

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Centrifugal Pump Single-Phase			Product code : 10803176		
Frame	: F56HJ		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 2 HP (1.5 kW)		Temperature rise	: 80 K	
Poles	: 2		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 115/208-230 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 20.0/10.6-10.0 A		Protection degree	: IP55	
L. R. Amperes	: 140/74.2-70.0 A		Cooling method	: IC411 - TEFC	
LRC	: 7.0x(Code K)		Mounting	: F-1	
No load current	: 9.00/0.000-4.50 A		Rotation ¹	: CCW	
Rated speed	: 3470 rpm		Noise level ²	: 55.0 dB(A)	
Slip	: 3.61 %		Starting method	: Direct On Line	
Rated torque	: 0.418 kgfm		Approx. weight ³	: 20.0 kg	
Locked rotor torque	: 250 %				
Breakdown torque	: 240 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0033 kgm ²				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	69.0	73.0	74.0	
Power Factor	0.00	0.72	0.81	0.87	
Foundation loads					
Max. traction : 22 kgf					
Max. compression : 42 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6204 2RS	6203 2RS		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	0 h	0 h		
Lubricant amount	:	0 g	0 g		
Lubricant type	:	Mobil Polyrex EM			
Notes:					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	14/01/2024			Page	Revision
				1 / 2	

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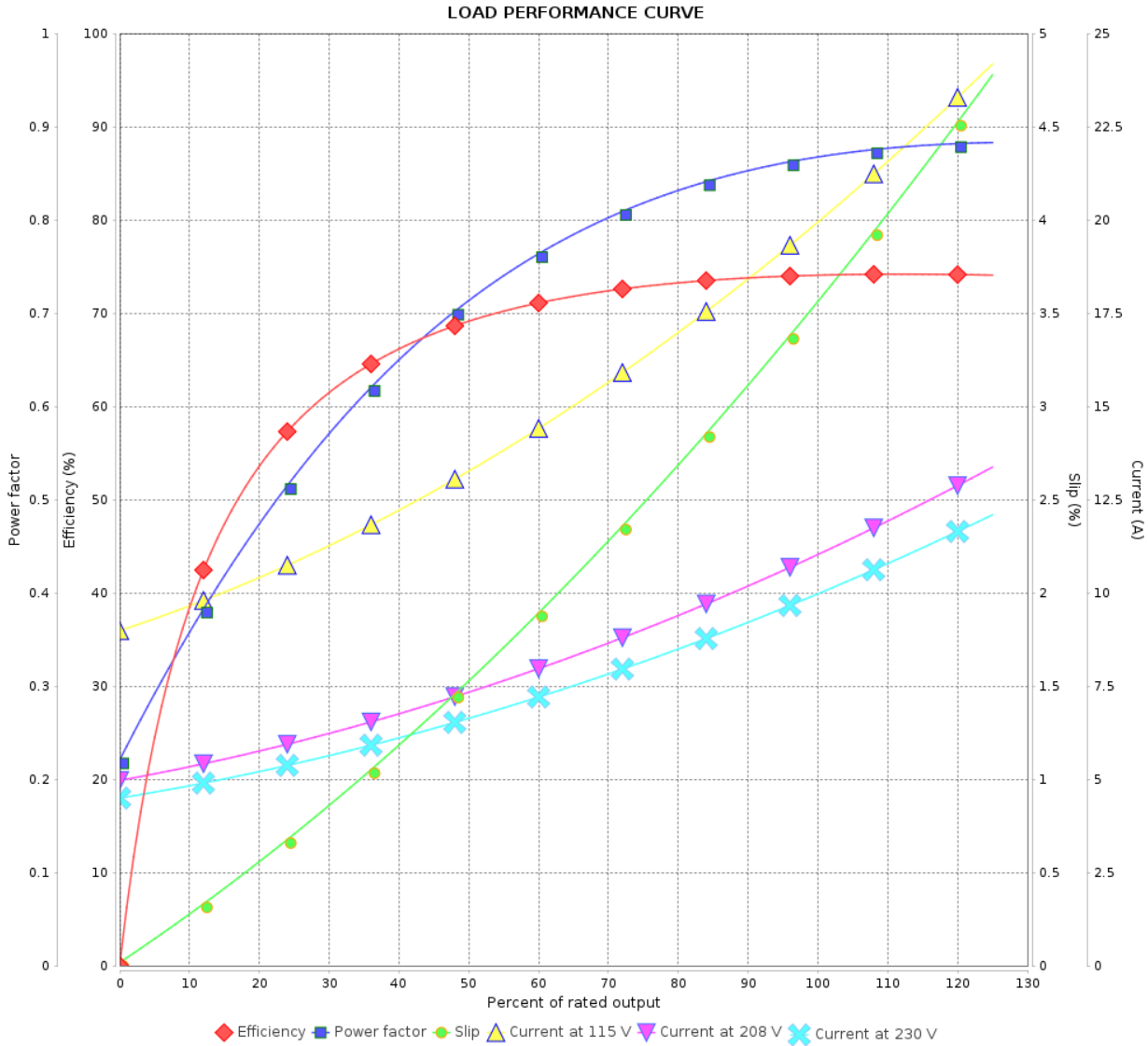
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase

Product code : 10803176



Performance : 115/208-230 V 60 Hz 2P

Rated current : 20.0/10.6-10.0 A
 LRC : 7.0
 Rated torque : 0.418 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 240 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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