

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 14427831			
Frame	:	404/5TSC		Locked rotor time	:	16s (cold) 9s (hot)	
Output	:	150 HP (110 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	:	134 A		Protection degree	:	IP23	
L. R. Amperes	:	882 A		Cooling method	:	IC01 - ODP	
LRC	:	6.6x(Code G)		Mounting	:	F-1	
No load current	:	32.0 A		Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	3552 rpm		Noise level ²	:	84.0 dB(A)	
Slip	:	1.33 %		Starting method	:	Direct On Line	
Rated torque	:	30.6 kgfm		Approx. weight ³	:	410 kg	
Locked rotor torque	:	200 %					
Breakdown torque	:	250 %					
Insulation class	:	F					
Service factor	:	1.25					
Moment of inertia (J)	:	0.3708 kgm ²					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	93.6	94.1	94.1	Max. traction		: 549 kgf	
Power Factor	0.79	0.86	0.88	Max. compression		: 959 kgf	
				<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6314 C3		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.			
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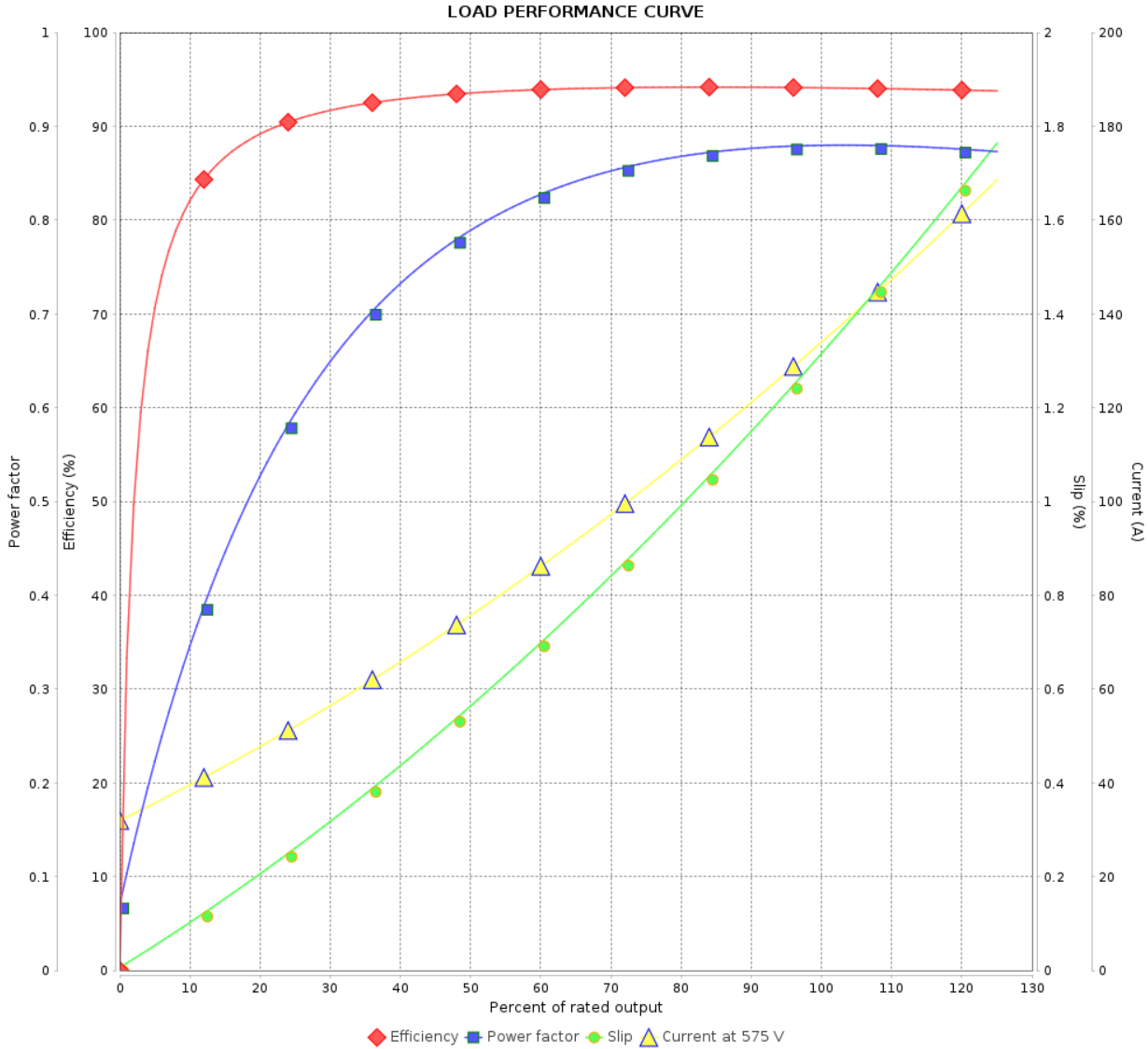
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14427831



Performance : 575 V 60 Hz 2P

Rated current : 134 A
 LRC : 6.6
 Rated torque : 30.6 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Rated speed : 3552 rpm

Moment of inertia (J) : 0.3708 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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