DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W22 NEMA Premium Efficiency Product Three-Phase					t code :	ode : 11568843			
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284/6T : 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)		: F-1 : Both : Direc : 190	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 190 kg : 0.3448 kgm²			
Output [HP]			15		15		1	5		15	
Poles		8			8		8			8	
Frequency [Hz]		60			50		50		50		
Rated voltage [V]		230/460			380		400		415		
Rated current [A]		39.2/19.6			23.6		22.7		22.1		
L. R. Amperes [A]		216/108		101			109			113	
LRC [A]		5.5x(Code G)		4.3x(Code D))	4.8x(Code F)		5.1x	(Code F)	
No load current [A]		19.6/9.80		9.70			10.5			11.1	
Rated speed [RPM]		880		720			725		730		
Slip [%]		2.22			4.00		3.33		2.67		
Rated torque [kgfm]		12.4			15.1		15.0		14.9		
Locked rotor torque [%]		200			150		170			190	
Breakdown torque [%]		229			180		200			220	
Service factor		1.25			1.00		1.00			1.15	
Temperature rise		80 K		<u> </u>	105 K		105 K			105 K	
Locked rotor time		45s (cold) 25s (hot) 54.0 dB(A)			cold) 18s (hot)			2s (cold) 18s (hot) 52.0 dB(A)		old) 18s (hot)	
Noise level ²	25%	54.0) ав(A)	5	2.0 dB(A)		52.00	зВ(A)	52	.0 dB(A)	
Efficiency (%)	25% 50%	85.5			88.0		00	0		88.0	
	75%				88.5		88.0 88.5			88.5	
	100%		90.0 90.2		88.6		88.6			88.6	
	25%		90.2		00.0		00.0			00.0	
	50%	0.62			0.68		0.64			0.62	
Power Factor	75%).72		0.76		0.04			0.73	
	100%	0.72			0.80		0.79			0.78	
		1						•		0.1.0	
Losses at normati				n percei			put power	40.0		40.0	
		,9;1,0)	10.3		10.3 8.2		10.3			10.3	
		,5;1,0)	8.2		7.6		8.2		8.2		
		25;1,0)	7.6		5.5		5.5		7.6		
Losses (%)		,9;0,5) ,5;0,5)	3.7		3.7		3.7		5.5		
					2.7						
		5;0,25) 25;0,25)				1.8		2.7		2.7 1.8	
	F1 (U,2					-		1.0 1.8		1.0	
Rooring type		Drive		ive end	Foundation loads		<u> </u>				
Bearing type		6311 C3 6211 C3			Max. traction		: 374 kgf				
Sealing		: V'Ring V'R			Max. compression		n	: 564 kgf			
