

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : 15860072	
Frame	: 364/5JP	Locked rotor time	: 39s (cold) 22s (hot)		
Output	: 40 HP (30 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	: 37.7 A	Protection degree	: IP23		
L. R. Amperes	: 241 A	Cooling method	: IC01 - ODP		
LRC	: 6.4x(Code G)	Mounting	: F-1		
No load current	: 12.6 A	Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 1185 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)		
Slip	: 1.25 %	Starting method	: Direct On Line		
Rated torque	: 24.5 kgfm	Approx. weight <sup>3</sup>	: 348 kg		
Locked rotor torque	: 200 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 0.9174 kgm <sup>2</sup>				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.6	94.1	94.1	Max. traction : 459 kgf	
Power Factor	0.74	0.82	0.85	Max. compression : 807 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6314 C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	27 g	13 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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# LOAD PERFORMANCE CURVE

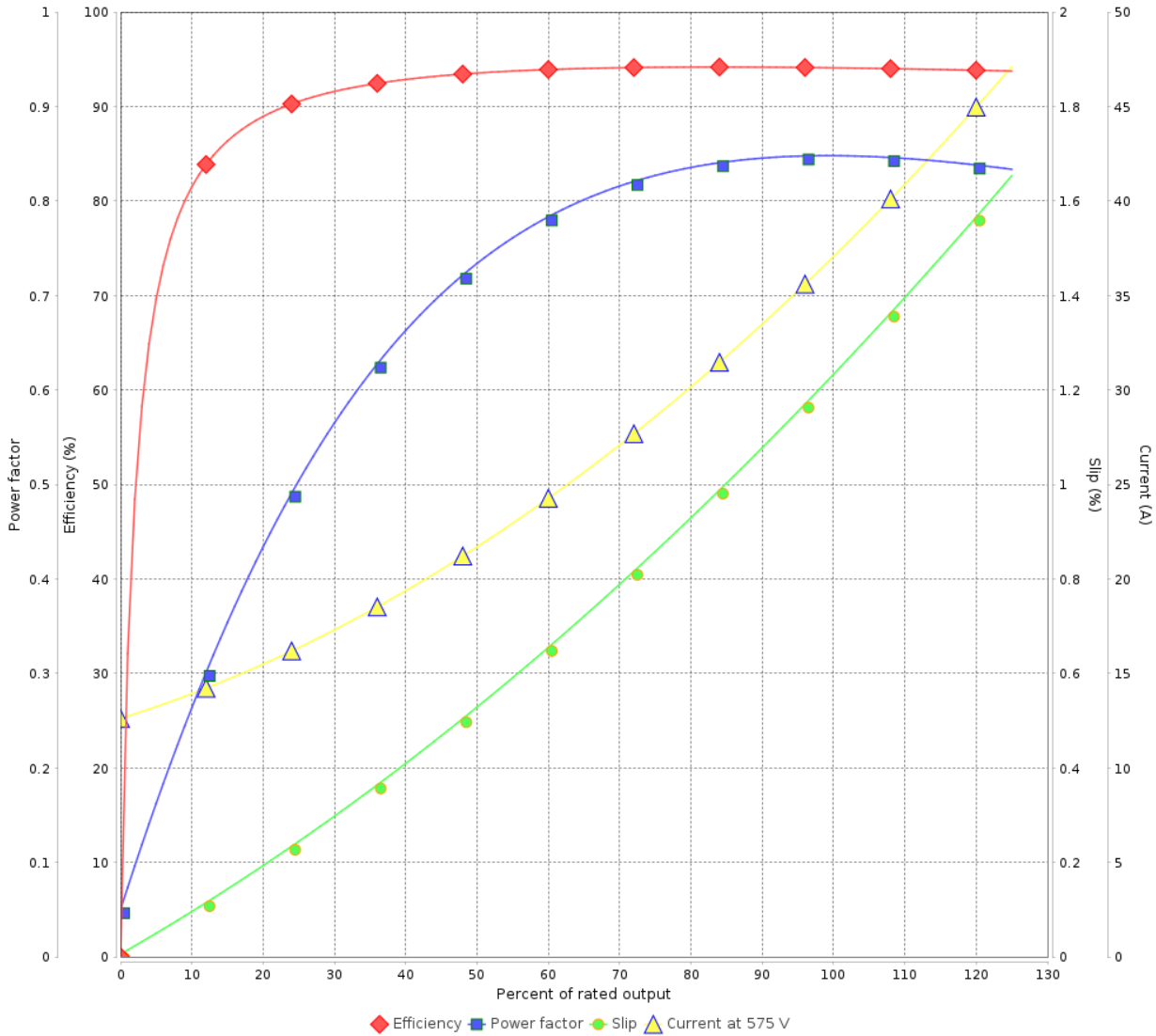
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase      Product code : 15860072

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 37.7 A	Moment of inertia (J)	: 0.9174 kgm <sup>2</sup>
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 24.5 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1185 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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Date	22/10/2023			