DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: NEMA Premium Efficiency Phase	Three- Product code :	12675381
Frame		: 143/5TC	Cooling method	: IC411 - TEFC
Insulation class		: F	Mounting	: F-1
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature		: -20°C to +40°C	Starting method	: Direct On Line
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 17.7 kg
Protection degree		: IP55	Moment of inertia (J)	: 0.0067 kgm ²
Design	0	: B		. 0.0007 Kgm
Output [HP]		1	1	1
Poles		6	6	6
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		3.16/1.58	3.74/1.87	3.41/1.81
L. R. Amperes [A]		18.3/9.16	16.5/8.23	16.7/8.87
LRC [A]		5.8x(Code J)	4.4x(Code F)	4.9x(Code G)
No load current [A]		2.03/1.01	2.00/1.00	2.02/1.07
Rated speed [RPM]		1145	915	930
Slip [%]		4.58	8.50	7.00
Rated torque [kgfm]		0.634	0.793	0.780
Locked rotor torque [%]		229	170	200
Breakdown torque [%]		280	200	229
Service factor		200	1.00	1.00
Temperature rise		80 K	105 K	105 K
Locked rotor time		55s (cold) 31s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)
Noise level ²		50.0 dB(A)	47.0 dB(A)	
	050/			47.0 dB(A)
	25%	79.5	82.0	80.4
Efficiency (%)	50%	80.0	80.1	79.4
	75%	82.5	80.1	80.4
	100%	82.5	77.3	78.6
	25%	0.28	0.33	0.31
Power Factor	50%	0.50	0.58	0.54
	75%	0.63	0.71	0.68
	100%	0.72	0.79	0.76
		Drive end Non drive en	d Foundation loads	
Bearing type		: 6205 ZZ 6203 ZZ	Max. traction	: 42 kgf
Sealing		: V'Ring Without	Max. compression	: 60 kgf
Lubrication interv	/al	Bearing Se	a	
Lubricant amoun				
Lubricant type		: Mobil Polyrex EM		
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Notes USABLE @208V	3.49A SF 1.	00 SFA 3.49A		
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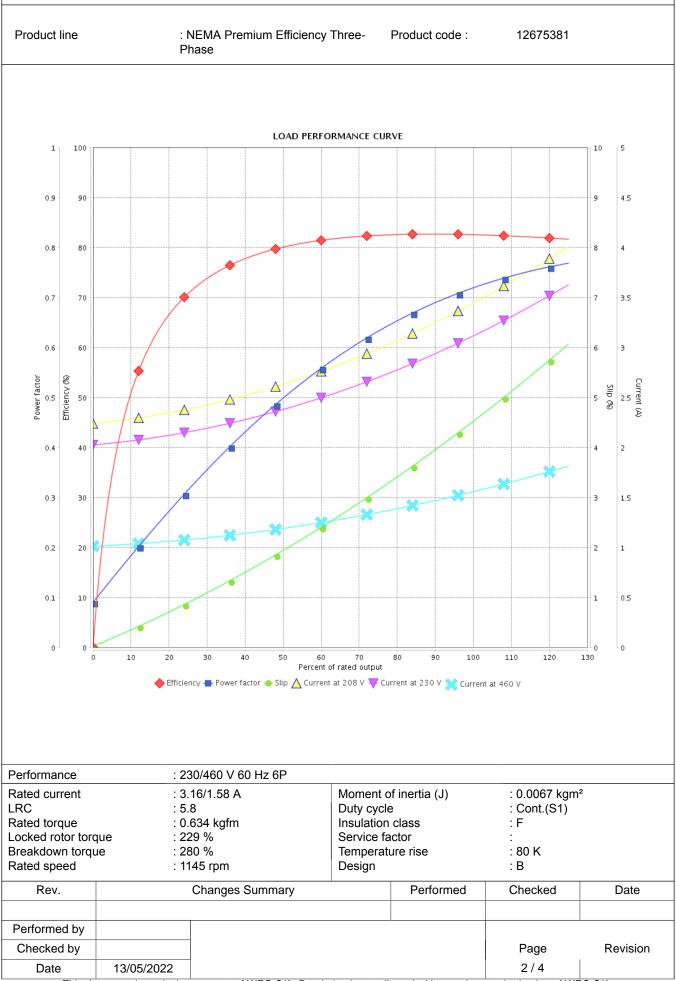
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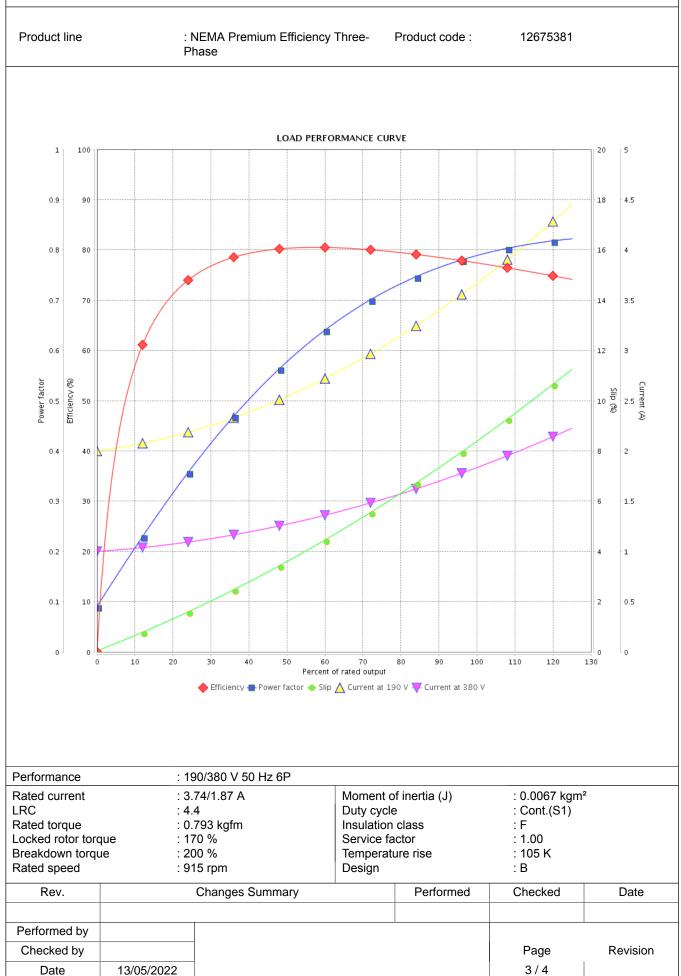
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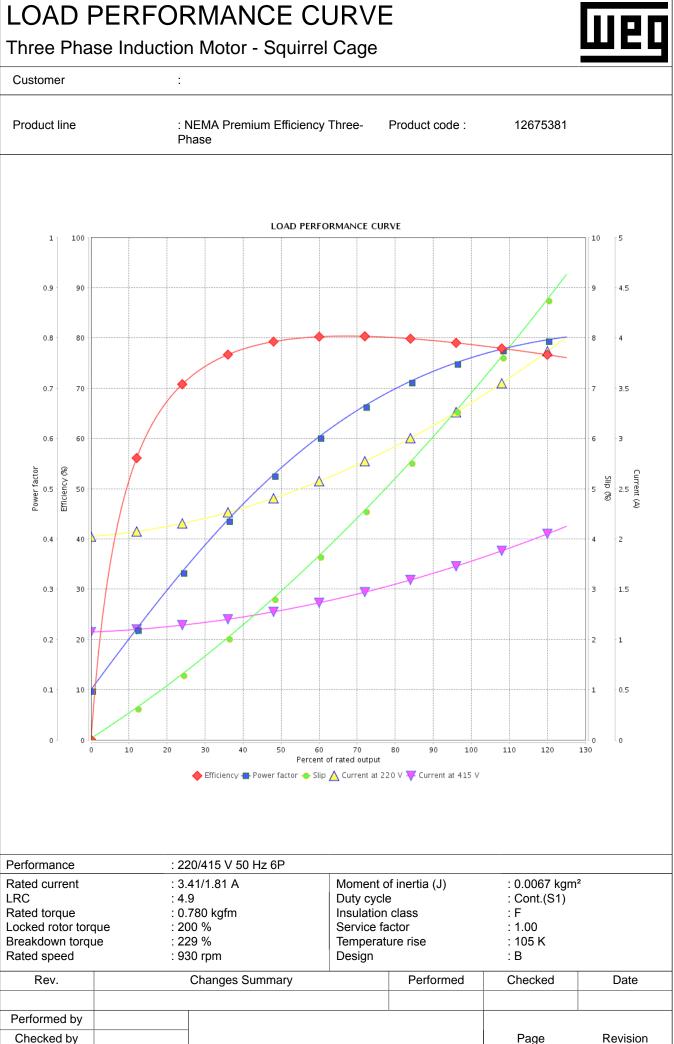
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