

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 14733578		
Frame	: 56H	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 21.8 kg		
Design	: L	Moment of inertia (J) : 0.0057 kgm ²		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		13.0/7.52-6.49		
L. R. Amperes [A]		105/60.9-52.6		
LRC [A]		8.1x(Code K)		
No load current [A]		4.60/1.98-2.30		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.626		
Locked rotor torque [%]		320		
Breakdown torque [%]		229		
Service factor				
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	80.5		
	75%	83.0		
	100%	83.8		
Power Factor	25%			
	50%	0.78		
	75%	0.85		
	100%	0.88		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 35 kgf		
Lubrication interval	: - -	Max. compression : 57 kgf		
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	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

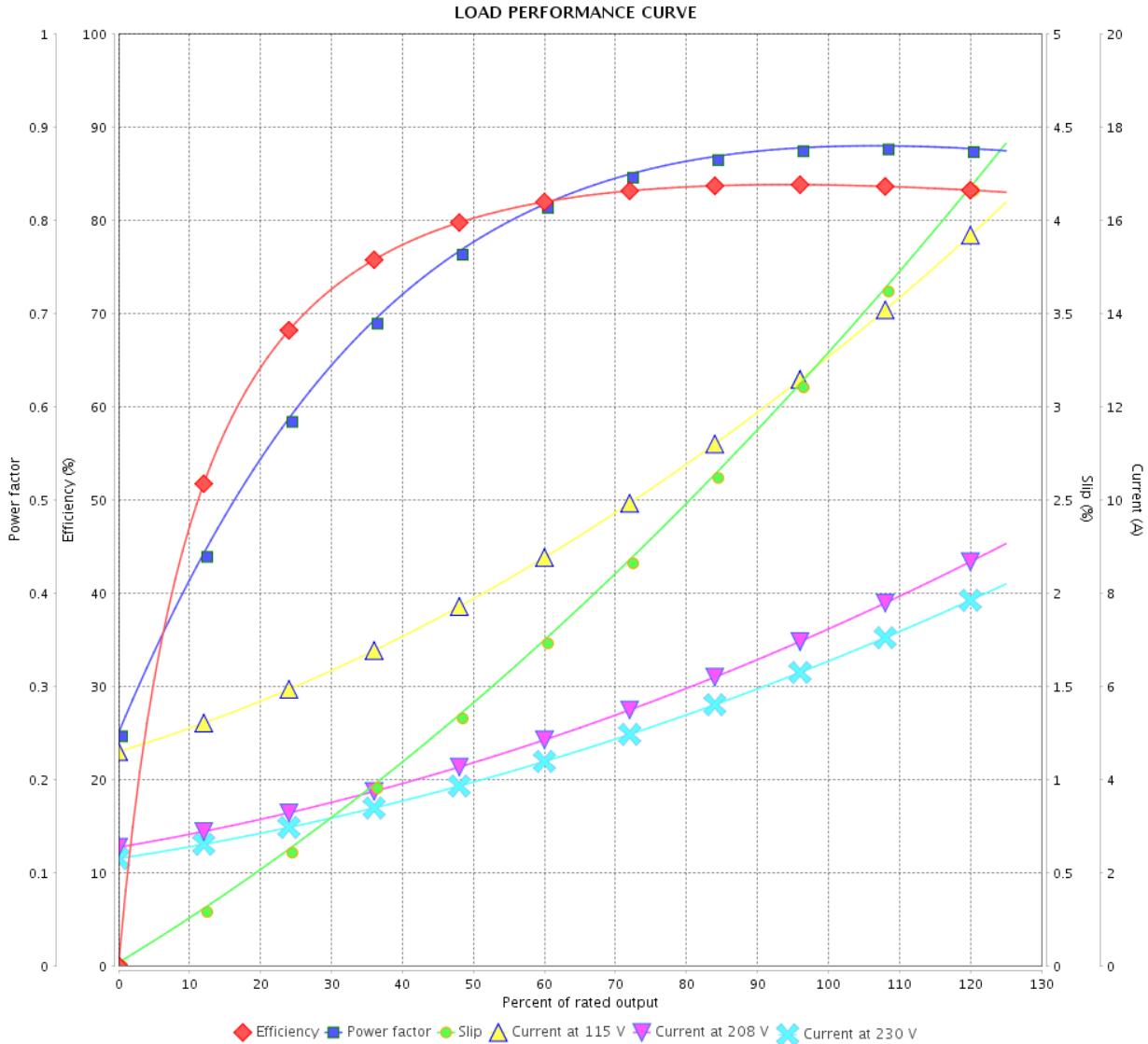
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14733578



