

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 12676955
Frame	: 213/5JM	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	: 56.7 kg	
Design	: B	Moment of inertia (J)	: 0.0196 kgm ²	
Output [HP]	10			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	9.60			
L. R. Amperes [A]	65.3			
LRC [A]	6.8x(Code H)			
No load current [A]	3.73			
Rated speed [RPM]	3535			
Slip [%]	1.81			
Rated torque [kgfm]	2.05			
Locked rotor torque [%]	200			
Breakdown torque [%]	280			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	19s (cold) 11s (hot)			
Noise level ²	66.0 dB(A)			
Efficiency (%)	25%	88.3		
	50%	88.5		
	75%	89.5		
	100%	89.5		
Power Factor	25%	0.47		
	50%	0.74		
	75%	0.84		
	100%	0.88		
Bearing type	: Drive end 6209 ZZ	Non drive end 6206 ZZ	Foundation loads	
Sealing	: Without	Without	Max. traction : 78 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 134 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
Performed by				
Checked by			Page	Revision
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LOAD PERFORMANCE CURVE

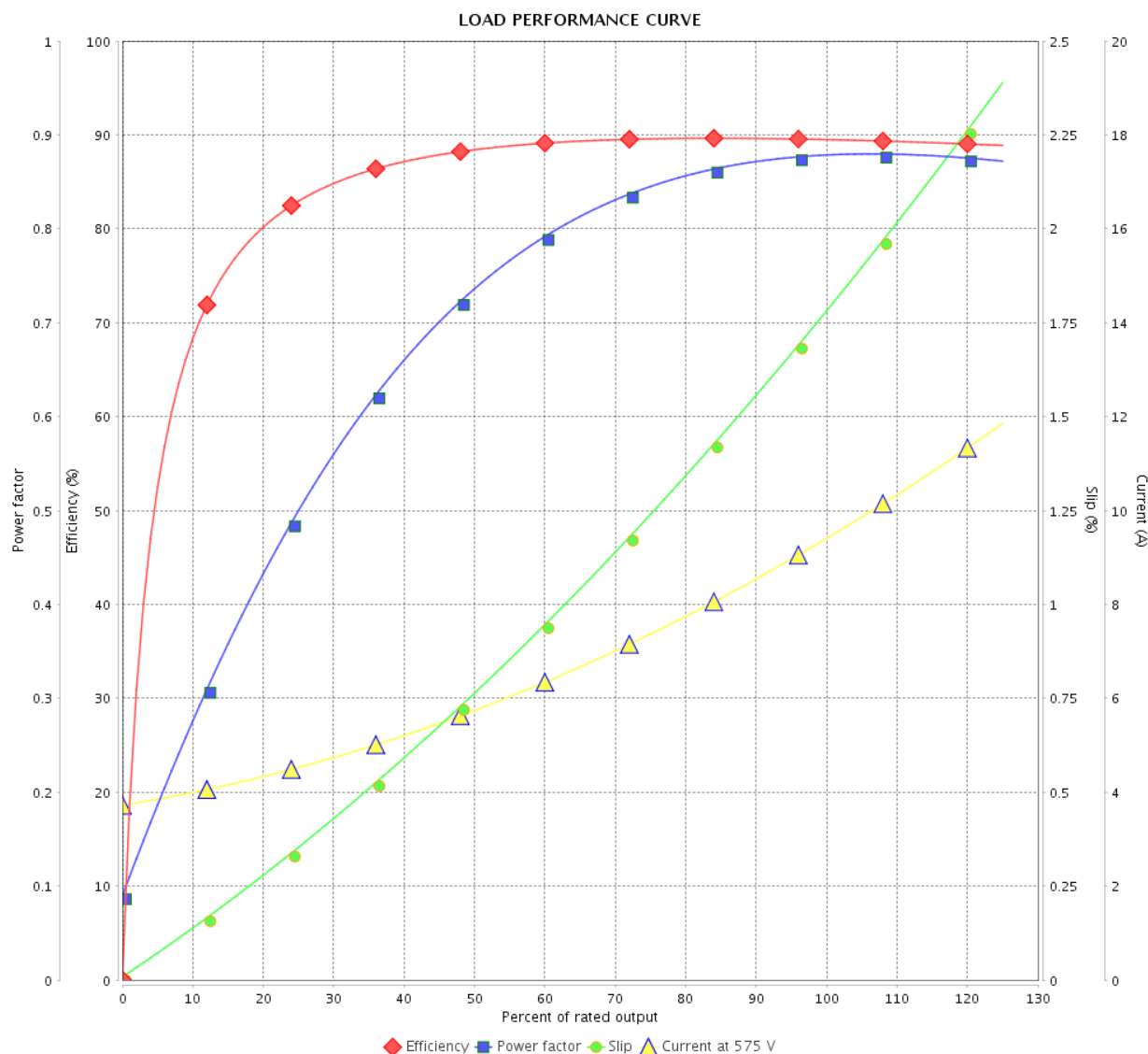
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Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 12676955

