

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Close Coupled Pump JP NEMA Premium Efficiency Three-Phase		Product code : 15858654		
Frame	: 213/5JP		Locked rotor time	: 21s (cold) 12s (hot)		
Output	: 15 HP (11 kW)		Temperature rise	: 80 K		
Poles	: 2		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	: 13.6 A		Protection degree	: IP55		
L. R. Amperes	: 107 A		Cooling method	: IC411 - TEFC		
LRC	: 7.9x(Code J)		Mounting	: F-1		
No load current	: 4.64 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3520 rpm		Noise level ²	: 68.0 dB(A)		
Slip	: 2.22 %		Starting method	: Direct On Line		
Rated torque	: 3.09 kgfm		Approx. weight ³	: 82.0 kg		
Locked rotor torque	: 240 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0268 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	90.2	91.0	91.0	Max. traction : 119 kgf	
Power Factor	0.00	0.76	0.85	0.89	Max. compression : 201 kgf	
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 Z C3	6207 ZZ			
Sealing	:	V'Ring	V'Ring			
Lubrication interval	:	19000 h	0 h			
Lubricant amount	:	13 g	0 g			
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	24/10/2024				1 / 2	

LOAD PERFORMANCE CURVE

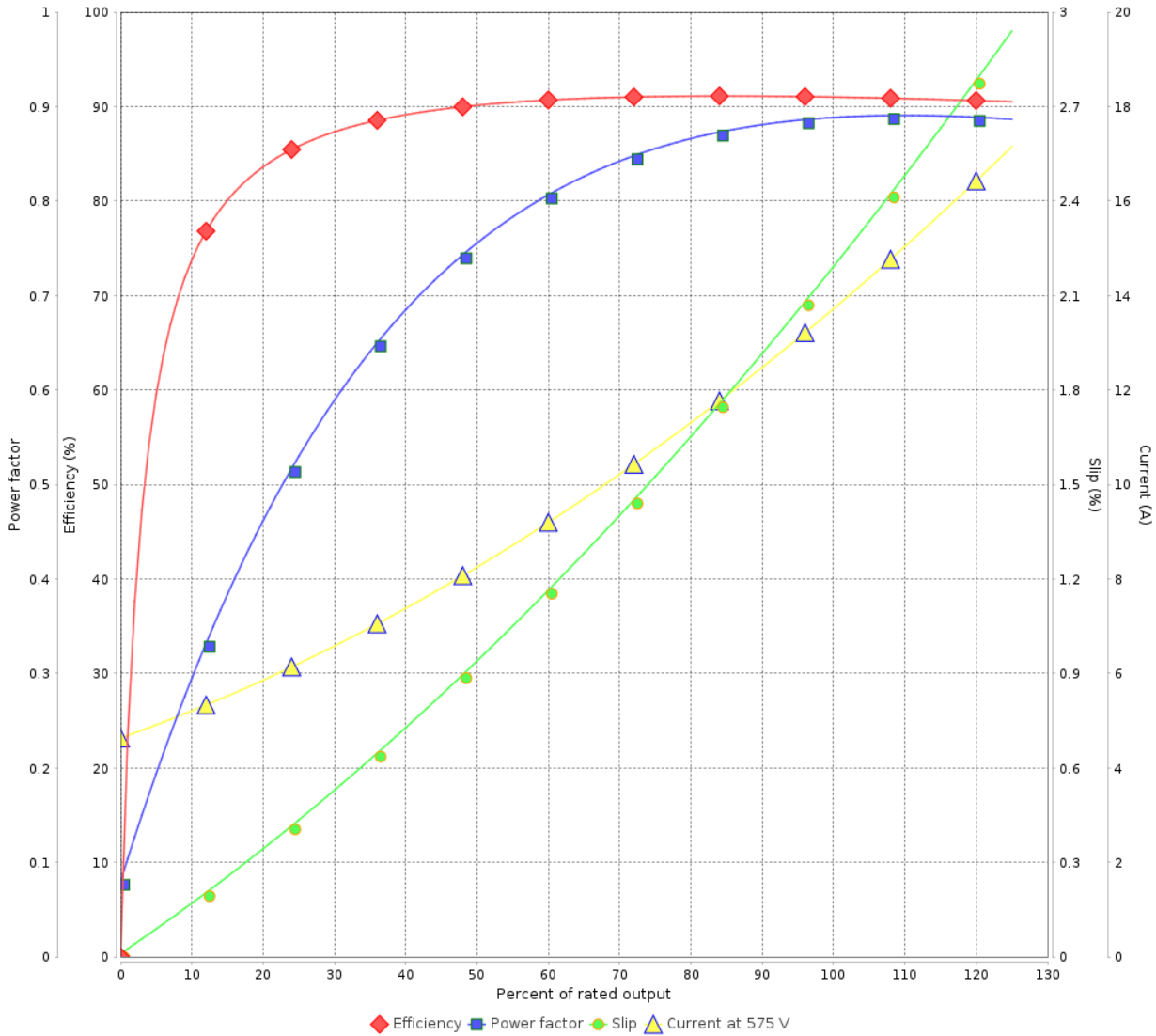
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP
 NEMA Premium Efficiency Three-Phase
 Product code : 15858654

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 13.6 A	Moment of inertia (J)	: 0.0268 kgm ²
LRC	: 7.9	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			2 / 2	
Date	24/10/2024			