

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14145114			
Frame : 182/4T Output : 5 HP (3.7 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 20.5-19.0/9.50 A L. R. Amperes : 146-135/67.5 A LRC : 7.1x(Code G) No load current : 3.36-3.90/1.95 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 1.03 kgfm Locked rotor torque : 280 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0091 kgm ²	Locked rotor time : 12s (cold) 7s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 72.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 49.3 kg				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0	84.0	85.5	Max. traction : 29 kgf	
Power Factor	0.96	0.99	0.99	Max. compression : 78 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6207 ZZ		6206 ZZ	
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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	27/10/2024			1 / 2	

LOAD PERFORMANCE CURVE

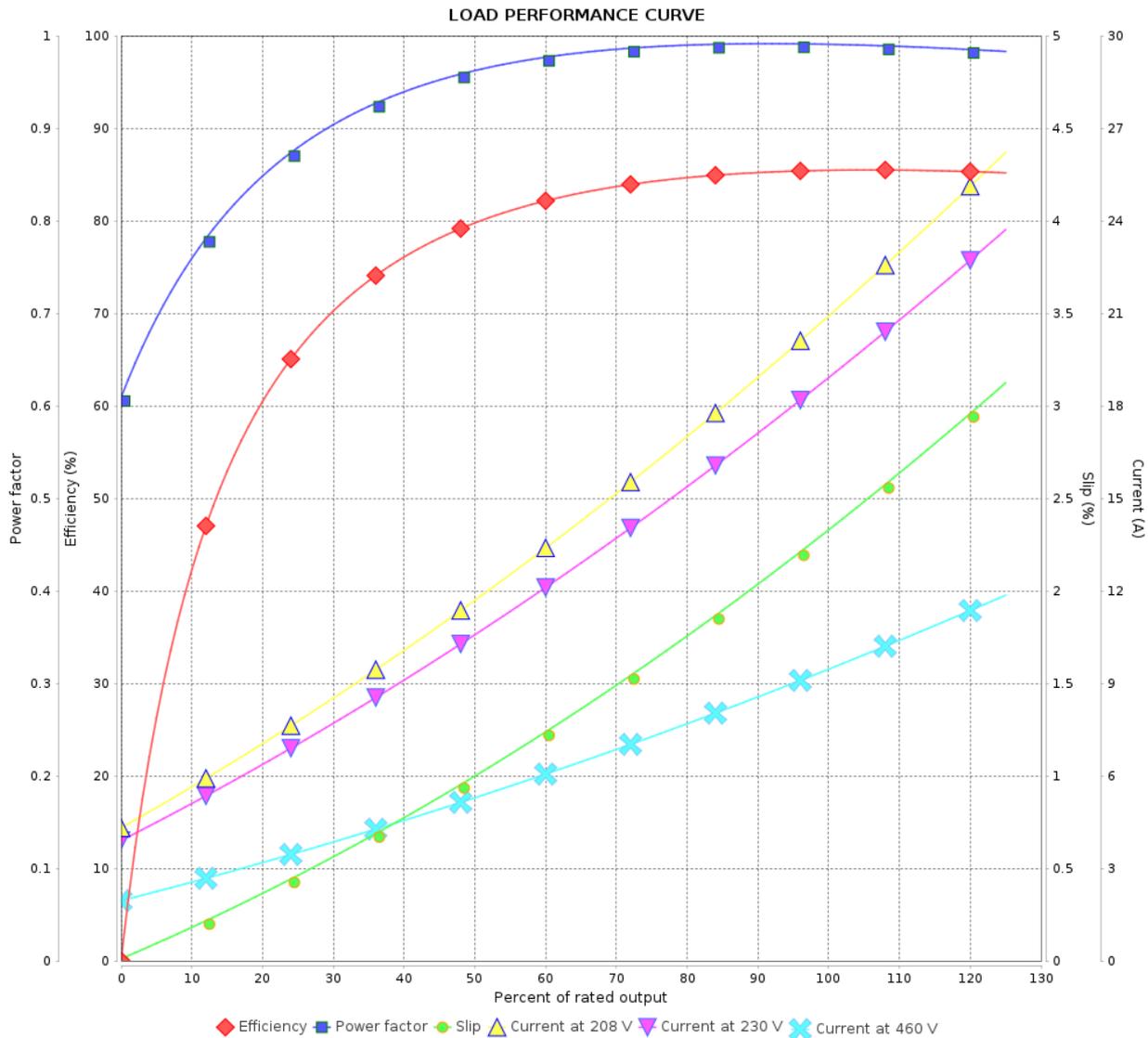
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 Single-Phase

Product code : 14145114



Performance : 208-230/460 V 60 Hz 2P

Rated current : 20.5-19.0/9.50 A
 LRC : 7.1
 Rated torque : 1.03 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 250 %
 Rated speed : 3515 rpm

Moment of inertia (J) : 0.0091 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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