

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 00022 Single-Phase			Product code : 14229635			
Frame	: 182/4T			Locked rotor time	: 12s (cold) 7s (hot)	
Output	: 5 HP (3.7 kW)			Temperature rise	: 80 K	
Poles	: 4			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	: 21.4 A			Protection degree	: IP55	
L. R. Amperes	: 139 A			Cooling method	: IC411 - TEFC	
LRC	: 6.5x(Code H)			Mounting	: F-1	
No load current	: 8.00 A			Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1730 rpm			Noise level ²	: 60.0 dB(A)	
Slip	: 3.89 %			Starting method	: Direct On Line	
Rated torque	: 2.10 kgfm			Approx. weight ³	: 53.8 kg	
Locked rotor torque	: 360 %					
Breakdown torque	: 235 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0184 kgm ²					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	70.8	72.5	78.5	80.0	Max. traction	: 76 kgf
Power Factor	0.59	0.89	0.93	0.94	Max. compression	: 130 kgf
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:		6207 2RS		6206 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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LOAD PERFORMANCE CURVE

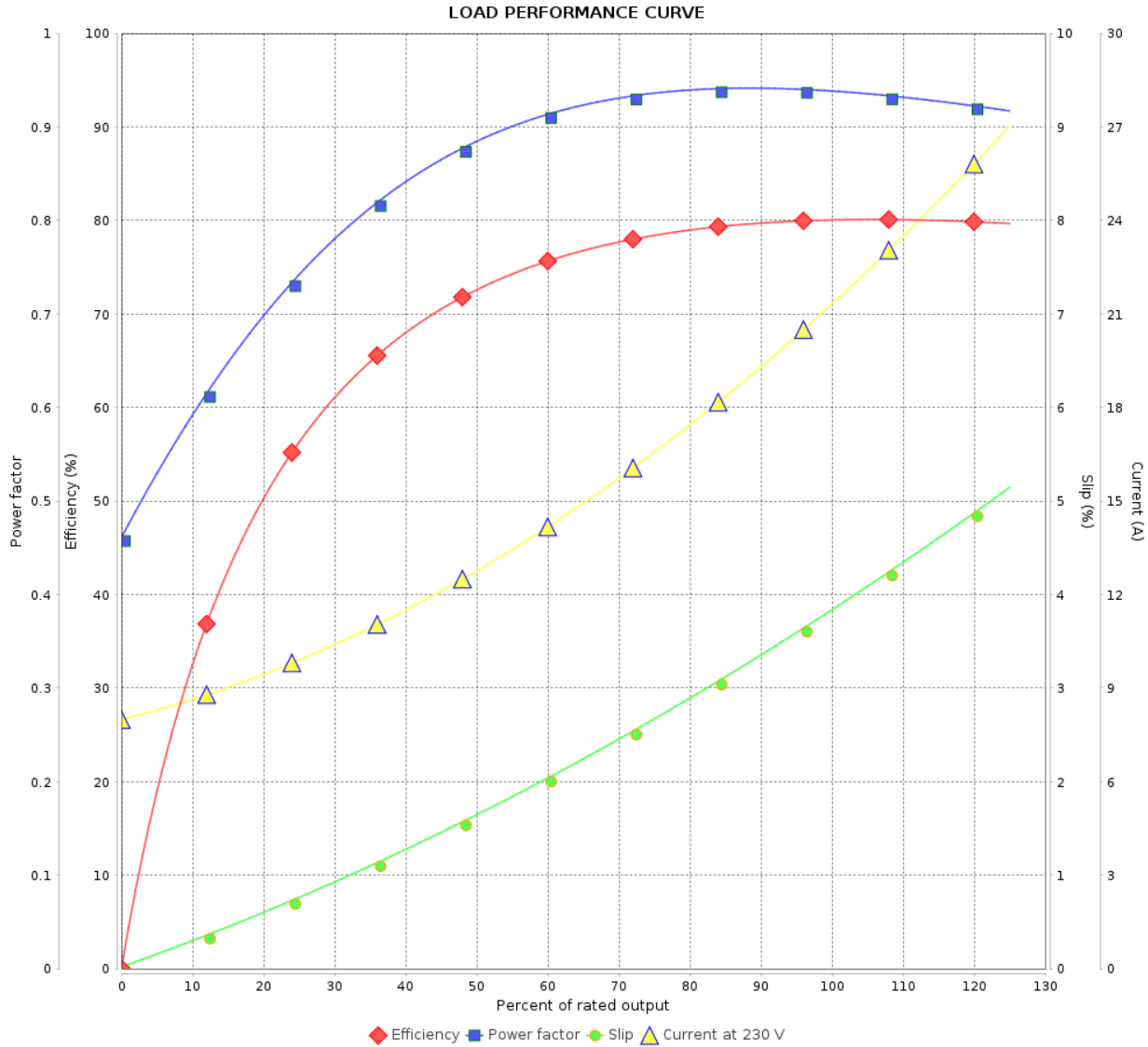
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 00022 Single-Phase

Product code : 14229635



Performance : 230 V 60 Hz 4P

Rated current : 21.4 A
 LRC : 6.5
 Rated torque : 2.10 kgfm
 Locked rotor torque : 360 %
 Breakdown torque : 235 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0184 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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