

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JM Pump NEMA Premium Efficiency Three-Phase Product code : 17117454

Frame	: 254/6JM	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 57.5/28.8 A	Protection degree	: IP23
L. R. Amperes	: 374/187 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 16.2/8.10 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3530 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight ³	: 125 kg
Rated torque	: 5.14 kgfm		
Locked rotor torque	: 210 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0478 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 0 kgf
Power Factor	0.77	0.85	0.88	Max. compression	: 0 kgf

	Drive end	Non drive end
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
USABLE @208V 63.7A SF 1.15 SFA 73.2A

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				
Date	14/07/2026			

Page 1 / 2
Revision

LOAD PERFORMANCE CURVE

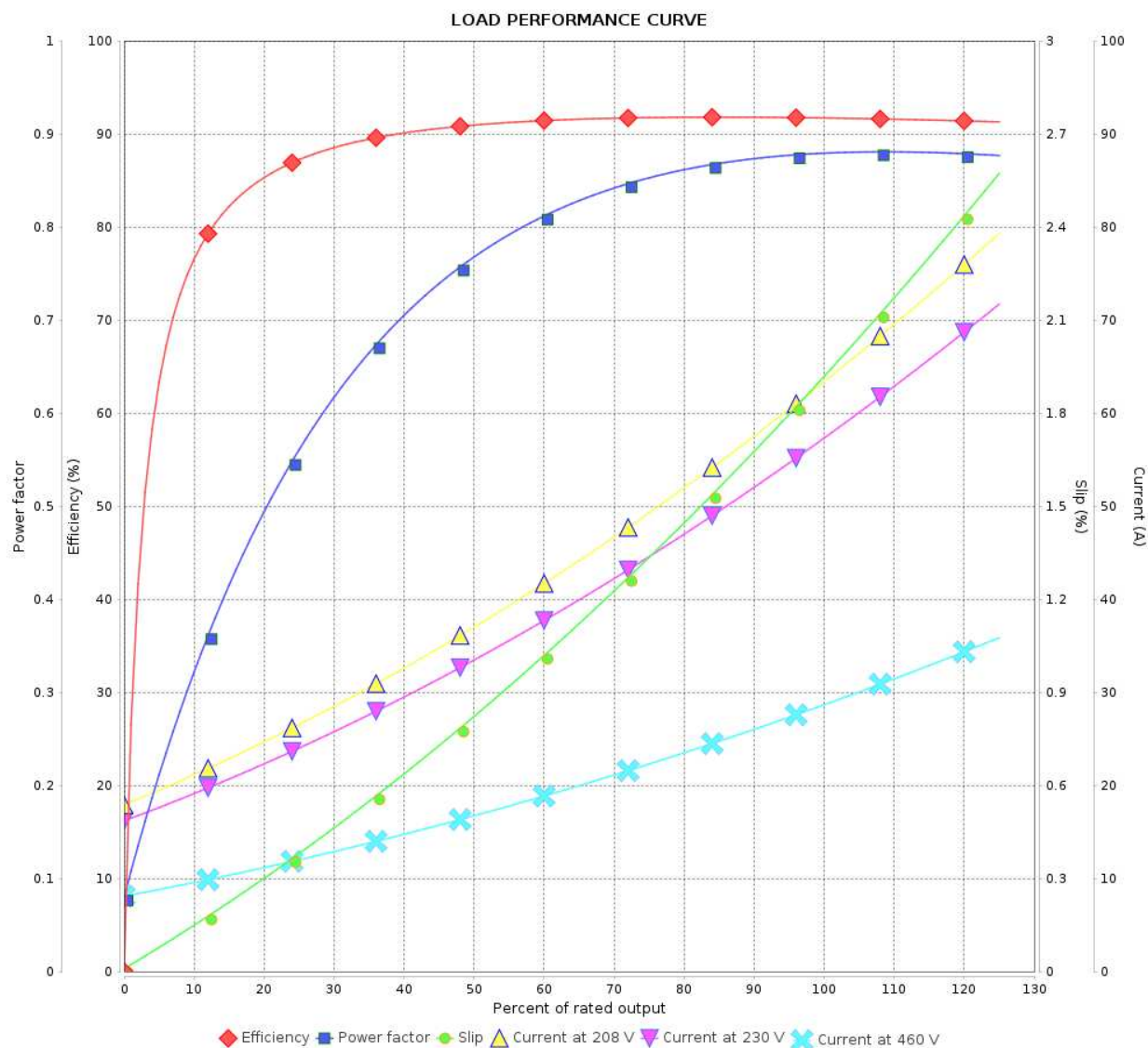
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 17117454



Performance : 230/460 V 60 Hz 2P

Rated current : 57.5/28.8 A
LRC : 6.5
Rated torque : 5.14 kgfm
Locked rotor torque : 210 %
Breakdown torque : 250 %
Rated speed : 3530 rpm

Moment of inertia (J) : 0.0478 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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Performed by				Page 2 / 2	Revision
Checked by					
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