

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 14453335		
Frame : W56	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : F-1	
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line	
Altitude : 1000 m.a.s.l.	Protection degree : IP55	Approx. weight ³ : 8.2 kg	Moment of inertia (J) : 0.0008 kgm ²	
Output [HP]	0.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.627			
L. R. Amperes [A]	4.83			
LRC [A]	7.7x(Code L)			
No load current [A]	0.334			
Rated speed [RPM]	3435			
Slip [%]	4.58			
Rated torque [kgfm]	0.106			
Locked rotor torque [%]	330			
Breakdown torque [%]	360			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	32s (cold) 18s (hot)			
Noise level ²	65.0 dB(A)			
Efficiency (%)	25%			
	50%	68.0		
	75%	72.0		
	100%	74.0		
Power Factor	25%			
	50%	0.64		
	75%	0.75		
	100%	0.80		
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 8 kgf	
Lubrication interval	: -	-	Max. compression : 16 kgf	
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
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

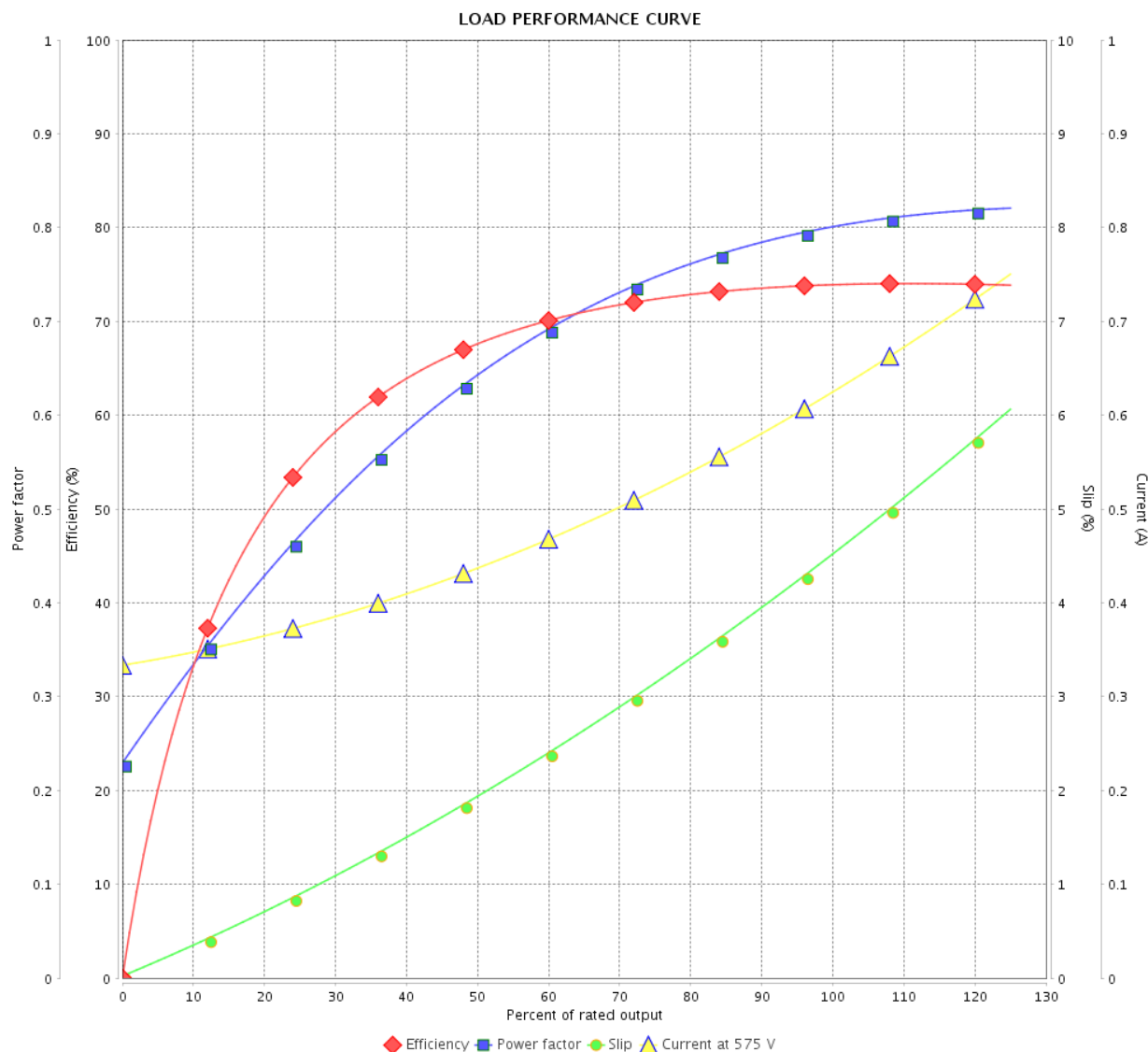
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14453335



Performance : 575 V 60 Hz 2P

Rated current : 0.627 A
 LRC : 7.7
 Rated torque : 0.106 kgfm
 Locked rotor torque : 330 %
 Breakdown torque : 360 %
 Rated speed : 3435 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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

