

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase		Product code : 13906366	
Frame	: 284/6JM		Locked rotor time	: 18s (cold) 10s (hot)	
Output	: 40 HP (30 kW)		Temperature rise	: 80 K	
Poles	: 2		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 208-230/460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 101-91.6/45.8 A		Protection degree	: IP55	
L. R. Amperes	: 828-751/376 A		Cooling method	: IC411 - TEFC	
LRC	: 8.2x(Code J)		Mounting	: F-1	
No load current	: 24.9-27.0/13.5 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3555 rpm		Noise level ²	: 72.0 dB(A)	
Slip	: 1.25 %		Starting method	: Direct On Line	
Rated torque	: 8.17 kgfm		Approx. weight ³	: 198 kg	
Locked rotor torque	: 300 %				
Breakdown torque	: 320 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.1243 kgm ²				
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	91.7	92.4	92.4	
Power Factor	0.00	0.80	0.86	0.89	
Foundation loads					
Max. traction : 275 kgf					
Max. compression : 473 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6311 C3	6211 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	14000 h	17000 h		
Lubricant amount	:	18 g	11 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
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Date	15/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

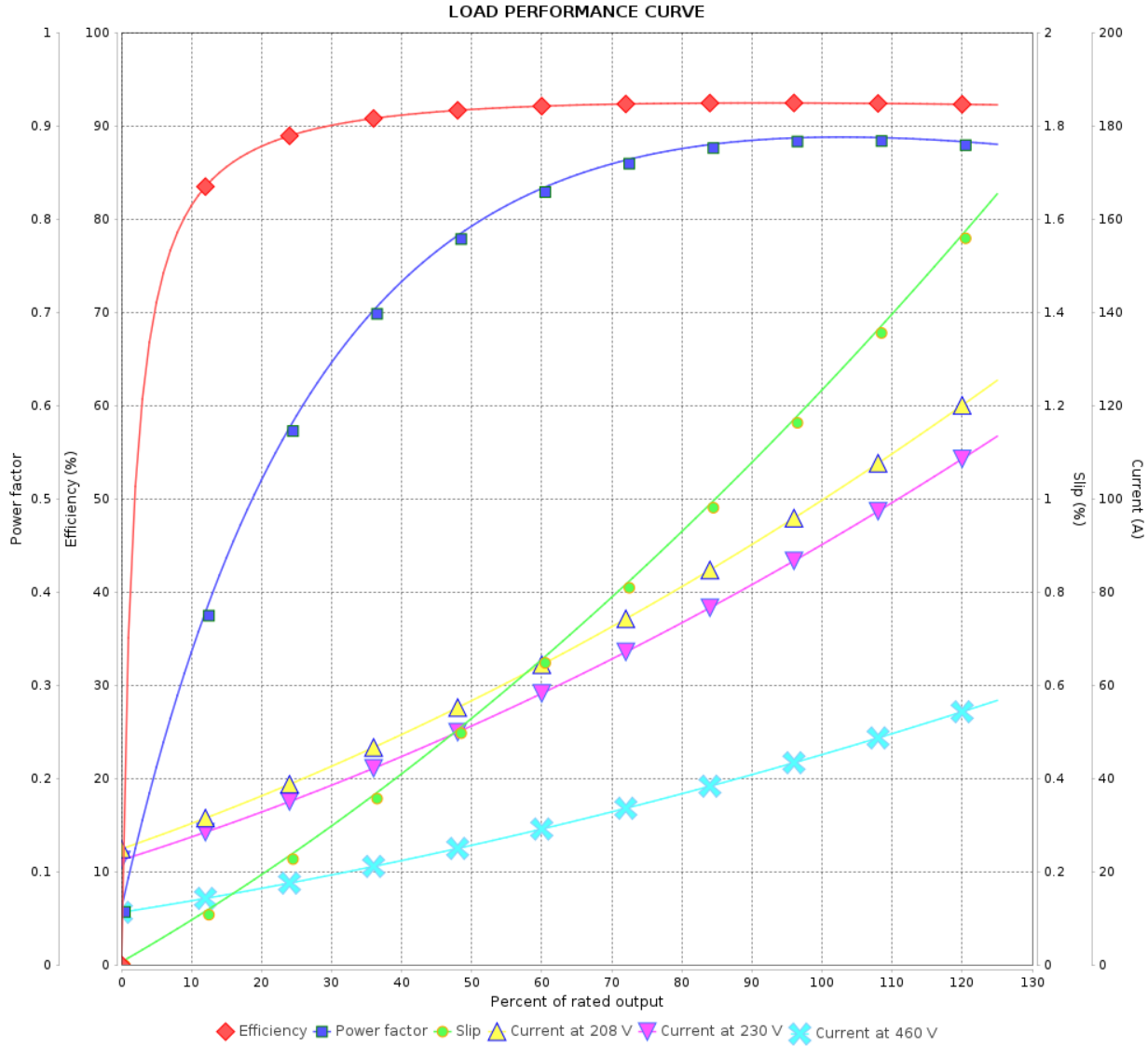
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM NEMA
Premium Efficiency Three-Phase

Product code : 13906366



Performance : 208-230/460 V 60 Hz 2P

Rated current : 101-91.6/45.8 A
 LRC : 8.2
 Rated torque : 8.17 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 320 %
 Rated speed : 3555 rpm

Moment of inertia (J) : 0.1243 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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