DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W22 NEMA Premium Efficier Three-Phase			ncy Product code :		de: 1274	12744764		
Frame Insulation class		: 284/6TC : F			Cooling method Mounting		: IC4 : F-1	: IC411 - TEFC		
Duty cycle		: Cont.(S	\$1)		Rotation ¹			: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C			Starting method			: Direct On Line		
Altitude		: 1000 m			Approx. weight ³			: 195 kg		
Protection degree	e	: IP55		Moment of inertia (J)			: 0.3448 kgm ²			
Design	-	: B				(-,	eg		
Output [HP]			15		15		15		15	
Poles			8		8		8		8	
Frequency [Hz]			60		50		50		50	
Rated voltage [V]			230/460		380		400	415		
Rated current [A]		40.1/20.0		23.9			23.0		2.4	
L. R. Amperes [A]		220/110		103			110		114	
LRC [A]		5.5x(Code G)		4.3x(Code E)			4.8x(Code F)		Code F)	
No load current [A		20.0/10.0		9.80			10.5		11.5	
Rated speed [RPN	1]	880		720			725		25	
Slip [%]		2.22		4.00			3.33	3.33		
Rated torque [kgfn			12.4		15.1		15.0		15.0	
Locked rotor torqu		220			150		170	190		
Breakdown torque	[%]	229			200		200	220		
Service factor		1.25			1.00		1.00	1.15		
Temperature rise		80 K			105 K		105 K	1()5 K	
Locked rotor time		39s (cold) 22s (hot)		27s (o	cold) 15s (ho	ot) 27s	s (cold) 15s (hot)		d) 15s (hot	
Noise level ²	05%	54.0) dB(A)	5	2.0 dB(A)		52.0 dB(A)	52.0	dB(A)	
Efficiency (%)	25% 50%	9	85.5		88.0		88.0	9	8.0	
	75%	90.0		88.5			88.5		8.5	
	100%		39.5		88.6		88.6		8.6	
	25%		59.5		00.0		00.0	C	0.0	
	50%	(1 61		0.66		0.62	0	.59	
Power Factor	75%		0.61		0.00		0.73		.70	
	100%		0.77		0.79		0.78		.77	
Losses at normati				n norool						
LUSSES at normal		,9;1,0)	11.4	n percer	12.		12.5		12.5	
							12.5			
		,5;1,0)	9.9		10.0			10.8		
		25;1,0)	9.3		10.2		10.2		10.2	
Losses (%)		,9;0,5)	5.6		6.2		6.2		6.2	
		,5;0,5)	4.1		4.4		4.4		4.4	
		5;0,25)	2.8		3.1		3.1		3.1	
	P7 (0,2	25;0,25)	2.1		2.3		2.3		2.3	
De enio d		Drive		ive end						
Bearing type			: 6311 C3 6211		Max. traction		: 375 kgf			
