

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	:	<u>Drive end</u> 6203 2RS	<u>Non drive end</u> 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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	24/10/2024			1 / 2	

LOAD PERFORMANCE CURVE

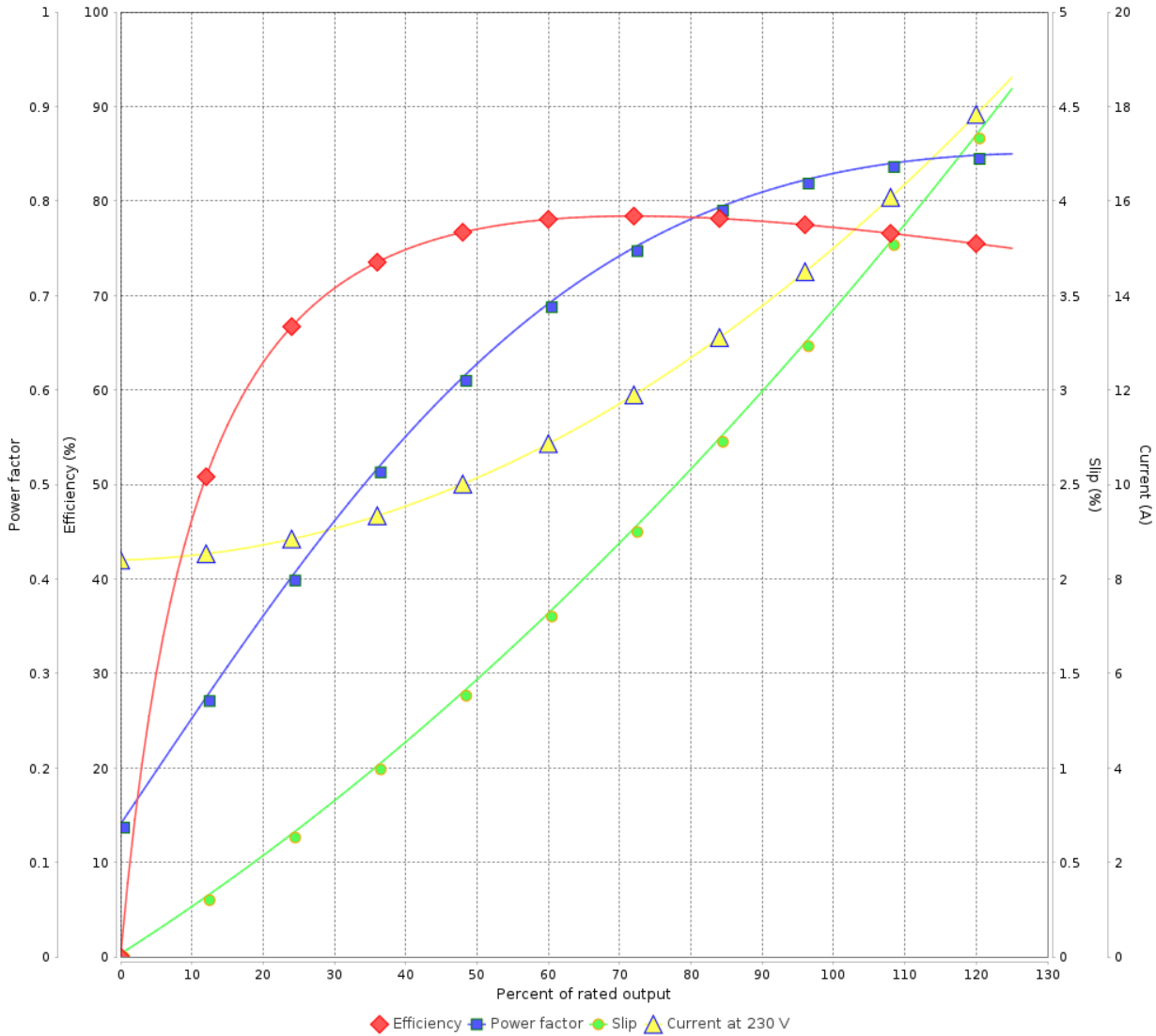
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10678036

LOAD PERFORMANCE CURVE



Performance : 230 V 60 Hz 2P

Rated current : 15.0 A	Moment of inertia (J) : 0.0028 kgm ²
LRC : 7.0	Duty cycle : Cont.(S1)
Rated torque : 0.627 kgfm	Insulation class : B
Locked rotor torque : 220 %	Service factor : 1.15
Breakdown torque : 229 %	Temperature rise : 80 K
Rated speed : 3475 rpm	

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	24/10/2024			