

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 14426350		
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 : 75.8 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0267 kgm ²		
Design	: A			
Output [HP]		15		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		230/460		
Rated current [A]		34.0/17.0		
L. R. Amperes [A]		279/139		
LRC [A]		8.2x(Code J)		
No load current [A]		12.4/6.22		
Rated speed [RPM]		3520		
Slip [%]		2.22		
Rated torque [kgfm]		3.09		
Locked rotor torque [%]		280		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		19s (cold) 11s (hot)		
Noise level ²		70.0 dB(A)		
Efficiency (%)	25%			
	50%	90.2		
	75%	91.0		
	100%	91.0		
Power Factor	25%			
	50%	0.76		
	75%	0.85		
	100%	0.89		
Bearing type	: <u>Drive end</u> 6208 ZZ	<u>Non drive end</u> 6206 ZZ	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 151 kgf	
Lubrication interval	: -	-	Max. compression : 226 kgf	
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 37.6A SF 1.00 SFA 37.6A				
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	17/05/2022		1 / 2	

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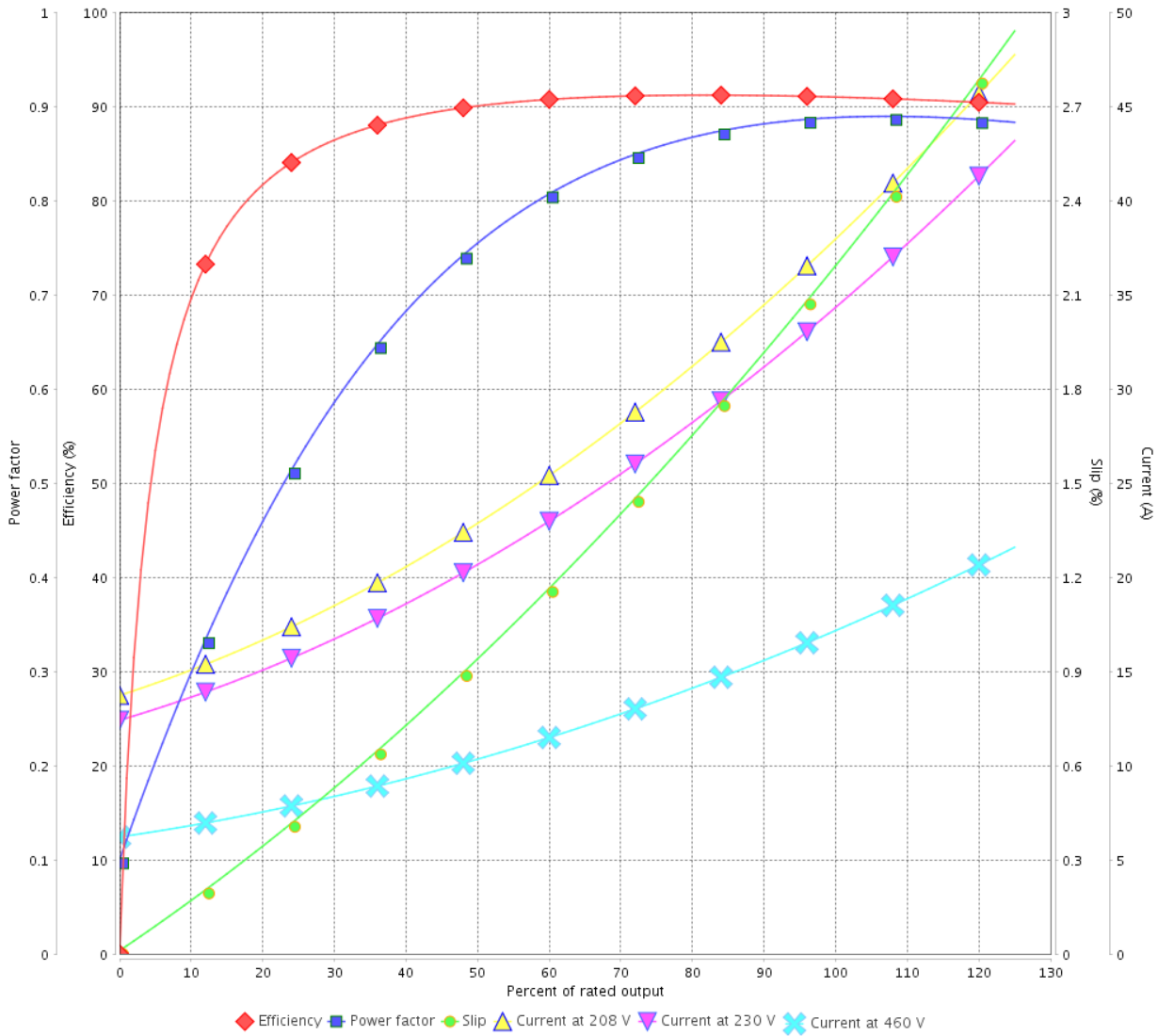
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 14426350

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Performance : 230/460 V 60 Hz 2P

Rated current : 34.0/17.0 A
 LRC : 8.2
 Rated torque : 3.09 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 330 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0267 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				