

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Single-Phase		Product code : 13624378			
Frame : W56	Insulation class : F	Cooling method : IC01 - ODP	Mounting : F-1		
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.	Design : N	Approx. weight ³ : 10.4 kg	Moment of inertia (J) : 0.0022 kgm ²		
Output [HP]	0.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	4.86/3.04-2.43				
L. R. Amperes [A]	37.4/23.4-18.7				
LRC [A]	7.7x(Code K)				
No load current [A]	2.70/1.16-1.35				
Rated speed [RPM]	1730				
Slip [%]	3.89				
Rated torque [kgfm]	0.210				
Locked rotor torque [%]	300				
Breakdown torque [%]	270				
Service factor					
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	65.0			
	75%	73.0			
	100%	76.2			
Power Factor	25%				
	50%	0.72			
	75%	0.81			
	100%	0.87			
Bearing type : 6203 ZZ	Drive end	Non drive end	Foundation loads		
Sealing : Without			Max. traction : 12 kgf		
	Bearing Seal	Bearing Seal	Max. compression : 23 kgf		
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					
Date	17/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

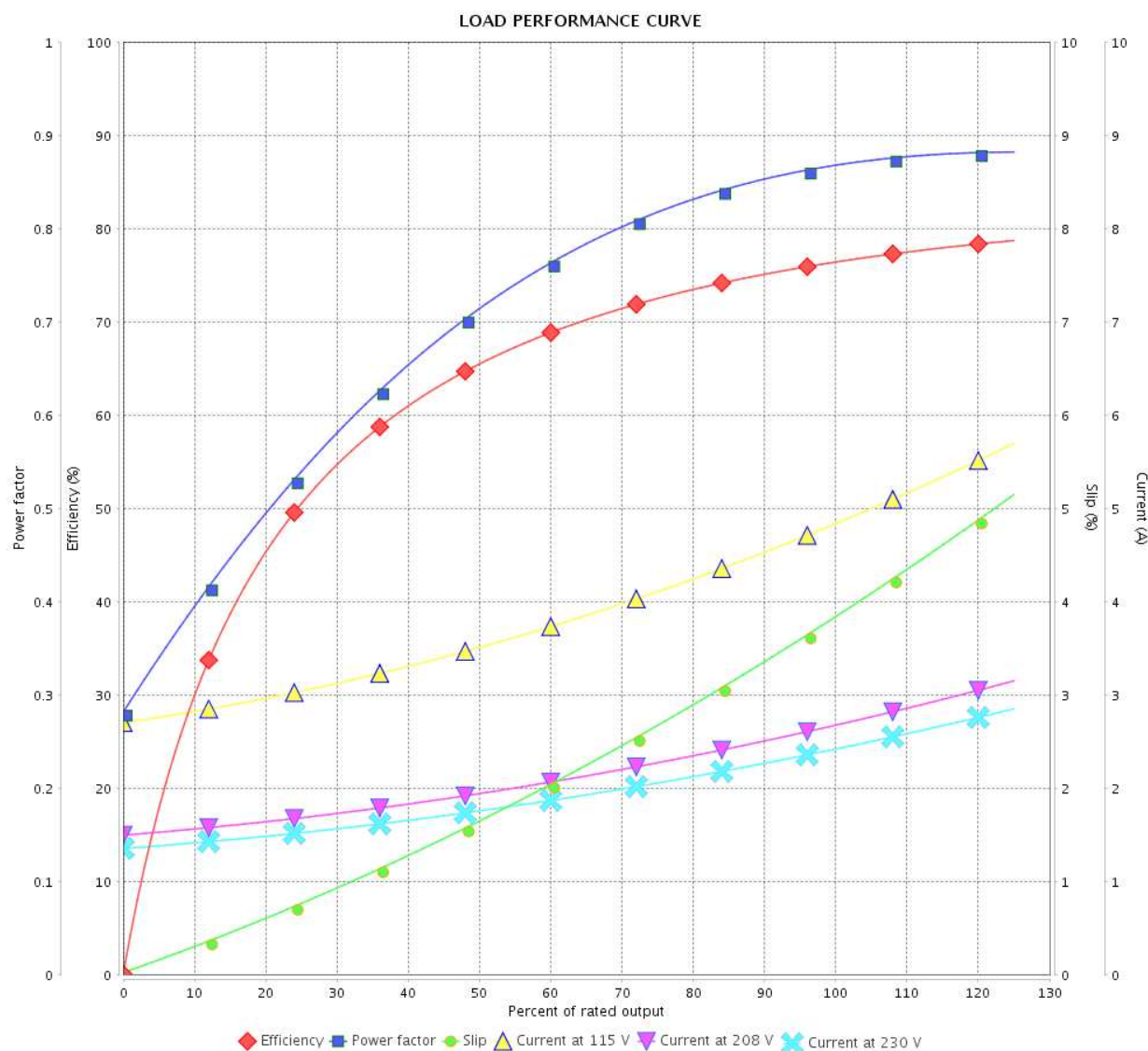
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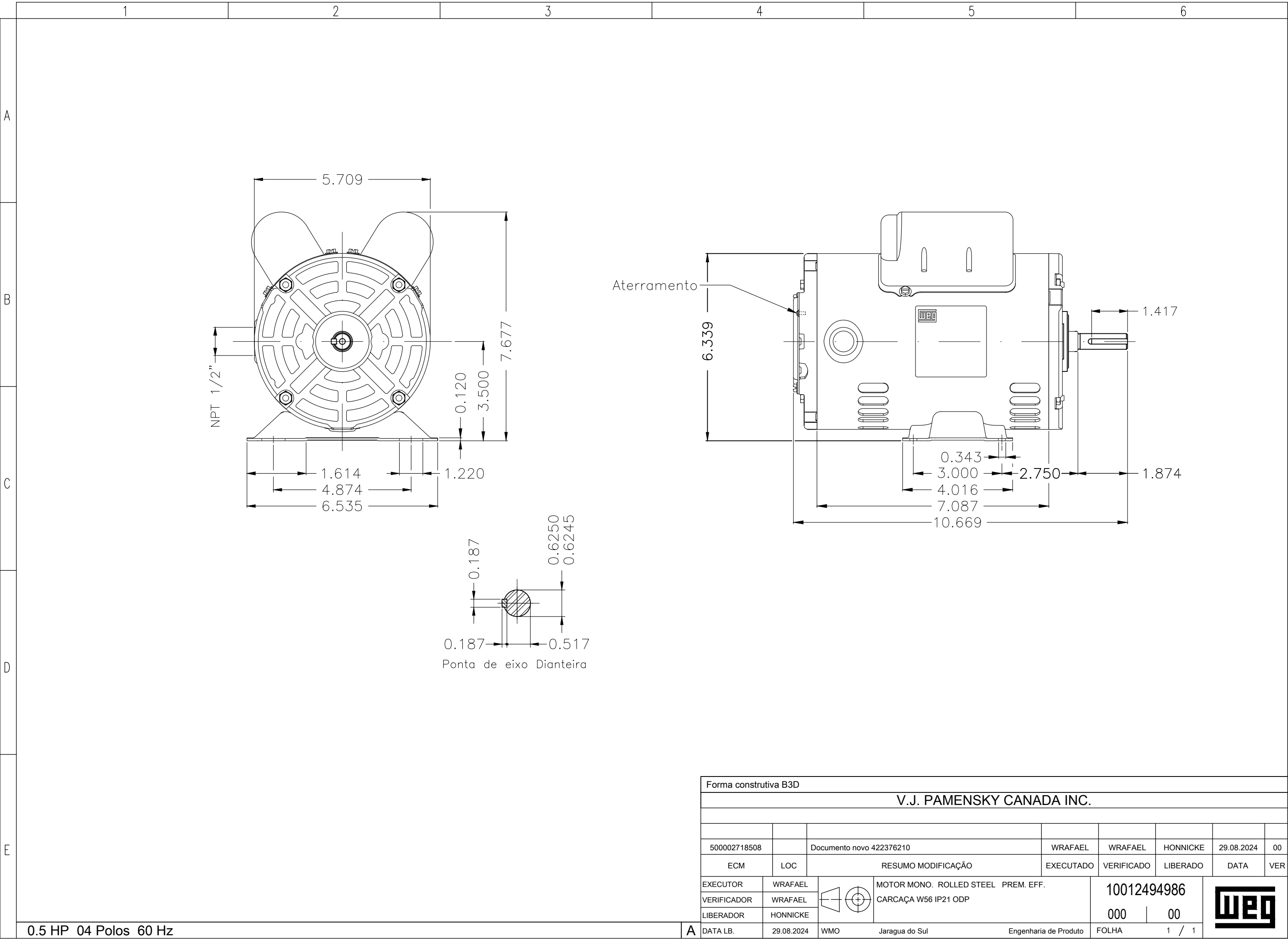


Performance : 115/208-230 V 60 Hz 4P

Rated current : 4.86/3.04-2.43 A
 LRC : 7.7
 Rated torque : 0.210 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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Forma construtiva B3D							
V.J. PAMENSKY CANADA INC.							
500002718508		Documento novo 422376210	WRAFAEL	WRAFAEL	HONNICKE	29.08.2024	00
ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER
EXECUTOR	WRAFAEL		MOTOR MONO. ROLLED STEEL PREM. EFF. CARÇA W56 IP21 ODP			10012494986 000 00	
VERIFICADOR	WRAFAEL						
LIBERADOR	HONNICKE						
DATA LB.	29.08.2024	WMO	Jaragua do Sul	Engenharia de Produto	FOLHA	1 / 1	

0.5 HP 04 Polos 60 Hz

A