

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 10793377				
Frame : 326TS Output : 60 HP (45 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 56.8 A L. R. Amperes : 341 A LRC : 6.0x(Code G) No load current : 17.2 A Rated speed : 3560 rpm Slip : 1.11 % Rated torque : 12.2 kgfm Locked rotor torque : 220 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1839 kgm ² Design : B	Locked rotor time : 43s (cold) 24s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 75.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 224 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.9	93.0	93.6	93.6	Max. traction : 242 kgf	
Power Factor	0.53	0.77	0.84	0.85	Max. compression : 466 kgf	
		<u>Drive end</u>			<u>Non drive end</u>	
Bearing type	:	6312 Z C3			6212 Z C3	
Sealing	:	Without Bearing Seal			Without Bearing Seal	
Lubrication interval	:	19658 h			20000 h	
Lubricant amount	:	21 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.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	29/12/2023				1 / 2	

LOAD PERFORMANCE CURVE

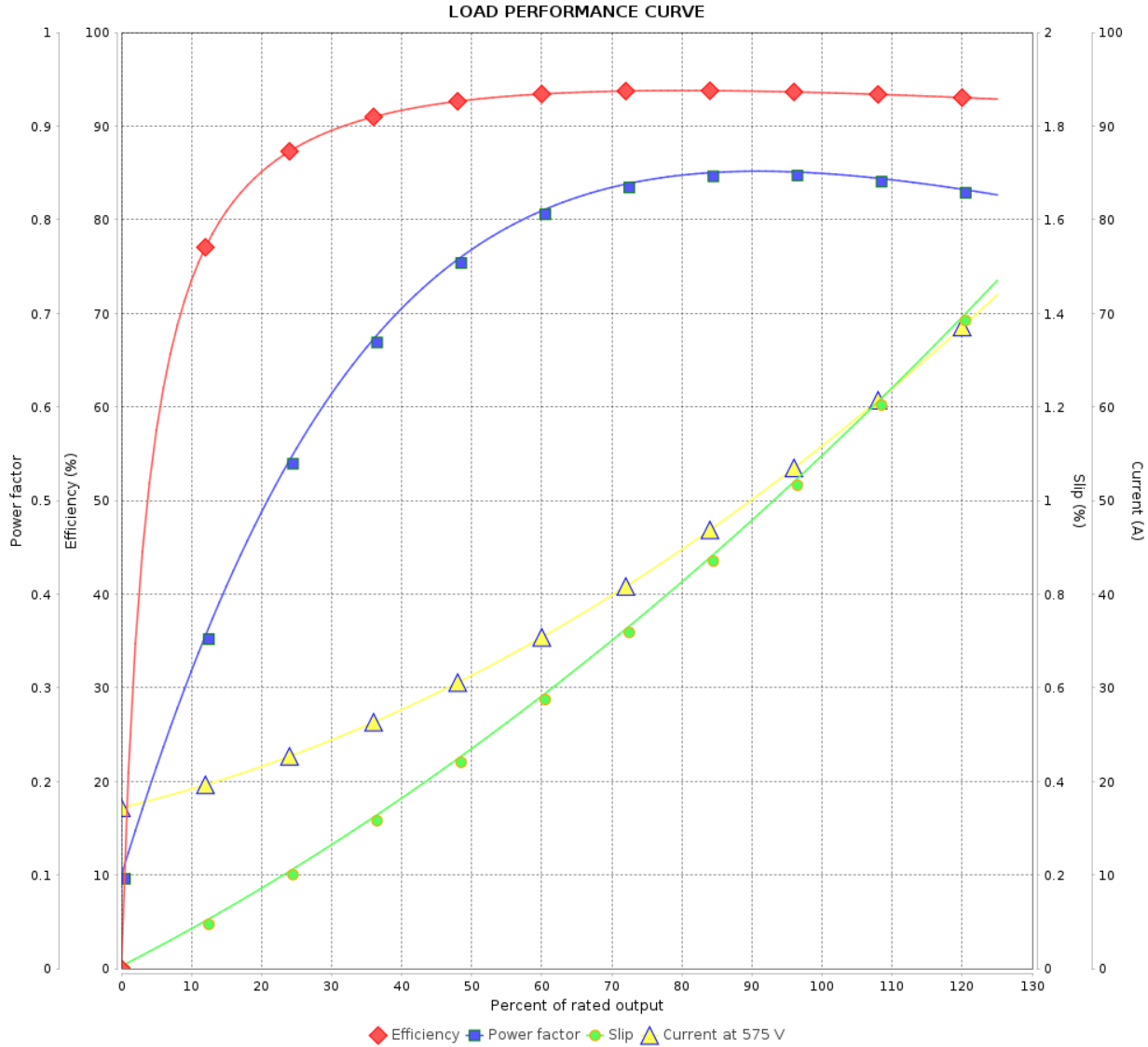
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Performance : 575 V 60 Hz 2P

Rated current : 56.8 A
 LRC : 6.0
 Rated torque : 12.2 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 229 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 0.1839 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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