DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		Explosion hcy Three-	Proof NEMA I Phase	Premiun	ו	Produc	ct code :	14443	177	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284TS : 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 : 210 kg : 0.1086 kgm ²			
Output [HP]		. 5	25		25		2	5		25
Poles		25		23			25 2			23
Frequency [Hz]		60		50			50			50
Rated voltage [V]		230/460		380			400			415
Rated current [A]		57.1/28.6		34.7			33.1			31.7
. R. Amperes [A]		383/191		184			195		275	
_RC [A]		6.7x(Code G)		5.3x(Code E)		5.9x(Code F)		8.7x(Code J)		
No load current [A]]	12.6/6.30		6.00		6.50		7.00		
Rated speed [RPN		3545		2920			2930		2940	
Slip [%]		1.53		2.67			2.33		2.00	
Rated torque [kgfn		5.12		6.21			6.19		6.17	
ocked rotor torqu	e [%]	240		180			210		229	
Breakdown torque	[%]	240		180			200		220	
Service factor		1.15			1.00		1.00		1.00	
Temperature rise			80 K		80 K) K	80 K	
_ocked rotor time			d) 33s (hot)		cold) 25s (hot)) 25s (hot)		cold) 14s (hot)
Noise level ²) dB(A)	7	0.0 dB(A)			dB(A)	7	′0.0 dB(A)
	25%		91.5		92.1			1.5		90.9
Efficiency (%)	50%	91.7			91.7		91.7			91.7
Enciency (70)	75%	92.4			91.7		91.7			91.7
	100%		92.4		91.0		91.7			92.4
	25%	0.58			0.64		0.61			0.57
Power Factor	50%		0.78		0.82		0.80			0.77
	75%		0.85		0.87		0.86 0.88		0.85	
	100%	().88		0.89		0.	88		0.88
Losses at normati	ive operating	points (sp	eed;torque), i	n percer	ntage of ra	ted ou	tput power			
),9;1,0) 7.8			9.3		8.6			7.8
	P2 (0,		5.9			7.1		6.5		5.9
		25;1,0)	5.0		6.0 4.5			5.5	5.0 3.7	
Losses (%)		9;0,5)	3.7					4.1		
		5;0,5)	2.1		2.5		2.3		2.1	
	P6 (0,		1.2		1.5		1.4			1.2
	P7 (0,2	25;0,25) 0.7			0.8		0.8			0.7
		Drive end Non drive			I Foundation loads					
Bearing type		: 6311 C3 6211 C3			Max. traction		: 89 kgf			
Sealing		: Oil Seal Lip Seal		Max. compression		: 299 kgf				
Lubrication interval		: 11517 h 14226 h								
Lubricant amoun	t	: 18		1 g						
Lubricant type		: IV	obil Polyrex E	IVI						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	d. otor from the m and with to veight subjec	shaft end. plerance o	f +3dB(A).	nich				based on te ne tolerances		n sinusoidal ated in NEMA
Rev.			L	Performed		Checke	d	Date		
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Notes

USABLE @208V 62.8A SF 1.10 SFA 69.0A

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Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	15/01/2024	-		2/7	

