

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10678036			
Frame	:	E56C		Locked rotor time	:	10s (cold) 6s (hot)	
Output	:	3 HP (2.2 kW)		Temperature rise	:	80 K	
Poles	:	2		Duty cycle	:	Cont.(S1)	
Frequency	:	60 Hz		Ambient temperature	:	-20°C to +40°C	
Rated voltage	:	230 V		Altitude	:	1000 m.a.s.l.	
Rated current	:	15.0 A		Protection degree	:	IP21	
L. R. Amperes	:	105 A		Cooling method	:	IC01 - ODP	
LRC	:	7.0x(Code K)		Mounting	:	F-1	
No load current	:	8.40 A		Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	3475 rpm		Noise level ²	:	55.0 dB(A)	
Slip	:	3.47 %		Starting method	:	Direct On Line	
Rated torque	:	0.627 kgfm		Approx. weight ³	:	20.0 kg	
Locked rotor torque	:	220 %					
Breakdown torque	:	229 %					
Insulation class	:	B					
Service factor	:	1.15					
Moment of inertia (J)	:	0.0028 kgm ²					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	76.7	78.7	77.1	Max. traction			
Power Factor	0.63	0.76	0.83	Max. compression			
Bearing type	:	Drive end 6203 2RS		Non drive end 6203 2RS			
Sealing	:	Without Bearing Seal		Without Bearing Seal			
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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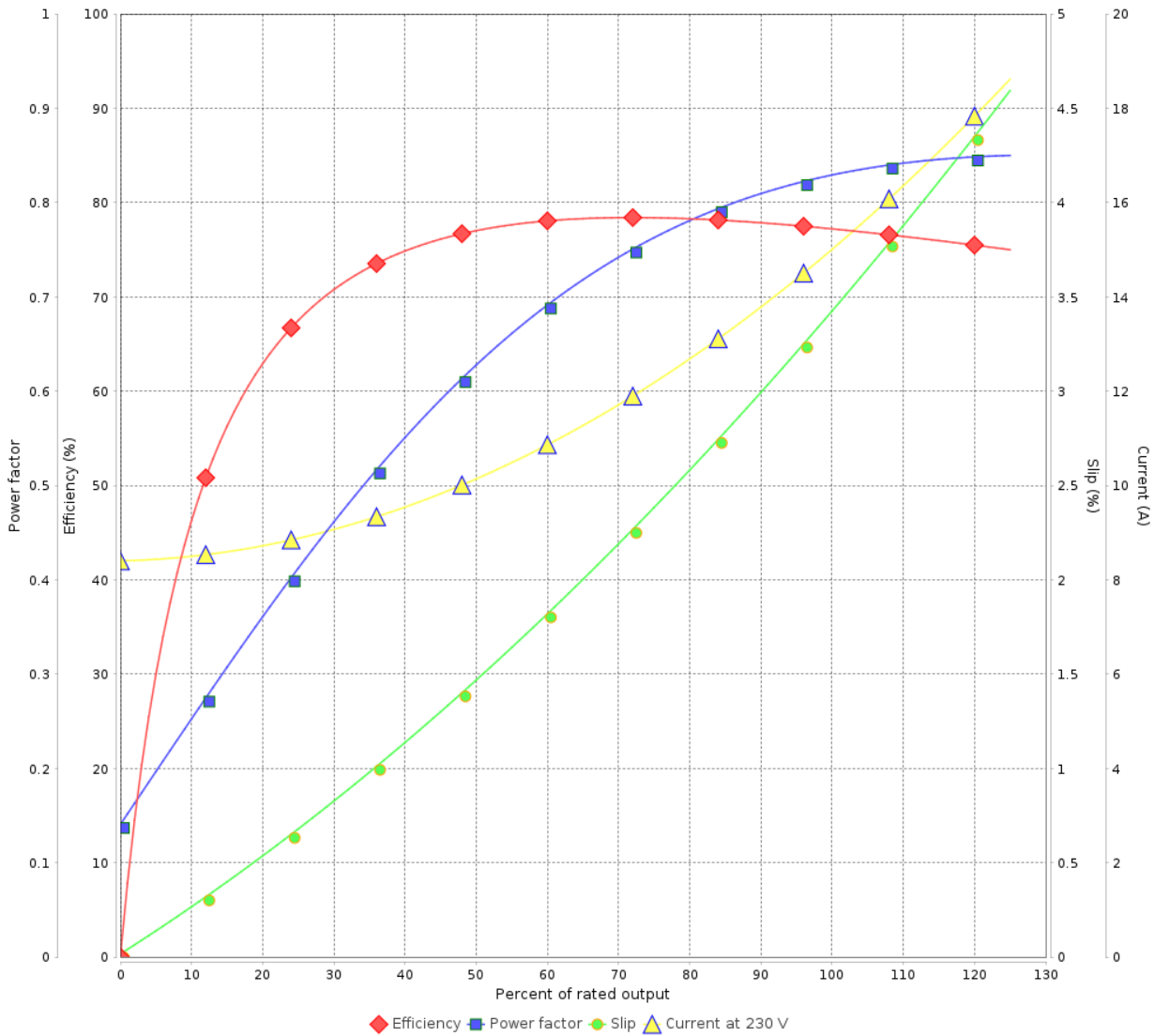


Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10678036

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Performance : 230 V 60 Hz 2P

Rated current : 15.0 A
 LRC : 7.0
 Rated torque : 0.627 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 229 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0028 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

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