# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Frame Insulation class Duty cycle Ambient temperatu Altitude Protection degree Design Output [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A]	ure	: 444/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Cooling met Mounting Rotation <sup>1</sup>	hod	: F-1	-	
Protection degree Design Output [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A]		: IP55		Starting met		: Both (CW and CCW) : Direct On Line		
Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A]				Approx. weight <sup>3</sup> Moment of inertia (J)		: 1031 kg : 4.37 kgm²		
Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A]		125	100		10	0	100	
Rated voltage [V] Rated current [A] R. Amperes [A]		6	6		6	;	6	
Rated current [A] R. Amperes [A]			50		5	D	50	
R. Amperes [A]			380		400		415	
	Rated current [A]		147		14		140	
			1014		108		1162	
	LRC [A]		6.9x(Code H)		7.7x(C		8.3x(Coc	
No load current [A]		130/65.0	65.0		69		72.3	
Rated speed [RPM]		1185		985	98		985	
Slip [%]		1.25	1.50		1.5	50	1.50	1
Rated torque [kgfm]		76.6		73.7	73	.7	73.7	
ocked rotor torque		229		210	22		250	
Breakdown torque [%]		240		229	26		280	
Service factor		1.15		1.00	1.0		1.00	
Temperature rise		80 K	80 K		80		80 K	
Locked rotor time		73s (cold) 41s (hot)	36s (cold) 20s (hot)			36s (cold) 20s (hot)		0s (hot)
Noise level <sup>2</sup>		70.0 dB(A)		6.0 dB(A)	66.0 c		66.0 dB	
	25%					· · · /		<u></u> /
	50%	94.5		94.5	94	.0	94.1	
Efficiency (%)	75%	95.0		94.5		94.5		
-	100%	95.0		94.5	94		94.5 94.5	
	25%	00.0		00	<del></del>		04.0	
-	23 % 50%	0.67		0.68	0.6	34	0.61	
Power Factor	75%	0.76		0.08	0.0		0.01	
_	100%	0.82		0.82	0.7		0.72	
Bearing type		Drive end Non dr NU-219 C3 63	<u>ive end</u> 16 C3					
Sealing		Oil Seal	n Seal	Max. compression : 2320 kgf				
Lubrication interva Lubricant amount	1	28 g 3	823 h 84 g					
Lubricant type		Mobil Polyrex E	EM					
