DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

		: NEMA Premium Efficiency T Phase	hree- Product code :	12707482			
Frame Insulation class Duty cycle Ambient temperature Altitude		: 254/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 81.4 kg			
Design		: B	Moment of inertia (J)	: 0.0386 kgm²			
Dutput [HP]		25	25	25			
Poles		2	2	2			
requency [Hz]		60	50	50			
Rated voltage [V] Rated current [A]		230/460 58.2/29.1	190/380 70.6/35.3	220/415 64.1/34.0			
		367/183	374/187	378/201			
R. Amperes [A] .RC [A]		6.3x(Code G)	5.3x(Code E)				
lo load current [A	1	22.8/11.4	22.3/11.2	5.9x(Code F)			
Rated speed [RPN	-	3530	22.3/11.2	24.0/12.7			
Slip [%]	<u>, 1</u>	1.94	3.17	3.00			
Rated torque [kgfn		5.14	6.25	6.23			
ocked rotor torqu		180	150	170			
Breakdown torque		290	220	240			
Service factor	, [/0]	1.15	1.15	1.15			
emperature rise		80 K	80 K	80 K			
Locked rotor time		16s (cold) 9s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)			
locked fotor time		70.0 dB(A)	68.0 dB(A)	68.0 dB(A)			
	25%	90.8	92.6	91.9			
	50%	91.0	91.1	90.9			
Efficiency (%)	75%	91.7	90.3	90.6			
	100%	91.7	88.5	89.3			
	25%	0.46	0.53	0.48			
Power Factor	50%	0.73	0.80	0.75			
	75%	0.83	0.87	0.85			
	100%	0.87	0.90	0.88			
			Max. traction: 194 kgfMax. compression: 276 kgf				
Lubrication interv							
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 Date
 13/05/2022
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LOAD PERFORMANCE CURVE Three Phase Induction Motor - Squirrel Cage Customer : Product line : NEMA Premium Efficiency Three-Product code : 12707482 Phase LOAD PERFORMANCE CURVE 100 10 _[100 1 1

Performance : 230/460 V 60 Hz 2P Rated current : 58.2/29.1 A LRC : 6.3 Rated current : 58.2/29.1 A Locked rotor torque : 180 % Breakdown torque : 230/460 V 60 Hz 2P Rated speed : 3530 rpm Moment of inertia (J) : 0.0386 kgm² Duty cycle : Sourcent at 208 V © current at 208 V © current at 460 V Performed : Bellong Performed : Bellong Performed : Bellong Performed by : Bellong Performed by : Bellong Performed by : Page Revisit Page	1 100)							3	100
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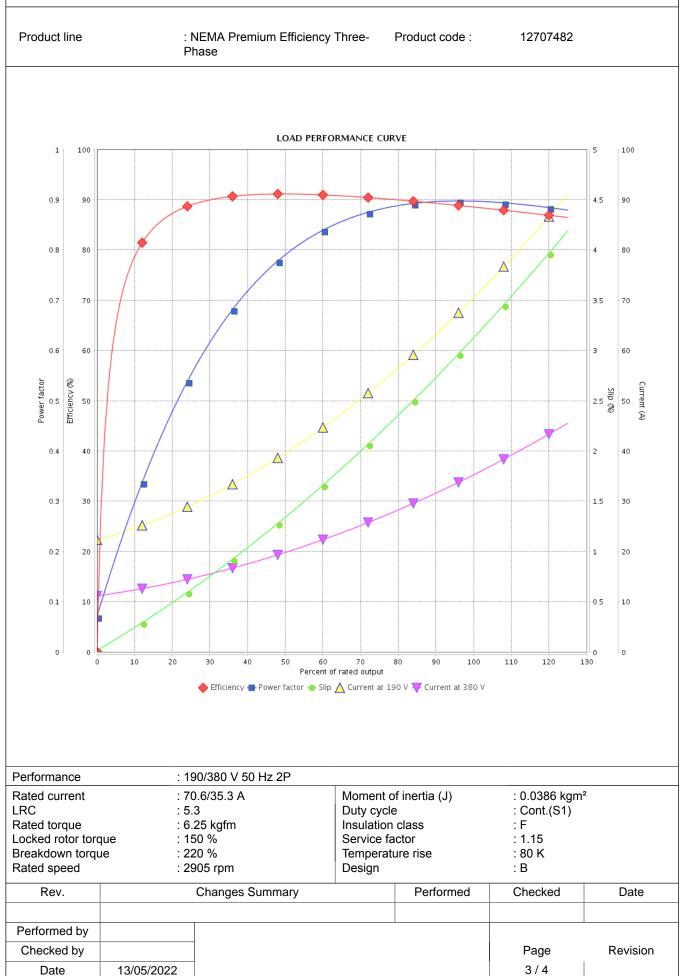
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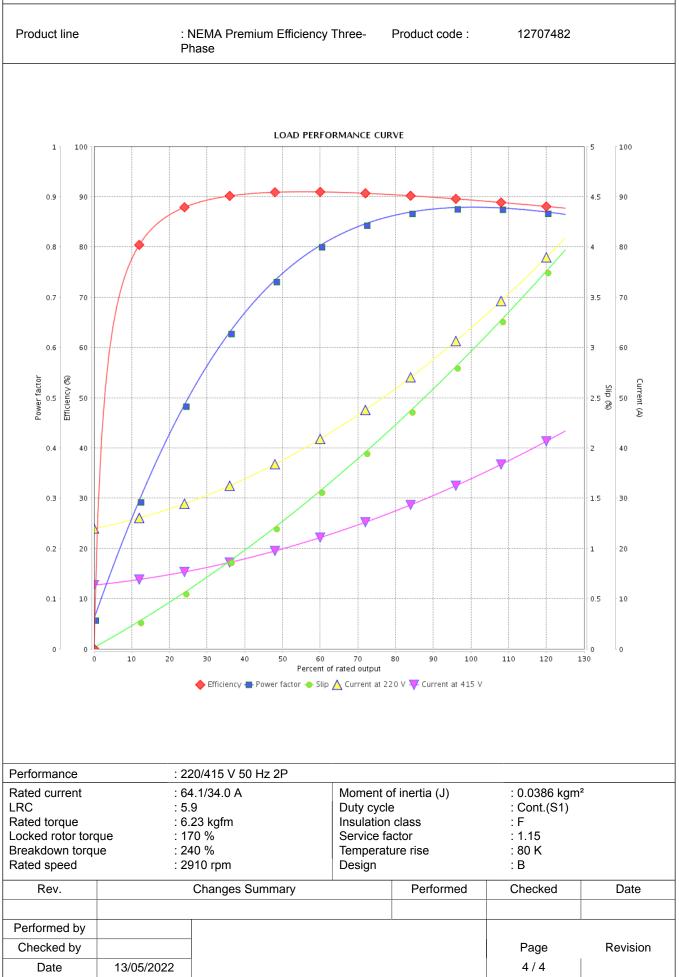
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