

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Compressor Duty Single-Phase		Product code : 10932866	
Frame	: D56		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	: 22.0/12.0-11.0 A		Protection degree	: IP21	
L. R. Amperes	: 125/68.4-62.7 A		Cooling method	: IC01 - ODP	
LRC	: 5.7x(Code J)		Mounting	: F-1	
No load current	: 11.0/4.74-5.50 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3440 rpm		Starting method	: Direct On Line	
Slip	: 4.44 %		Approx. weight ³	: 14.6 kg	
Rated torque	: 0.422 kgfm				
Locked rotor torque	: 210 %				
Breakdown torque	: 190 %				
Insulation class	: B				
Service factor	: 1.00				
Moment of inertia (J)	: 0.0021 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	67.0	70.0	70.0	Max. traction : 18 kgf	
Power Factor	0.67	0.77	0.84	Max. compression : 33 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6204 ZZ	6203 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	21/12/2024			1 / 2	

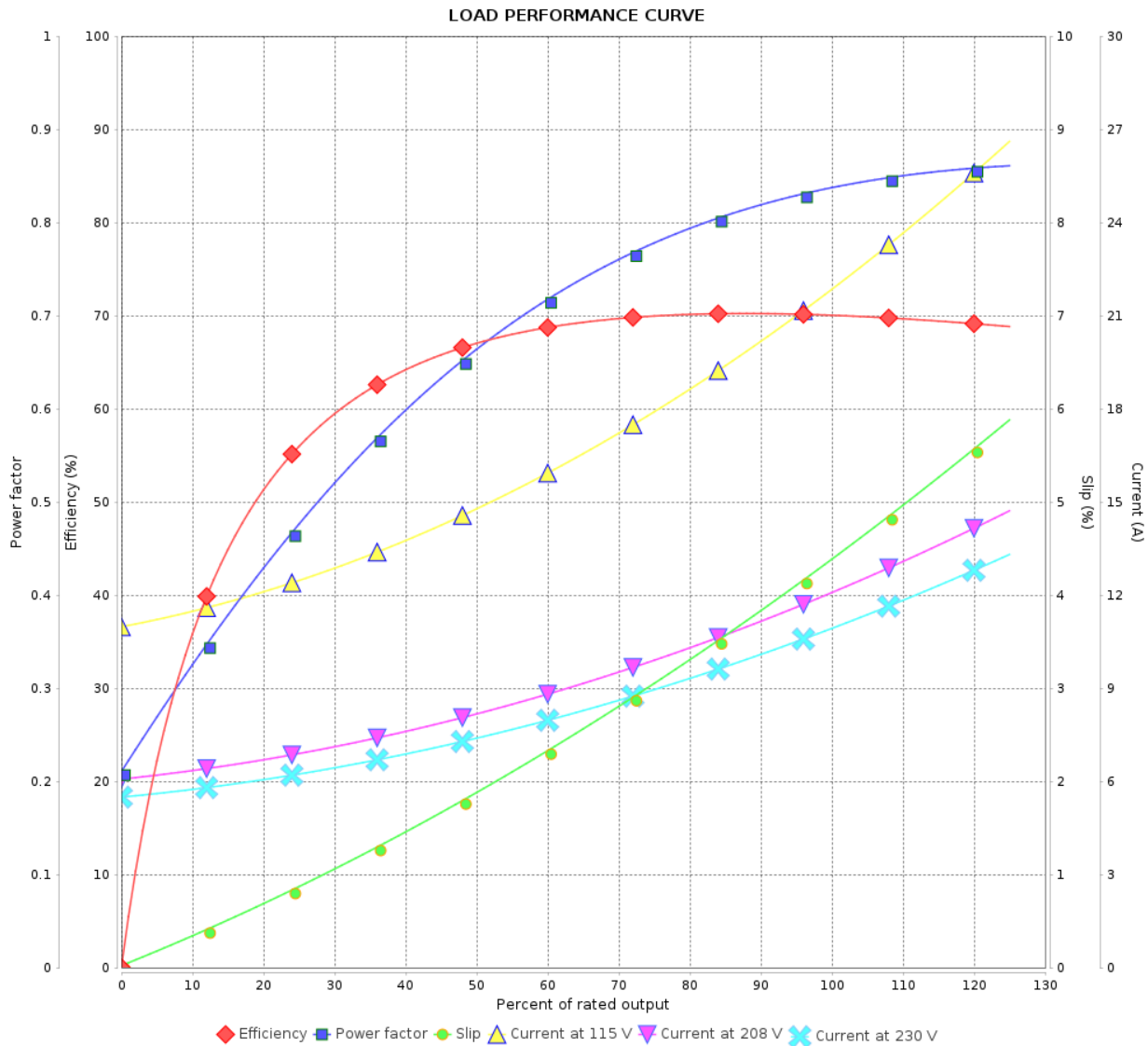
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase Product code : 10932866



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

Rated current : 22.0/12.0-11.0 A
 LRC : 5.7
 Rated torque : 0.422 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 190 %
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0021 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	21/12/2024			