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ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C	
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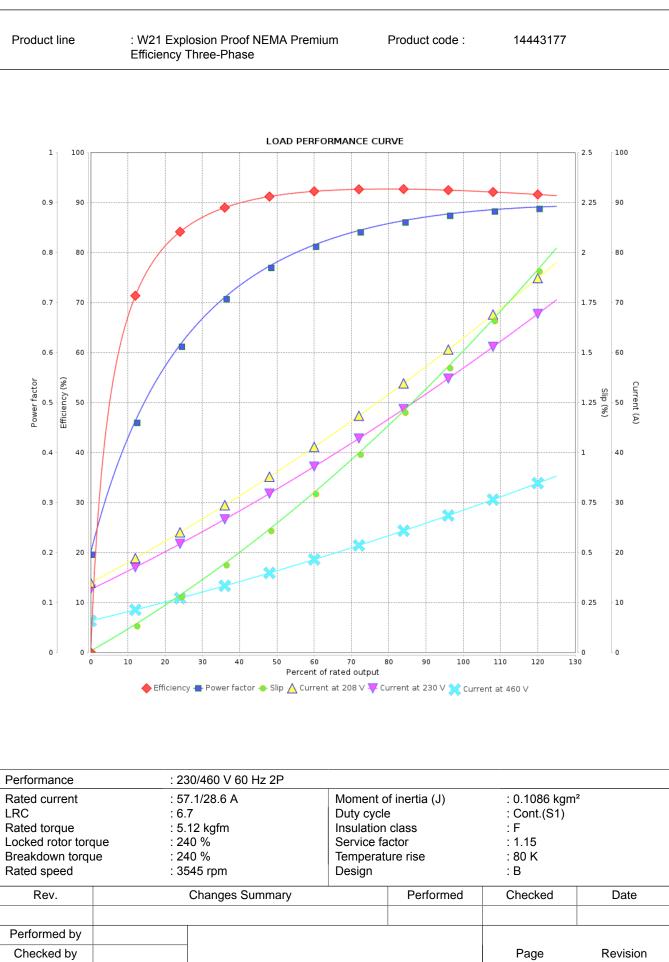
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Date

