DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W22 NEMA Premium Efficiency Product code : 12445703 Three-Phase							
Frame		: 182/4T			Cooling method		: IC411 - TEFC		
Insulation class		: F			Mounting		: F-1		
Duty cycle		: Cont.(S1)			Rotation		: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C			Starting meth		: Direct On Line		
Altitude		: 1000 m.a.s.l.			Approx. weight ³ : 42.3 kg				
Protection degree		: 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	
L. R. Amperes [A]		39.6/19.8		16.9		18		19.5	
LRC [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 [RPM]		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		80 K			80 K	80	K	80 K	
Locked rotor time		28s (cold) 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	
Enciency (70)	75%	8	36.5		86.5	86	.5	85.5	
_	100%	87.5			85.5	86	.5	86.5	
Power Factor	25%								
	50%	0.45			0.52	0.48		0.45	
	75%	0.54			0.63	0.6		0.57	
	100%	0.62			0.73		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	
		25;1,0)	9.3		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 3.5		
		,		ive end	Foundation loads				
Bearing type		: 6207		06 ZZ	Max. traction		: 66 kg	f	
Sealing		: V'R		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			01		
(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

USABLE @208V 5.62A SF 1.15 SFA 6.46A

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

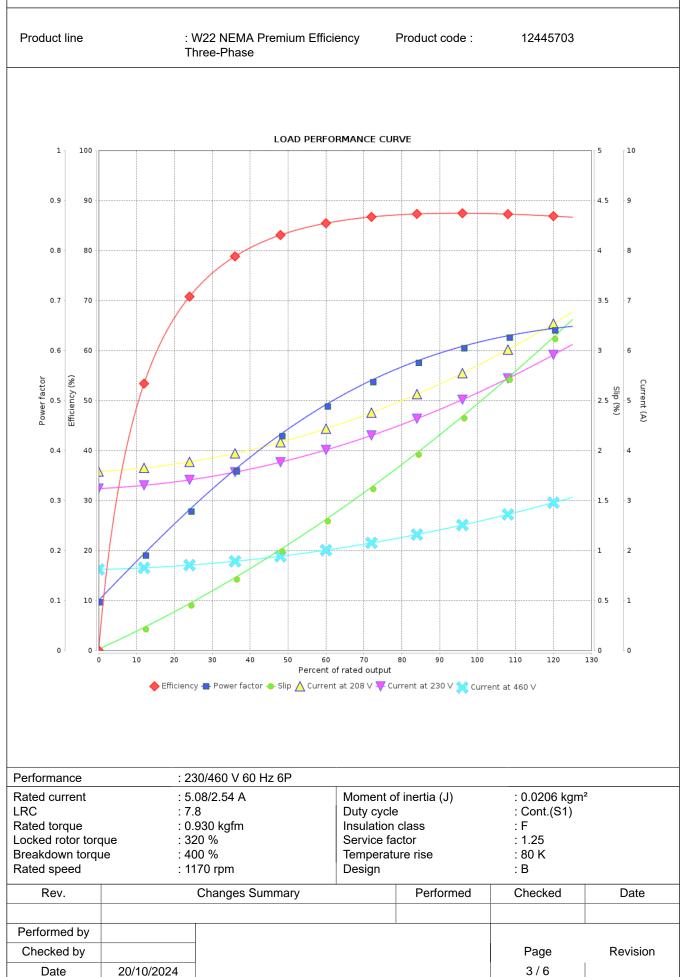
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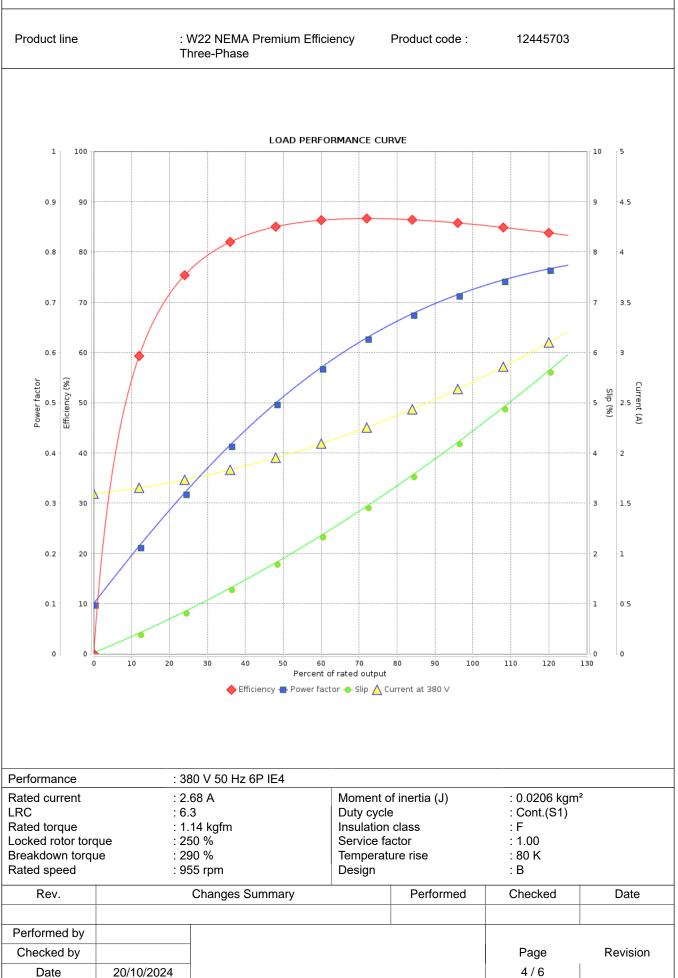
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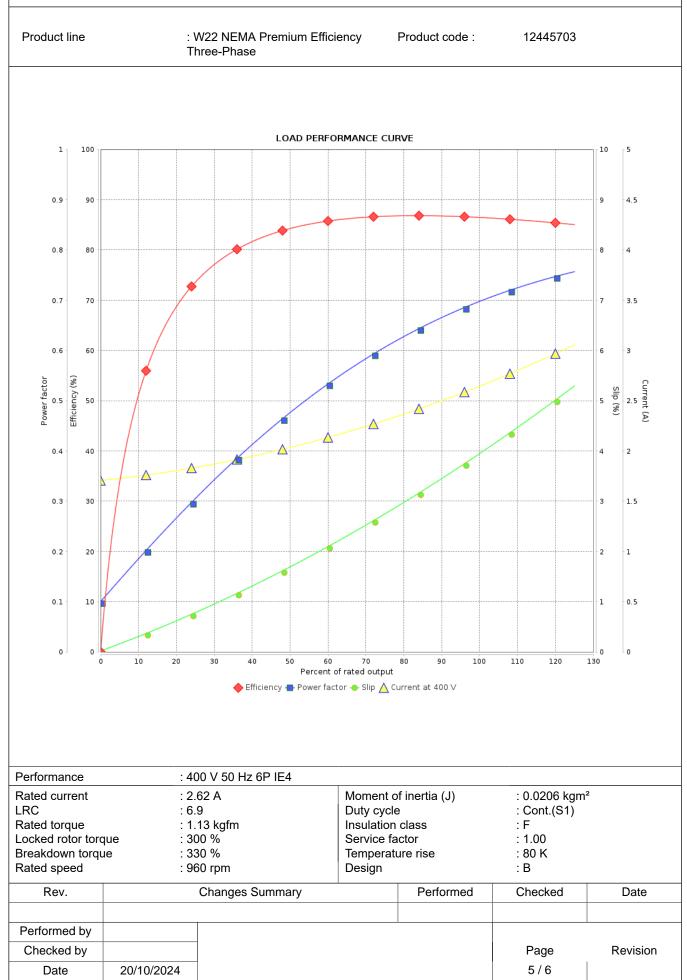


