# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13680185	
Frame Insulation class Duty cycle		: 143/5JM : F : Cont.(S1)	Cooling method Mounting Rotation <sup>1</sup>	: IC01 - ODP : W-6 : Both (CW and CCW)	
Ambient temperature Altitude		: -20°C to +40°C : 1000 m.a.s.l. : B	Starting method Approx. weight <sup>3</sup> Moment of inertia (J)	: Direct On Line : 18.7 kg	
Design				: 0.0054 kgm <sup>2</sup>	
Output [HP] Poles		3 2	3	3	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		7.18/3.59	8.78/4.39	7.56/4.01	
L. R. Amperes [A]		57.4/28.7	53.6/26.8	56.0/29.7	
RC [A]		8.0x(Code J)	6.1x(Code G)	7.4x(Code J)	
No load current [A]		2.60/1.30	2.60/1.30	2.91/1.54	
Rated speed [RPM		3480	2825	2860	
Slip [%]	-	3.33	5.83	4.67	
Rated torque [kgfm	ו]	0.626	0.771	0.761	
Locked rotor torque [%]		229	190	240	
Breakdown torque [%]		300	229	270	
Service factor			1.00	1.00	
Temperature rise		80 K	105 K	105 K	
Locked rotor time		16s (cold) 9s (hot)	0s (cold) 0s (hot)	Os (cold) Os (hot)	
Noise level <sup>2</sup>		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
	25%				
Efficiency (9/)	50%	84.0	86.6	86.2	
Efficiency (%)	75%	85.5	85.0	85.9	
	100%	85.5	81.8	83.9	
	25%				
Power Factor	50%	0.76	0.83	0.76	
	75%	0.86	0.90	0.86	
100%		0.90	0.93	0.91	
Bearing type Sealing		Drive end Non drive end   : 6206 ZZ 6203 ZZ   : Without Without   Bearing Seal Bearing Seal	Max. traction: 49 kgfMax. compression: 68 kgf		
Lubrication interval Lubricant amount Lubricant type		· · ·			
Lubricant amount Lubricant type		: Mobil Polyrex EM			
Lubricant amount					
Lubricant amount Lubricant type Notes USABLE @208V This revision repla must be eliminated (1) Looking the mo	7.94A SF 1.0 aces and can d. otor from the m and with to veight subjectocess.	00 SFA 7.94A cel the previous one, which shaft end. blerance of +3dB(A).		based on tests with sinusoidal ne tolerances stipulated in NEM/	
