque : 229 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0223 kgm ²	Locked rotor time : 14s (cold) 8s (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 : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 72.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 77.1 kg				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.0	85.5	86.5	Max. traction : 72 kgf	
Power Factor	0.96	0.97	0.97	Max. compression : 149 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 ZZ		6206 ZZ	
Sealing	:	V'Ring		V'Ring	
Lubrication interval	:	-		-	
Lubricant amount	:	-		-	
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

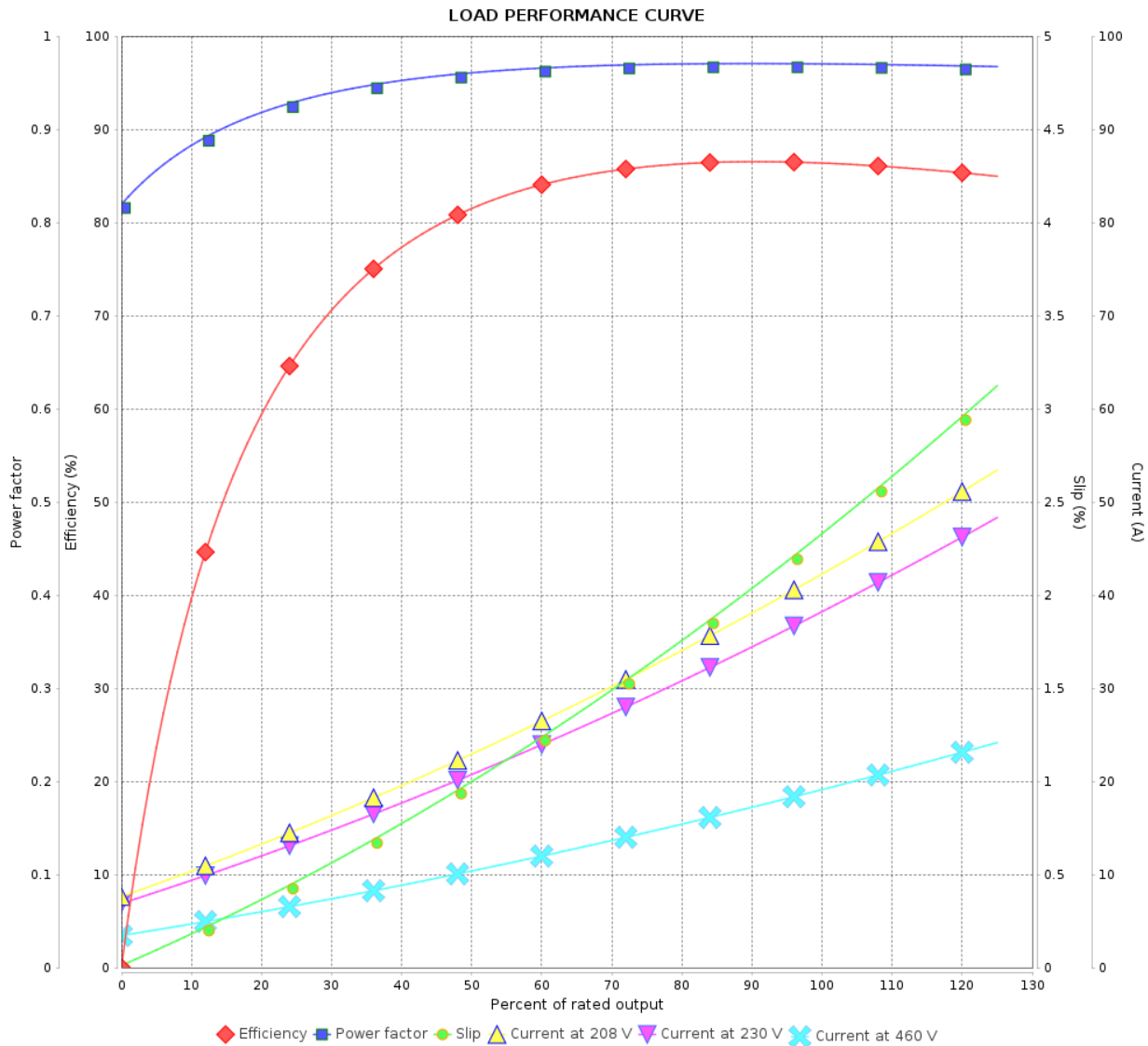
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Customer : _____

Product line : W22 Single-Phase

Product code : 14422106



Performance : 208-230/460 V 60 Hz 2P

Rated current : 41.8-38.8/19.4 A
 LRC : 7.0
 Rated torque : 2.06 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 290 %
 Rated speed : 3515 rpm

Moment of inertia (J) : 0.0223 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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