

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Centrifugal Pump Single-Phase Start Capacitor			Product code : 10486811			
Frame	: G56HJ			Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 3 HP (2.2 kW)			Temperature rise	: 105 K	
Poles	: 2			Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz			Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230 V			Altitude	: 1000 m.a.s.l.	
Rated current	: 12.0 A			Protection degree	: IP55	
L. R. Amperes	: 93.6 A			Cooling method	: IC411 - TEFC	
LRC	: 7.8x(Code J)			Mounting	: F-1	
No load current	: 2.30 A			Rotation ¹	: CCW	
Rated speed	: 3490 rpm			Starting method	: Direct On Line	
Slip	: 3.06 %			Approx. weight ³	: 23.3 kg	
Rated torque	: 0.624 kgfm					
Locked rotor torque	: 250 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0040 kgm ²					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	75.3	77.0	82.5	84.0	Max. traction : 44 kgf	
Power Factor	0.75	0.96	0.97	0.97	Max. compression : 68 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:		6204 2RS		6203 2RS	
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.			
Rev.	Changes Summary			Performed	Checked	Date
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Date	14/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

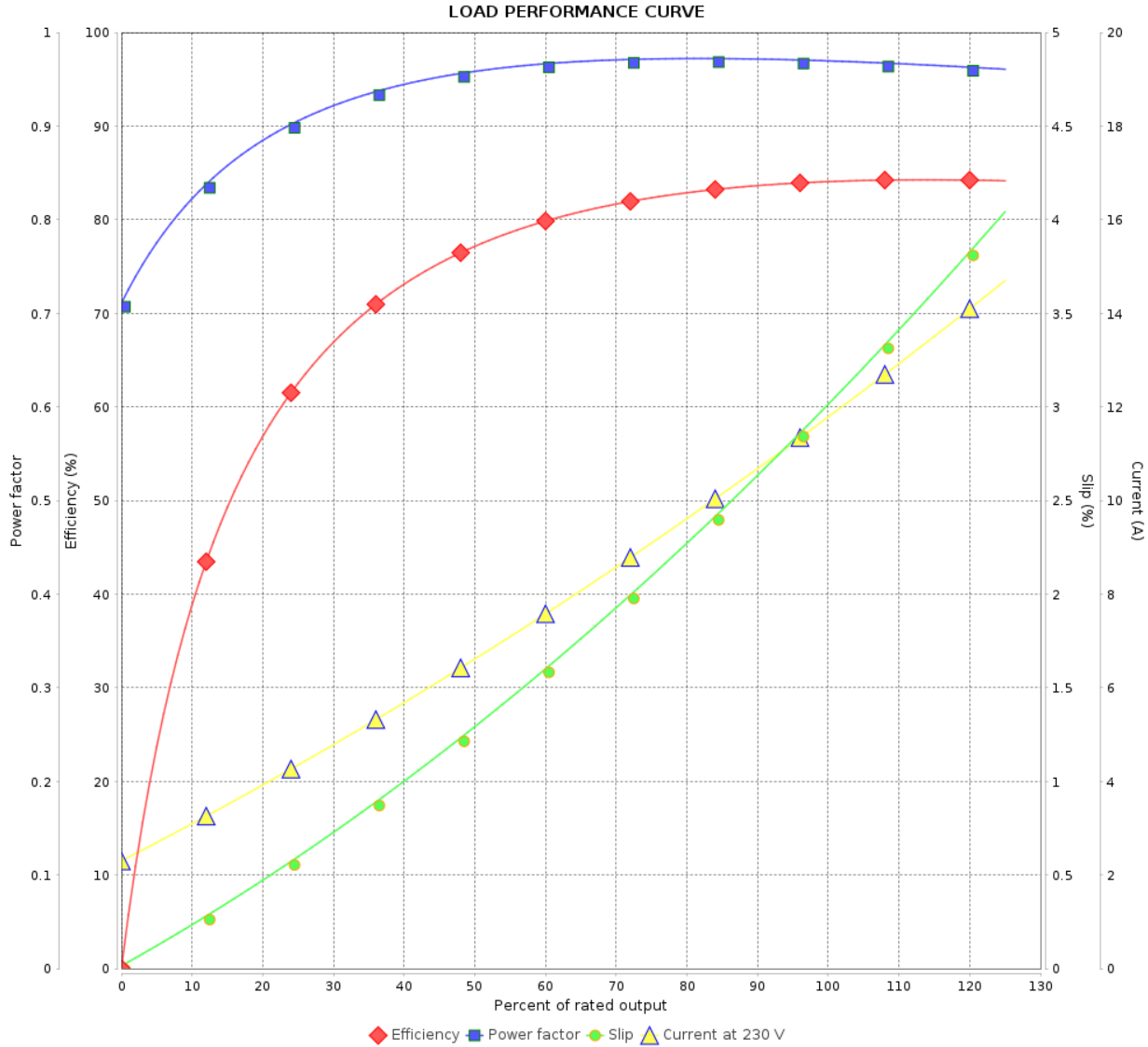
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10486811



Performance : 230 V 60 Hz 2P

Rated current : 12.0 A
 LRC : 7.8
 Rated torque : 0.624 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 3490 rpm

Moment of inertia (J) : 0.0040 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 105 K

Rev.	Changes Summary	Performed	Checked	Date
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