

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 11535529			
Frame	: 213/5TC			Locked rotor time	: 30s (cold) 17s (hot)	
Output	: 10 HP (7.5 kW)			Temperature rise	: 80 K	
Poles	: 4			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	: 10.1 A			Protection degree	: IP55	
L. R. Amperes	: 64.9 A			Cooling method	: IC411 - TEFC	
LRC	: 6.4x(Code H)			Mounting	: F-1	
No load current	: 4.52 A			Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1765 rpm			Noise level <sup>2</sup>	: 58.0 dB(A)	
Slip	: 1.94 %			Starting method	: Direct On Line	
Rated torque	: 4.11 kgfm			Approx. weight <sup>3</sup>	: 82.0 kg	
Locked rotor torque	: 200 %					
Breakdown torque	: 295 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0636 kgm <sup>2</sup>					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 183 kgf	
Power Factor	0.65	0.76	0.81	Max. compression	: 265 kgf	
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)
8.8	7.3	7.0	4.6	3.2	2.3	1.6
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:		6308 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	23/04/2024				1 / 2	

# LOAD PERFORMANCE CURVE

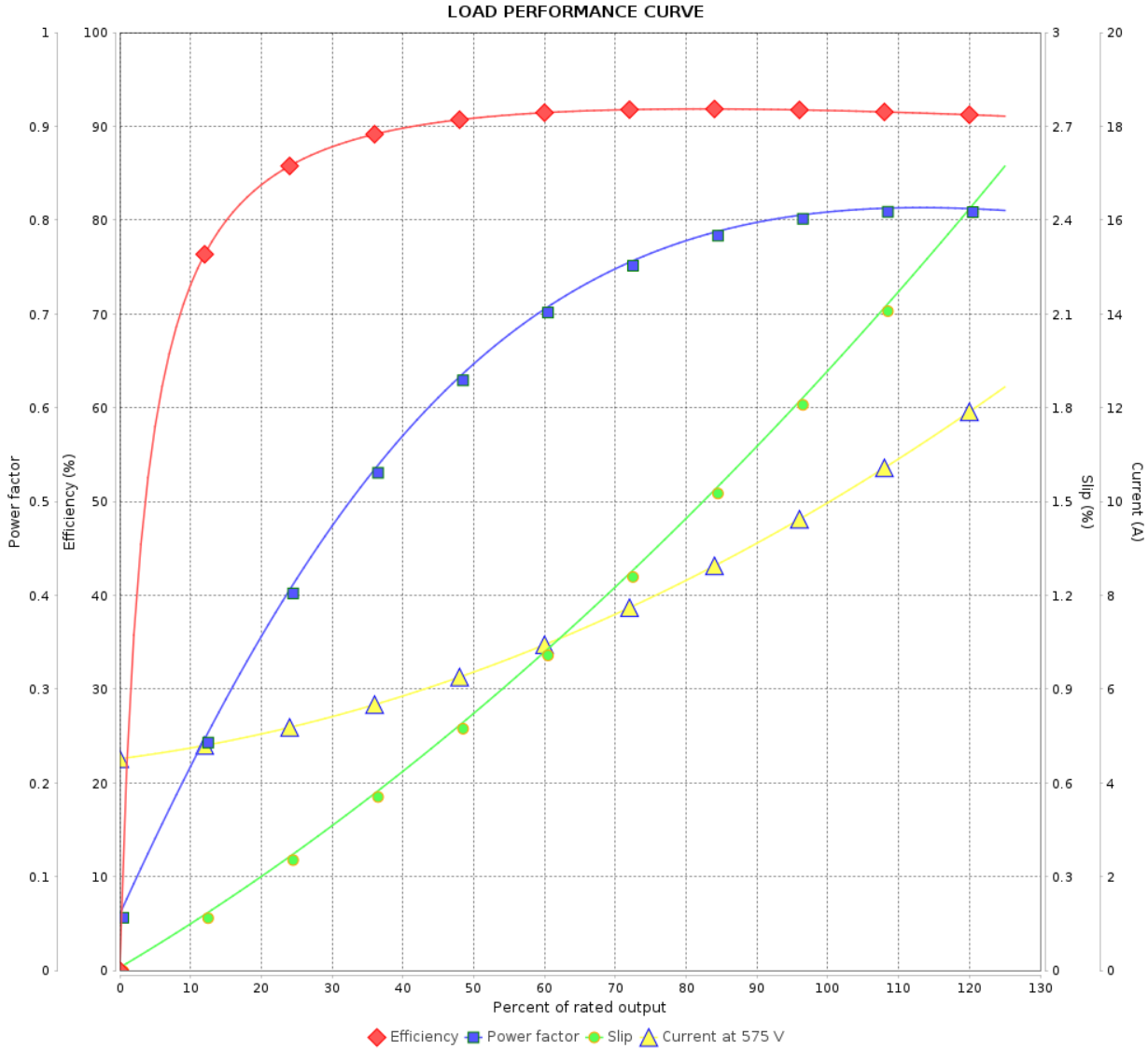
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11535529



Performance : 575 V 60 Hz 4P

Rated current : 10.1 A  
 LRC : 6.4  
 Rated torque : 4.11 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 295 %  
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0636 kgm<sup>2</sup>  
 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	Revision
Checked by				
Date				