

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Wjet Pump Single-Phase Start Capacitor		Product code : 10020161	
Frame	: E56J		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 1.5 HP (1.1 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	: 17.0/8.90-8.50 A		Protection degree	: IP21	
L. R. Amperes	: 96.9/50.7-48.5 A		Cooling method	: IC01 - ODP	
LRC	: 5.7x(Code J)		Mounting	: F-1	
No load current	: 9.60/4.14-4.80 A		Rotation ¹	: CCW	
Rated speed	: 3470 rpm		Starting method	: Direct On Line	
Slip	: 3.61 %		Approx. weight ²	: 13.7 kg	
Rated torque	: 0.314 kgfm				
Locked rotor torque	: 130 %				
Breakdown torque	: 250 %				
Insulation class	: B				
Service factor	: 1.30				
Moment of inertia (J)	: 0.0162 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	63.2	67.8	68.8	Max. traction : 18 kgf	
Power Factor	0.64	0.74	0.82	Max. compression : 32 kgf	
Bearing type	:	<u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6203 2RS		
Sealing	:	Slinger	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	24/10/2024			1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

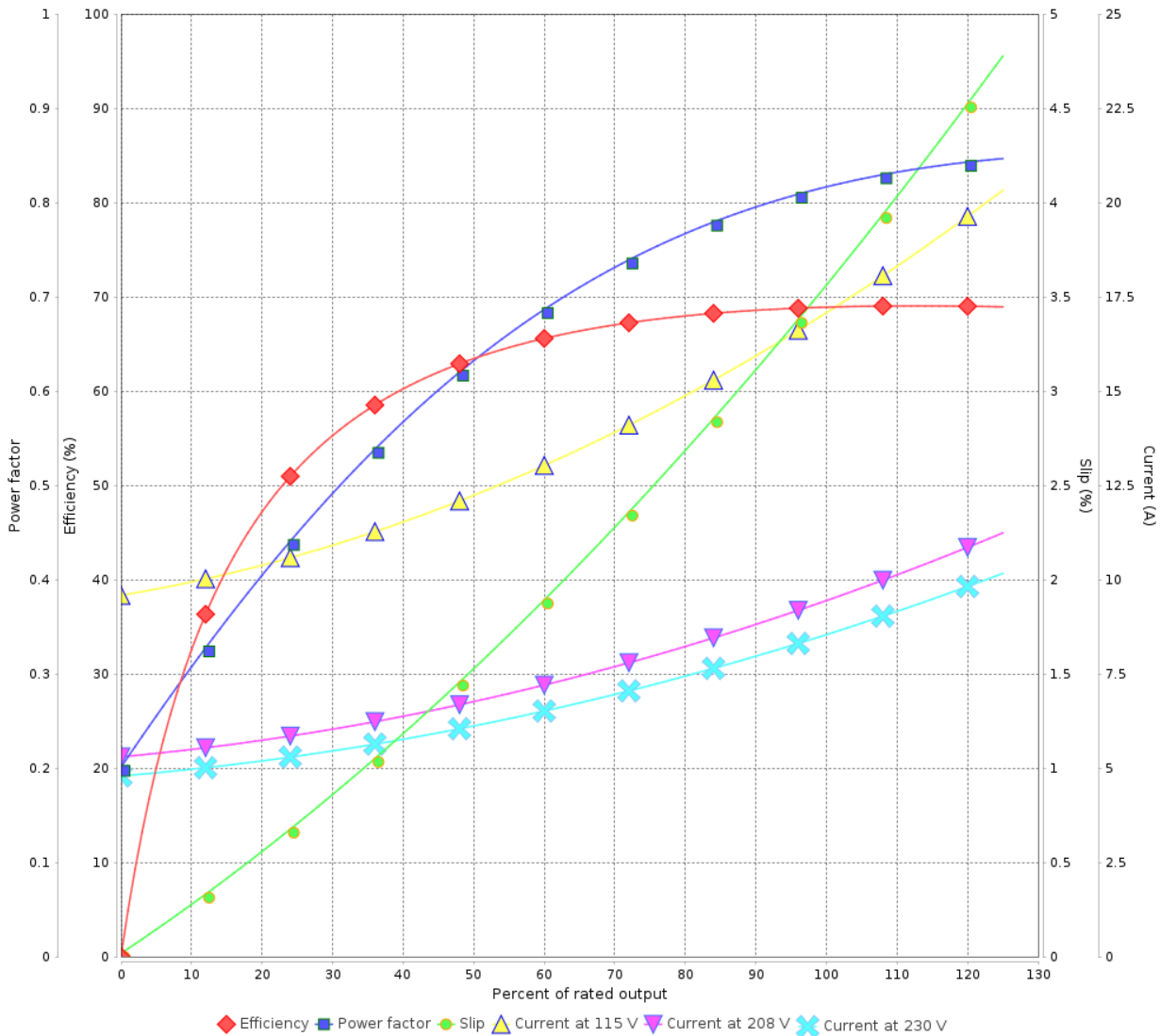


Customer :

