

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : General NEMA Premium Efficiency Three-Phase		Product code : 11525563			
Frame : E143/5TC	Output : 2 HP (1.5 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 230/460 V	
Rated current : 5.00/2.50 A	L. R. Amperes : 47.5/23.8 A	LRC : 9.5x(Code L)	No load current : 1.96/0.980 A	Rated speed : 3430 rpm	
Slip : 4.72 %	Rated torque : 0.423 kgfm	Locked rotor torque : 450 %	Breakdown torque : 350 %	Insulation class : F	
Service factor : 1.15	Moment of inertia (J) : 0.0025 kgm ²	Design : B	Locked rotor time : 27s (cold) 15s (hot)	Temperature rise : 80 K	
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	
			Altitude : 1000 m.a.s.l.	Protection degree : IP21	
			Cooling method : IC01 - ODP	Mounting : F-1	
			Rotation ¹ : Both (CW and CCW)	Noise level ² : 60.0 dB(A)	
			Starting method : Direct On Line	Approx. weight ³ : 19.3 kg	
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.0	85.5	86.5	Max. traction : 32 kgf	
Power Factor	0.70	0.81	0.87	Max. compression : 52 kgf	
Bearing type	:	<u>Drive end</u> 6205 ZZ	<u>Non drive end</u> 6204 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes: USABLE @208V 5.50A SF 1.00 SFA 5.50A					
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
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Checked by			Page	Revision	
Date	05/05/2024			1 / 2	

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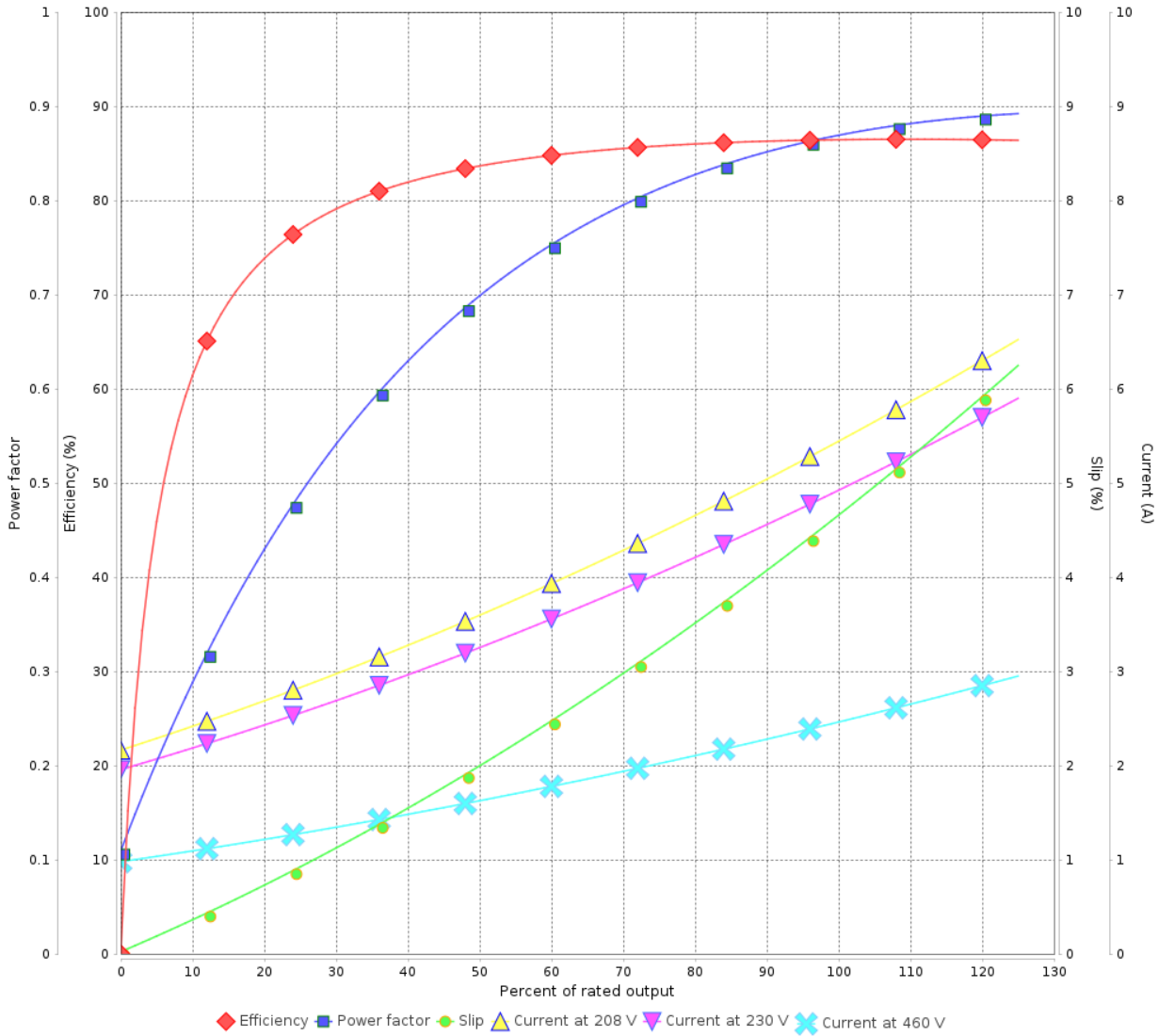
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 LRC : 9.5
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 Breakdown torque : 350 %
 Rated speed : 3430 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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