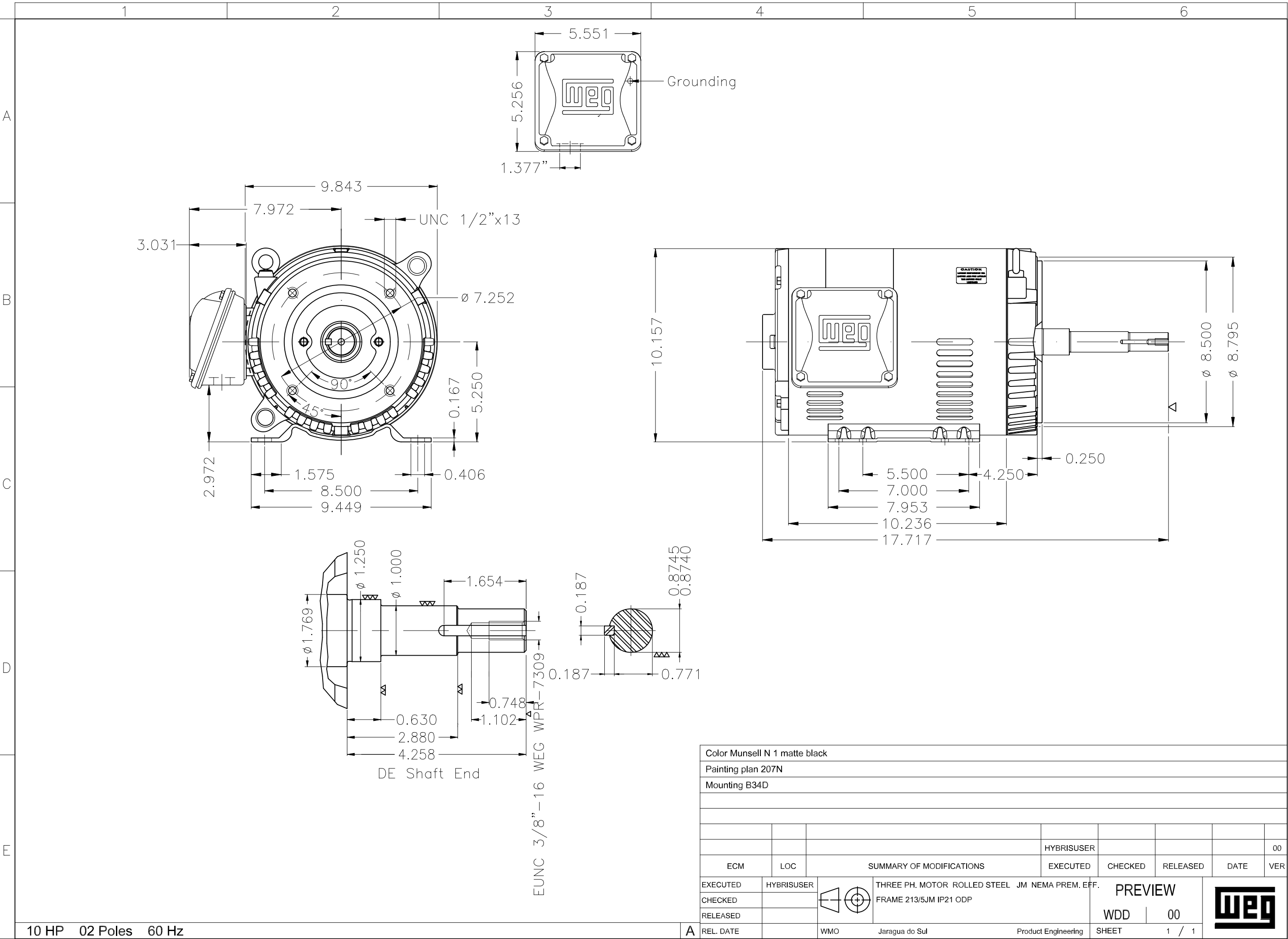


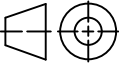
Performance : 575 V 60 Hz 2P

Rated current : 9.60 A
LRC : 6.8
Rated torque : 2.05 kgfm
Locked rotor torque : 200 %
Breakdown torque : 280 %
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0196 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
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Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B34D									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.				PREVIEW		
CHECKED			FRAME 213/5JM IP21 ODP						
RELEASED							WDD	00	
REL. DATE			WMO	Jaragua do Sul	Product Engineering	SHEET	1	/ 1	