DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

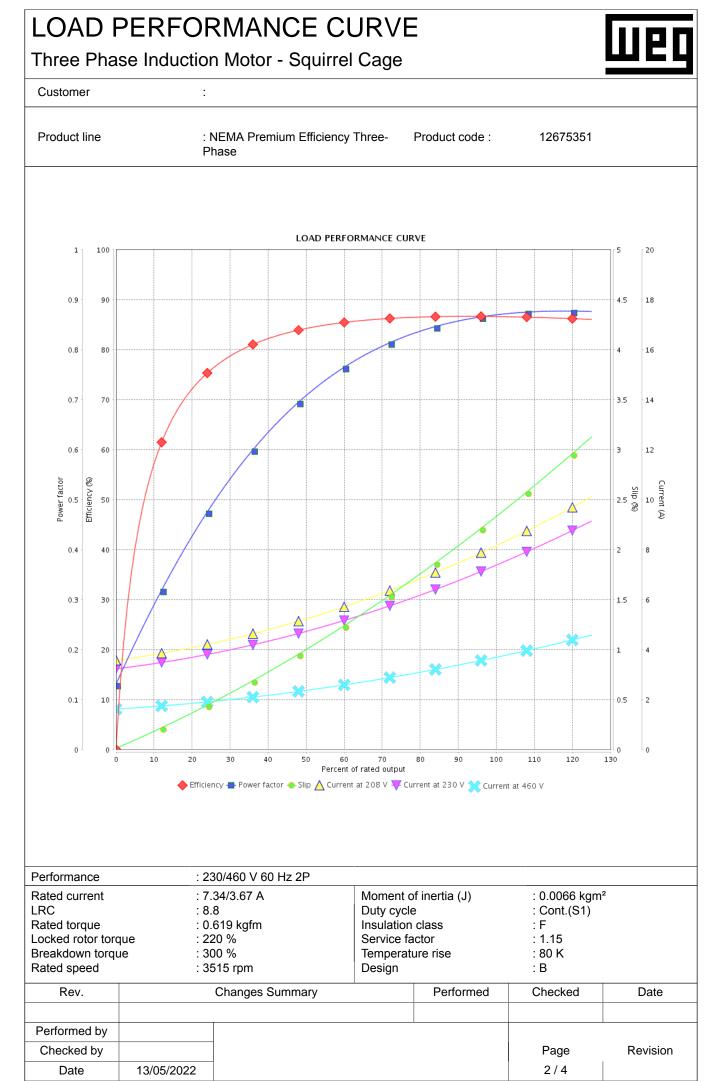
		: NEMA Premium Efficien Phase	cy Three- Product code :	12675351	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 182/4TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 35.1 kg : 0.0066 kgm ²	
Output [HP]		3	3	3	
Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V] Rated current [A]		230/460 7.34/3.67	190/380 8.70/4.35	220/415 7.81/4.14	
L. R. Amperes [A]		64.6/32.3	60.0/30.0	59.4/31.5	
LRC [A]		8.8x(Code K)	6.9x(Code H)	7.6x(Code J)	
No load current [A]	3.22/1.61	3.18/1.59	3.22/1.71	
Rated speed [RPN		3515	2885	2900	
Slip [%]		2.36	3.83	3.33	
Rated torque [kgfr		0.619	0.755	0.751	
Locked rotor torqu	ie [%]	220	180	210	
