

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Rolled Steel Grain Dryer Single-Phase		Product code : 13976275	
Frame	:	182/4TZ	Locked rotor time	: 12s (cold) 7s (hot)	
Output	:	5 HP (3.7 kW)	Temperature rise	: 105 K	
Frequency	:	60 Hz	Duty cycle	: Cont.(S1)	
Rated voltage	:	230 V	Ambient temperature	: -20°C to +40°C	
Poles	:	2	Altitude	: 1000 m.a.s.l.	
Rated current	:	19.8 A	Protection degree	: IP55	
	:	11.3x(Code M)	Cooling method	: IC418 - TEAO	
Rated speed	:	3547 rpm	Mounting	: F-3	
Rated torque	:	1.02 kgfm	Rotation ¹	: Both (CW and CCW)	
Insulation class	:	F	Noise level ²	: 72.0 dB(A)	
Service factor	:	1.00	Starting method	: Direct On Line	
			Approx. weight ³	: 37.6 kg	
Output	25%	50%	75%	100%	
Efficiency (%)	70.7	73.4	79.9	82.9	
Power Factor	0.71	0.95	0.97	0.98	
Foundation loads					
Max. traction		: 65 kgf			
Max. compression		: 103 kgf			
Bearing type		: <u>Drive end</u>	: <u>Non drive end</u>		
Sealing		: 6206 ZZ	: 6205 ZZ		
Lubrication interval		: V'Ring	: Without Bearing Seal		
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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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LOAD PERFORMANCE CURVE

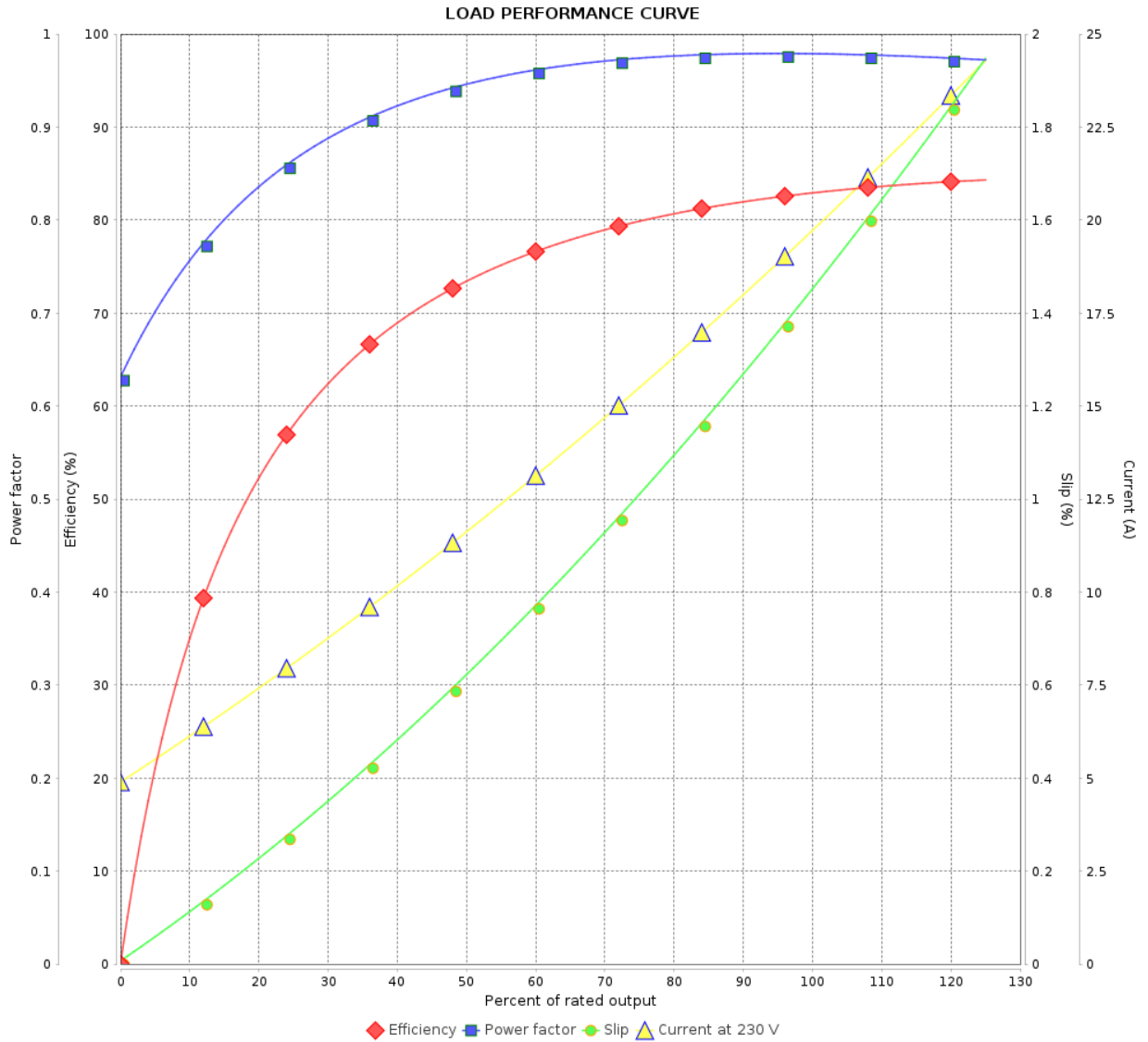
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Product code : 13976275



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