

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:					
Product line	:	W40 NEMA Premium Efficiency Three-Phase	Product code :	14427707		
Frame	:	364/5TSC	Locked rotor time	:	23s (cold) 13s (hot)	
Output	:	100 HP (75 kW)	Temperature rise	:	80 K	
Poles	:	2	Duty cycle	:	Cont.(S1)	
Frequency	:	60 Hz	Ambient temperature	:	-20°C to +40°C	
Rated voltage	:	575 V	Altitude	:	1000 m.a.s.l.	
Rated current	:	92.8 A	Protection degree	:	IP23	
L. R. Amperes	:	612 A	Cooling method	:	IC01 - ODP	
LRC	:	6.6x(Code G)	Mounting	:	F-1	
No load current	:	23.6 A	Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	3555 rpm	Noise level ²	:	84.0 dB(A)	
Slip	:	1.25 %	Starting method	:	Direct On Line	
Rated torque	:	20.4 kgfm	Approx. weight ³	:	342 kg	
Locked rotor torque	:	180 %				
Breakdown torque	:	229 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.3034 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	92.4	93.6	93.6	Max. traction	: 357 kgf	
Power Factor	0.77	0.84	0.87	Max. compression	: 699 kgf	
Bearing type	:	<u>Drive end</u> 6314 C3	<u>Non drive end</u> 6212 Z C3			
Sealing	:	Without Bearing Seal	Without Bearing Seal			
Lubrication interval	:	14418 h	20000 h			
Lubricant amount	:	27 g	13 g			
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	15/01/2024				1 / 2	

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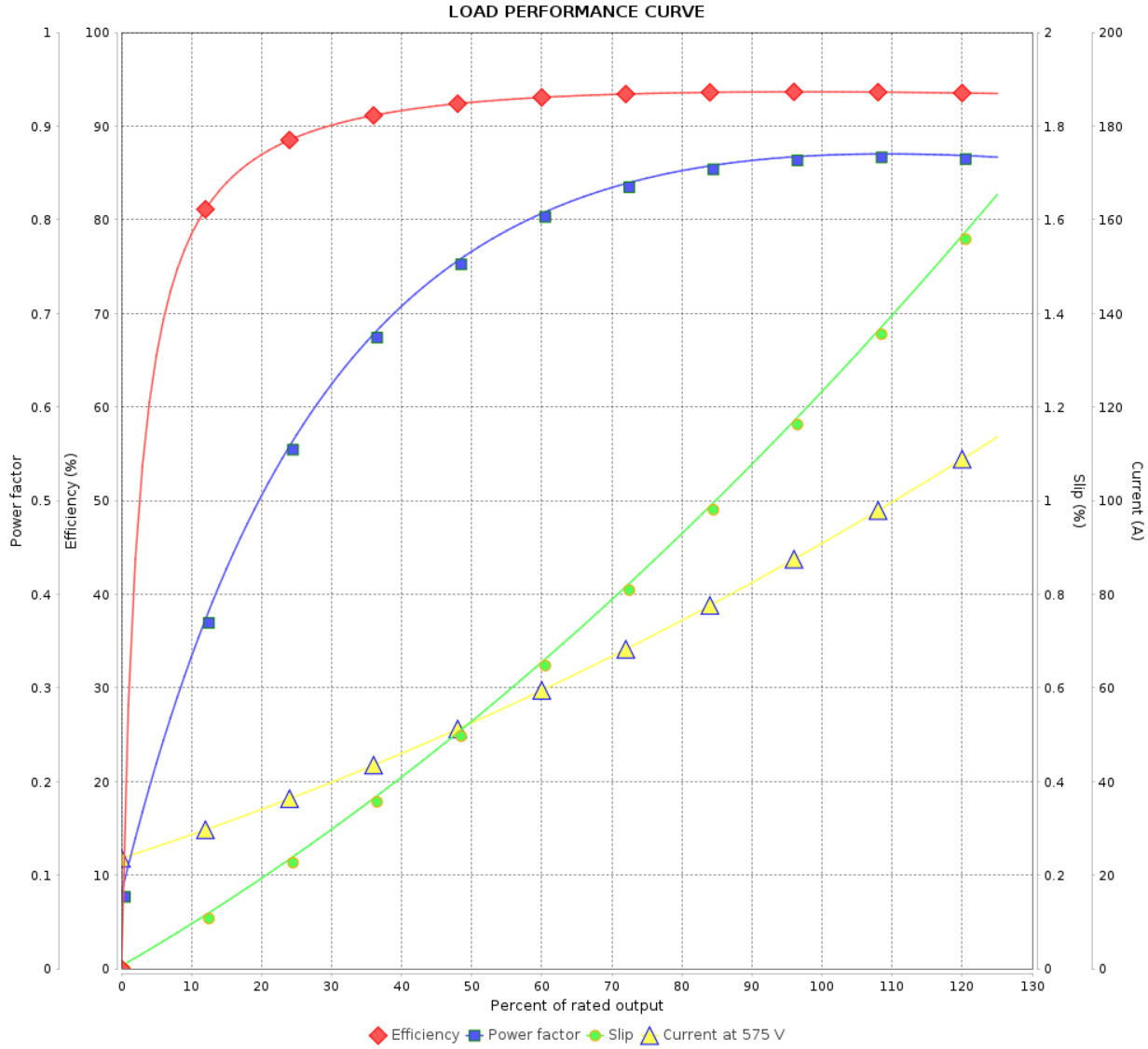
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14427707



Performance : 575 V 60 Hz 2P

Rated current : 92.8 A
 LRC : 6.6
 Rated torque : 20.4 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 229 %
 Rated speed : 3555 rpm

Moment of inertia (J) : 0.3034 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	15/01/2024			