

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Jet Pump - J type Single-Phase	Product code :	13608553		
Frame	: 56J	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: CCW		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 17.1 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0030 kgm ²		
Design	: L				
Output [HP]	2				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	17.5/9.62-8.73				
L. R. Amperes [A]	136/75.0-68.1				
LRC [A]	7.8x(Code J)				
No load current [A]	5.00/2.16-2.50				
Rated speed [RPM]	3495				
Slip [%]	2.92				
Rated torque [kgfm]	0.415				
Locked rotor torque [%]	220				
Breakdown torque [%]	250				
Service factor					
Temperature rise	80 K				
Locked rotor time	10s (cold) 6s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	68.0			
	50%	70.0			
	75%	75.0			
	100%	77.0			
Power Factor	25%	0.67			
	50%	0.94			
	75%	0.97			
	100%	0.97			
Bearing type	: Drive end	6203 2RS	Non drive end	6202 2RS	
Sealing	: V'Ring		V'Ring		
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction : 25 kgf				
	Max. compression : 42 kgf				
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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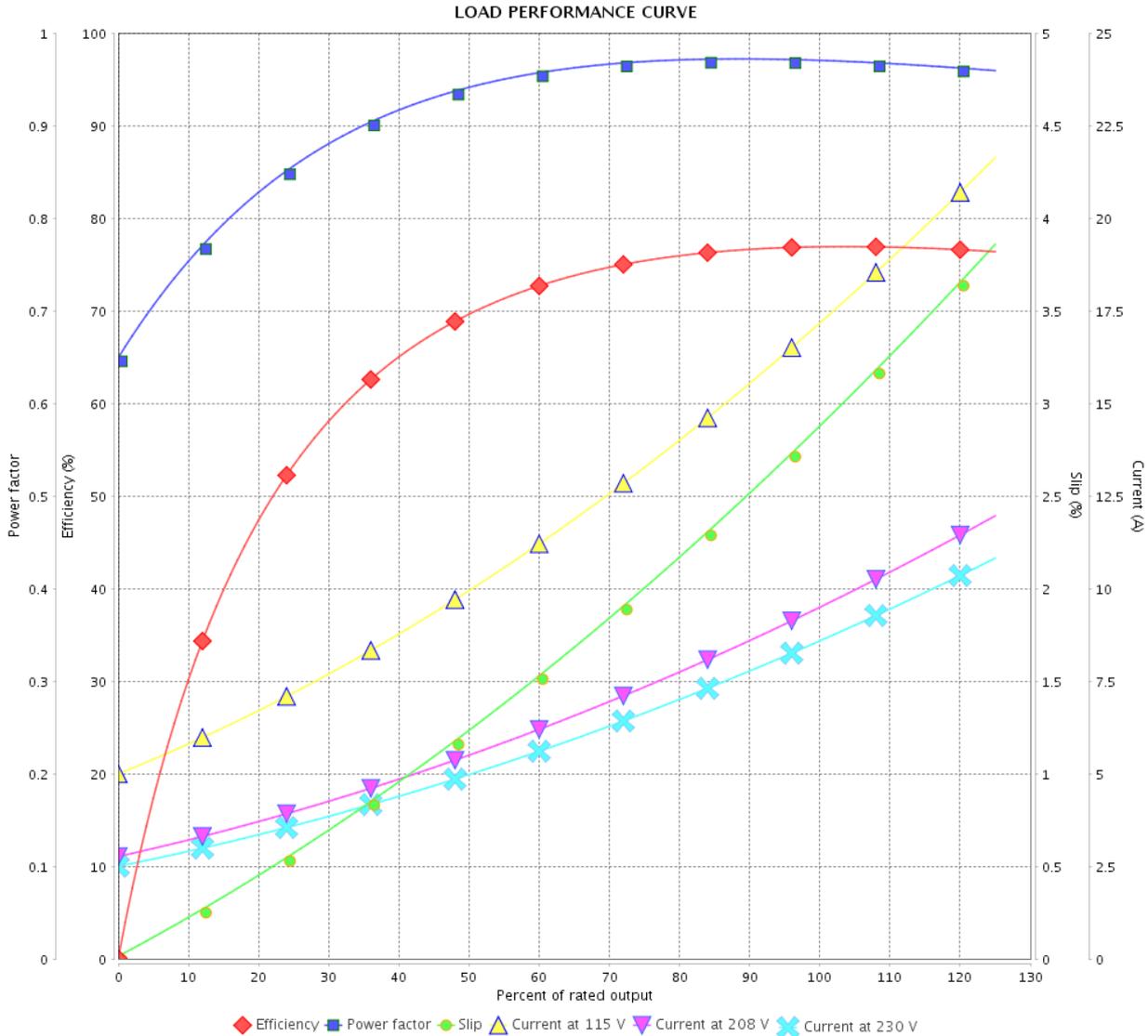
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13608553



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

Rated current : 17.5/9.62-8.73 A
 LRC : 7.8
 Rated torque : 0.415 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 3495 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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