

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10744003		
Frame	:	F56HC		Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	2 HP (1.5 kW)		Temperature rise	: 80 K	
Poles	:	2		Duty cycle	: Cont.(S1)	
Frequency	:	60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	:	115/208-230 V		Altitude	: 1000 m.a.s.l.	
Rated current	:	20.0/10.6-10.0 A		Protection degree	: IP55	
L. R. Amperes	:	140/74.2-70.0 A		Cooling method	: IC411 - TEFC	
LRC	:	7.0x(Code K)		Mounting	: F-1	
No load current	:	9.00/3.88-4.50 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	:	3470 rpm		Noise level ²	: 55.0 dB(A)	
Slip	:	3.61 %		Starting method	: Direct On Line	
Rated torque	:	0.418 kgfm		Approx. weight ³	: 20.1 kg	
Locked rotor torque	:	250 %				
Breakdown torque	:	240 %				
Insulation class	:	B				
Service factor	:	1.15				
Moment of inertia (J)	:	0.0033 kgm ²				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	69.0	73.0	74.0	Max. traction	: 22 kgf	
Power Factor	0.72	0.81	0.87	Max. compression	: 42 kgf	
Bearing type	:	<u>Drive end</u>	6204 2RS	<u>Non drive end</u>	6203 2RS	
Sealing	:		V'Ring		V'Ring	
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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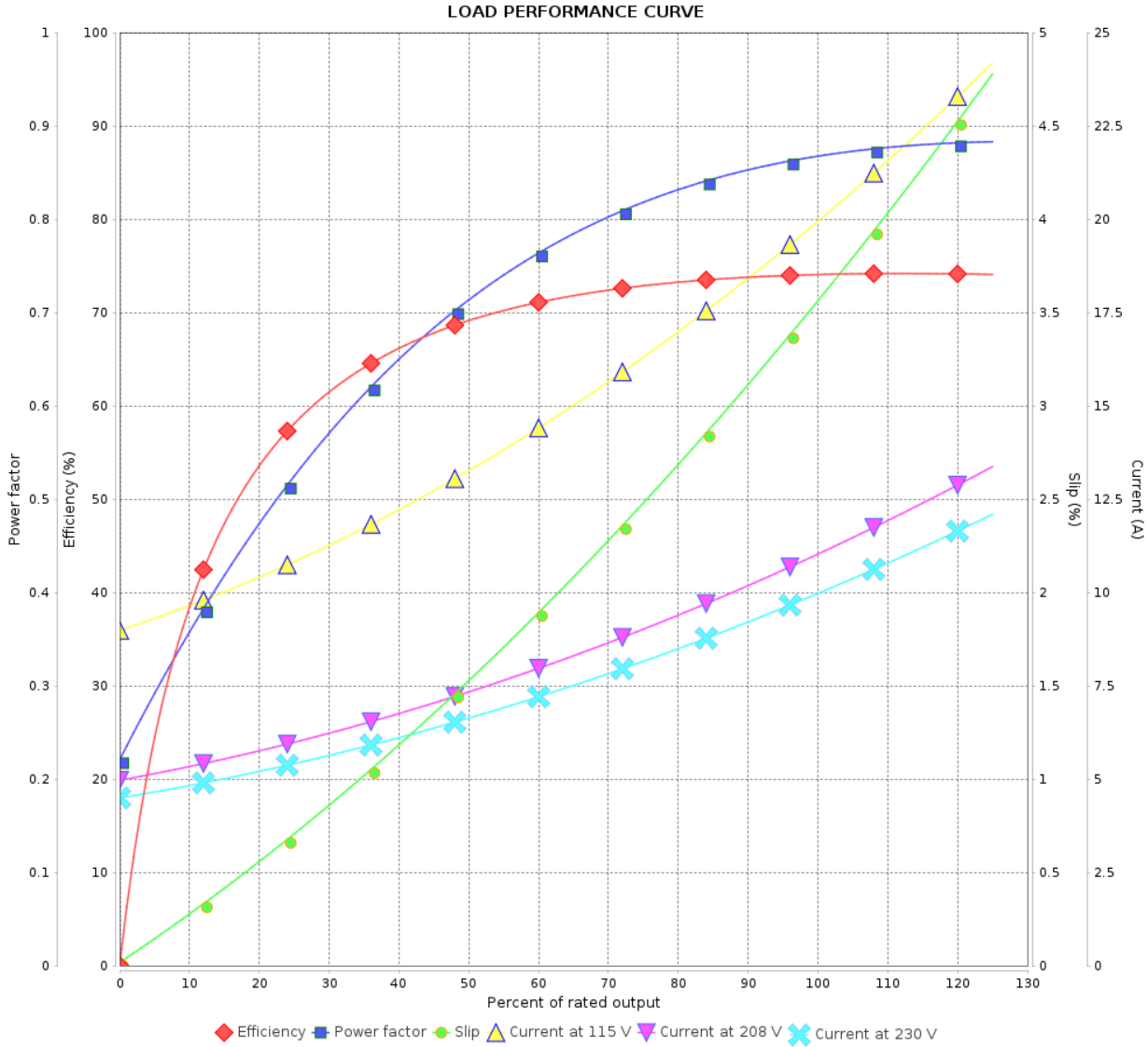
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Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10744003



Performance : 115/208-230 V 60 Hz 2P

Rated current : 20.0/10.6-10.0 A
 LRC : 7.0
 Rated torque : 0.418 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 240 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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