

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Premium Efficiency Three-Phase	Product code : 15506685		
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 : 20.4 kg		
Design	: A	Moment of inertia (J) : 0.0060 kgm ²		
Output [HP]		3		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		3.18		
L. R. Amperes [A]		24.1		
LRC [A]		7.6x(Code K)		
No load current [A]		1.68		
Rated speed [RPM]		1735		
Slip [%]		3.61		
Rated torque [kgfm]		1.25		
Locked rotor torque [%]		270		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		21s (cold) 12s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	86.5		
	75%	86.5		
	100%	86.9		
Power Factor	25%			
	50%	0.59		
	75%	0.72		
	100%	0.80		
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 : 111 kgf Max. compression : 131 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.		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

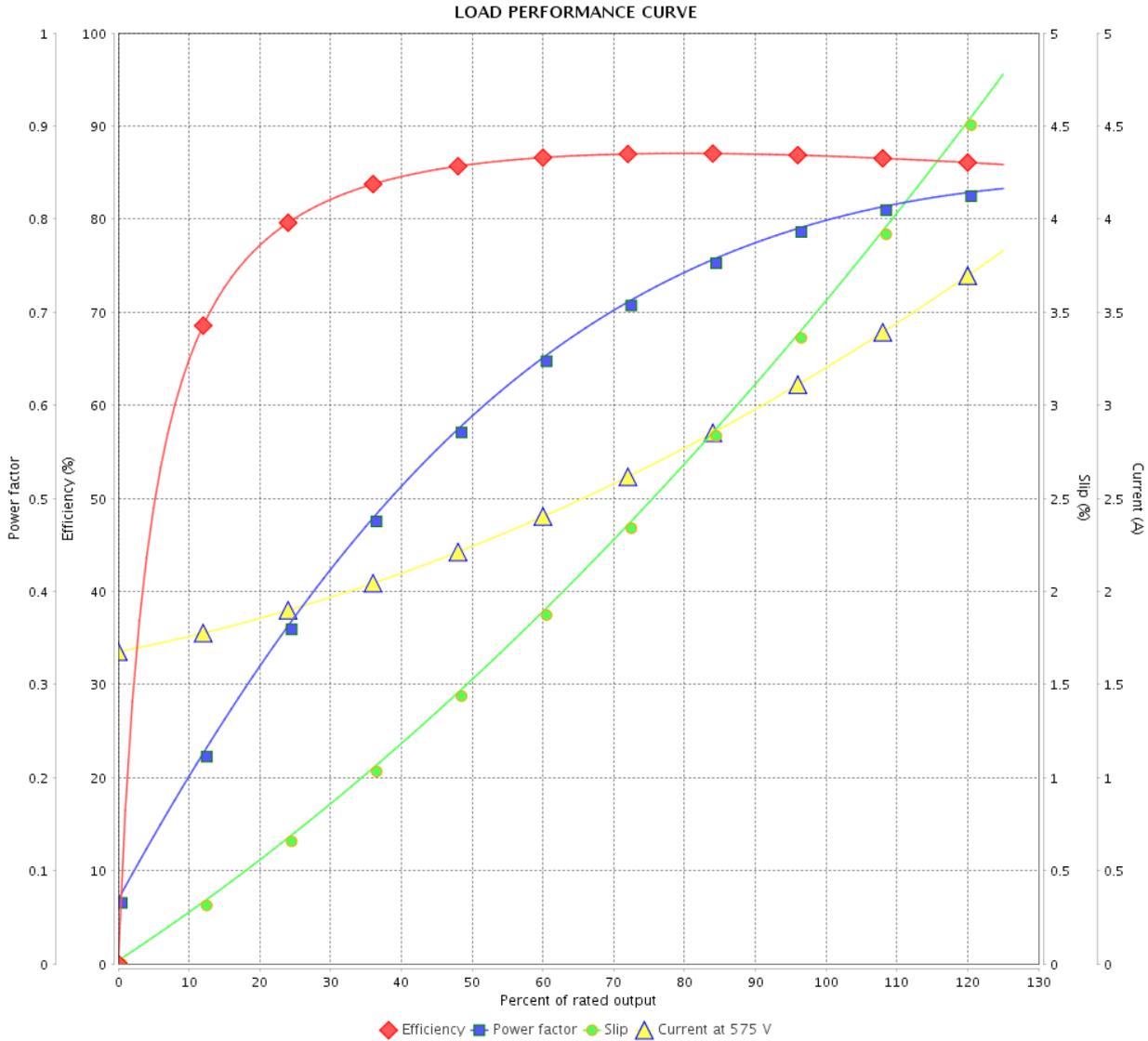
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 15506685



Performance : 575 V 60 Hz 4P

Rated current : 3.18 A
 LRC : 7.6
 Rated torque : 1.25 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			