Notes USABLE @208V 3			aiah	Those are a		hanad on to		oidel
must be eliminated (1) Looking the mot	tor from the and with to eight subject ess.	plerance of +3dB(A).	IICN		verage values y, subject to th			
Rev.	Rev. Changes Summary				Performed	Checke	d D	late
Performed by								
						Page	Rev	vision

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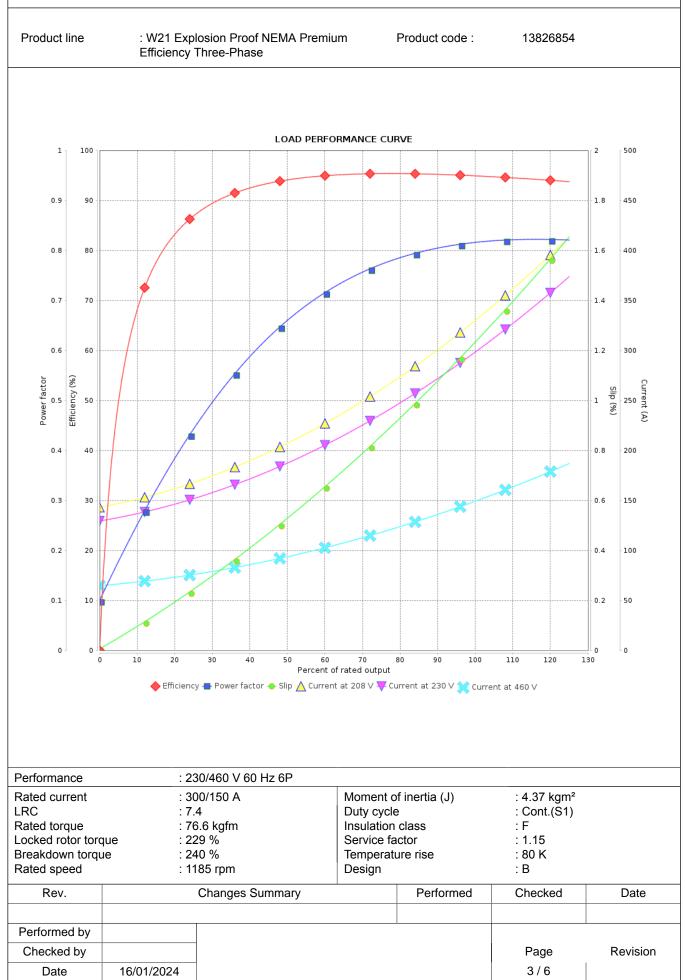
ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
	<b>.</b>				
Rev.	Changes	Summary	Performed	Checked	Date
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hecked by Date	16/01/2024			2/6	Revision



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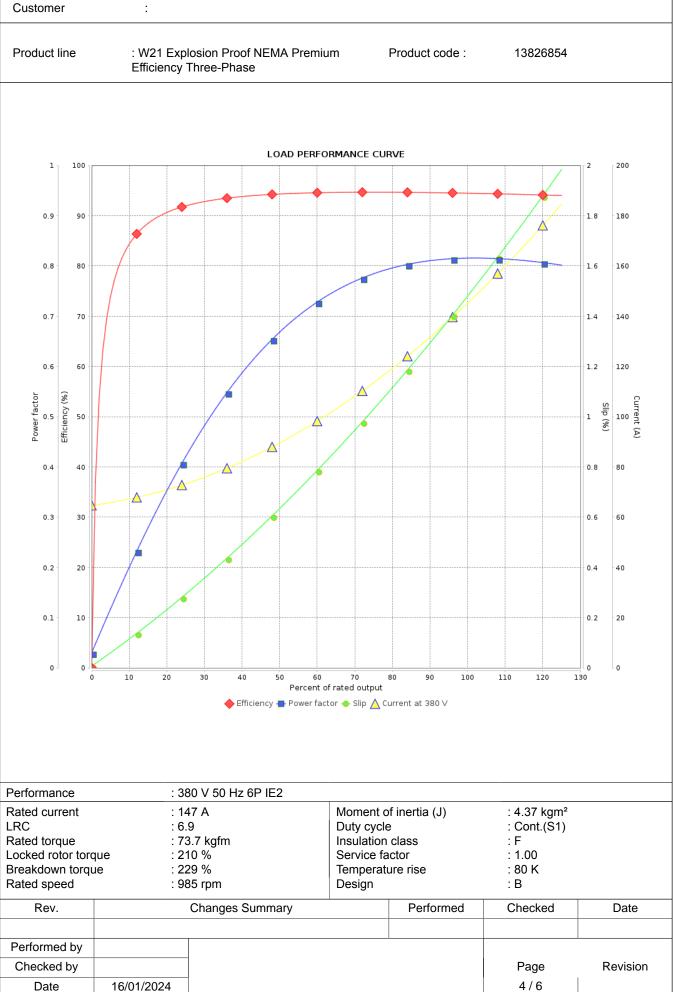
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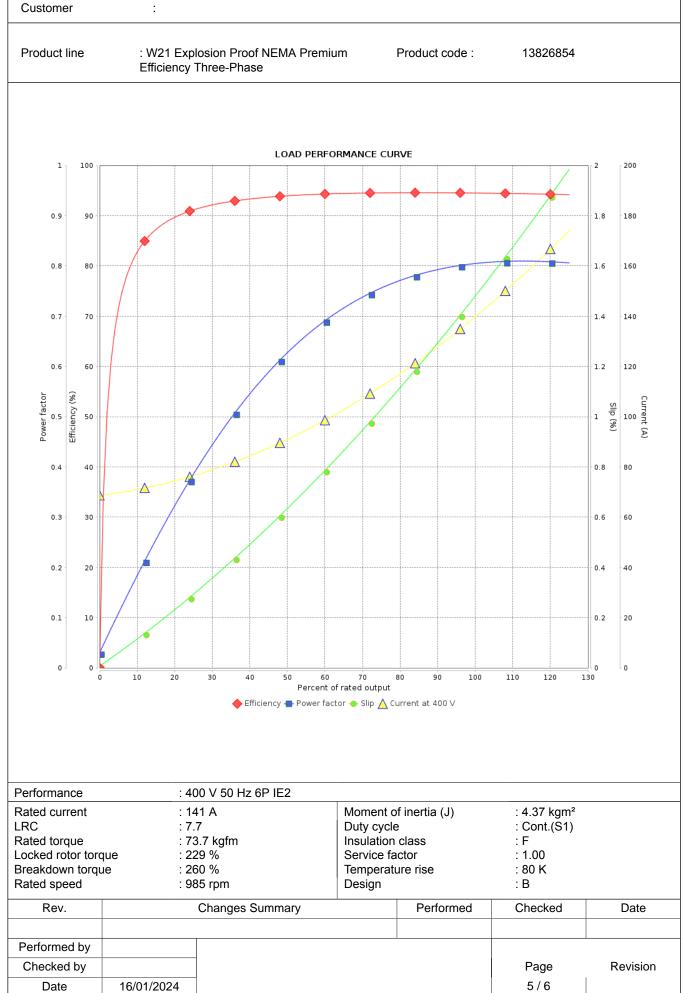
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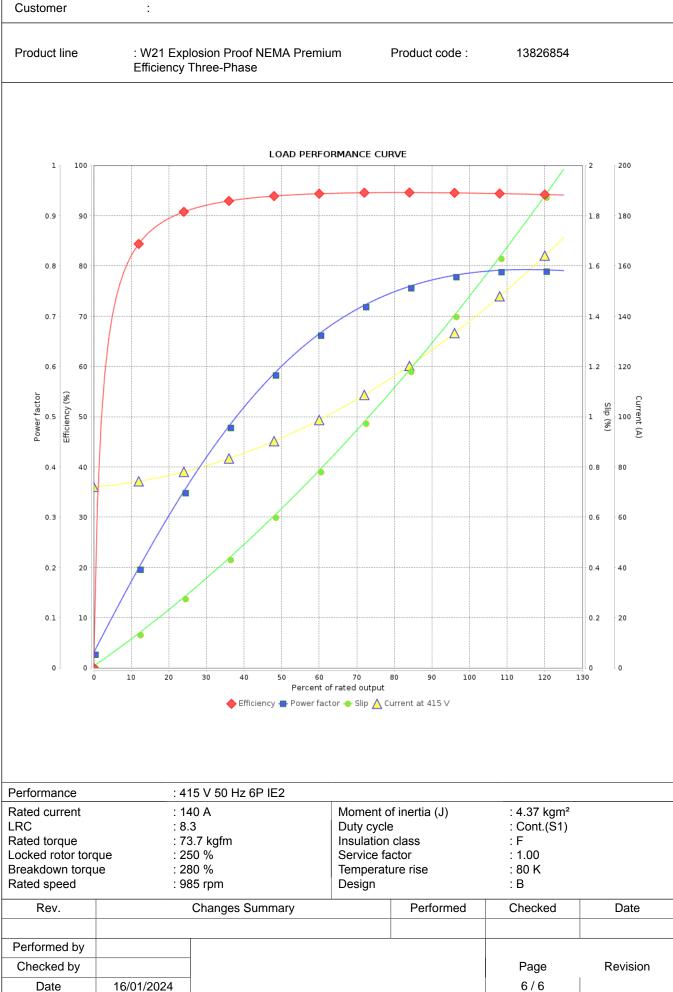
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