

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Wjet Pump Single-Phase Start Capacitor		Product code : 10597689	
Frame	: W56C		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.5 HP (0.37 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	: 9.30/3.90-4.65 A		Protection degree	: IP21	
L. R. Amperes	: 42.8/17.9-21.4 A		Cooling method	: IC01 - ODP	
LRC	: 4.6x(Code L)		Mounting	: F-1	
No load current	: 7.10/3.06-3.55 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3465 rpm		Starting method	: Direct On Line	
Slip	: 3.75 %		Approx. weight ²	: 9.1 kg	
Rated torque	: 0.105 kgfm				
Locked rotor torque	: 190 %				
Breakdown torque	: 290 %				
Insulation class	: B				
Service factor	: 1.60				
Moment of inertia (J)	: 0.0080 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	44.8	53.5	58.0	Max. traction : 5 kgf	
Power Factor	0.47	0.55	0.63	Max. compression : 14 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 2RS		6202 2RS	
Sealing	:	Slinger		Without Bearing Seal	
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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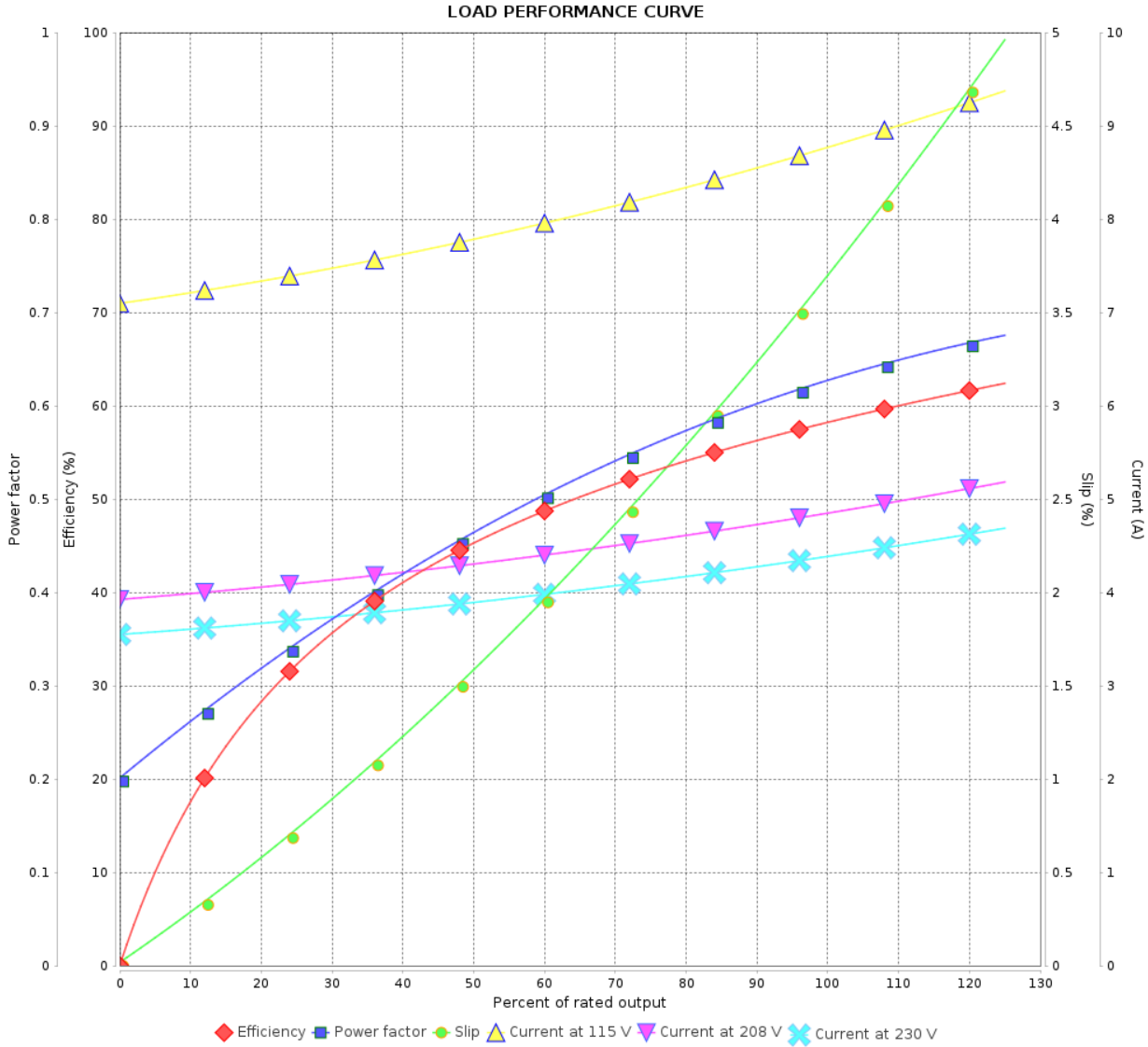
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Single-Phase Start Capacitor Product code : 10597689



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

Rated current	: 9.30/3.90-4.65 A	Moment of inertia (J)	: 0.0080 kgm ²
LRC	: 4.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.105 kgfm	Insulation class	: B
Locked rotor torque	: 190 %	Service factor	:
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3465 rpm		

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