

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: 00022 Single-Phase	Product code :	12884005		
Frame	: W56	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	: 9.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0020 kgm ²		
Design	: N				
Output [HP]	0.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/230				
Rated current [A]	8.00/4.00				
L. R. Amperes [A]	45.6/22.8				
LRC [A]	5.7x(Code M)				
No load current [A]	6.60/3.30				
Rated speed [RPM]	1730				
Slip [%]	3.89				
Rated torque [kgfm]	0.210				
Locked rotor torque [%]	320				
Breakdown torque [%]	270				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	18s (cold) 10s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%	48.5			
	50%	52.0			
	75%	59.0			
	100%	64.0			
Power Factor	25%	0.25			
	50%	0.44			
	75%	0.54			
	100%	0.63			
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	: 13 kgf	
			Max. compression	: 23 kgf	
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

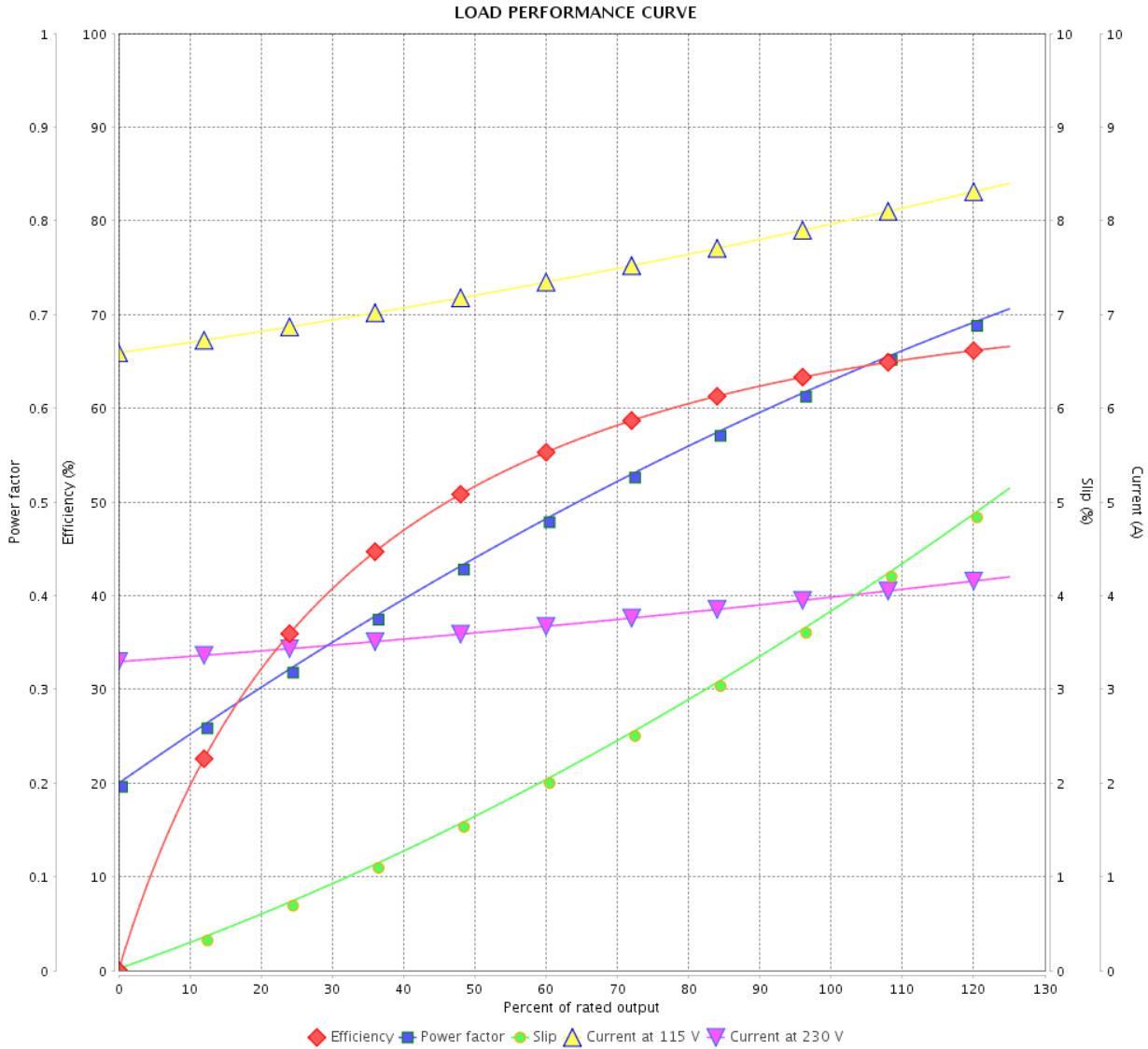
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : 00022 Single-Phase

Product code : 12884005



Performance : 115/230 V 60 Hz 4P

Rated current : 8.00/4.00 A
 LRC : 5.7
 Rated torque : 0.210 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : N

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