

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - C type Single-Phase			
Product code :	15366043			
Frame	: 56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Design	: L			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation <sup>1</sup>	: CCW			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 20.8 kg			
Moment of inertia (J)	: 0.0040 kgm <sup>2</sup>			
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230			
Rated current [A]	12.2			
L. R. Amperes [A]	100			
LRC [A]	8.2x(Code J)			
No load current [A]	3.90			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.622			
Locked rotor torque [%]	220			
Breakdown torque [%]	280			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level <sup>2</sup>	58.0 dB(A)			
Efficiency (%)	25%			
	50%	76.0		
	75%	81.0		
	100%	84.1		
Power Factor	25%			
	50%	0.87		
	75%	0.92		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
Sealing	: Without Without Bearing Seal Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 45 kgf Max. compression : 66 kgf			
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	17/05/2022		1 / 2	

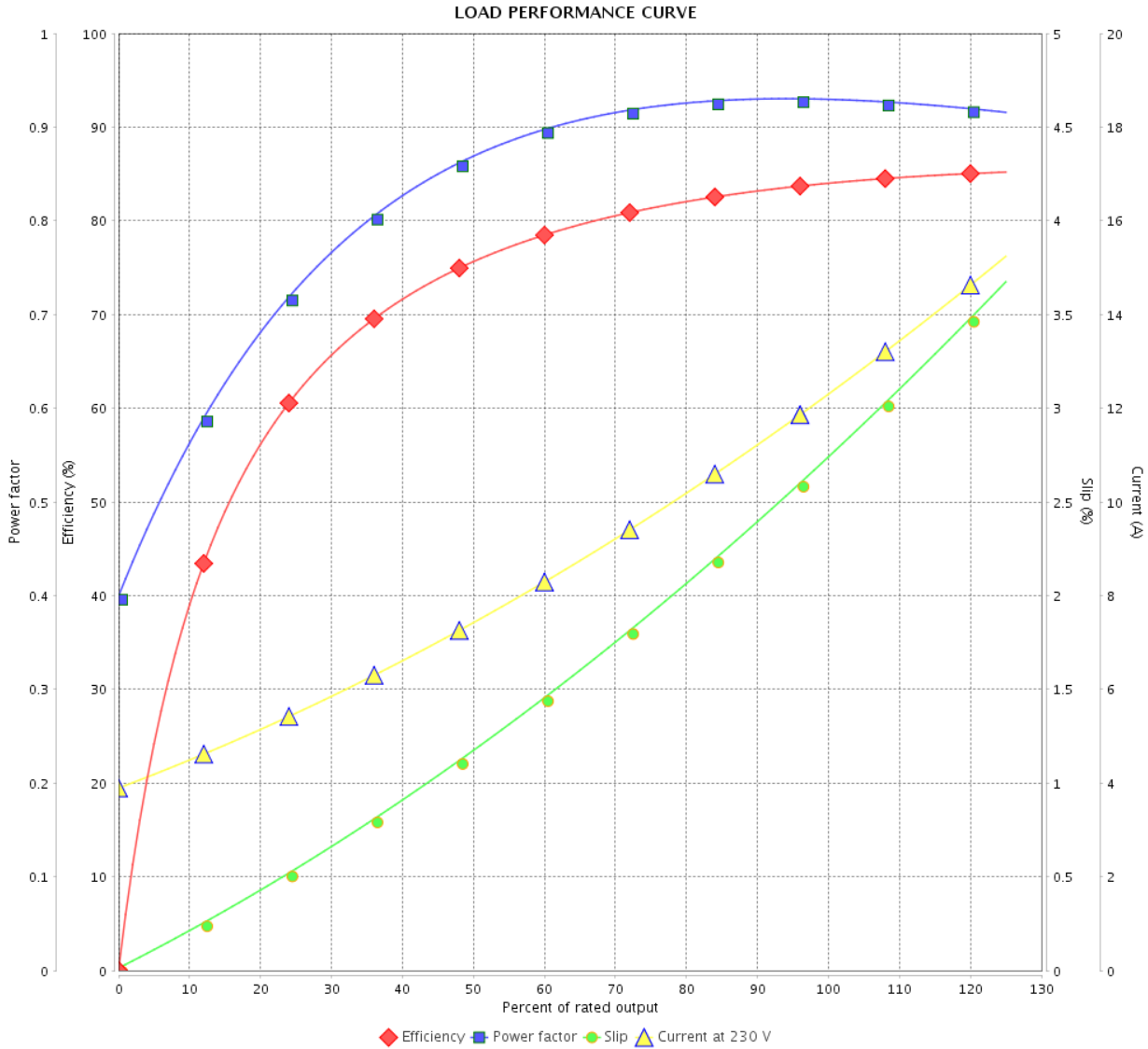
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 15366043



