

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Standard Efficiency Three-Phase	Product code :	14136431		
Frame	: W56	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 ²	: 5.8 kg		
		Moment of inertia (J)	: 0.0010 kgm ²		
Output [HP]	0.25				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.415				
L. R. Amperes [A]	1.95				
LRC [A]	4.7x(Code J)				
No load current [A]	0.359				
Rated speed [RPM]	1730				
Slip [%]	3.89				
Rated torque [kgfm]	0.105				
Locked rotor torque [%]	210				
Breakdown torque [%]	270				
Service factor	1.35				
Temperature rise	80 K				
Locked rotor time	54s (cold) 30s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	52.5			
	75%	59.5			
	100%	64.0			
Power Factor	25%				
	50%	0.47			
	75%	0.58			
	100%	0.68			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: Without	Without	Max. traction	: 6 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 12 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	

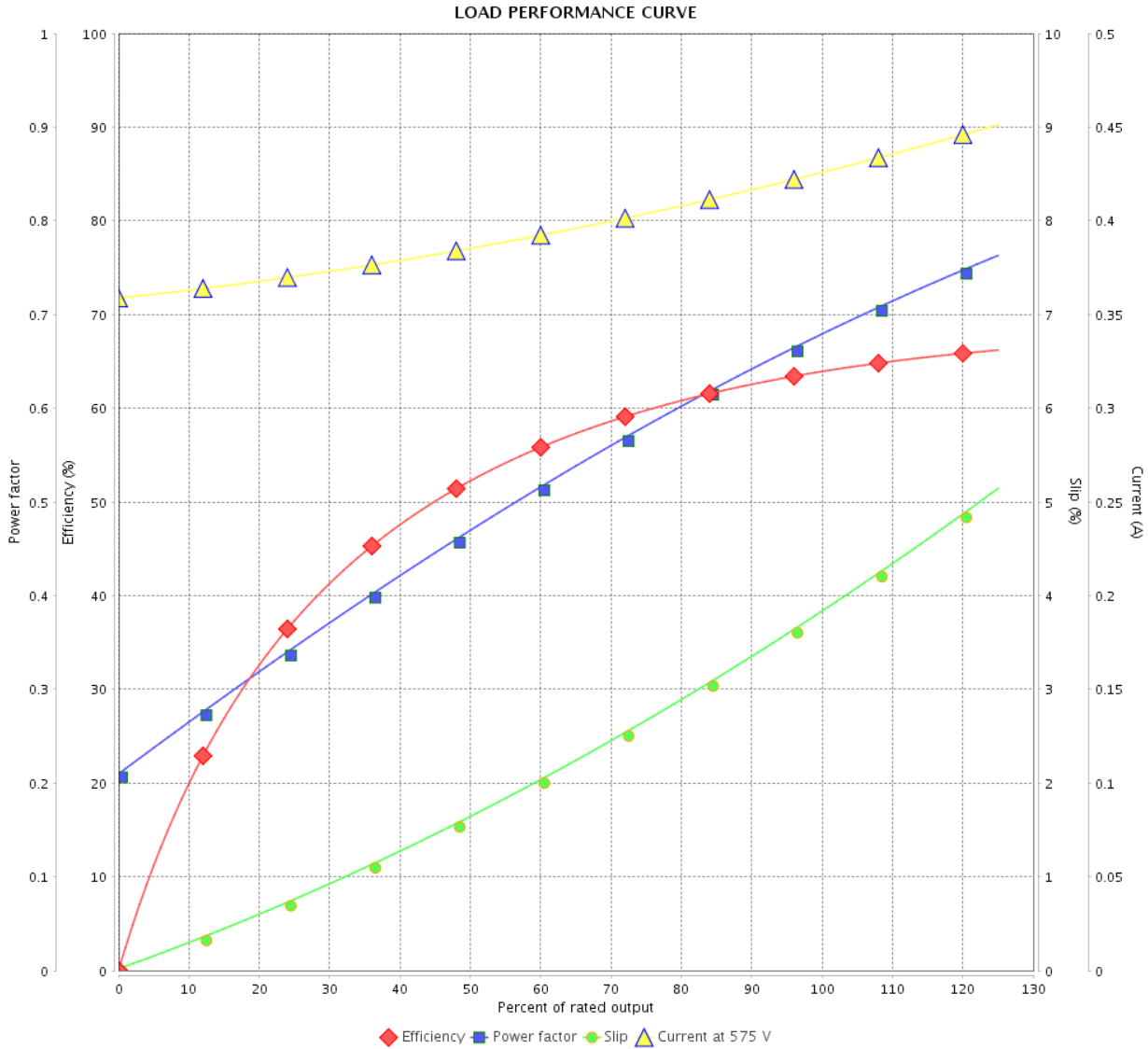
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14136431



Performance : 575 V 60 Hz 4P

Rated current : 0.415 A
 LRC : 4.7
 Rated torque : 0.105 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.35
 Temperature rise : 80 K

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

