## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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## Customer

Product line		: NEMA Premium Efficiency Three- Product code : Phase		12837721		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 143/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55	Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 22.6 kg : 0.0070 kgm <sup>2</sup>		
Design		: B				
Output [HP]		3	3		3	
Poles		2	2		2	
Frequency [Hz]		60	50		50	
Rated voltage [V]		230/460	190-220/380		415	
Rated current [A]		7.02/3.51 66.7/33.3	8.50-7.34/4.25	3.91		
L. R. Amperes [A] LRC [A]			62.9-54.3/31.5	34.8 8 0x(Codo K)		
No load current [A]		9.5x(Code K) 2.56/1.28	7.4x(Code H) 2.52-2.18/1.26	8.9x(Code K)		
Rated speed [RPM]		3500	2.52-2.18/1.20	2895		
Slip [%]		2.78 4.33			3.50	
Rated torque [kgfr	n]	0.622	0.759		).752	
Locked rotor torque [%]		300	229	290		
Breakdown torque		380	280		340	
Service factor			1.15		1.15	
Temperature rise		80 K	80 K		80 K	
Locked rotor time		18s (cold) 10s (hot)	16s (cold) 9s (hot)	14s (cold) 8s (hot)		
Noise level <sup>2</sup>		68.0 dB(A)	65.0 dB(A)	65.	0 dB(A)	
	25%					
Efficiency (%)	50%	84.0	86.6		86.2	
	75% 100%	86.5 86.5	86.4		87.0	
	25%	60.5	04.0		86.0	
Power Factor	50%	0.78	0.83		0.78	
	75%	0.87	0.00		0.70	
	100%	0.91	0.93		0.91	
Bearing type Sealing		Drive end Non drive en : 6205 ZZ 6203 ZZ : V'Ring Without	d Foundation loads	: 61 kgf : 84 kgf		
Lubrication interv	val	Bearing Se				
Lubricant amount						
Lubricant amoun	11					
Lubricant type		Mobil Polyrex EM				
Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	7.76A SF 1. aces and car ed. notor from the	00 SFA 7.76A ncel the previous one, which e shaft end.	These are average values power supply, subject to th MG-1.			
Lubricant type Notes 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	7.76A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	00 SFA 7.76A neel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA	
Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	7.76A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	00 SFA 7.76A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the			
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Lubricant type Notes 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 Rev.	7.76A SF 1. aces and car ed. notor from the 1m and with t weight subject ocess.	00 SFA 7.76A acel the previous one, which e shaft end. olerance of +3dB(A). to changes after Changes Summary	power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA	