Performance : 115/208-230 V 60 Hz 4P

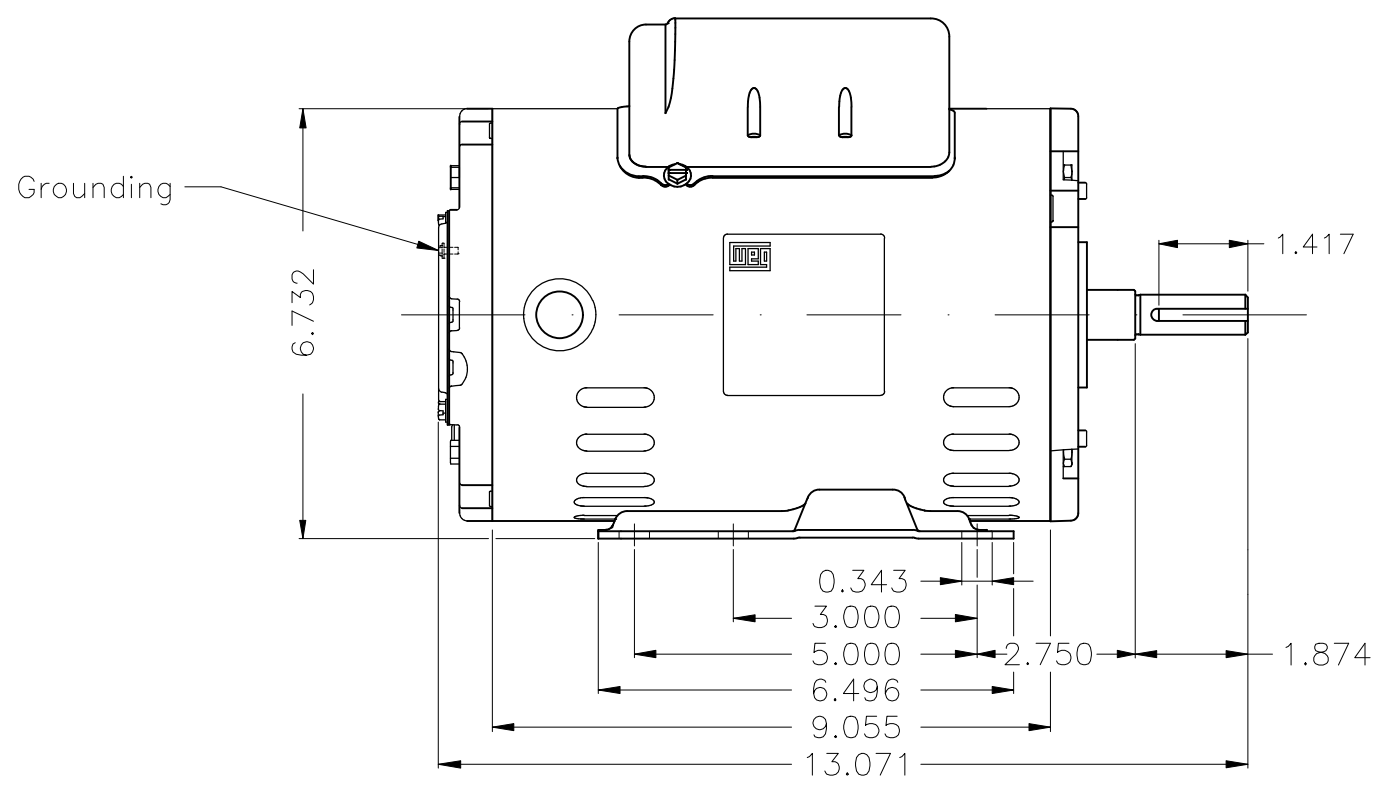
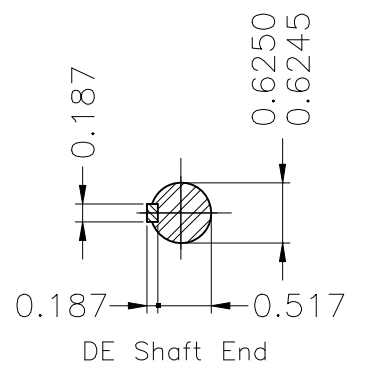
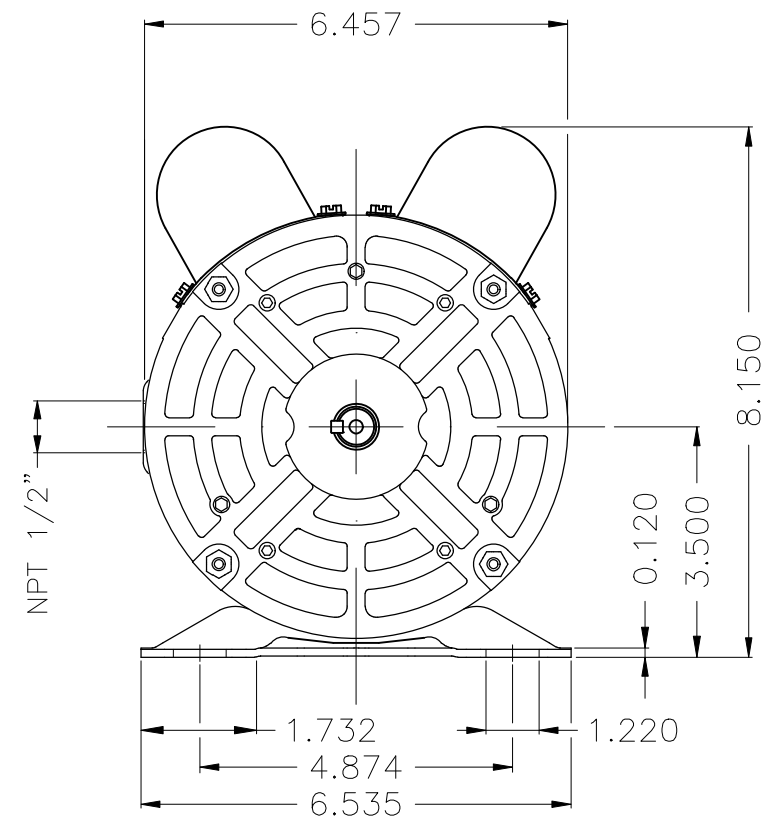
Rated current : 13.0/7.52-6.49 A
 LRC : 8.1
 Rated torque : 0.626 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 229 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0057 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
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1 2 3 4 5 6

A
B
C
D
E



Packing - pallet												
Color Munsell N 1 matte black												
Painting plan 207N												
Mounting F-1/B3R(D)												
								HYBRISUSER		00		
ECM		LOC		SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED		HYBRISUSER		SINGLE PH. MOTOR ROLLED STEEL PREM. EFF.				EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED				FRAME 56H IP21 ODP				EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED								EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE		WMO		Jaragua do Sul				Product Engineering	SHEET	1 / 1		

1.5 HP 04 Poles 60 Hz

A

