

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: Jet Pump - C type Premium Efficiency Three-Phase	Product code :	14453253		
Frame	: W56C	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: CCW		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 7.6 kg		
		Moment of inertia (J)	: 0.0008 kgm <sup>2</sup>		
Output [HP]	0.75				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.944				
L. R. Amperes [A]	7.36				
LRC [A]	7.8x(Code L)				
No load current [A]	0.640				
Rated speed [RPM]	3450				
Slip [%]	4.17				
Rated torque [kgfm]	0.158				
Locked rotor torque [%]	370				
Breakdown torque [%]	400				
Service factor	1.50				
Temperature rise	80 K				
Locked rotor time	32s (cold) 18s (hot)				
Noise level <sup>2</sup>	62.0 dB(A)				
Efficiency (%)	25%				
	50%	68.0			
	75%	72.0			
	100%	76.8			
Power Factor	25%				
	50%	0.57			
	75%	0.69			
	100%	0.76			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: Without	Without	Max. traction	: 16 kgf	
Lubrication interval	: -	-	Max. compression	: 24 kgf	
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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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

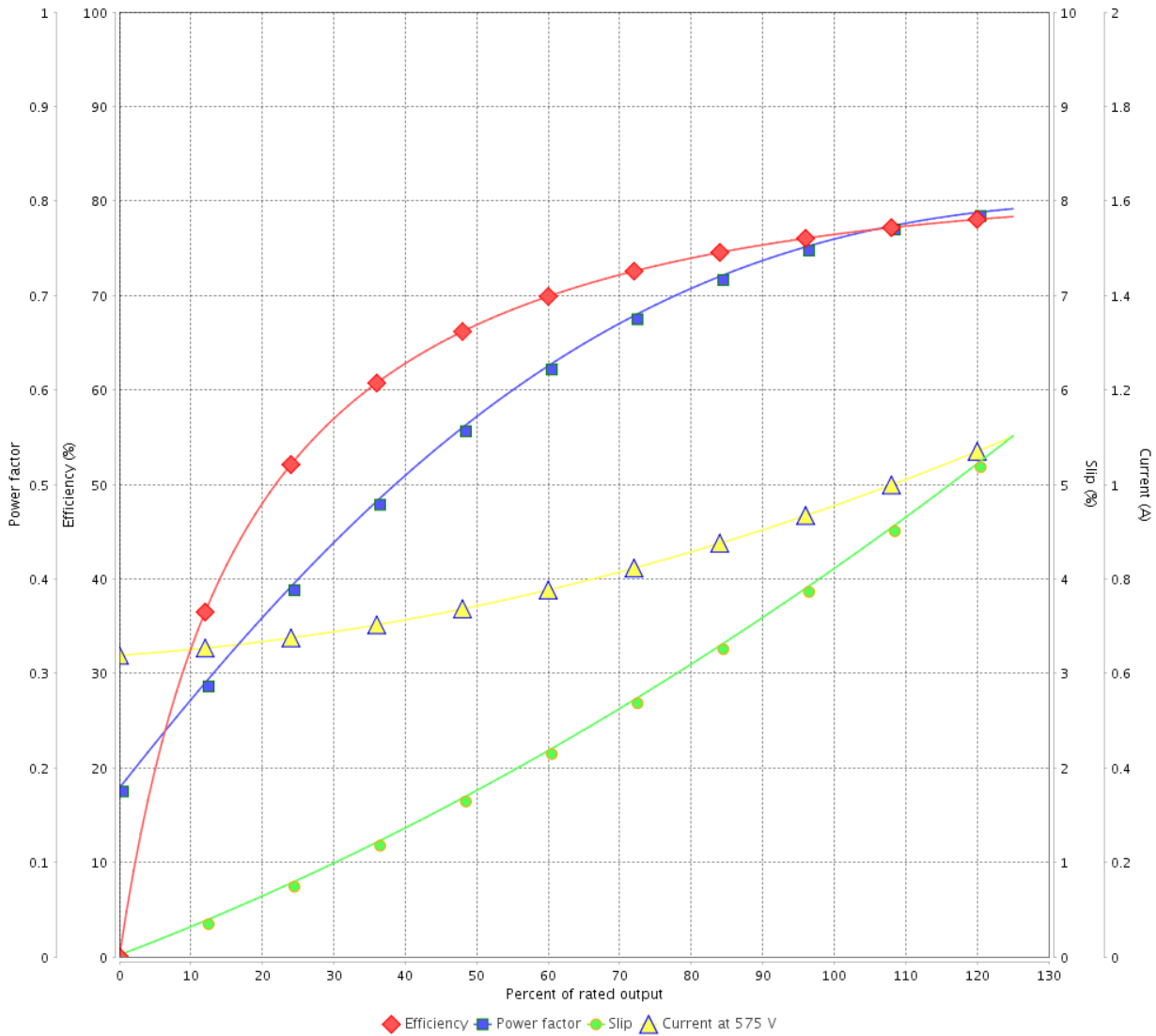


Customer :

Product line : Jet Pump - C type Premium  
Efficiency Three-Phase

Product code : 14453253

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 0.944 A  
LRC : 7.8  
Rated torque : 0.158 kgfm  
Locked rotor torque : 370 %  
Breakdown torque : 400 %  
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.50  
Temperature rise : 80 K

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