DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13180600			
Frame Insulation class Duty cycle Ambient temperature Altitude		: 143/5JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³	: F-1 : Both (CW an	: Both (CW and CCW) : Direct On Line		
Protection degree Design		: IP55 : B	Moment of inertia (J)		: 0.0046 kgm ²		
Output [HP]		1.5	1.5	1.	5		
Poles		4	4		-		
Frequency [Hz]		60	50	5			
Rated voltage [V]		230/460	190/380		220/415		
Rated current [A]		4.04/2.02	4.82/2.41		4.38/2.32		
L. R. Amperes [A]		33.1/16.6	29.4/14.7		29.3/15.5		
LRC [A]	1	8.2x(Code K)	6.1x(Code H)	ode J)			
No load current [A		2.17/1.08	2.13/1.07		2.20/1.17		
Rated speed [RPN	vij	1750 2.78	1420 5.33		1430		
Slip [%] Rated torque [kgfr	nl	0.622	0.767		4.67		
Locked rotor torque		270	210		0.761		
Breakdown torque		300	210		240 280		
Service factor	• [/º]	500	1.15	1.			
Temperature rise		80 K	1.15 105 K	80			
Locked rotor time		37s (cold) 21s (hot)	Os (cold) Os (hot)				
Noise level ²		52.0 dB(A)	49.0 dB(A)		0s (cold) 0s (hot) 49.0 dB(A)		
25% 85.2 86.1 50% 85.5 84.7 75% 86.5 84.7 100% 86.5 84.7 25% 0.35 0.41 50% 0.59 0.67 75% 0.72 0.78	25%						
					85.0 84.2		
					84.9		
		83.6					
				0.3			
				0.0			
Power Factor				0.			
	100%	0.79	0.84	0.0			
Bearing type			Foundation loads Max. traction	: 51 kgf			
Sealing		: V'Ring Without Bearing Seal	Max. compression	: 70 kgf			
Lubrication interv	val	:					
Lubricant amour		:					
Lubricant type		: Mobil Polyrex EM					
must be eliminate	aces and car	ncel the previous one, which	These are average values power supply, subject to the				
(1) Looking the m	1m and with t weight subjec	e snaft end. olerance of +3dB(A). et to changes after	MG-1.				
		Changes Summary	Performed	Checked	Date		
