

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Standard Efficiency Three-Phase	Product code :	12894791		
Frame	: 56C	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	: 12.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0033 kgm ²		
Design	: A				
Output [HP]	1.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.59				
L. R. Amperes [A]	11.5				
LRC [A]	7.2x(Code J)				
No load current [A]	0.652				
Rated speed [RPM]	3460				
Slip [%]	3.89				
Rated torque [kgfm]	0.315				
Locked rotor torque [%]	240				
Breakdown torque [%]	270				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	70.4			
	50%	72.0			
	75%	75.5			
	100%	77.0			
Power Factor	25%	0.49			
	50%	0.76			
	75%	0.85			
	100%	0.90			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction	: 21 kgf			
	Max. compression	: 33 kgf			
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	13/05/2022			1 / 2	

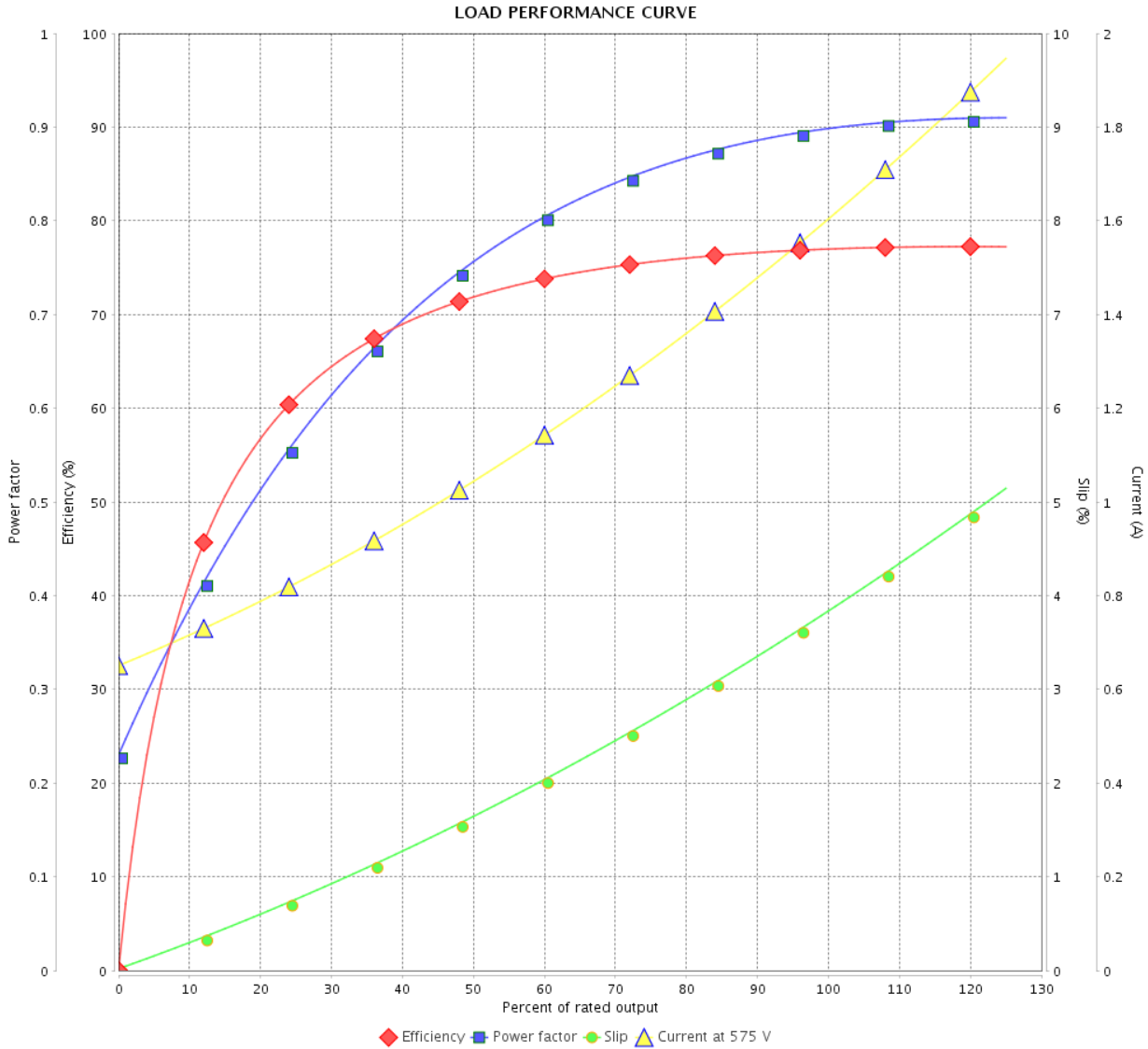
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894791



Performance : 575 V 60 Hz 2P

Rated current	: 1.59 A	Moment of inertia (J)	: 0.0033 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.315 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3460 rpm	Design	: A

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