Lubrication interval		: 20000 h 2000									
Lubricant amount Lubricant type		: 18 g 11 g : Mobil Polyrex EM									
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w	d. otor from the m and with t veight subjec	shaft end olerance o	f +3dB(A).	nich				based on te e tolerances			
manufacturing process.		Changes Summers					formed	urmod Objection		Data	
Rev.		Changes Summary			Perfo		formed Checked		u	Date	
Performed by											
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Notes

USABLE @208V 42.9A SF 1.15 SFA 49.3A

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	20/10/2024			2/6	

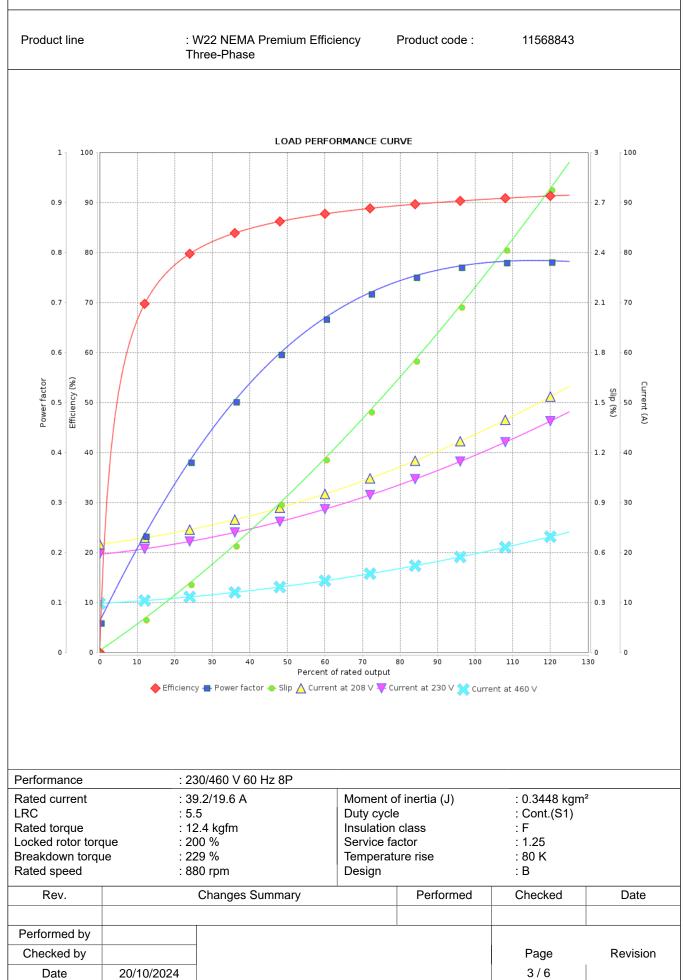
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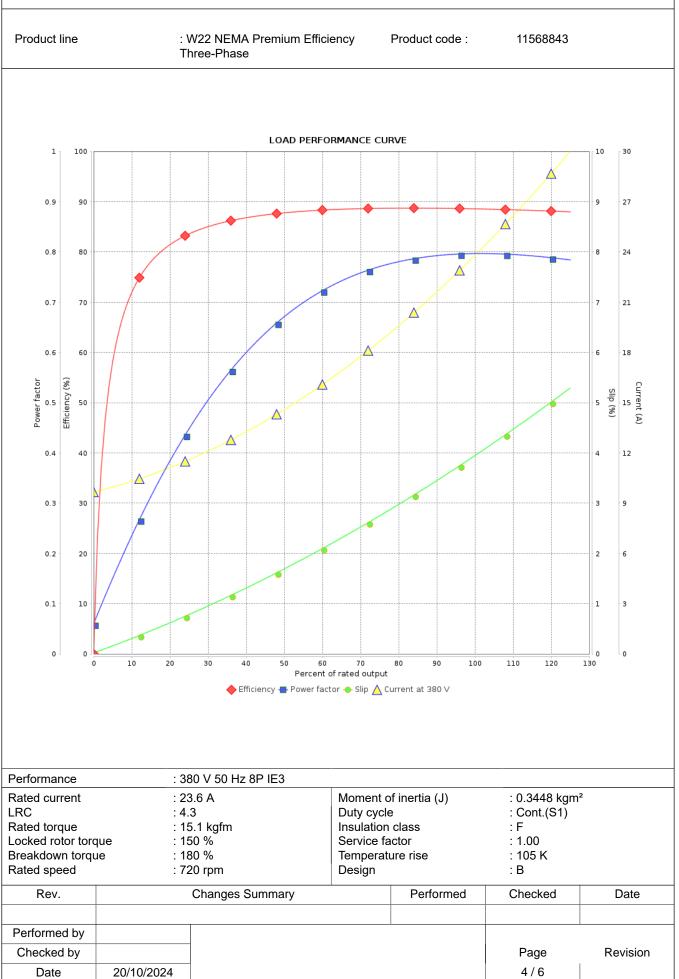
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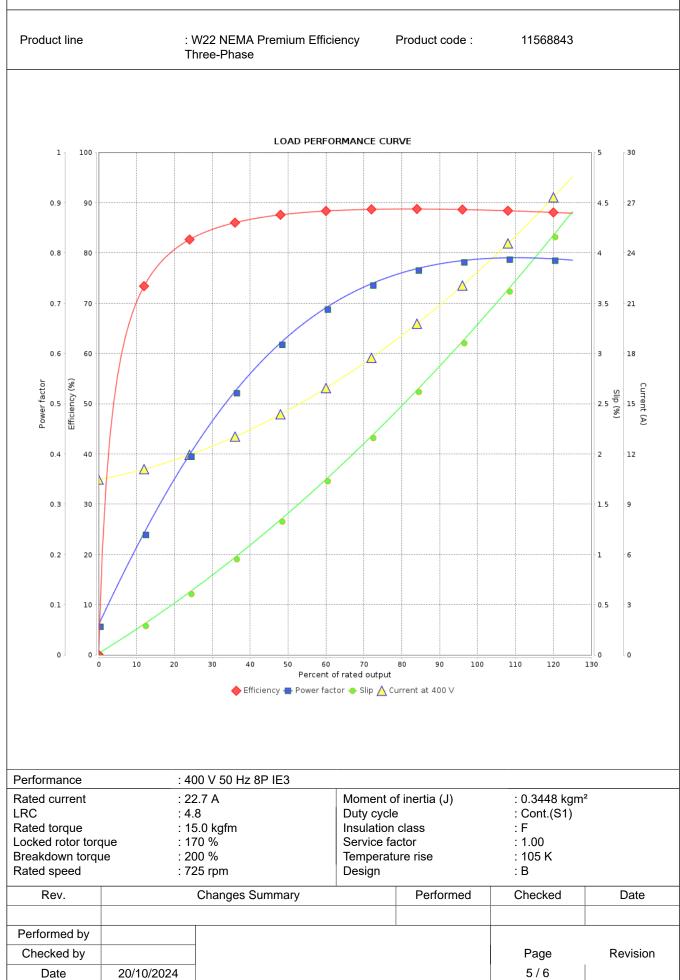


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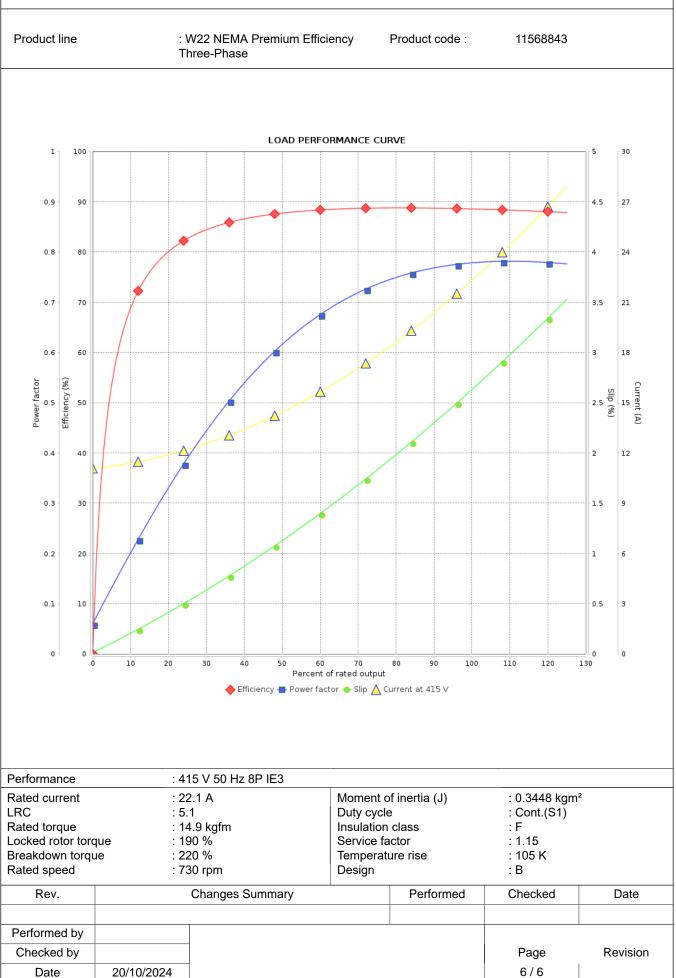
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