

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13988325		
Frame	: 56H	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 21.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0082 kgm ²		
Design	: L			
Output [HP]		1		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		11.0/6.08-5.50		
L. R. Amperes [A]		67.1/37.1-33.5		
LRC [A]		6.1x(Code J)		
No load current [A]		5.60/2.41-2.80		
Rated speed [RPM]		1165		
Slip [%]		2.92		
Rated torque [kgfm]		0.623		
Locked rotor torque [%]		180		
Breakdown torque [%]		200		
Service factor				
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level ²		54.0 dB(A)		
Efficiency (%)	25%			
	50%	64.0		
	75%	71.0		
	100%	73.0		
Power Factor	25%			
	50%	0.68		
	75%	0.77		
	100%	0.81		
Bearing type	: Drive end : 6204 ZZ Non drive end : 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 28 kgf		
Lubrication interval	: - -	Max. compression : 50 kgf		
Lubricant amount	: - -			
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>		
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LOAD PERFORMANCE CURVE

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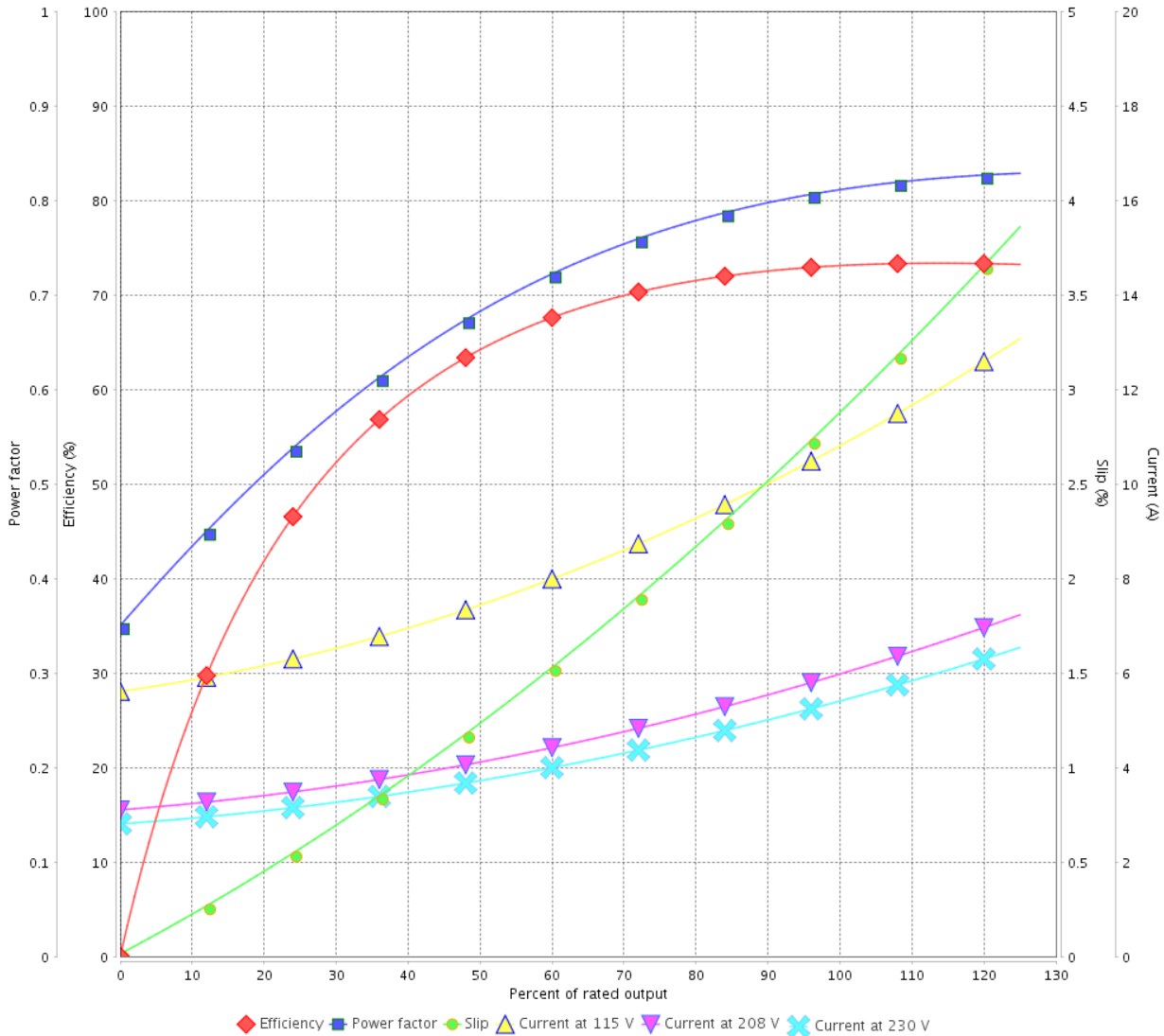


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Performance : 115/208-230 V 60 Hz 6P

Rated current : 11.0/6.08-5.50 A
 LRC : 6.1
 Rated torque : 0.623 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 200 %
 Rated speed : 1165 rpm

Moment of inertia (J) : 0.0082 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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