Product line : Wjet Pump Single-Phase Start Capacitor

Product code : 10020161

LOAD PERFORMANCE CURVE



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

Rated current : 17.0/8.90-8.50 A
 LRC : 5.7
 Rated torque : 0.314 kgfm
 Locked rotor torque : 130 %
 Breakdown torque : 250 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0162 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			2 / 2	
Date	24/10/2024			

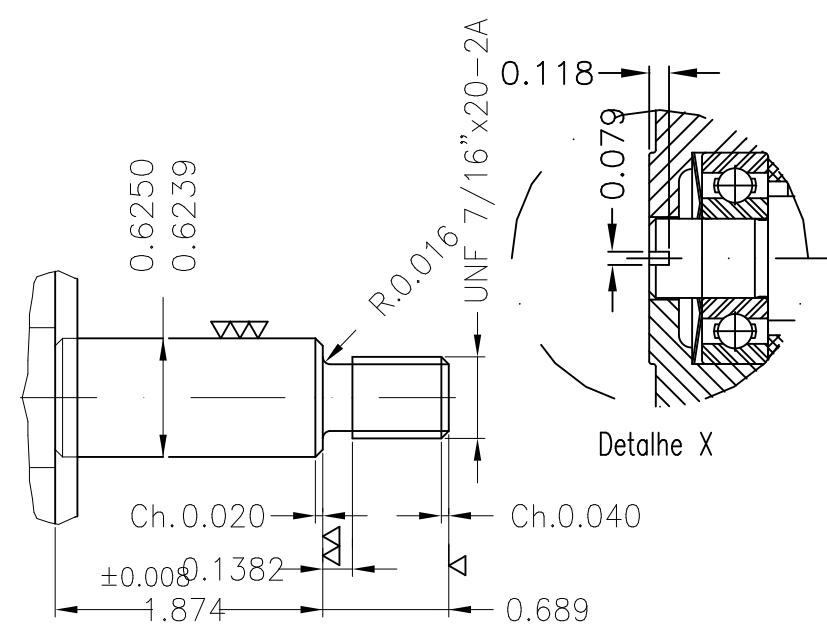
