

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	13760945
Frame	: W56C	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	: 10.4 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0024 kgm ²	
Output [HP]	0.5			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.792			
L. R. Amperes [A]	3.48			
LRC [A]	4.4x(Code H)			
No load current [A]	0.620			
Rated speed [RPM]	1130			
Slip [%]	5.83			
Rated torque [kgfm]	0.321			
Locked rotor torque [%]	200			
Breakdown torque [%]	240			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level ²	48.0 dB(A)			
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	68.0		
Power Factor	25%			
	50%	0.47		
	75%	0.59		
	100%	0.69		
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 19 kgf	
Lubrication interval	: -	-	Max. compression : 30 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
Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

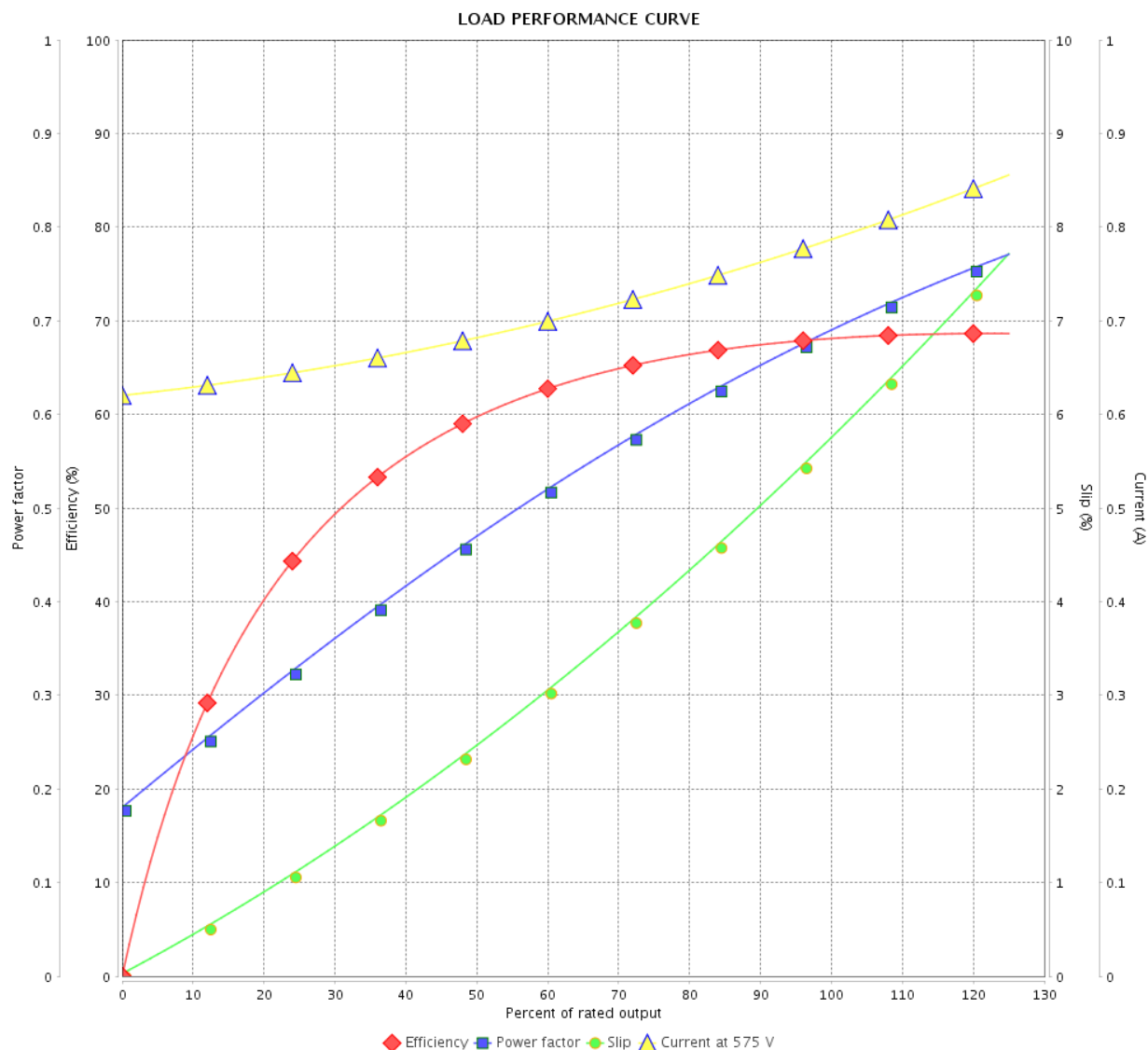
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13760945



Performance : 575 V 60 Hz 6P

Rated current : 0.792 A
 LRC : 4.4
 Rated torque : 0.321 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Rated speed : 1130 rpm

Moment of inertia (J) : 0.0024 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		<div style="display: flex; justify-content: space-between;"> <div>Page 2 / 2</div> <div>Revision</div> </div>		
Checked by				
Date	13/05/2022			

