

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11088323	
Frame	: 254JM	Locked rotor time	: 21s (cold) 12s (hot)		
Output	: 20 HP (15 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	: 19.7 A	Protection degree	: IP23		
L. R. Amperes	: 110 A	Cooling method	: IC01 - ODP		
LRC	: 5.6x(Code F)	Mounting	: F-1		
No load current	: 7.28 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3520 rpm	Noise level ²	: 66.0 dB(A)		
Slip	: 2.22 %	Starting method	: Direct On Line		
Rated torque	: 4.12 kgfm	Approx. weight ³	: 94.5 kg		
Locked rotor torque	: 160 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0309 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.5	90.2	91.0	Max. traction : 115 kgf	
Power Factor	0.71	0.80	0.84	Max. compression : 209 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 Z C3	6209 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	13 g	9 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	14/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

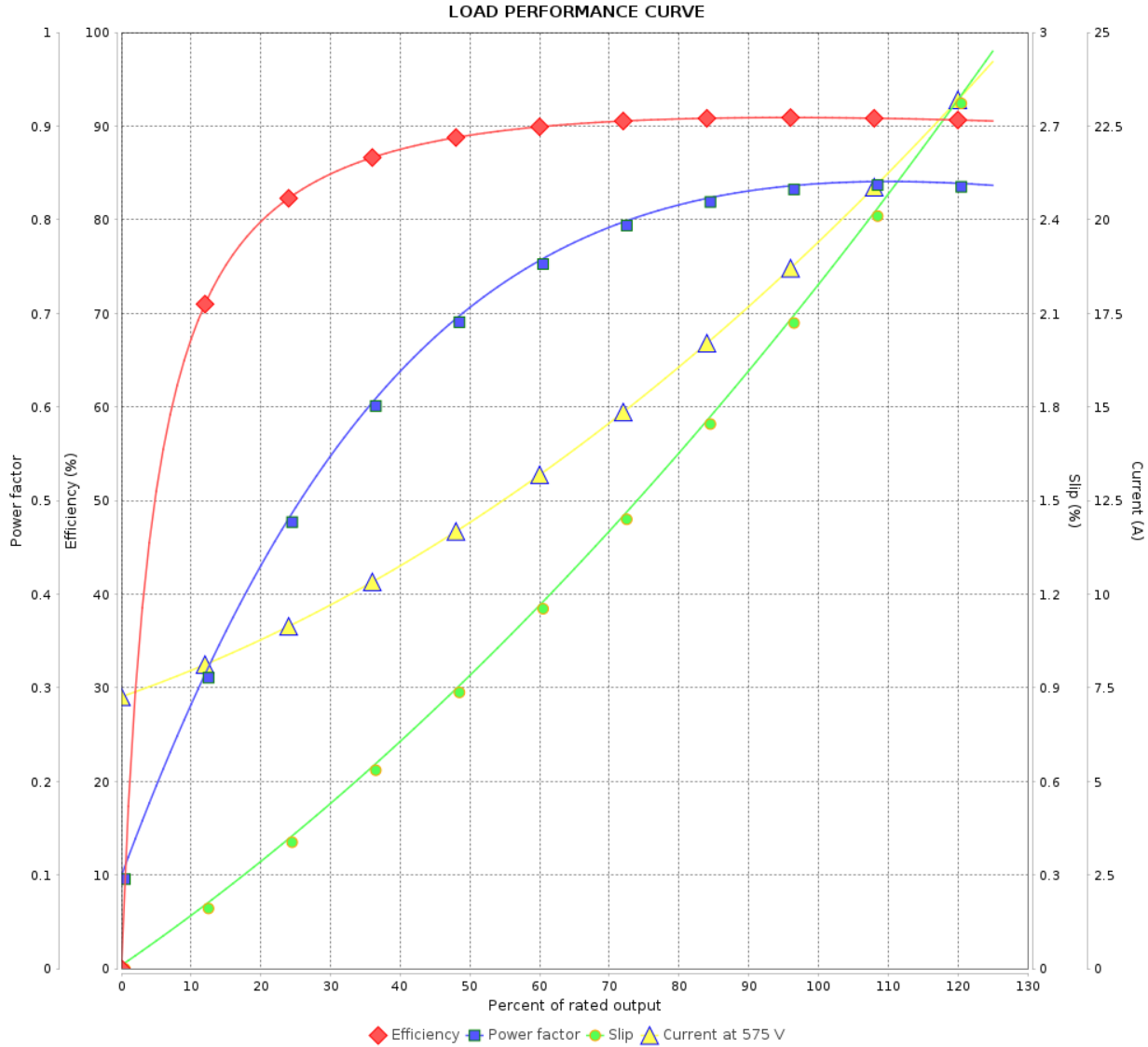
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Close Coupled Pump NEMA Premium
Efficiency Three-Phase

Product code : 11088323



Performance : 575 V 60 Hz 2P

Rated current : 19.7 A
 LRC : 5.6
 Rated torque : 4.12 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 250 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0309 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				
Checked by				
Date				
			Page	Revision
			2 / 2	