

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Saw Arbor Motor Standard Efficiency Three-Phase		Product code : 14300941	
Frame	: 90L/MS	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: S6		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 11.7 A	Protection degree	: IP54		
L. R. Amperes	: 100 A	Cooling method	: IC411 - TEFC		
LRC	: 8.5	Mounting	: B3R(D)		
No load current	: 6.50 A	Rotation ¹	: CW		
Rated speed	: 1715 rpm	Noise level ²	: 55.0 dB(A)		
Slip	: 4.72 %	Starting method	: Direct On Line		
Rated torque	: 4.23 kgfm	Approx. weight ³	: 82.2 kg		
Locked rotor torque	: 459 %				
Breakdown torque	: 450 %				
Insulation class	: F				
Service factor	: 1.00				
Moment of inertia (J)	: 0.0168 kgm ²				
Design	: N				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.5	85.5	85.5	Max. traction : 434 kgf	
Power Factor	0.54	0.67	0.75	Max. compression : 517 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6308 ZZ	6208 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
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	15/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

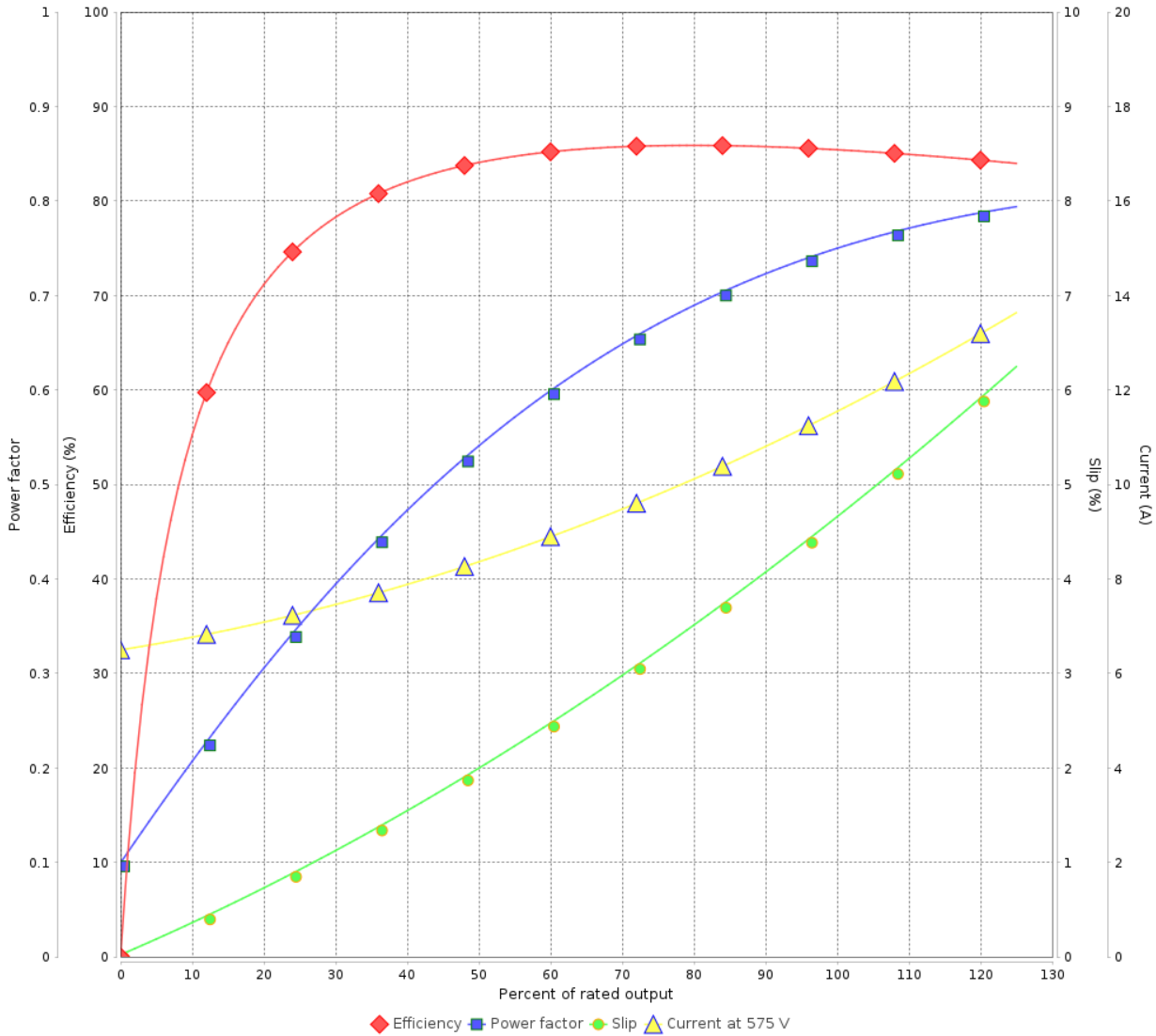
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Saw Arbor Motor Standard Efficiency Three-Phase Product code : 14300941

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 11.7 A	Moment of inertia (J)	: 0.0168 kgm ²
LRC	: 8.5	Duty cycle	: S6
Rated torque	: 4.23 kgfm	Insulation class	: F
Locked rotor torque	: 459 %	Service factor	: 1.00
Breakdown torque	: 450 %	Temperature rise	: 80 K
Rated speed	: 1715 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		2 / 2		
Date	15/01/2024			