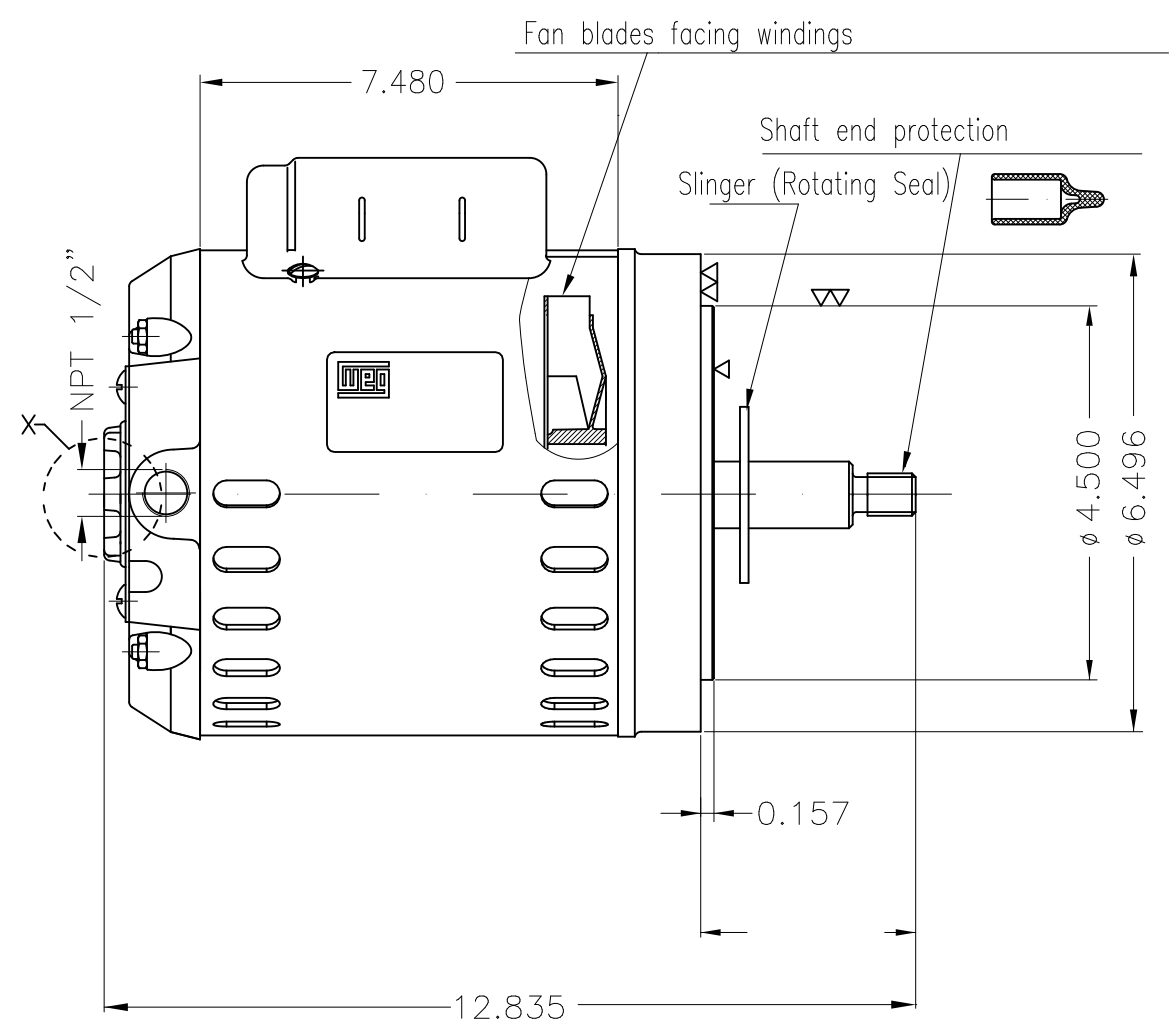
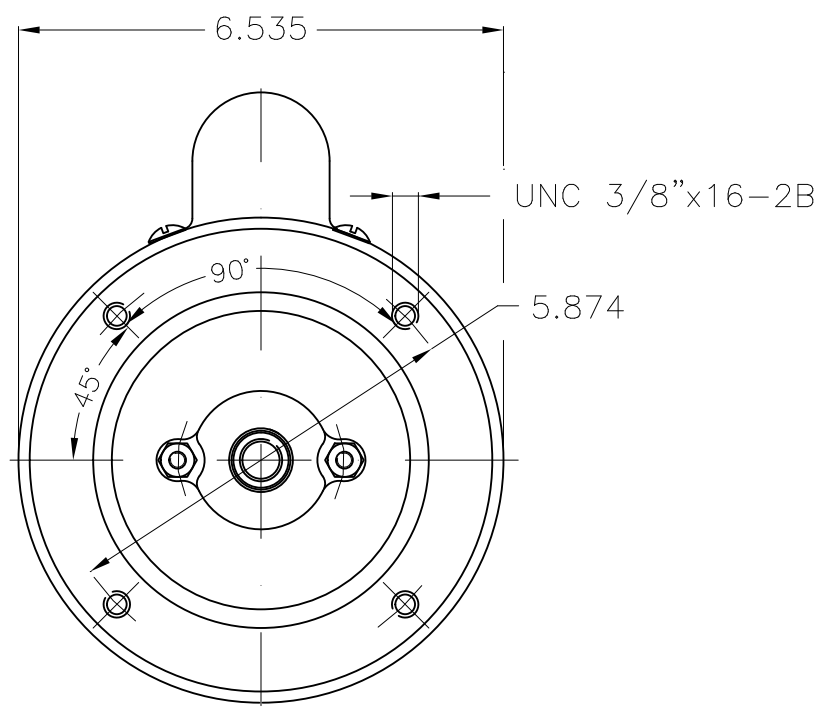
A

B

C

D

E



Mounting B14R(D)						
ECM	LOC	SUMMARY OF MODIFICATIONS			HYBRISUSER	00
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR WJET PUMP			EXECUTED	CHECKED
CHECKED		FRAME E56J IP21 ODP			RELEASED	DATE
RELEASED						VER
REL. DATE		WMO	Jaragua do Sul	Product Engineering	PREVIEW	
					WDD	00
					SHEET 1 / 1	

1.5 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