Breakdown torque	e [%]	300	280	310	
Service factor		1.15			
Temperature rise		80 K			
Locked rotor time		39s (cold) 22s (hot)			
Noise level ²	25%	68.0 dB(A) 83.6			
	25% 50%	83.6			
Efficiency (%)	75%	86.5		0.755 0.751 180 210 280 310 1.15 1.15 80 K 80 K 0s (cold) 0s (hot) 0s (cold) 0s (hot) 65.0 dB(A) 65.0 dB(A) 86.6 86.0 85.9 85.7 86.5 86.8 85.3 86.1 0.50 0.46 0.77 0.73 0.86 0.84 0.90 0.89	
	100%	86.5			
	25%	0.44			
Douton Contan	50%	0.71			
Power Factor	75%	0.82			
	100%	0.87	0.90	0.89	
Bearing type Sealing		Drive end 6206 ZZ 6205 Z V'Ring Withou	ZZ Max. traction	: 31 kgf : 66 kgf	
ocaling		Bearing		. 00 Kgi	
Lubrication interv		:			
Lubricant amoun	it	· · · ·			
Lubricant type		: Mobil Polyrex EM			
Notos					
(1) Looking the m (2) Measured at 1 (3) Approximate v	aces and car ed. lotor from the Im and with t weight subject	ncel the previous one, which		s based on tests with sinusoidal the tolerances stipulated in NEM/	
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to t MG-1.	the tolerances stipulated in NEM	
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 Date
 13/05/2022
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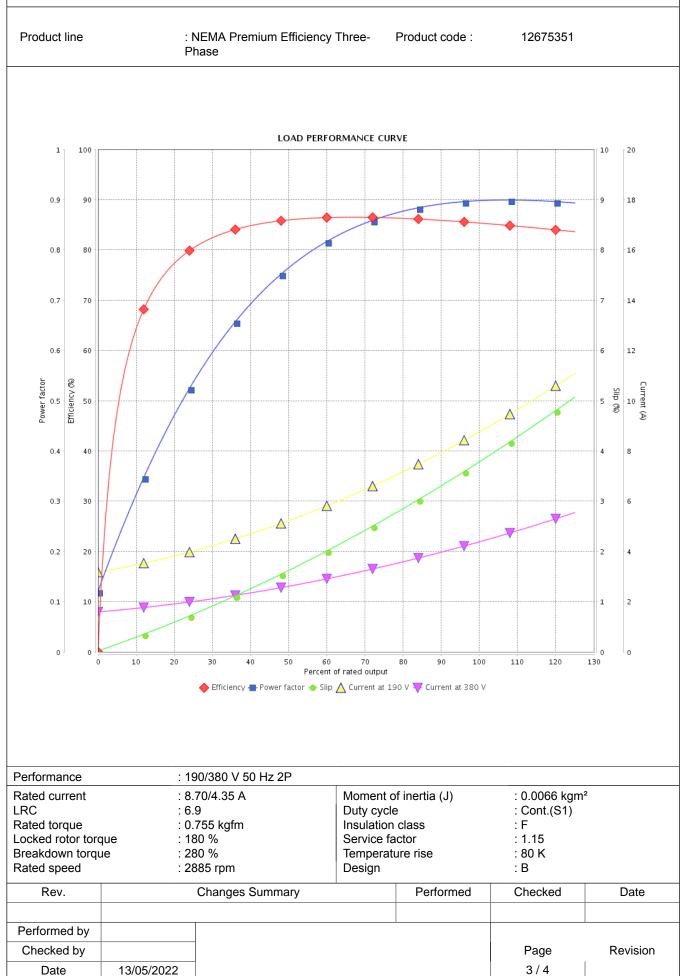
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LOAD PERFORMANCE CURVE

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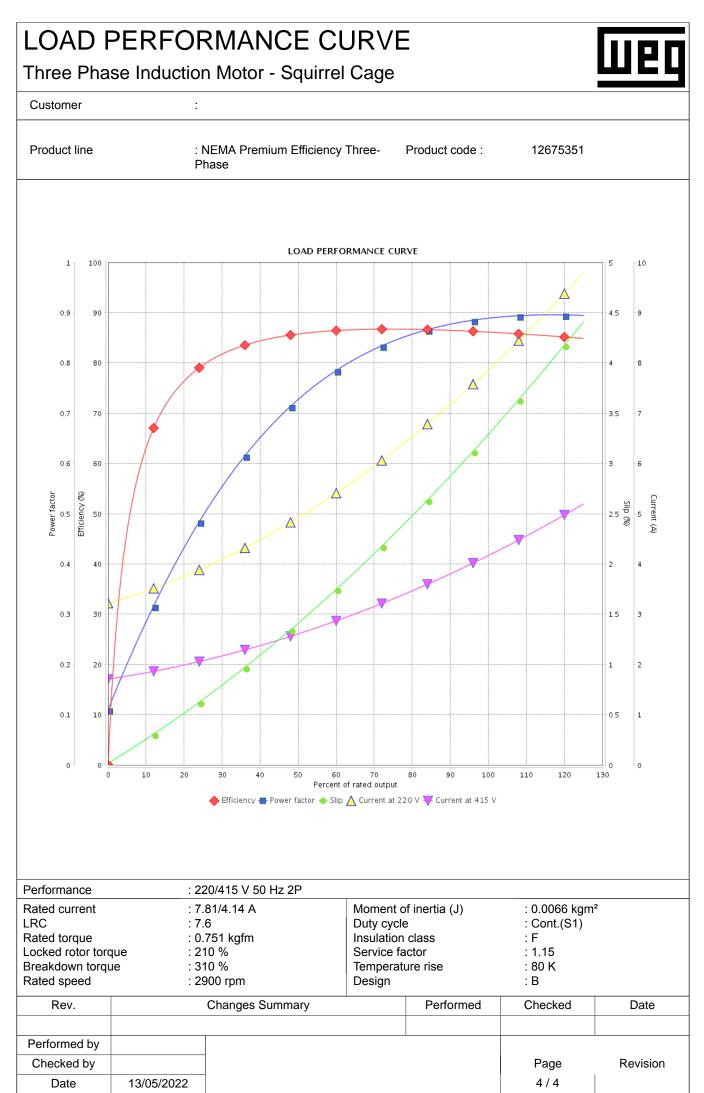
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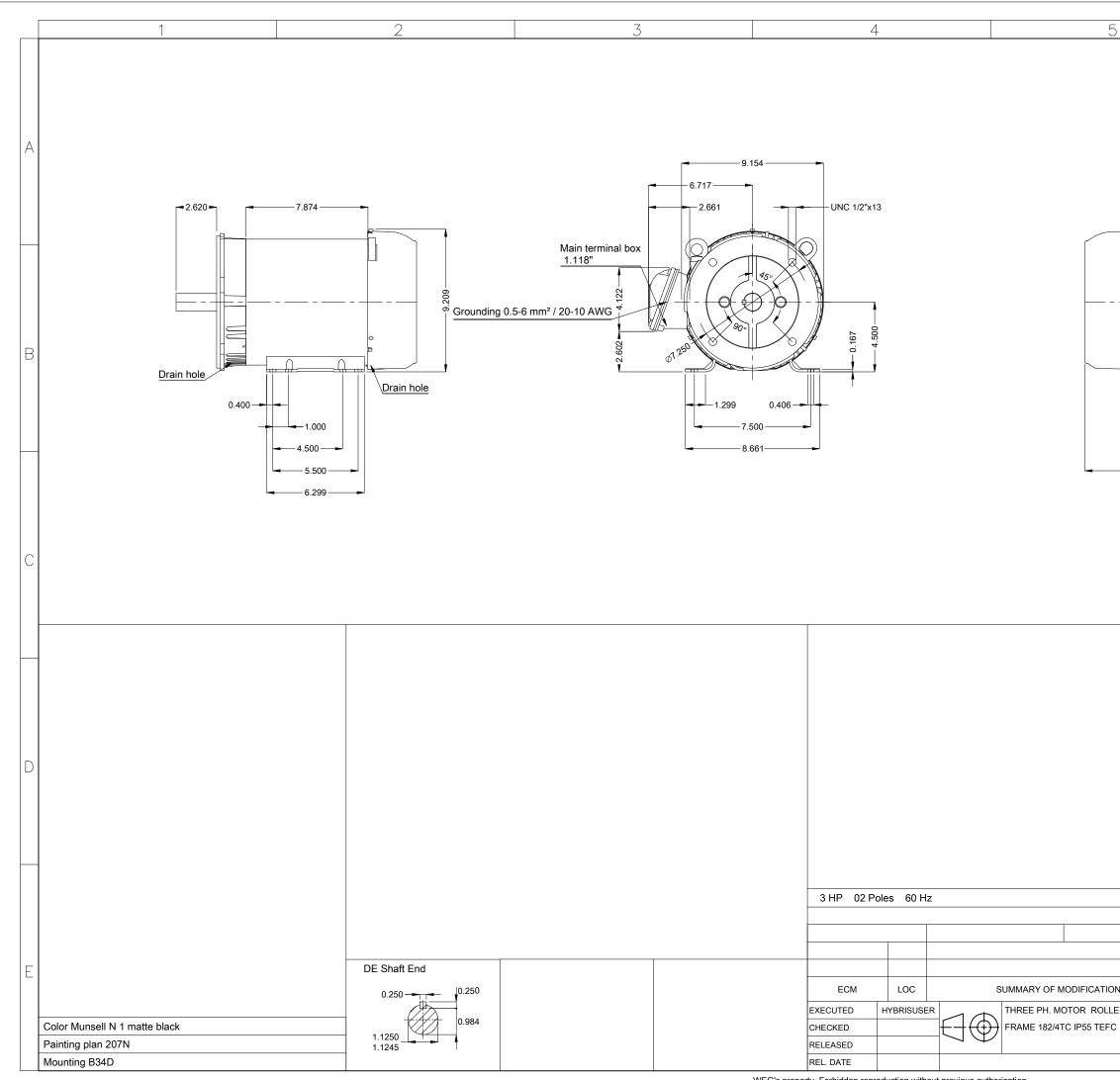
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