

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 12676983		
Frame	: 213/5JM	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 59.5 kg		
Design	: B	Moment of inertia (J) : 0.0546 kgm ²		
Output [HP]		10		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.92		
L. R. Amperes [A]		69.4		
LRC [A]		7.0x(Code H)		
No load current [A]		4.79		
Rated speed [RPM]		1770		
Slip [%]		1.67		
Rated torque [kgfm]		4.10		
Locked rotor torque [%]		250		
Breakdown torque [%]		350		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level ²		59.0 dB(A)		
Efficiency (%)	25%	89.4		
	50%	90.2		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.38		
	50%	0.64		
	75%	0.77		
	100%	0.83		
Bearing type	: <u>Drive end</u> 6209 ZZ <u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 236 kgf Max. compression : 295 kgf		
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.		
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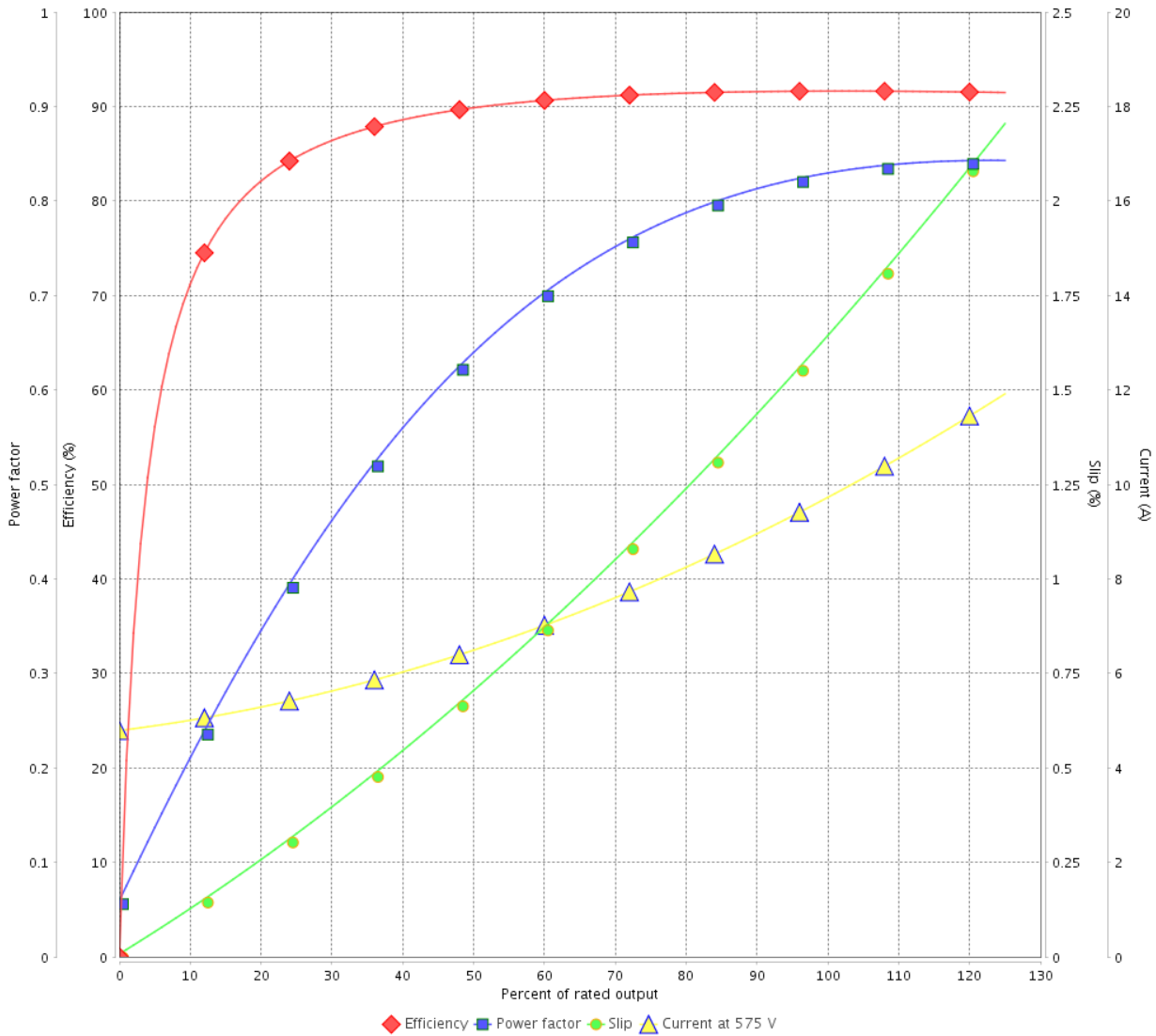


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Efficiency Three-Phase

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Performance : 575 V 60 Hz 4P

Rated current : 9.92 A
LRC : 7.0
Rated torque : 4.10 kgfm
Locked rotor torque : 250 %
Breakdown torque : 350 %
Rated speed : 1770 rpm

Moment of inertia (J) : 0.0546 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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