

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Wjet Pump Single-Phase Start Capacitor Product code : 10020160

Frame	: W56	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.33 HP (0.25 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	: 7.00/3.10-3.50 A	Protection degree	: IP21
L. R. Amperes	: 28.0/12.4-14.0 A	Cooling method	: IC01 - ODP
LRC	: 4.0x(Code L)	Mounting	: F-1
No load current	: 6.10/2.63-3.05 A	Rotation <sup>1</sup>	: CCW
Rated speed	: 3445 rpm	Starting method	: Direct On Line
Slip	: 4.31 %	Approx. weight <sup>3</sup>	: 7.9 kg
Rated torque	: 0.070 kgfm		
Locked rotor torque	: 270 %		
Breakdown torque	: 270 %		
Insulation class	: B		
Service factor	: 1.75		
Moment of inertia (J)	: 0.0062 kgm <sup>2</sup>		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	35.0	43.1	48.3	Max. traction	: 2 kgf
Power Factor	0.48	0.55	0.62	Max. compression	: 10 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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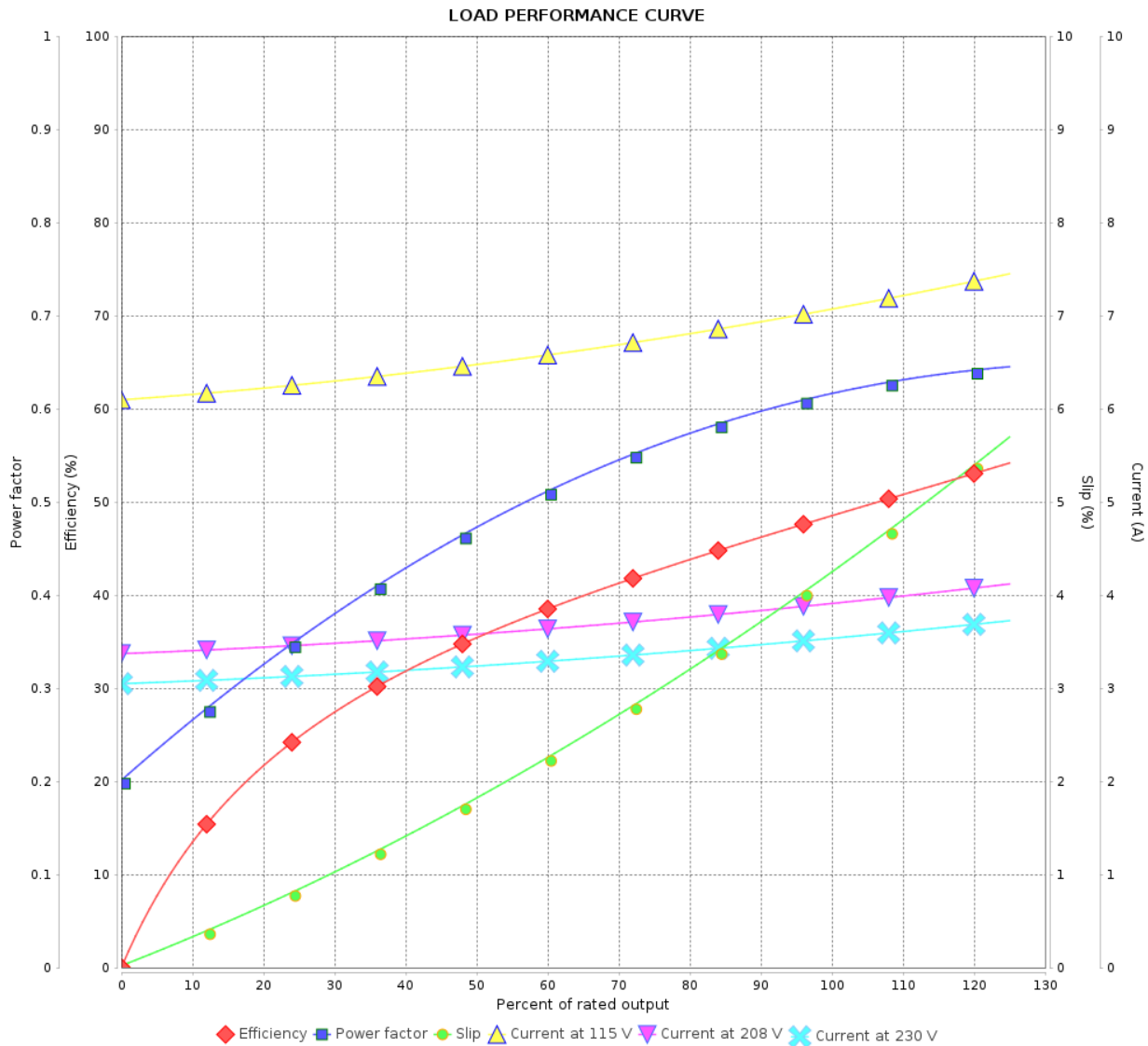
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Single-Phase Start Capacitor Product code : 10020160



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

Rated current : 7.00/3.10-3.50 A  
 LRC : 4.0  
 Rated torque : 0.070 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 270 %  
 Rated speed : 3445 rpm

Moment of inertia (J) : 0.0062 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

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