Lubricant amount Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro	7.94A SF 1.0 aces and can d. otor from the m and with to veight subjectocess.	00 SFA 7.94A cel the previous one, which shaft end. blerance of +3dB(A).	power supply, subject to the		
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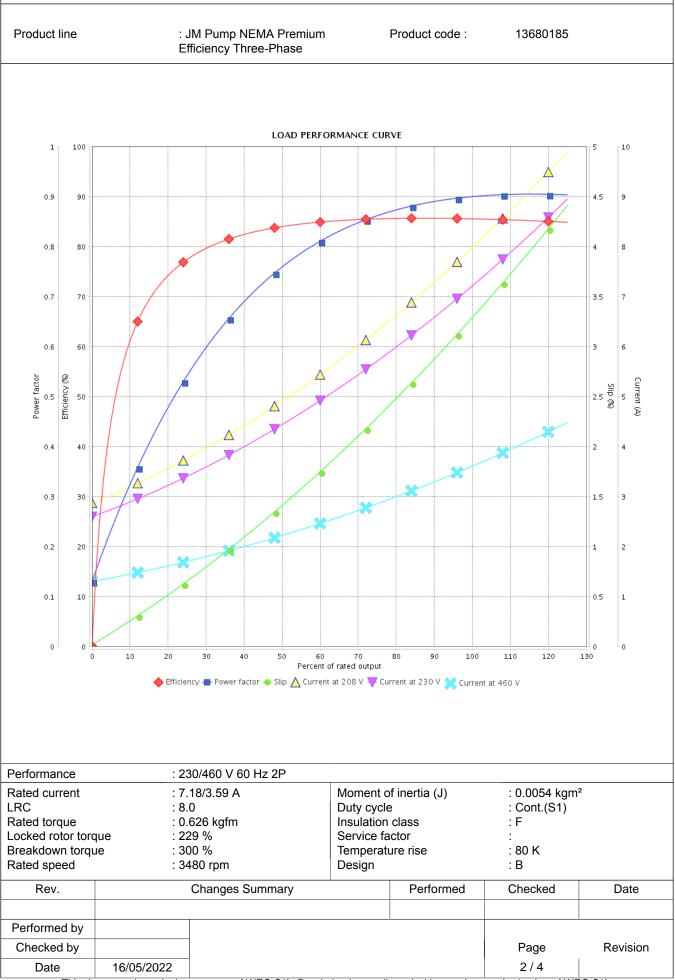
## LOAD PERFORMANCE CURVE

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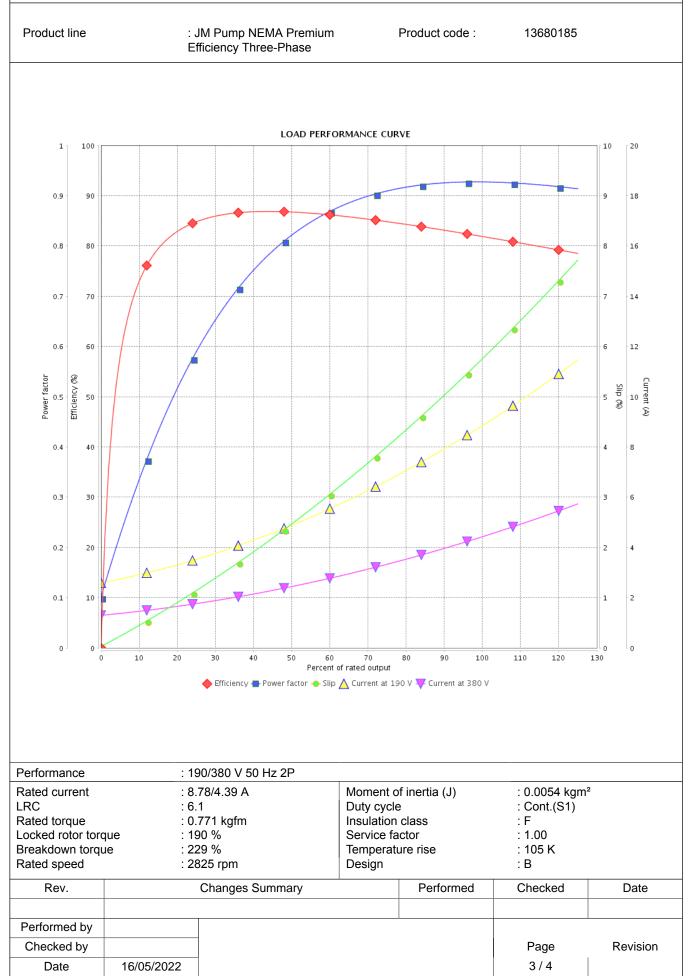
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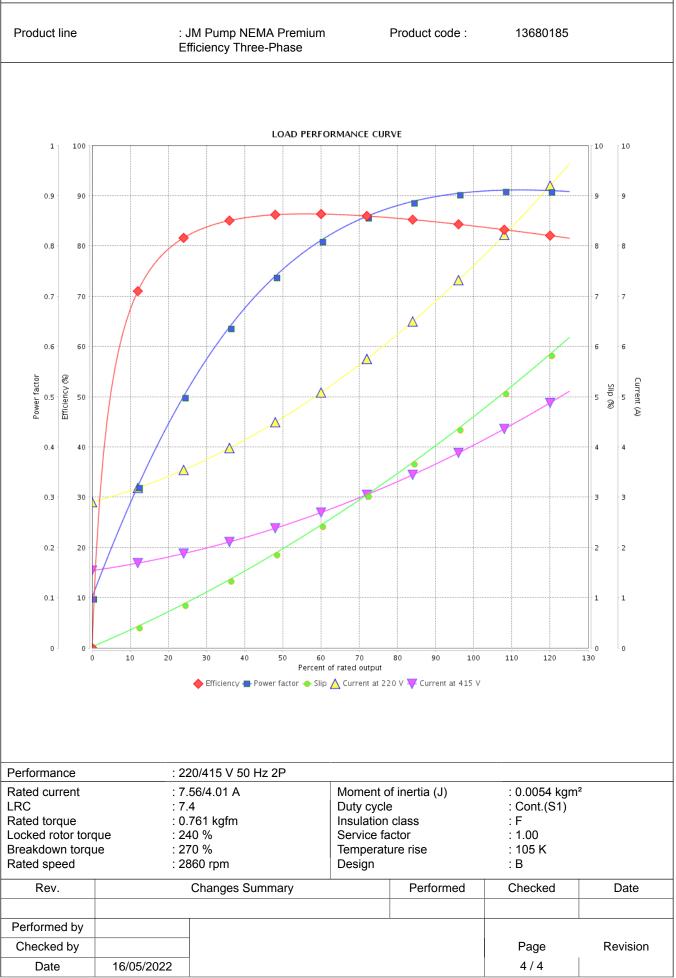
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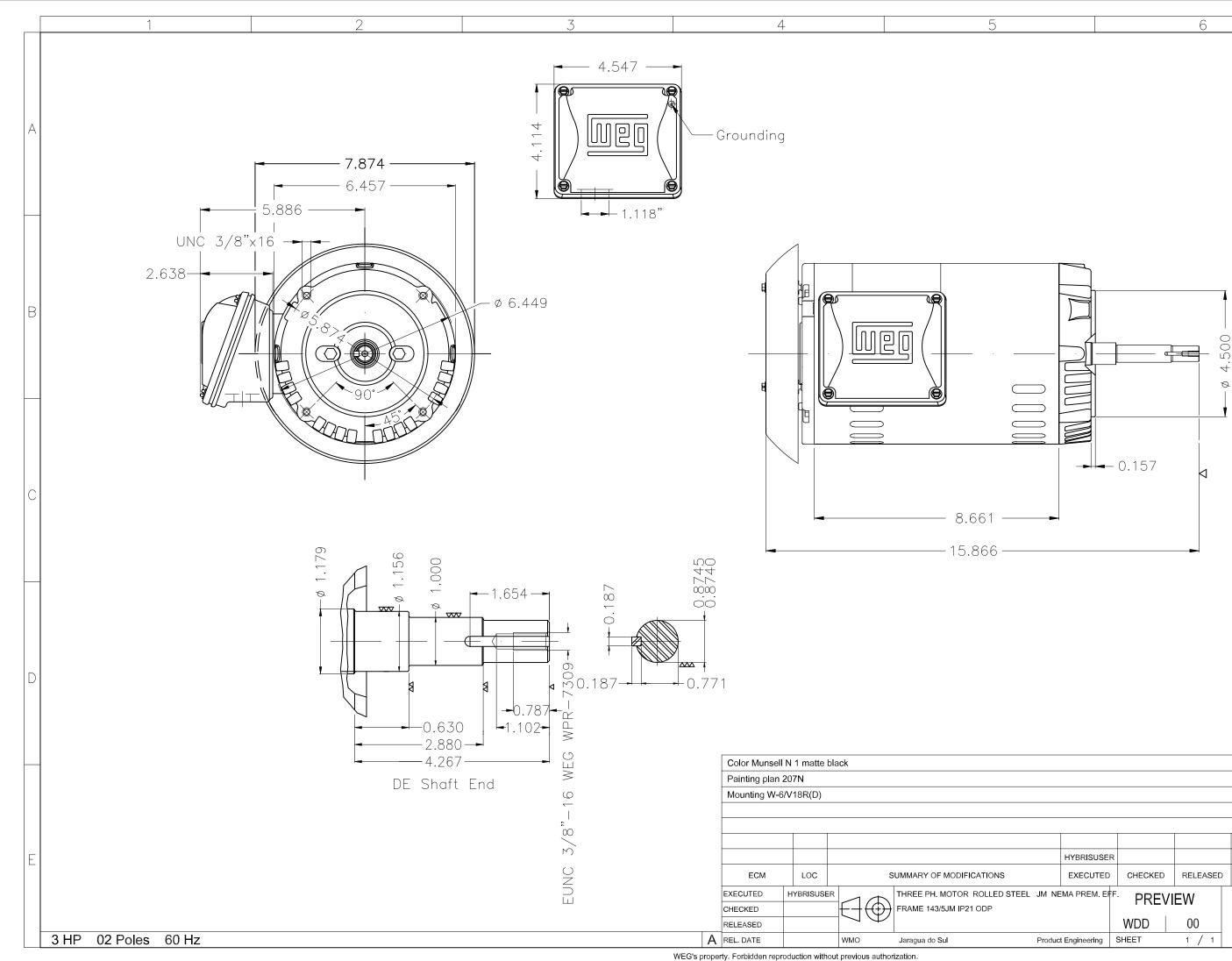
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Produc	t Engineering	SHEET	1 / 1			XME	