DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line	: W22 NEMA Premium Efficiency Product code : 12445703 Three-Phase						703		
Frame	: 182/4T			Cooling meth	nod	: IC411 - TEFC			
Insulation class		: F			Mounting		: F-1		
Duty cycle		: Cont.(S	61)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ture		: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m	n.a.s.l.		Approx. weight ³		: 42.3 kg		
Protection degree	e	: IP55			Moment of inertia (J)		: 0.0206 kgm²		
Design		: B							
Output [HP]			1.5		1.5	1.		1.5	
Poles		6		6		6		6	
Frequency [Hz]		60			50	5		50	
Rated voltage [V]			230/460		380	40		415	
Rated current [A]		5.08/2.54			2.68	2.0		2.64	
. R. Amperes [A]			39.6/19.8		16.9	18		19.5	
_RC [A]		7.8x(Code M)		6.3x(Code J)		6.9x(C	,	7.4x(Code L)	
No load current [A]		3.25/1.63			1.60	1.7		1.80	
Rated speed [RPN	1]	1170		955		96		965	
Slip [%]		2.50		4.50		4.0		3.50	
Rated torque [kgfm			0.930		1.14	1.1		1.13	
Locked rotor torque		320			250	30		330	
Breakdown torque	[%]		400		290	33	80	370	
Service factor			1.25		1.00	1.0		1.00	
Temperature rise		8	30 K		80 K	80	K	80 K	
Locked rotor time		28s (col	d) 16s (hot)	25s (c	cold) 14s (hot)	25s (cold)	14s (hot)	25s (cold) 14s (hot	
Noise level ²		52.0) dB(A)	4	9.0 dB(A)	49.0 0	dB(A)	49.0 dB(A)	
	25%								
Efficiency (%)	50%		34.0		85.5	84		84.0	
Efficiency (%)	75%	8	36.5	86.5		86	.5	85.5	
	100%	8	87.5		85.5	86	.5	86.5	
	25%								
Power Factor	50%	0.45 0.54		0.52 0.63		0.48 0.60		0.45	
	75%							0.57	
	100%	(0.62		0.73	0.7	70	0.67	
Losses at normati	ve operating) points (sp	eed;torque), i	n percer	ntage of rated o	output power			
	P1 (0	,9;1,0)			13.4	13.4		13.4	
		,5;1,0)	10.3		10.3		10.3	10.3	
	P3 (0,			9.3		9.3		9.3	
Losses (%)	P4 (0	,9;0,5)	8.8		8.8		8.8	8.8	
