

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code :	12845473
Frame	: 213/5TC	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 64.4 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0451 kgm ²	
Design	: B			
Output [HP]	10			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	9.76			
L. R. Amperes [A]	68.3			
LRC [A]	7.0x(Code H)			
No load current [A]	4.43			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	4.12			
Locked rotor torque [%]	250			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	27s (cold) 15s (hot)			
Noise level ²	60.0 dB(A)			
Efficiency (%)	25%	90.2		
	50%	91.0		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.41		
	50%	0.67		
	75%	0.78		
	100%	0.84		
Bearing type	: Drive end 6208 ZZ	Non drive end 6206 ZZ	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 196 kgf	
Lubrication interval	: -	-	Max. compression : 261 kgf	
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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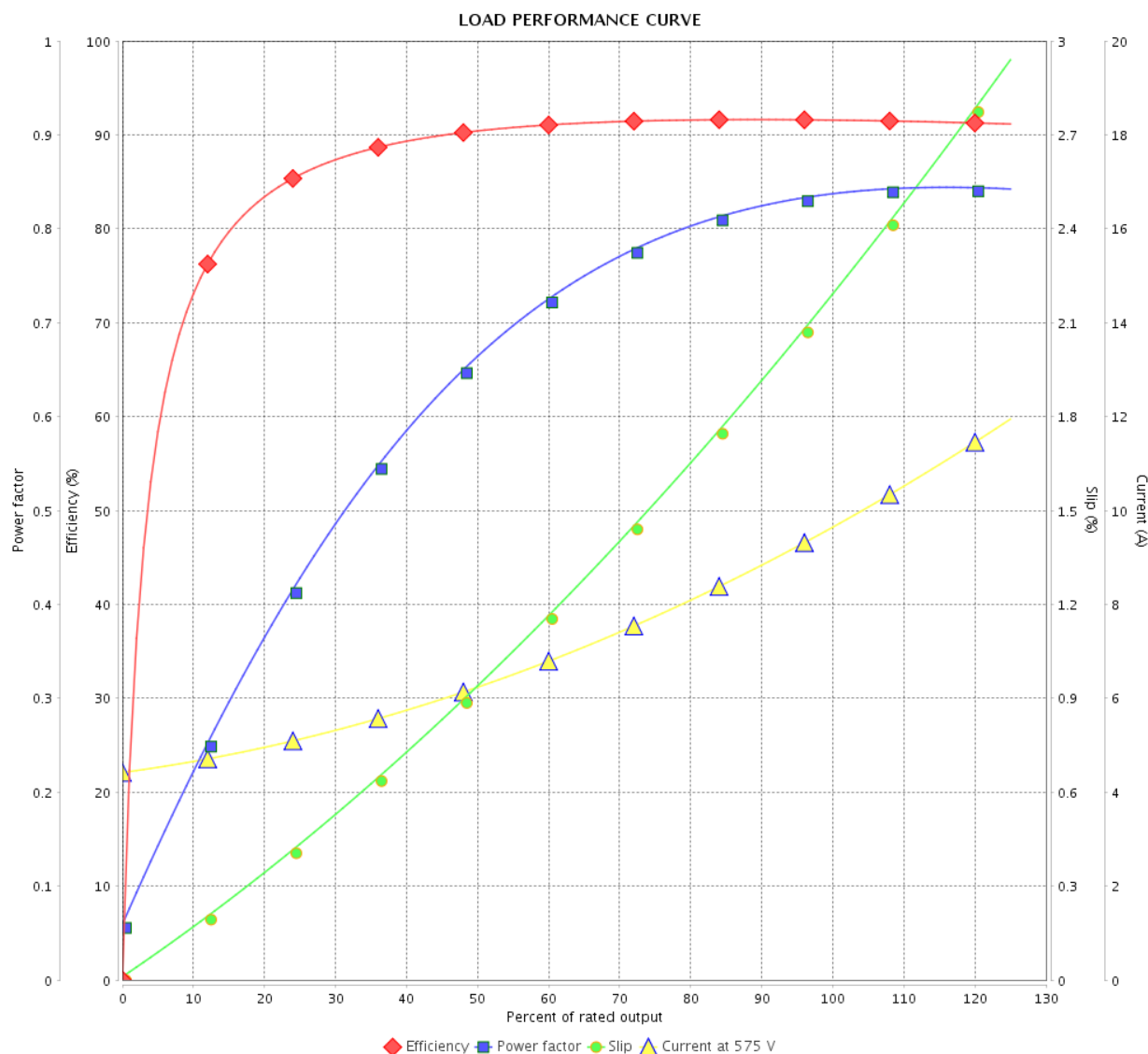
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845473



Performance : 575 V 60 Hz 4P

Rated current	: 9.76 A	Moment of inertia (J)	: 0.0451 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 4.12 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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