

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 NEMA Premium Efficiency Three-Phase			Product code : 13655495			
Frame	: 447/9TS		Locked rotor time	: 30s (cold) 17s (hot)		
Output	: 300 HP (220 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	: 263 A		Protection degree	: IP23		
L. R. Amperes	: 1710 A		Cooling method	: IC01 - ODP		
LRC	: 6.5x(Code G)		Mounting	: F-1		
No load current	: 59.6 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3565 rpm		Noise level ²	: 87.0 dB(A)		
Slip	: 0.97 %		Starting method	: Direct On Line		
Rated torque	: 61.1 kgfm		Approx. weight ³	: 825 kg		
Locked rotor torque	: 170 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.51 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.8	95.4	95.4	Max. traction : 923 kgf	
Power Factor	0.00	0.82	0.86	0.88	Max. compression : 1748 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6314 C3	6314 C3		6314 C3	
Sealing	:	Without Bearing Seal	Without Bearing Seal		Without Bearing Seal	
Lubrication interval	:	14418 h	14418 h		14418 h	
Lubricant amount	:	27 g	27 g		27 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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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LOAD PERFORMANCE CURVE

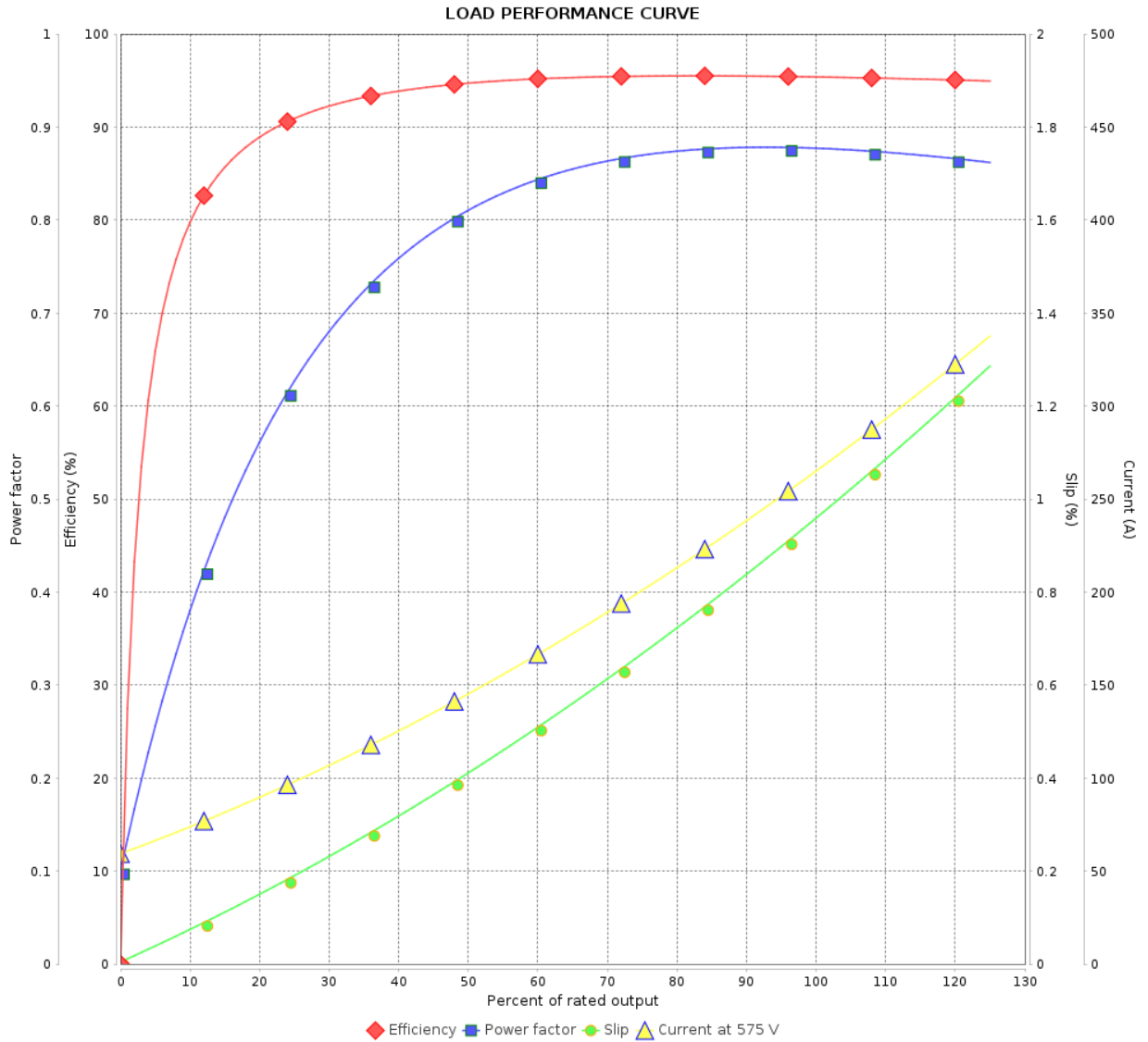
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 13655495



Performance : 575 V 60 Hz 2P

Rated current : 263 A
 LRC : 6.5
 Rated torque : 61.1 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 250 %
 Rated speed : 3565 rpm

Moment of inertia (J) : 1.51 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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