		,5;0,5)	5.8		5.8		5.8	5.8	
		5;0,25)	4.8		4.8		4.8	4.8	
		25;0,25)			3.5		3.5	3.5	
	·	Drive	end Non dr	ive end	Foundation lo	ads			
Bearing type		: 6207		06 ZZ	Max. traction		: 66 kg	f	
Sealing			V'Ring V'Ring		Max. compres	ssion	: 108 kgf		
Lubrication interv	al	· •	wy v			551011	. 100 K	ษา	
Lubricant amount		: _		_					
Lubricant type		: N	lobil Polyrex E	EM					
This revision repla must be eliminate (1) Looking the m	d. otor from the m and with t	e shaft end olerance o	f +3dB(A).	nich				sts with sinusoidal s stipulated in NEMA	
		t to change	es after						
(2) Measured at 1 (3) Approximate w manufacturing pro	cess.			Changes Summary		Performed			
(3) Approximate w	ocess.	Chang	ges Summary		P	Performed	Checke	d Date	
(3) Approximate w manufacturing pro	DCESS.	Chang	ges Summary		P	Performed	Спеске	d Date	
(3) Approximate w manufacturing pro Rev.		Chang	ges Summary		P	Performed	Page	d Date Revision	

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Notes

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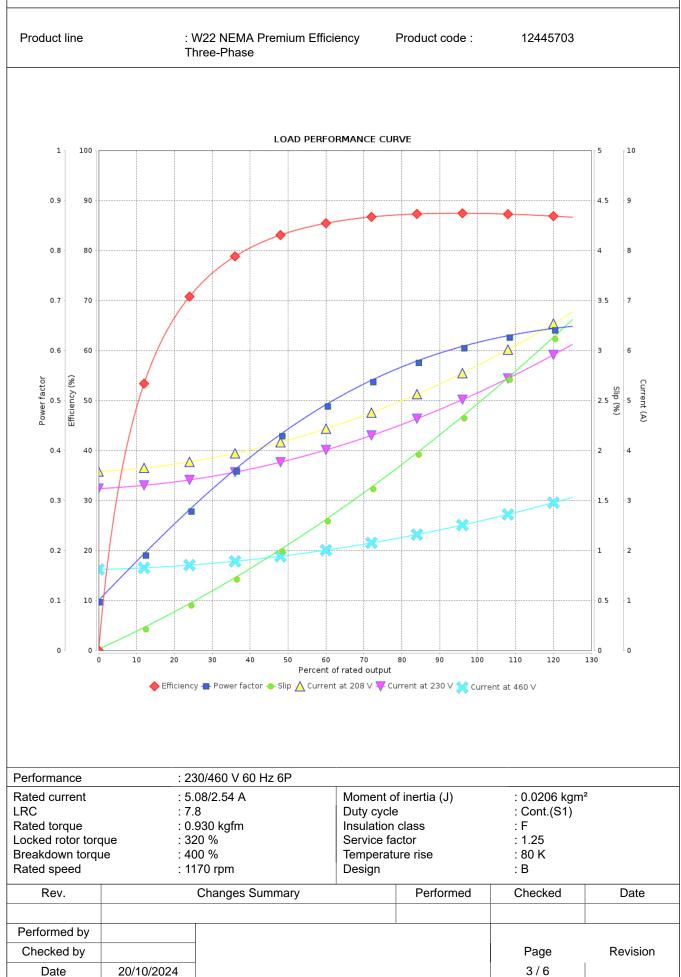
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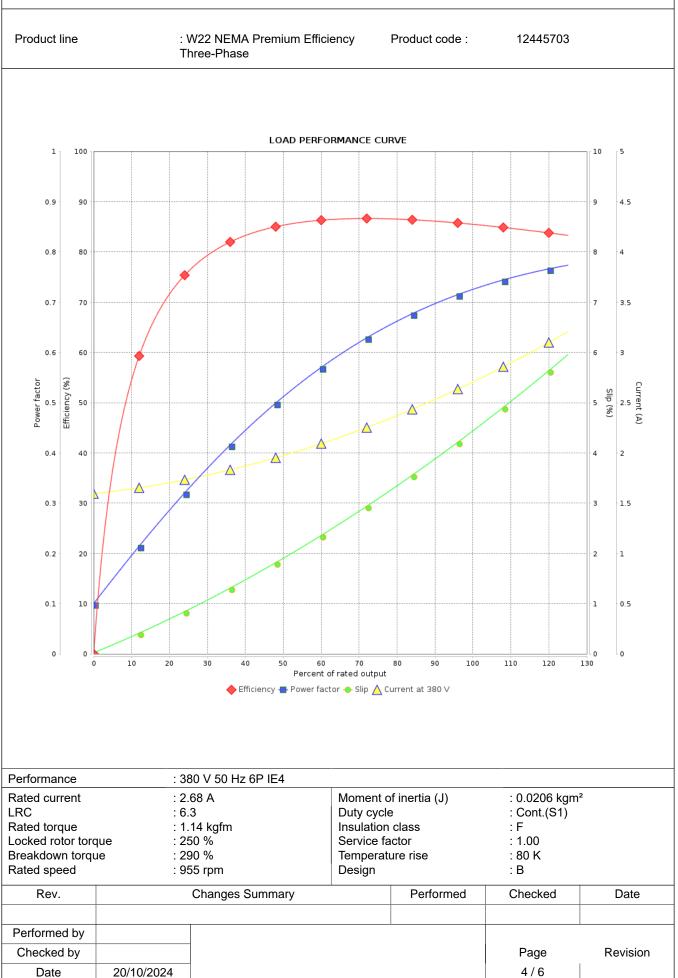
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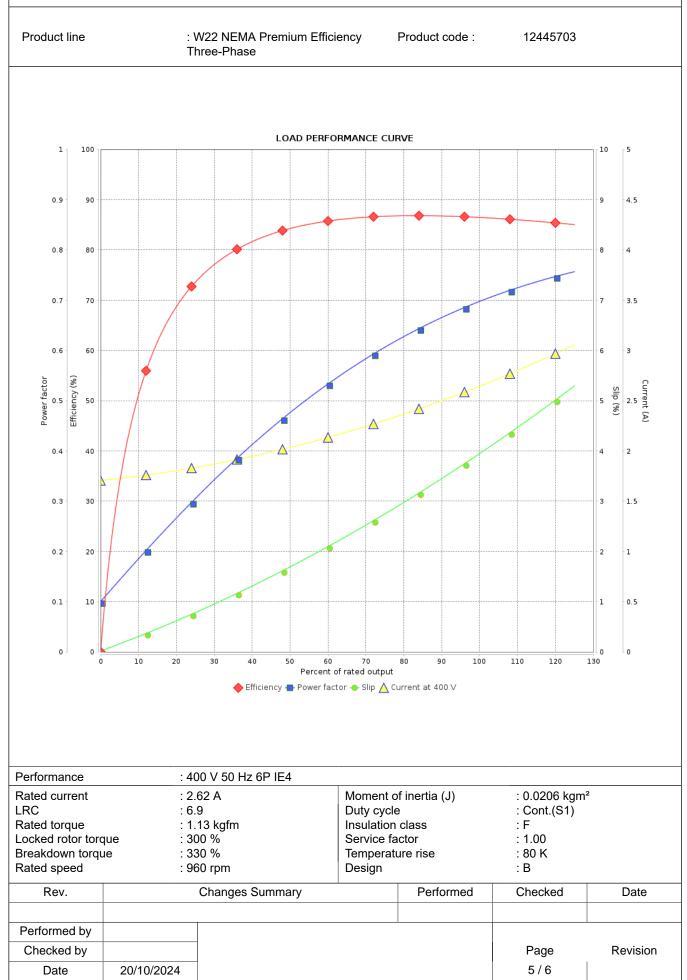


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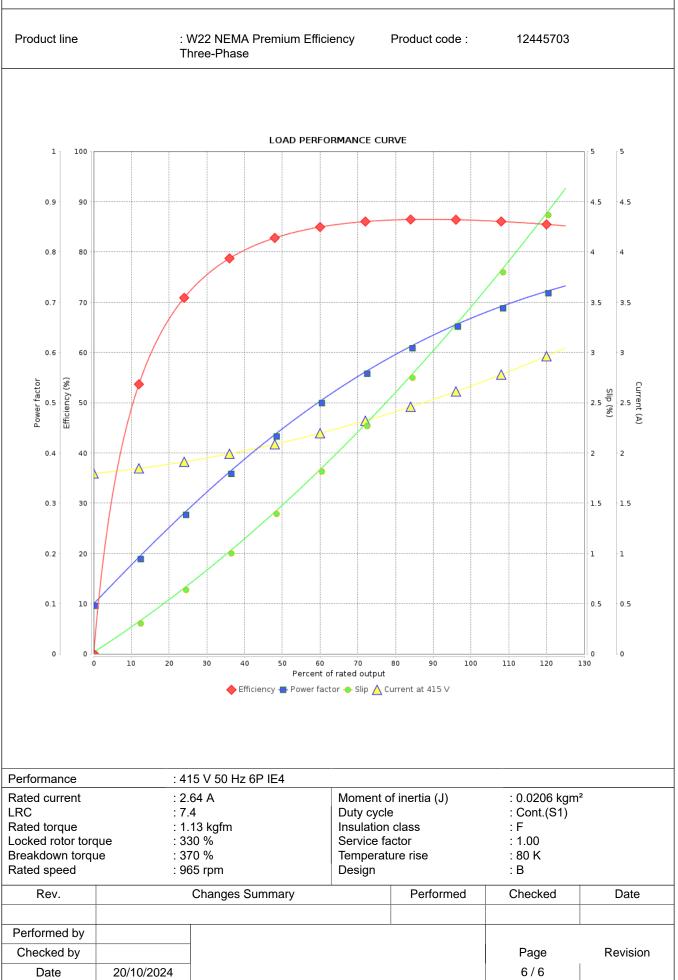
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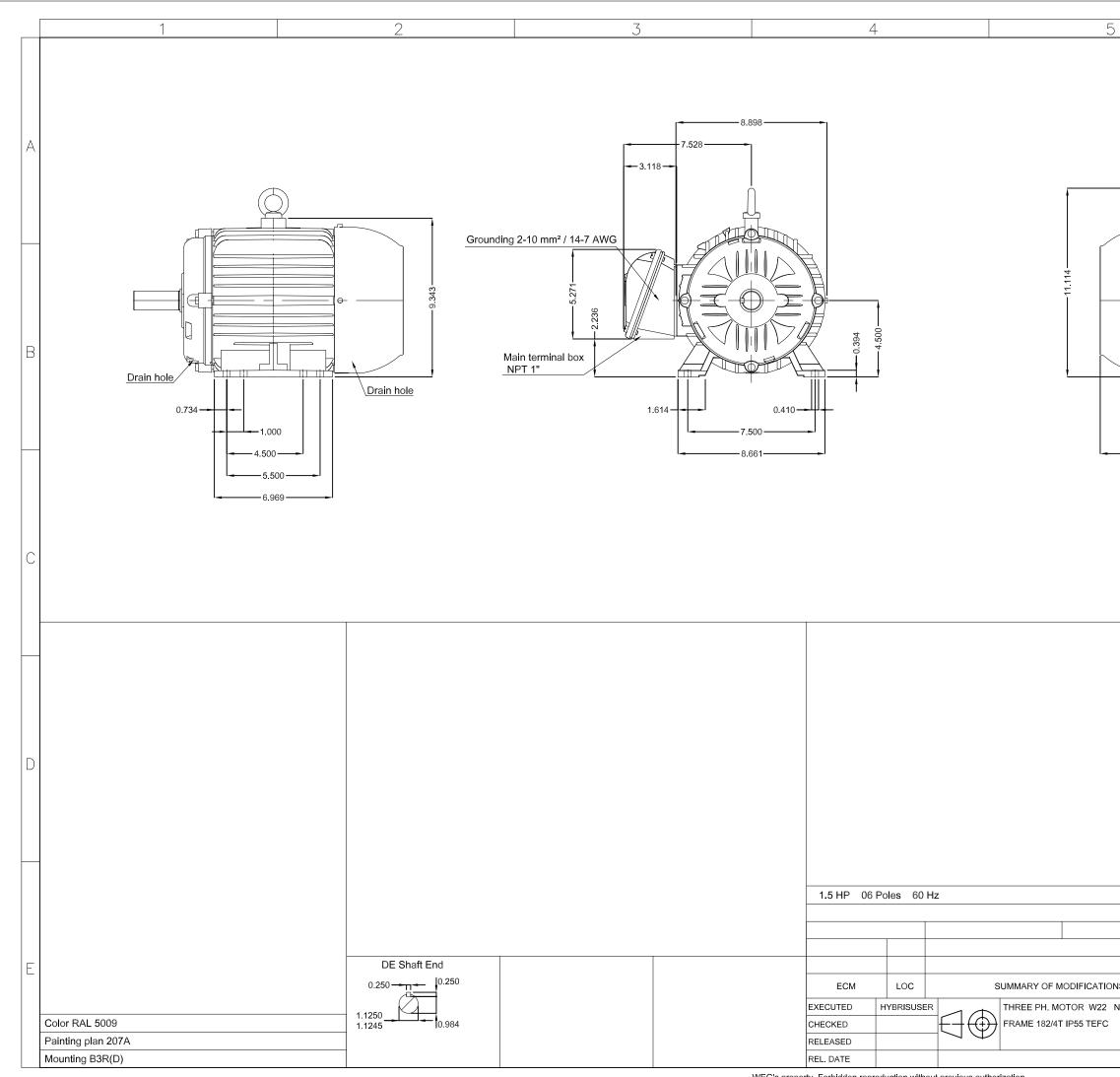
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						Dimensions in inches
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NS	EXECUTED	CHECKED	RELEASED	DATE	VER	
NEMA PREM. EFF	l	PREV				
				ШВ		A3
		WDD	00			
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