

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 14328455	
Frame	: L215TC		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K	
Poles	: 4		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	: 10.2 A		Protection degree	: IP55	
L. R. Amperes	: 66.0 A		Cooling method	: IC411 - TEFC	
LRC	: 6.5x(Code H)		Mounting	: F-1	
No load current	: 4.40 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1765 rpm		Noise level ²	: 58.0 dB(A)	
Slip	: 1.94 %		Starting method	: Direct On Line	
Rated torque	: 4.11 kgfm		Approx. weight ³	: 106 kg	
Locked rotor torque	: 210 %				
Breakdown torque	: 270 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0563 kgm ²				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	89.4	90.2	91.0	91.7	
Power Factor	0.39	0.62	0.75	0.81	
Foundation loads					
Max. traction : 152 kgf					
Max. compression : 258 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6308 2RS	6207 2RS		
Sealing	:	Oil Seal	Lip Seal		
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.		
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Thermal protection

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

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LOAD PERFORMANCE CURVE

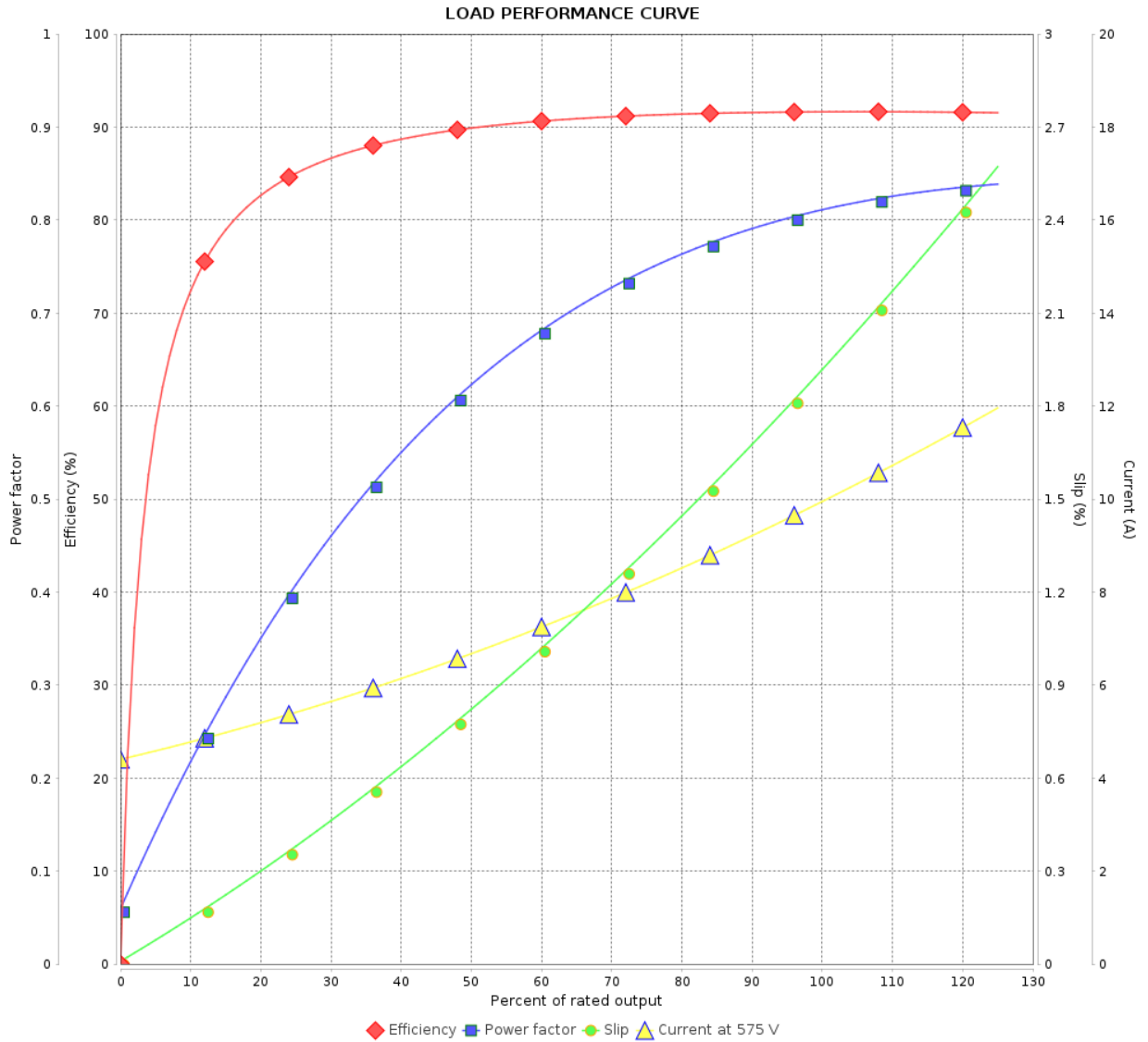
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W21 Explosion Proof NEMA Premium
Efficiency Three-Phase

Product code : 14328455



Performance : 575 V 60 Hz 4P

Rated current : 10.2 A
 LRC : 6.5
 Rated torque : 4.11 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 270 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0563 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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