

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: Explosion Proof Standard Efficiency Three-Phase		Product code : 10730954		
Frame	:	D56EX		Locked rotor time	: 27s (cold) 15s (hot)	
Output	:	1 HP (0.75 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	:	1.20 A		Protection degree	: IP44	
L. R. Amperes	:	7.80 A		Cooling method	: IC411 - TEFC	
LRC	:	6.5x(Code J)		Mounting	: F-1	
No load current	:	0.720 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	:	1740 rpm		Noise level ²	: 55.0 dB(A)	
Slip	:	3.33 %		Starting method	: Direct On Line	
Rated torque	:	0.417 kgfm		Approx. weight ³	: 20.2 kg	
Locked rotor torque	:	280 %				
Breakdown torque	:	320 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0060 kgm ²				
Design	:	A				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	80.0	82.5	84.0	Max. traction	: 33 kgf	
Power Factor	0.53	0.66	0.74	Max. compression	: 53 kgf	
Bearing type	:	<u>Drive end</u>	6203 ZZ	<u>Non drive end</u>	6203 ZZ	
Sealing	:	Without Bearing Seal		Without Bearing 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	130 °C

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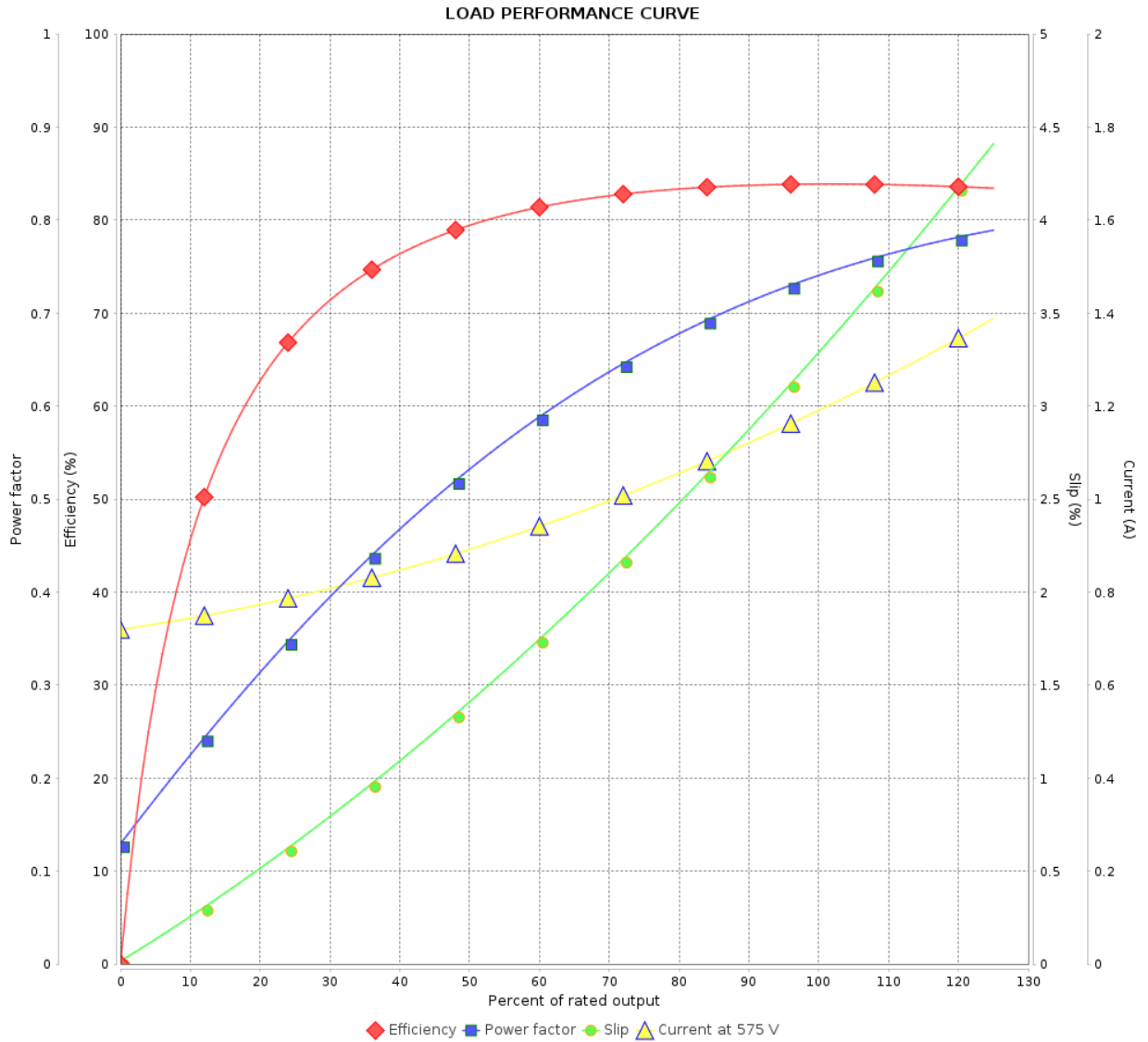
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10730954



Performance : 575 V 60 Hz 4P

Rated current : 1.20 A	Moment of inertia (J) : 0.0060 kgm ²
LRC : 6.5	Duty cycle : Cont.(S1)
Rated torque : 0.417 kgfm	Insulation class : B
Locked rotor torque : 280 %	Service factor : 1.15
Breakdown torque : 320 %	Temperature rise : 80 K
Rated speed : 1740 rpm	Design : A

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