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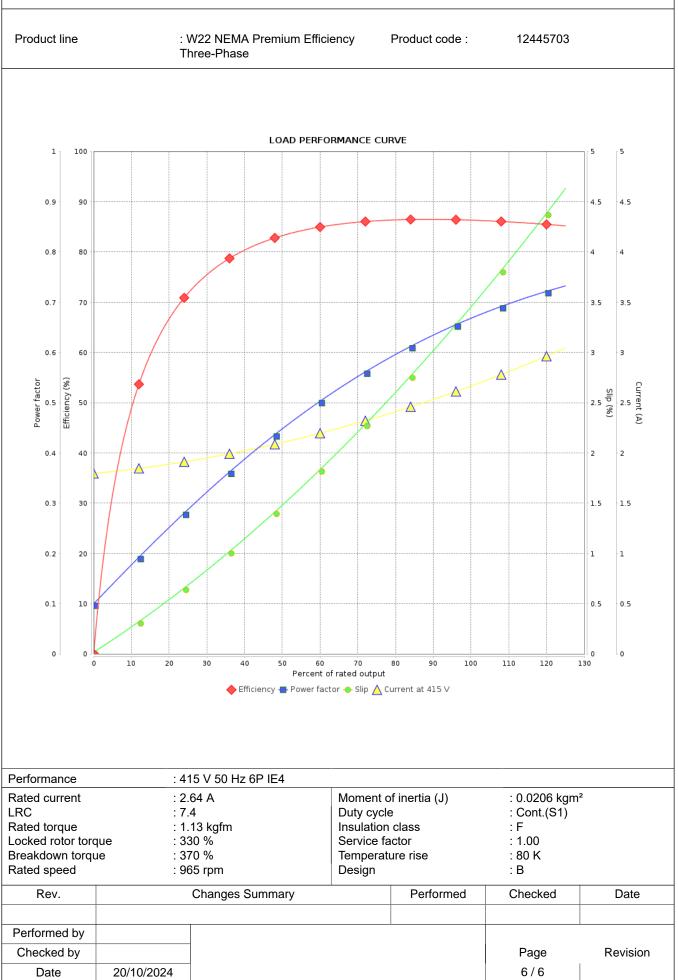
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