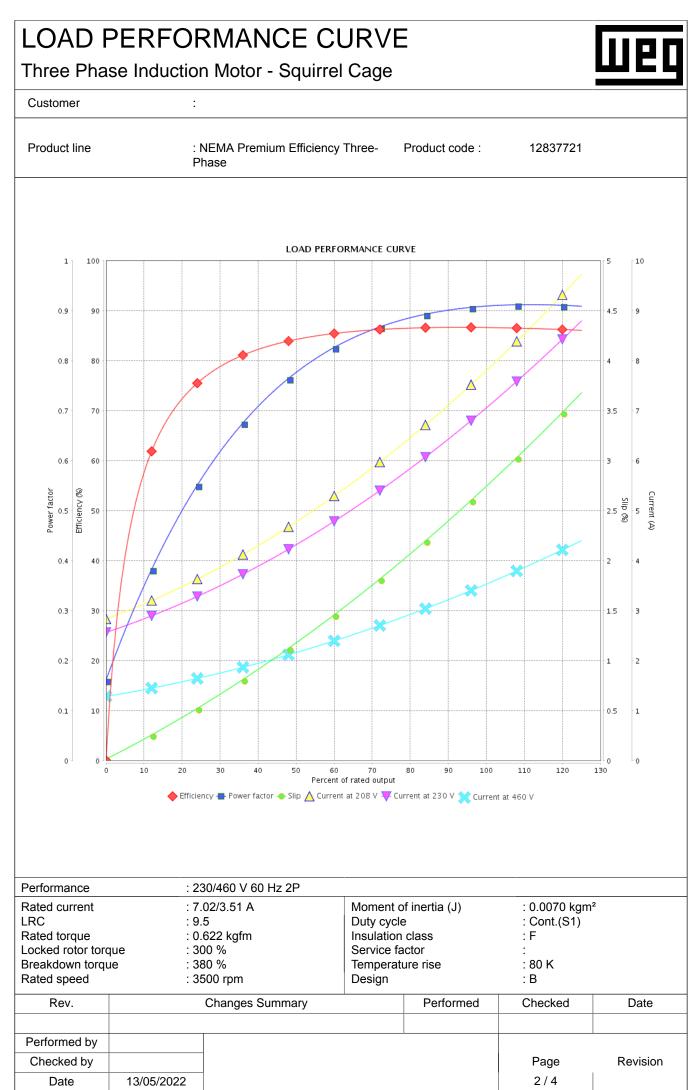
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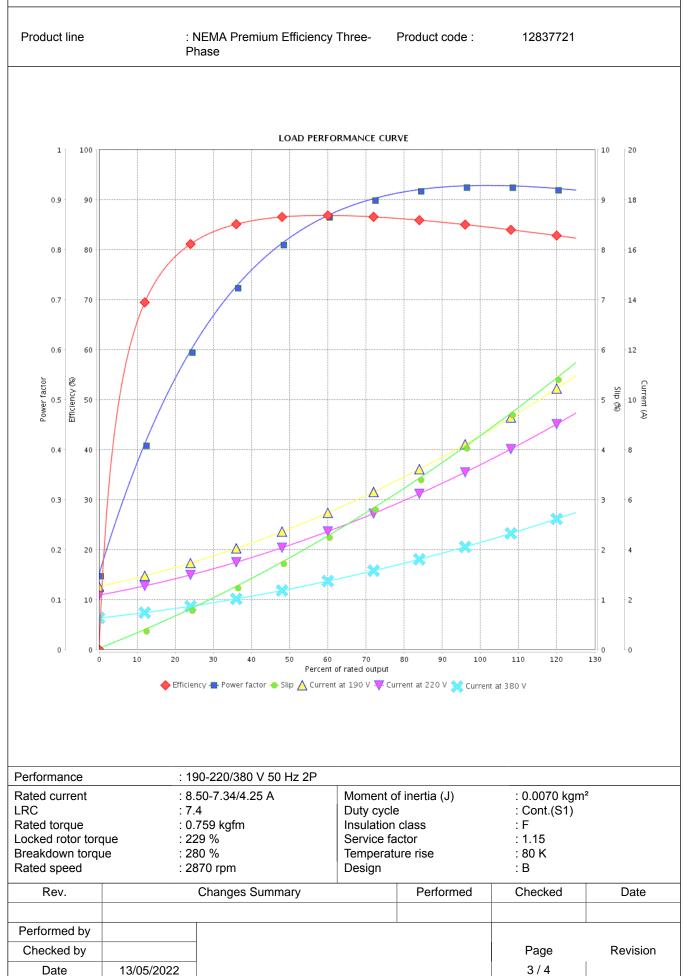
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

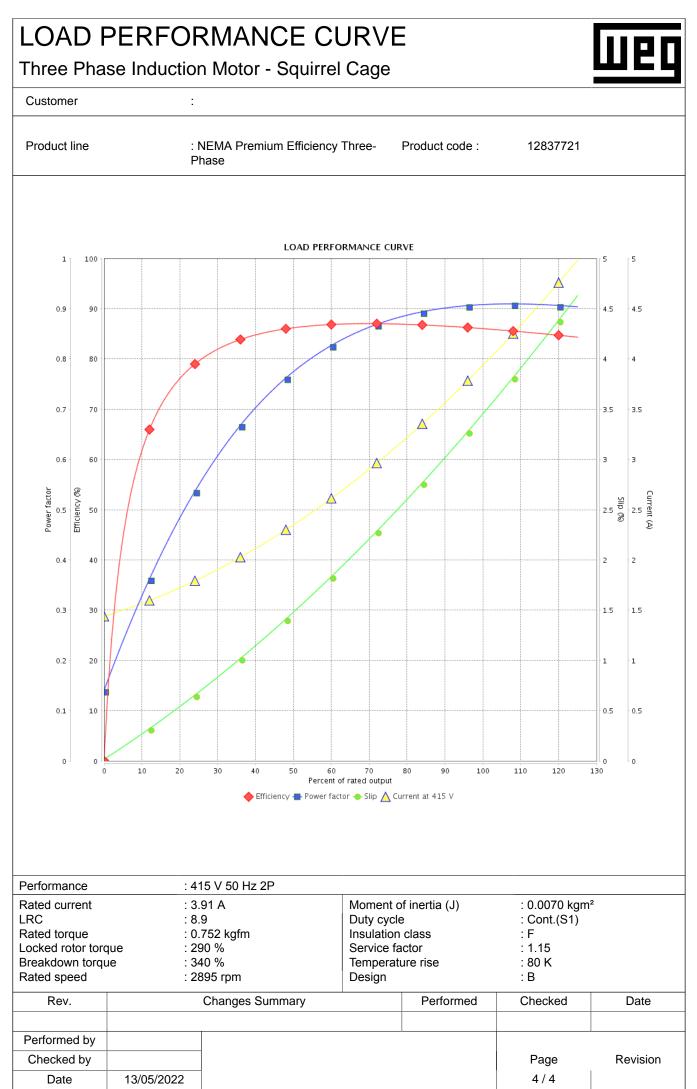
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## Customer



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