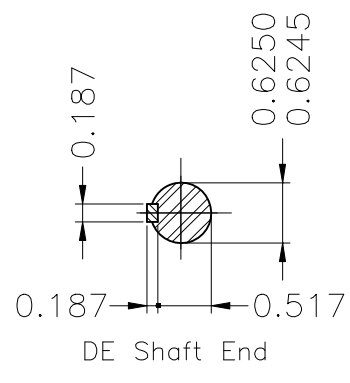
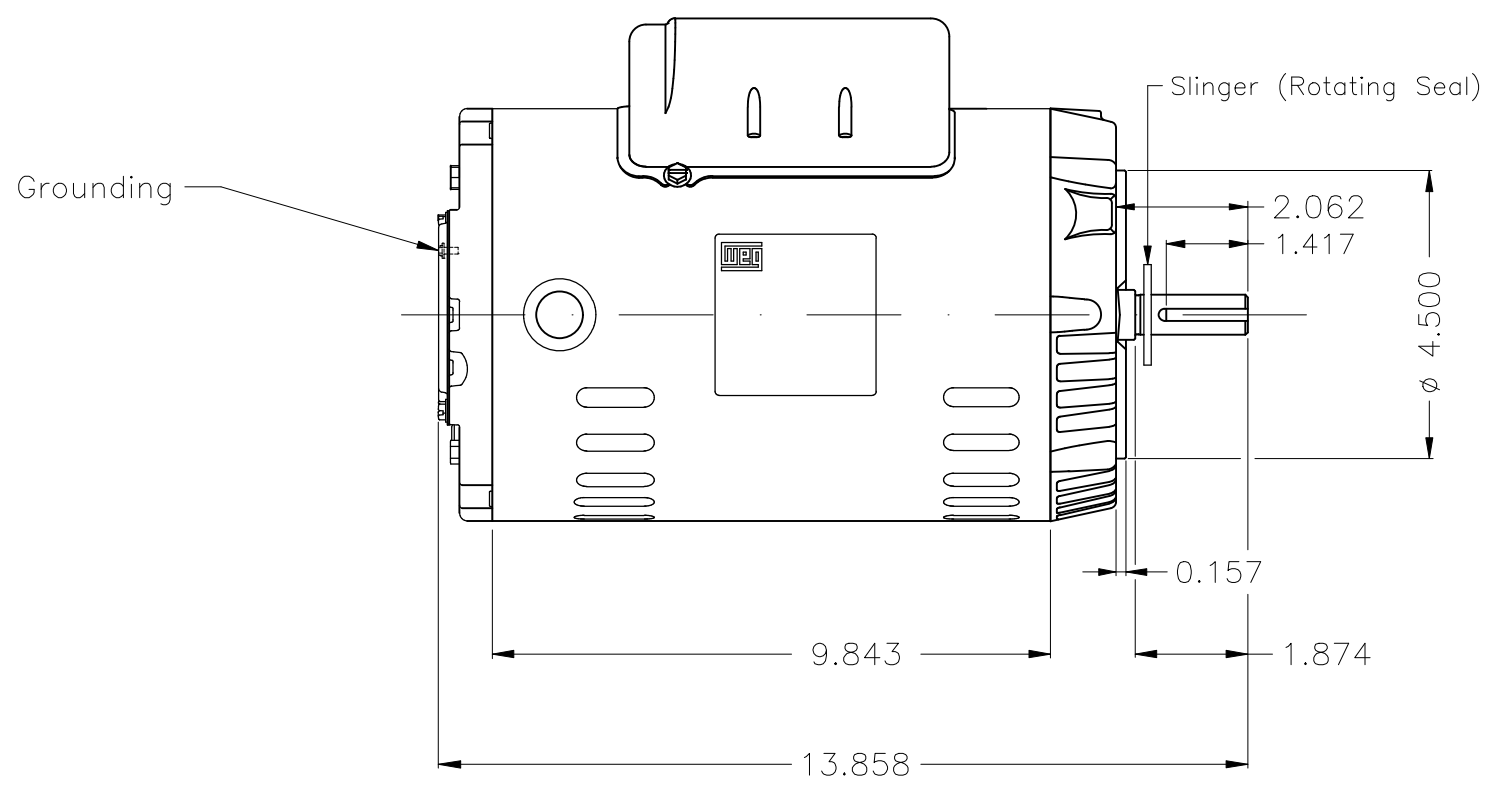
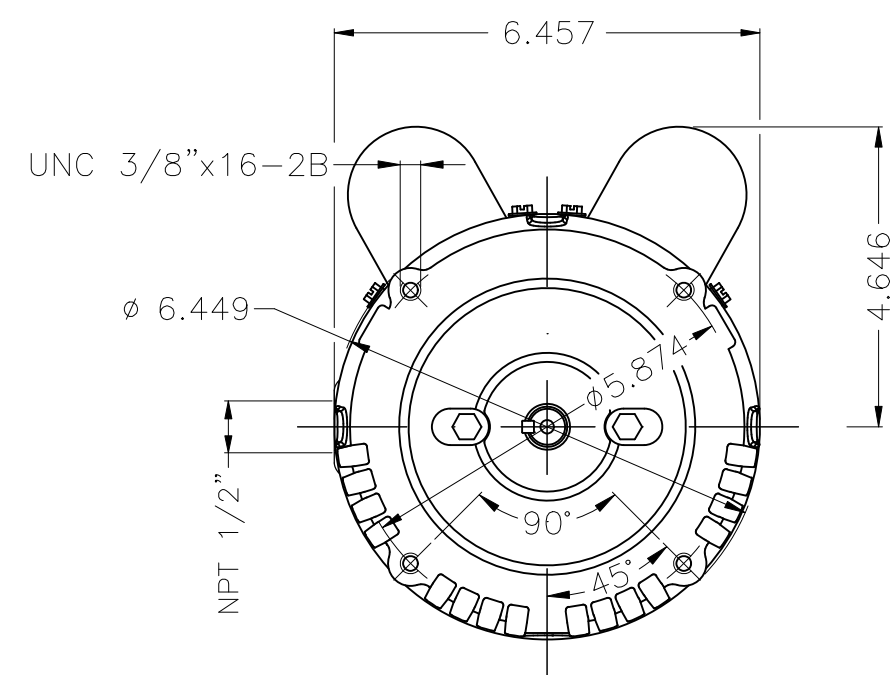
Performance : 230 V 60 Hz 2P

Rated current	: 12.2 A	Moment of inertia (J)	: 0.0040 kgm <sup>2</sup>
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			

1 2 3 4 5 6

A  
B  
C  
D  
E



Color Munsell N 1 matte black						
Painting plan 207N						
Mounting F-1/B14R(D)						
HYBRISUSER						
00						
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL JET PUMP KEYED PREM. EFF.				
CHECKED		FRAME 56C IP21 ODP				
RELEASED						
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1

3 HP 02 Poles 60 Hz

A