 (3) Approximate v manufacturing pro- (4) At 100% of ful 		Changes Summary	Performed	Checked	Date		
 (3) Approximate v manufacturing pro- (4) At 100% of ful 		Changes Summary	Performed	Checked	Date		
(3) Approximate v manufacturing pr (4) At 100% of ful Rev.		Changes Summary	Performed	Checked	Date		

 Date
 16/05/2022
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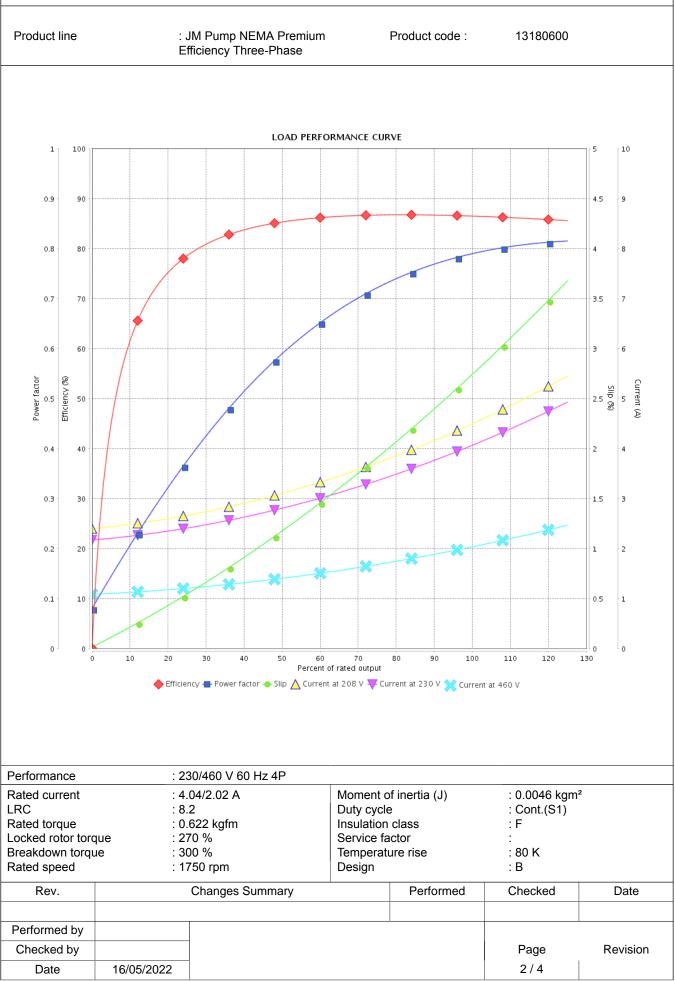
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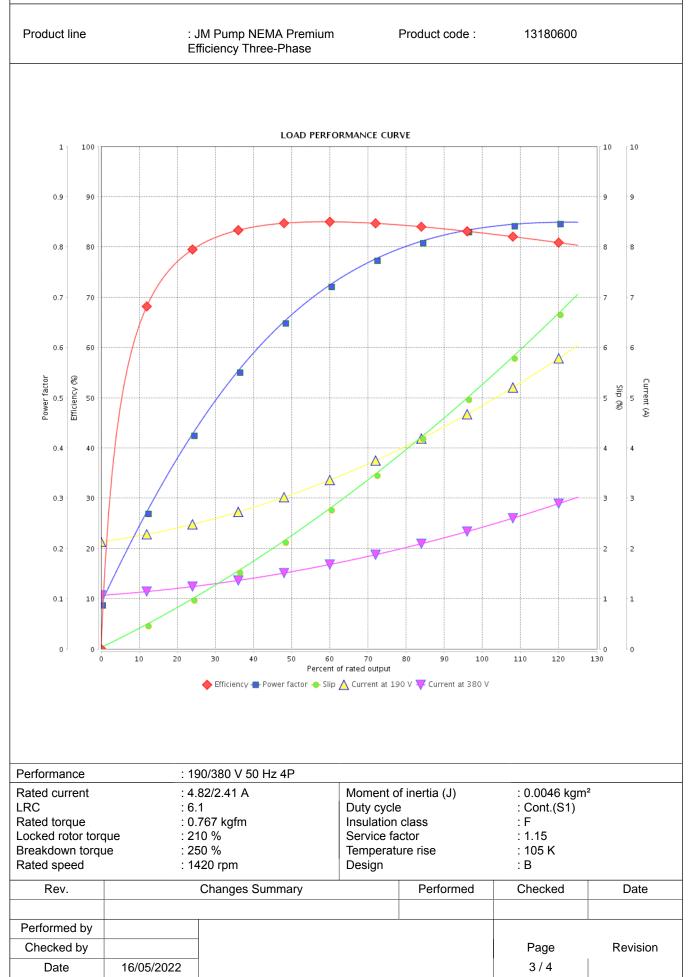
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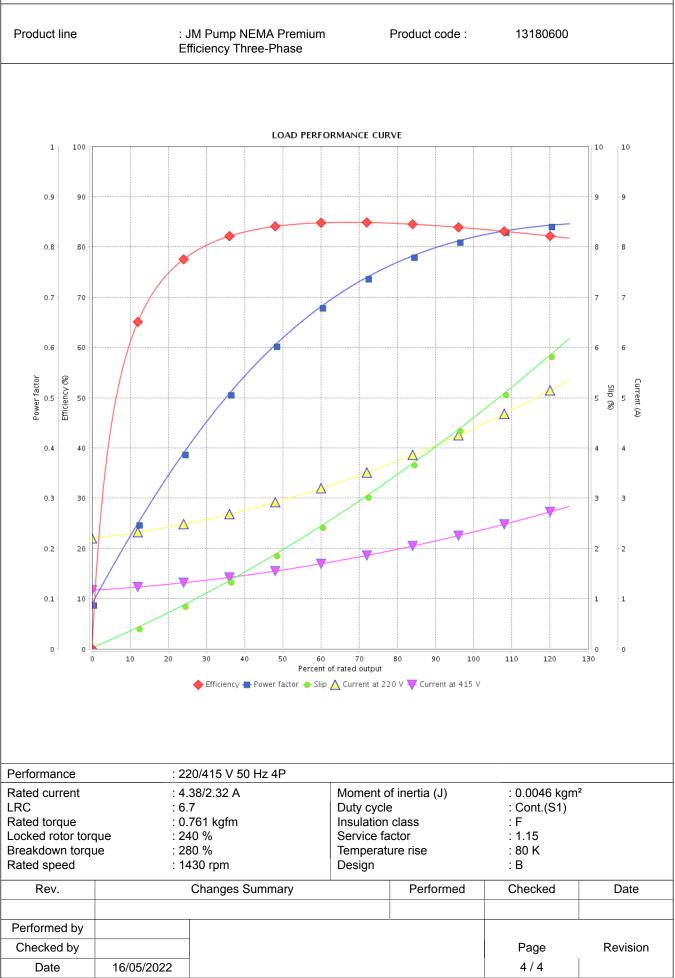
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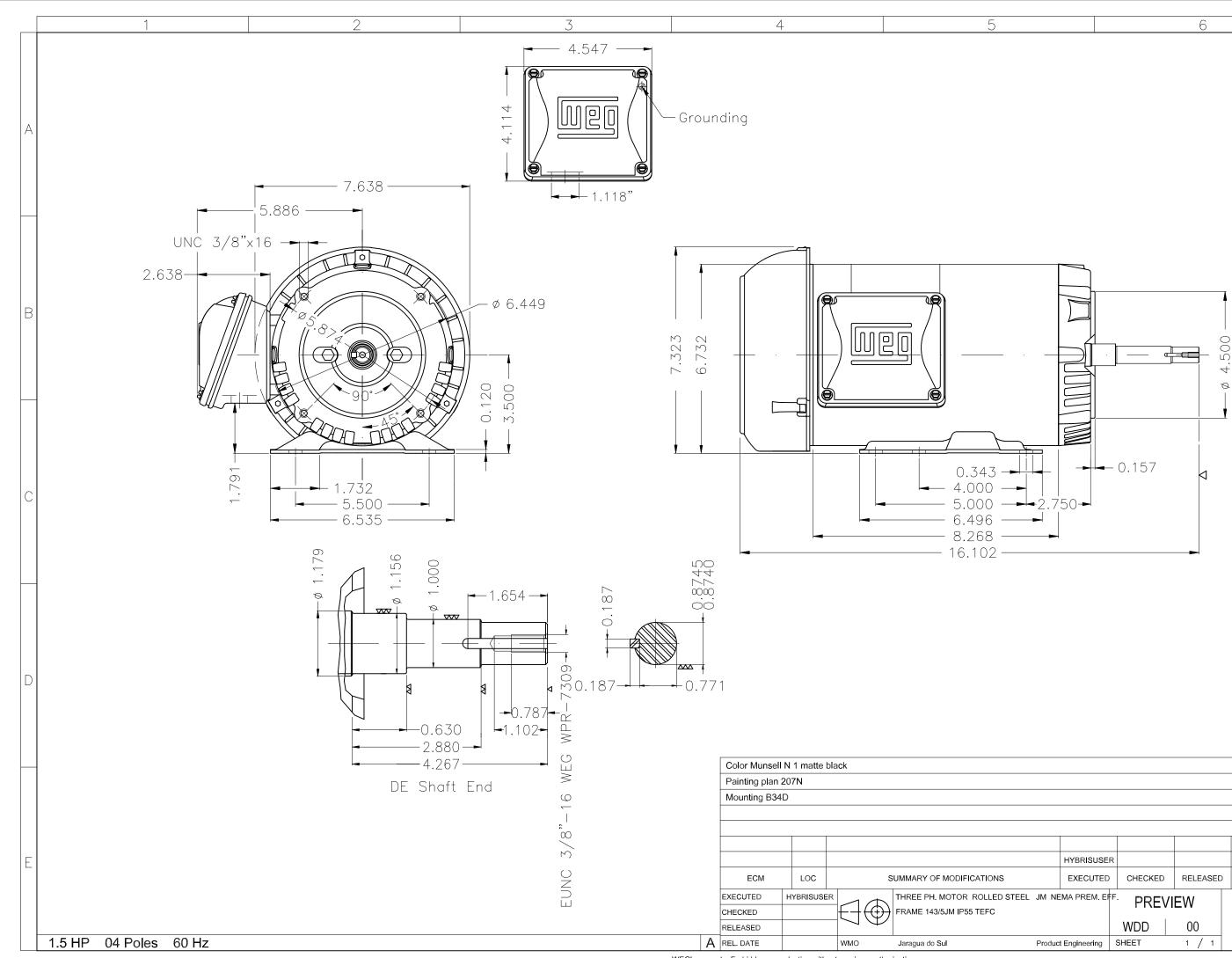
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Product Engineering				ET		1 / 1	_			XME

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