

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase			Product code : 14046783	
Frame	:	213HP		Locked rotor time	:	104s (cold) 58s (hot)
Output	:	3 HP (2.2 kW)		Temperature rise	:	80 K
Poles	:	6		Duty cycle	:	Cont.(S1)
Frequency	:	60 Hz		Ambient temperature	:	-20°C to +40°C
Rated voltage	:	575 V		Altitude	:	1000 m.a.s.l.
Rated current	:	3.53 A		Protection degree	:	IP55
L. R. Amperes	:	24.7 A		Cooling method	:	IC411 - TEFC
LRC	:	7.0x(Code K)		Mounting	:	W-6
No load current	:	2.20 A		Rotation ¹	:	Both (CW and CCW)
Rated speed	:	1175 rpm		Noise level ²	:	55.0 dB(A)
Slip	:	2.08 %		Starting method	:	Direct On Line
Rated torque	:	1.85 kgfm		Approx. weight ³	:	71.2 kg
Locked rotor torque	:	200 %				
Breakdown torque	:	280 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.0504 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	86.5	88.5	89.5	Max. traction		
Power Factor	0.50	0.63	0.70	Max. compression		
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
11.0	8.5	7.7	6.7	4.4	3.4	2.5
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 ZZ		6207 ZZ		
Sealing	:	V'Ring		V'Ring		
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

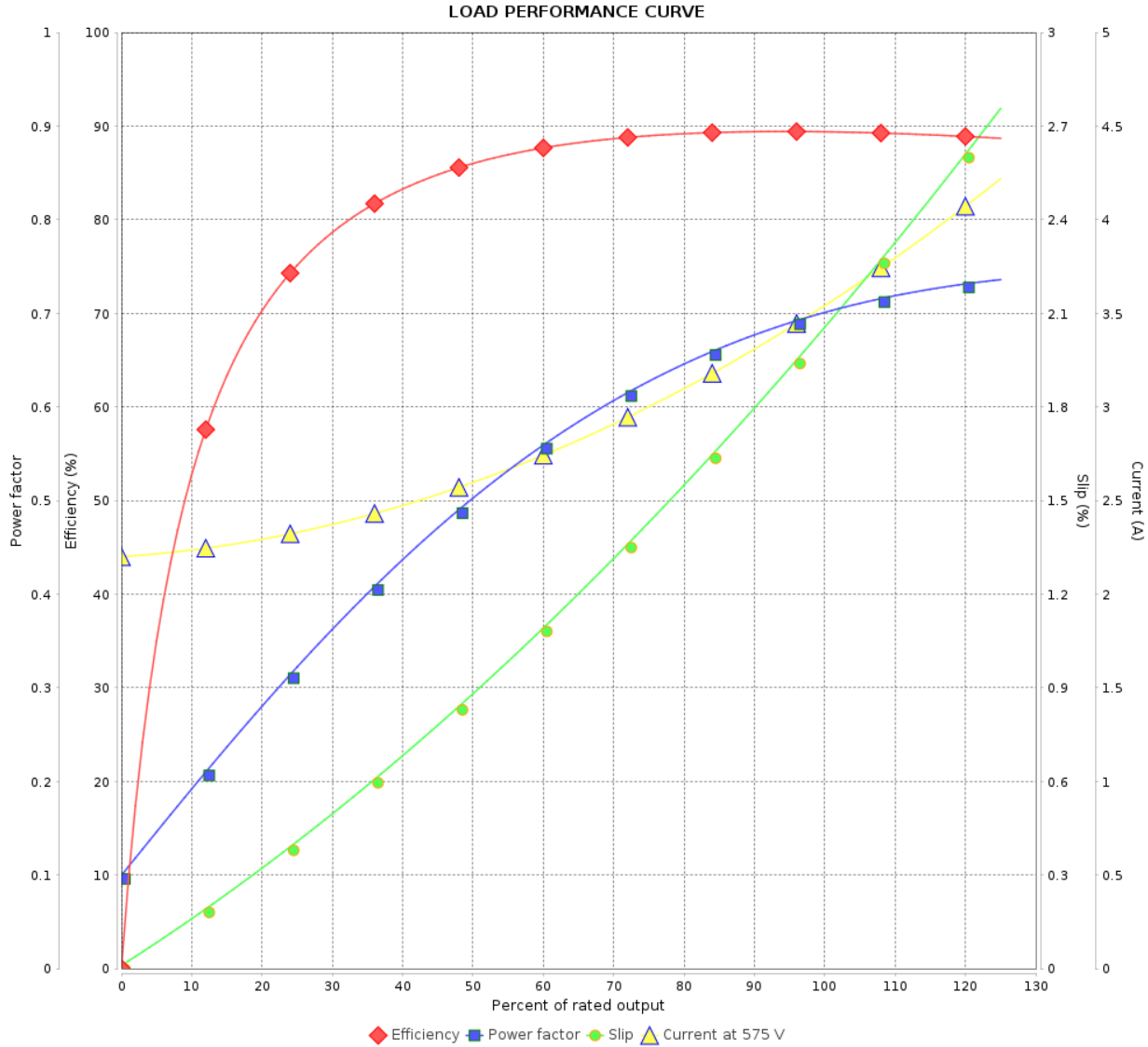
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 P Base NEMA Premium Efficiency Three-Phase

Product code : 14046783



Performance : 575 V 60 Hz 6P

Rated current : 3.53 A
 LRC : 7.0
 Rated torque : 1.85 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 280 %
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.0504 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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