

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Explosion Proof Single-Phase			Product code : 10713866			
Frame	: D56CEX		Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 1 HP (0.75 kW)		Temperature rise	: 80 K		
Poles	: 4		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	: 11.4/6.00-5.70 A		Protection degree	: IP44		
L. R. Amperes	: 61.6/32.4-30.8 A		Cooling method	: IC411 - TEFC		
LRC	: 5.4x(Code H)		Mounting	: F-1		
No load current	: 6.50/2.80-3.25 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1740 rpm		Noise level ²	: 55.0 dB(A)		
Slip	: 3.33 %		Starting method	: Direct On Line		
Rated torque	: 0.417 kgfm		Approx. weight ³	: 21.0 kg		
Locked rotor torque	: 190 %					
Breakdown torque	: 210 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0060 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	72.1	74.7	74.9	Max. traction : 17 kgf		
Power Factor	0.56	0.68	0.75	Max. compression : 38 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6203 ZZ		6203 ZZ		
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	15/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

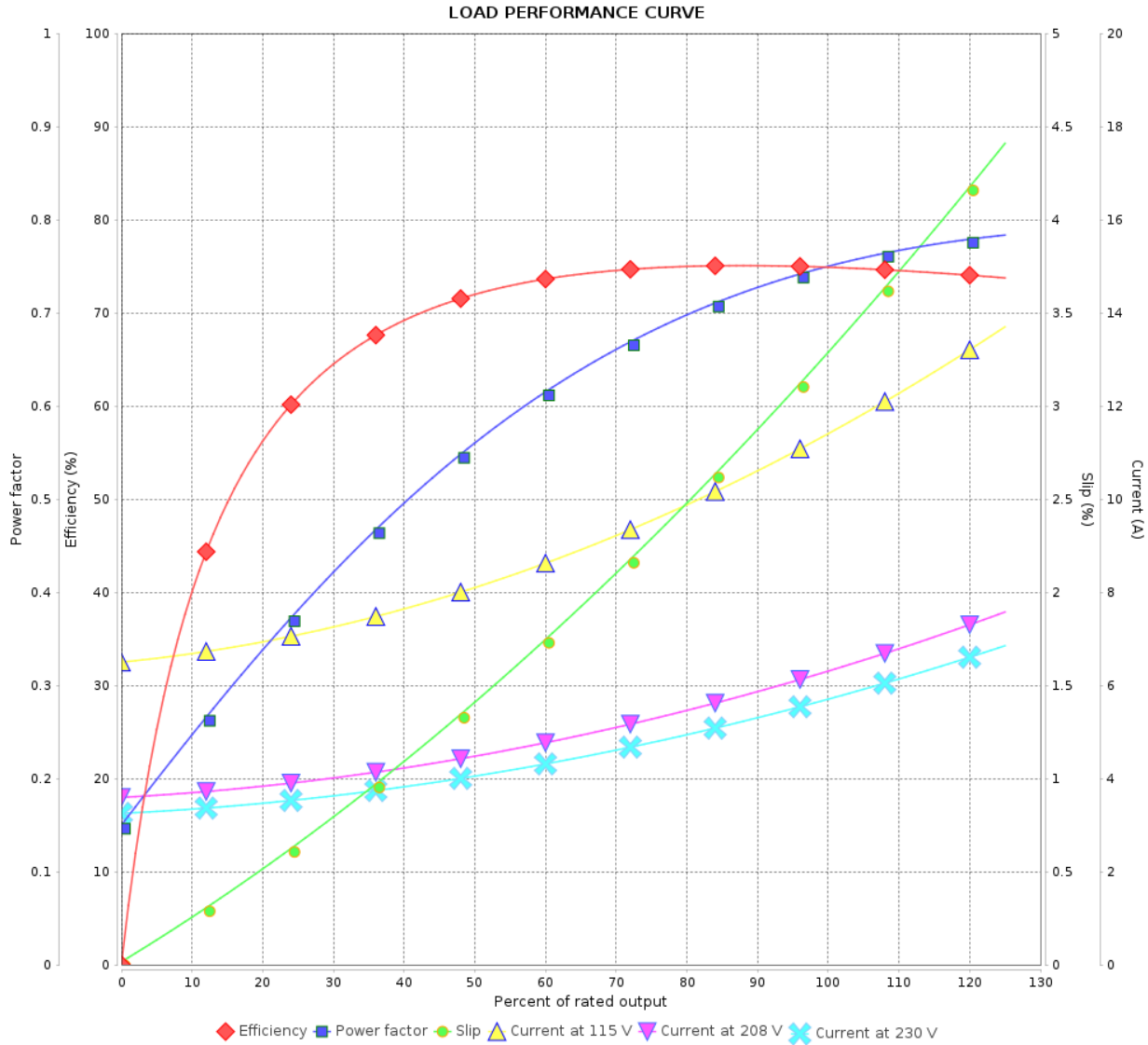
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Single-Phase

Product code : 10713866



Performance : 115/208-230 V 60 Hz 4P

Rated current : 11.4/6.00-5.70 A
 LRC : 5.4
 Rated torque : 0.417 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				