

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: General NEMA Premium Efficiency Three-Phase		Product code : 10360047	
Frame	: E143/5T		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 2 HP (1.5 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 5.80/2.90 A		Protection degree	: IP21	
L. R. Amperes	: 47.6/23.8 A		Cooling method	: IC01 - ODP	
LRC	: 8.2x(Code L)		Mounting	: F-1	
No load current	: 3.20/1.60 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1730 rpm		Noise level ²	: 52.0 dB(A)	
Slip	: 3.89 %		Starting method	: Direct On Line	
Rated torque	: 0.839 kgfm		Approx. weight ³	: 19.7 kg	
Locked rotor torque	: 350 %				
Breakdown torque	: 330 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0067 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads Max. traction : 69 kgf Max. compression : 89 kgf	
Efficiency (%)	82.5	85.5	86.5		
Power Factor	0.58	0.70	0.78		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6205 ZZ	6204 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes USABLE @208V 5.95A SF 1.00 SFA 5.95A					
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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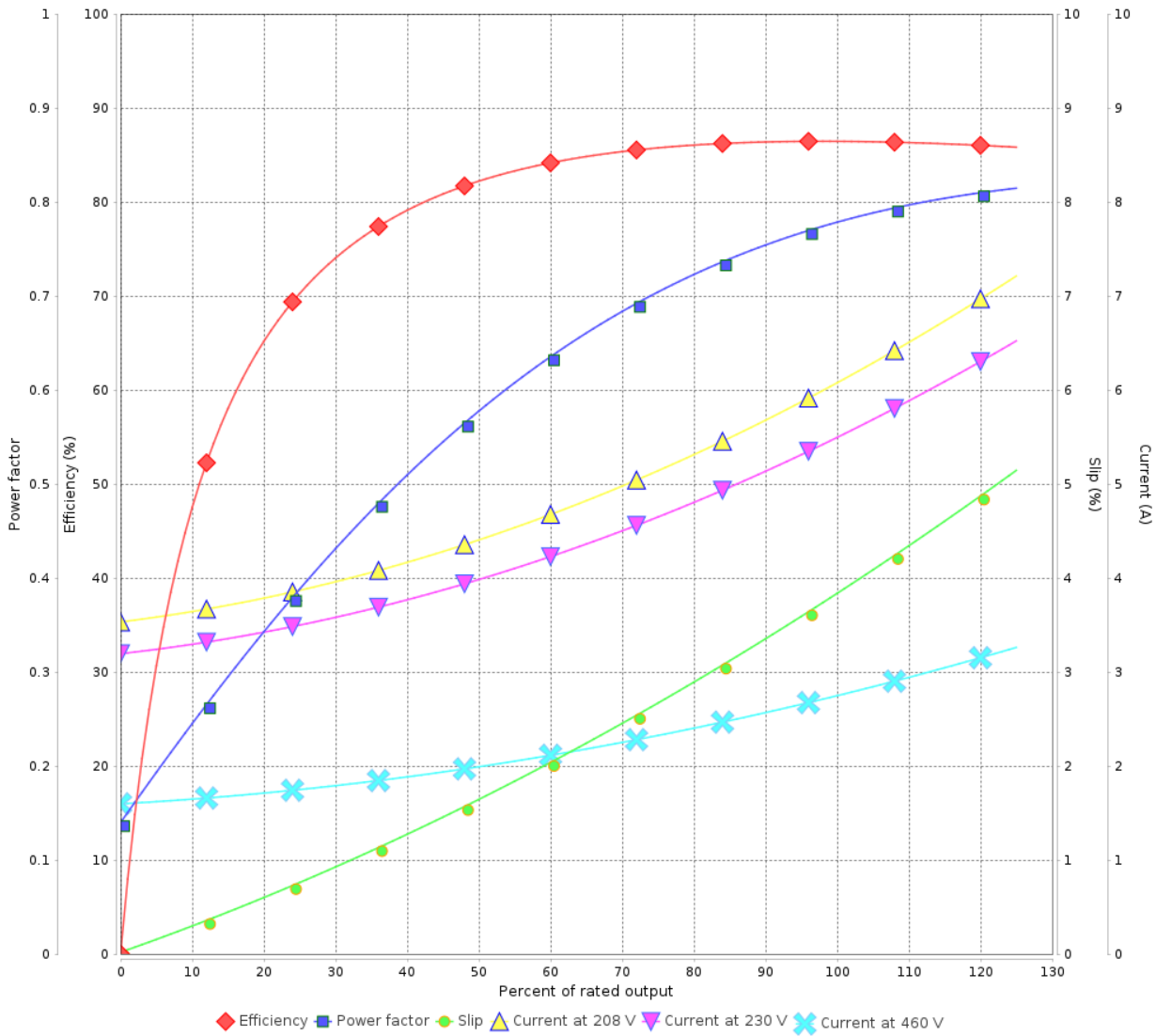
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-Phase Product code : 10360047

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Performance : 230/460 V 60 Hz 4P

Rated current : 5.80/2.90 A
 LRC : 8.2
 Rated torque : 0.839 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 330 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0067 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

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