

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12837722		
Frame	: 182/4TC	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 : 42.5 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0081 kgm ²		
Design	: B			
Output [HP]	7.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	17.1/8.57			
L. R. Amperes [A]	132/66.0			
LRC [A]	7.7x(Code H)			
No load current [A]	6.07/3.04			
Rated speed [RPM]	3480			
Slip [%]	3.33			
Rated torque [kgfm]	1.56			
Locked rotor torque [%]	270			
Breakdown torque [%]	360			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	34s (cold) 19s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	88.5		
	75%	89.5		
	100%	89.5		
Power Factor	25%			
	50%	0.77		
	75%	0.86		
	100%	0.90		
Bearing type	: <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6205 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 96 kgf		
Lubrication interval	: - -	Max. compression : 139 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 19.0A SF 1.00 SFA 19.0A				
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	13/05/2022		1 /	

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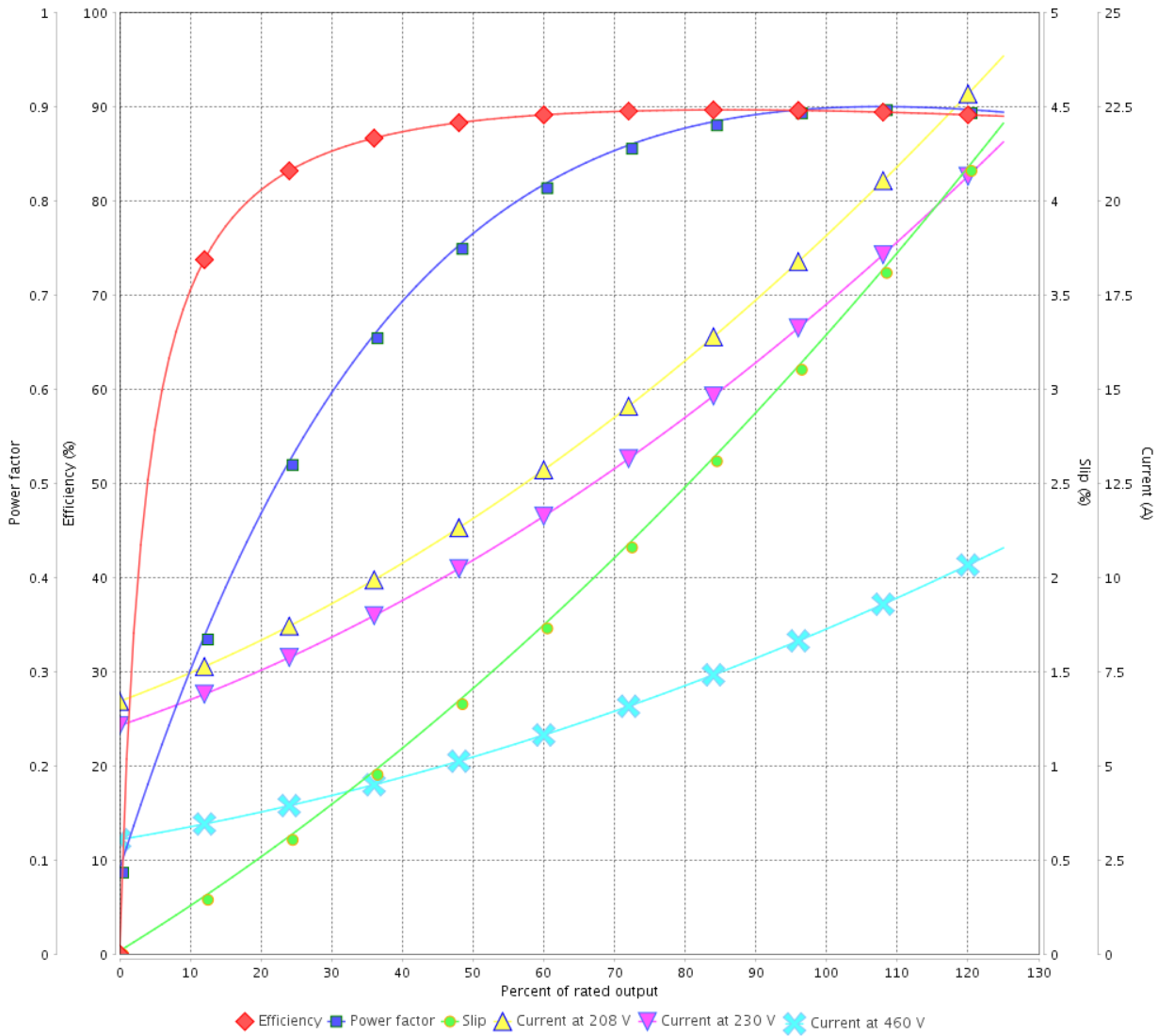
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Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12837722

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Performance : 230/460 V 60 Hz 2P

Rated current : 17.1/8.57 A
 LRC : 7.7
 Rated torque : 1.56 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 360 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0081 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 /	Revision
Checked by				
Date	13/05/2022			