

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Three-Phase	Product code :	13702730		
Frame	: 56HC	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	: 19.2 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0055 kgm ²		
Design	: B				
Output [HP]	2				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	2.18				
L. R. Amperes [A]	17.8				
LRC [A]	8.2x(Code K)				
No load current [A]	1.12				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.832				
Locked rotor torque [%]	270				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	85.5			
	75%	87.5			
	100%	86.5			
Power Factor	25%				
	50%	0.60			
	75%	0.73			
	100%	0.80			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: 6204 ZZ	6202 ZZ	Max. traction	: 71 kgf	
Lubrication interval	: V'Ring	V'Ring	Max. compression	: 90 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>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

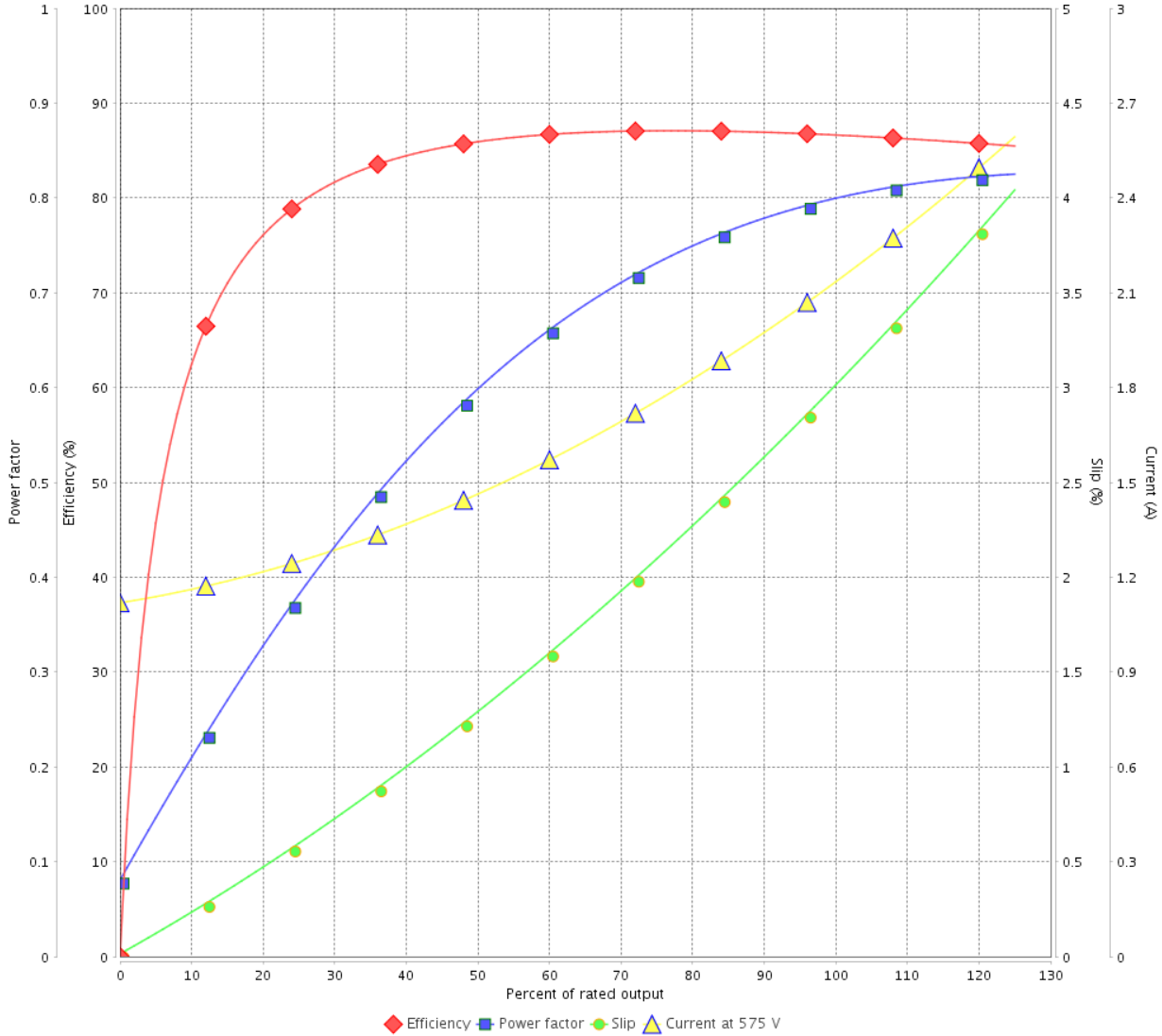


Customer : _____

Product line : Three-Phase

Product code : 13702730

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 2.18 A
 LRC : 8.2
 Rated torque : 0.832 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0055 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/05/2022			