

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Three-Phase	Product code : 13997238		
Frame	: 56HC	Cooling method : IC01 - ODP		
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 : 16.3 kg		
Design	: A	Moment of inertia (J) : 0.0049 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.94		
L. R. Amperes [A]		17.2		
LRC [A]		8.9x(Code K)		
No load current [A]		0.734		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.414		
Locked rotor torque [%]		220		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	85.5		
	100%	85.5		
Power Factor	25%			
	50%	0.77		
	75%	0.86		
	100%	0.91		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 35 kgf Max. compression : 52 kgf		
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

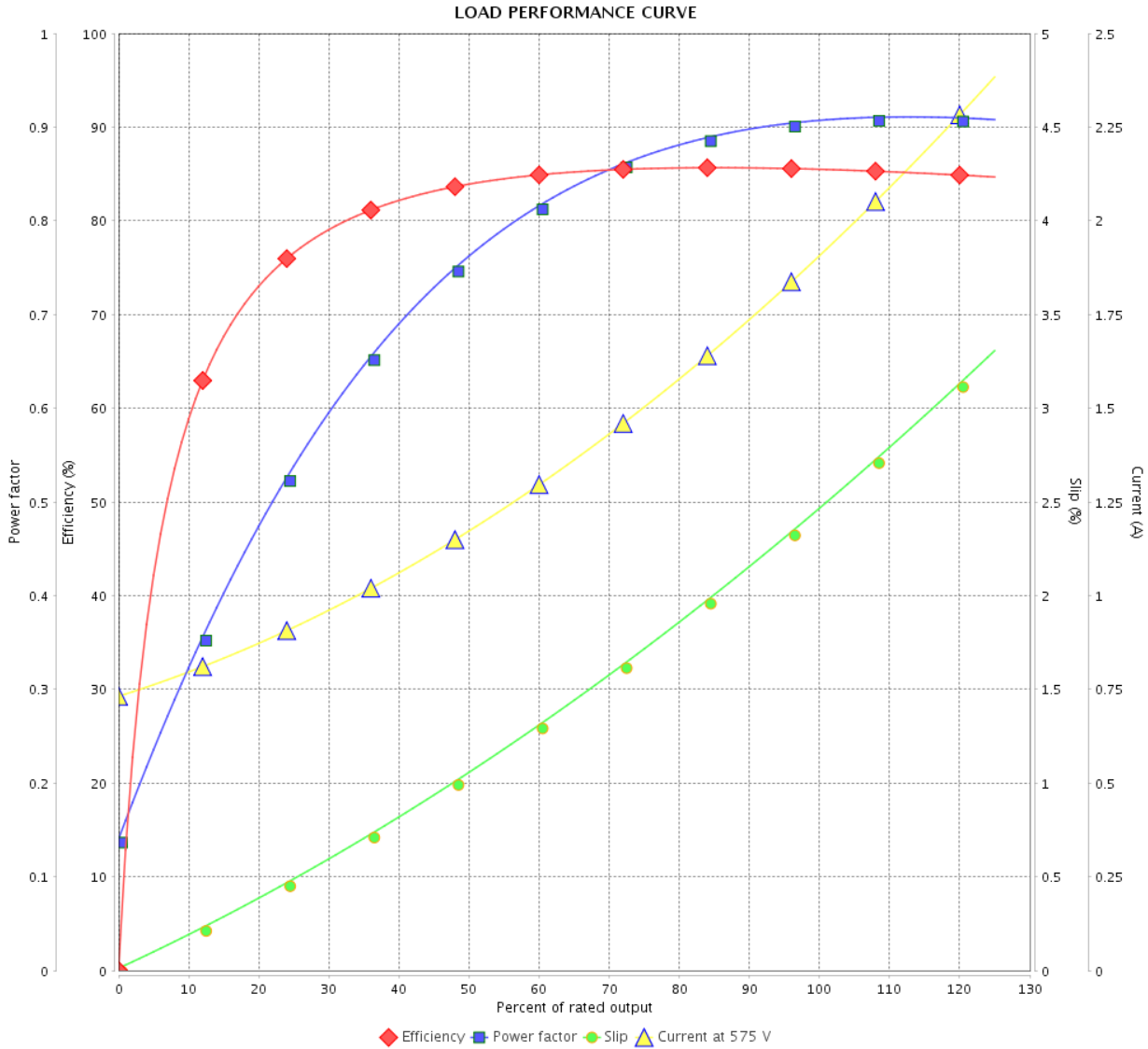
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13997238



Performance : 575 V 60 Hz 2P

Rated current : 1.94 A
 LRC : 8.9
 Rated torque : 0.414 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0049 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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