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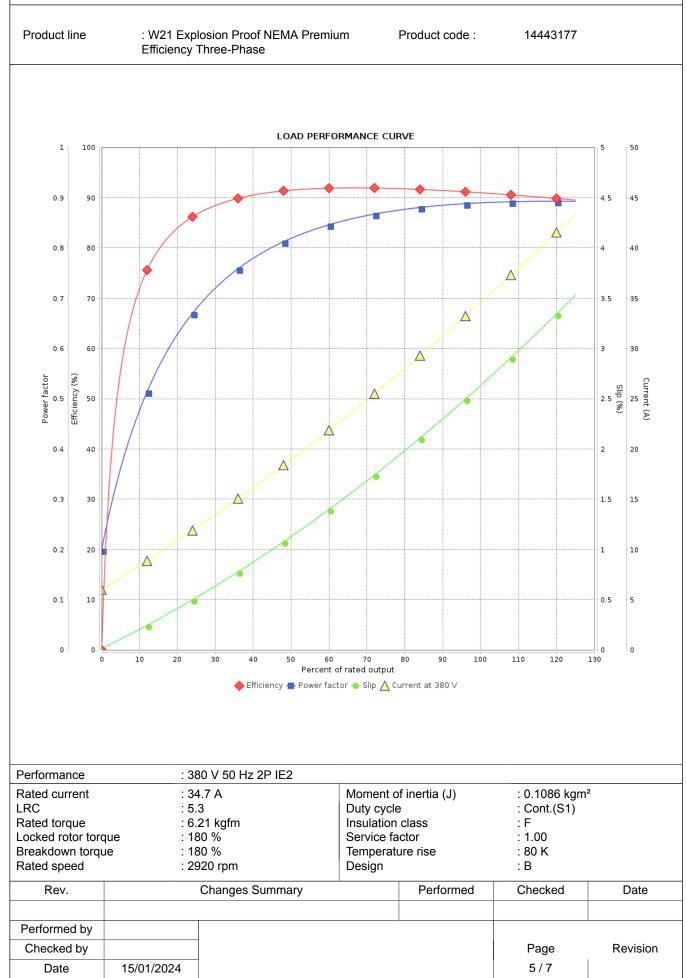
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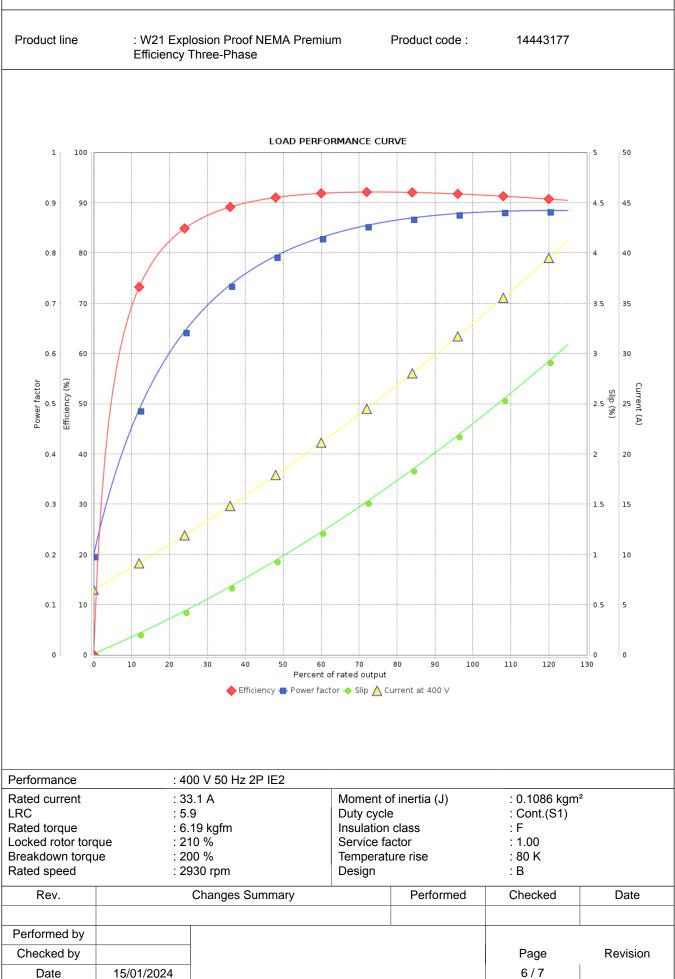
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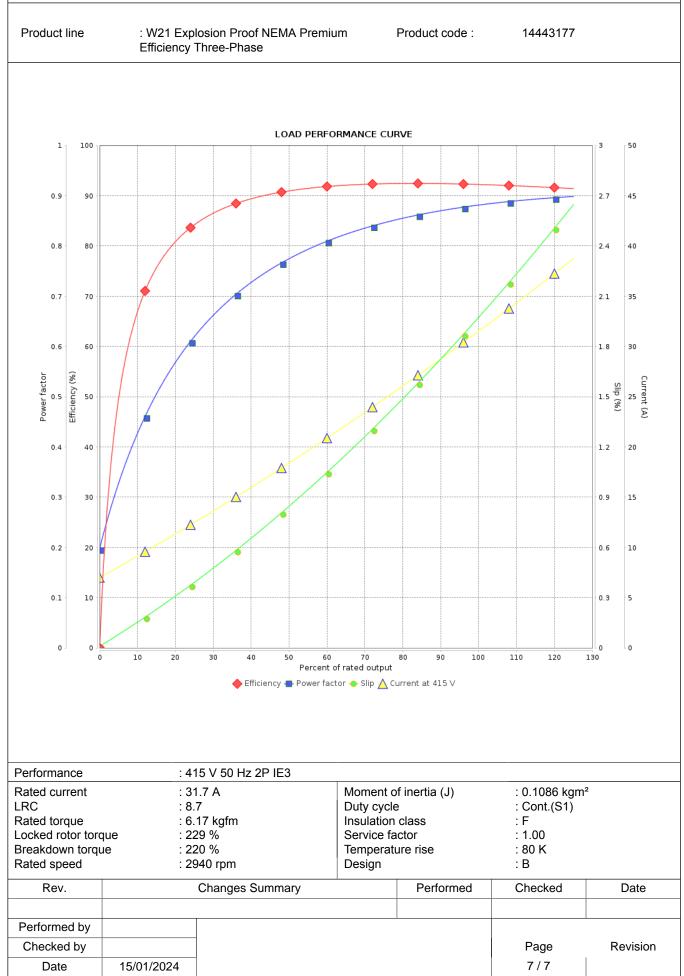


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