Sealing					Ring Max. compress		sion : 570 kgf			
Lubrication interv		: 2000		000 h						
Lubricant amoun Lubricant type	t	: 18 · M	g 1 Iobil Polyrex E	l1 g =м						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the	ncel the pre	evious one, wł				values based on t ct to the tolerance			
(3) Approximate v	veight subjec									
manufacturing process.		Changes Summary			Performed		ned Check	ed	Date	
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Notes

USABLE @208V 42.9A SF 1.15 SFA 49.3A

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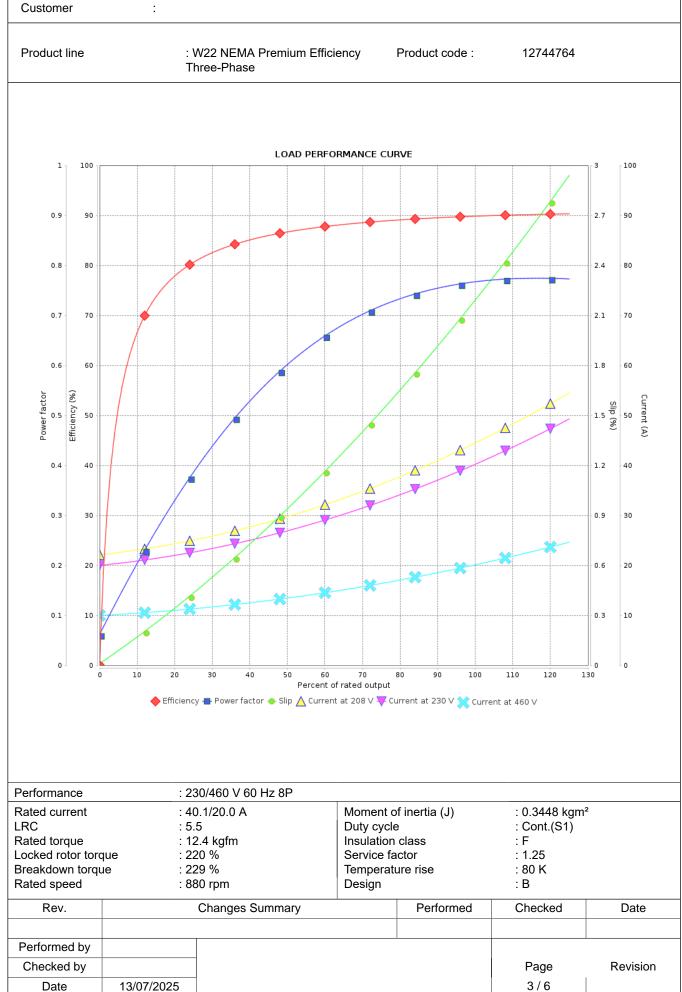
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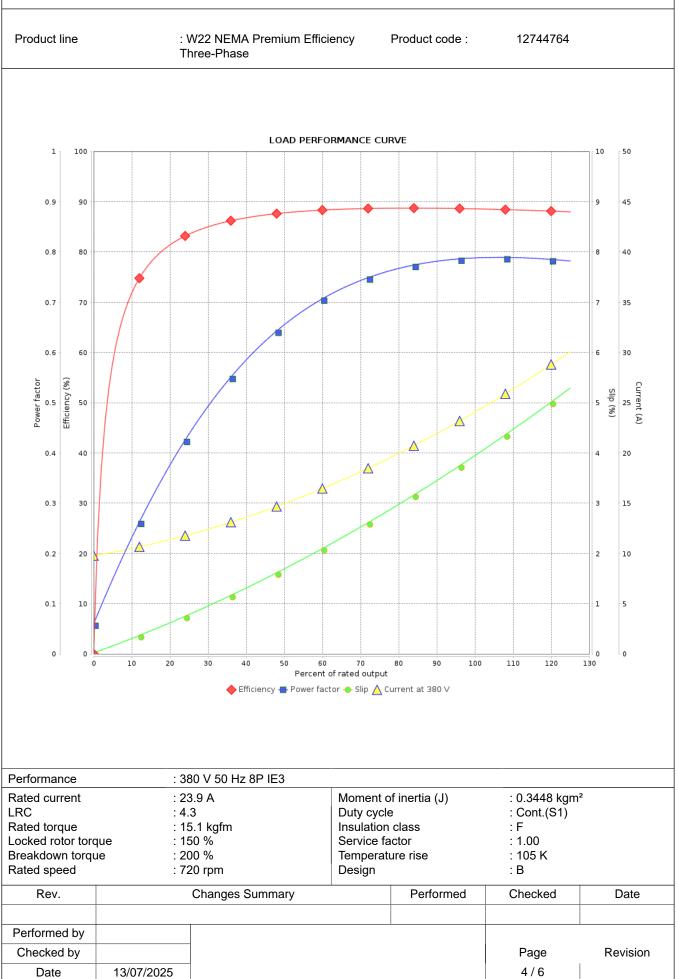
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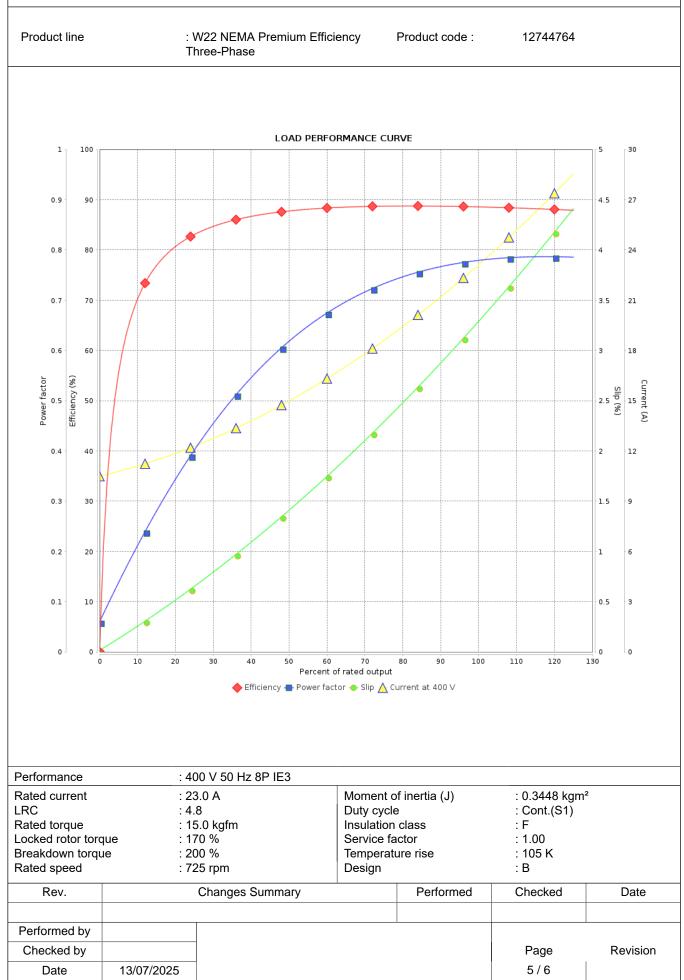


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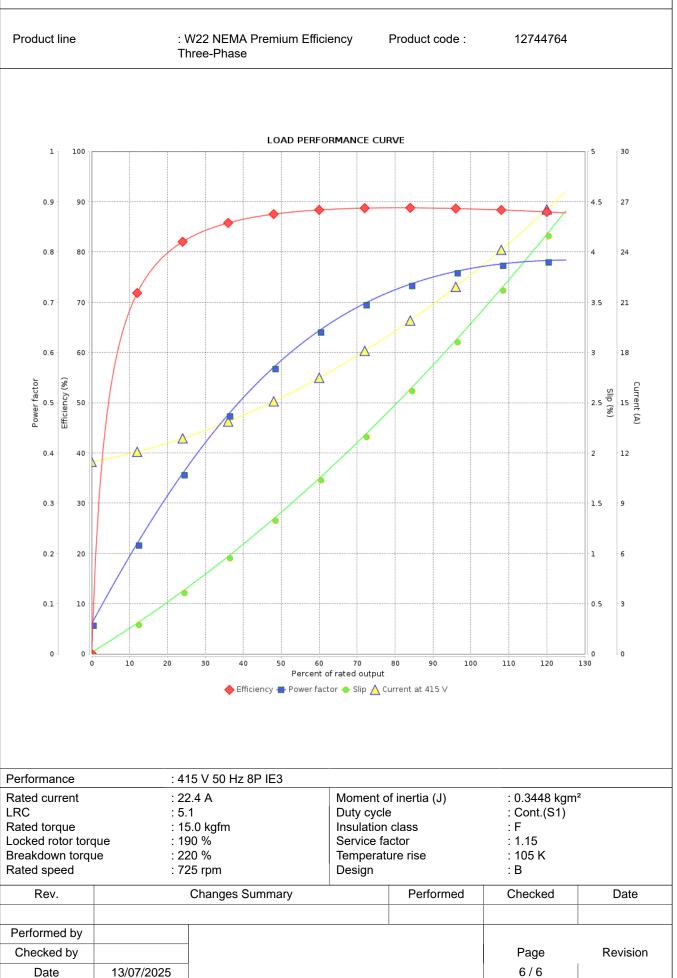
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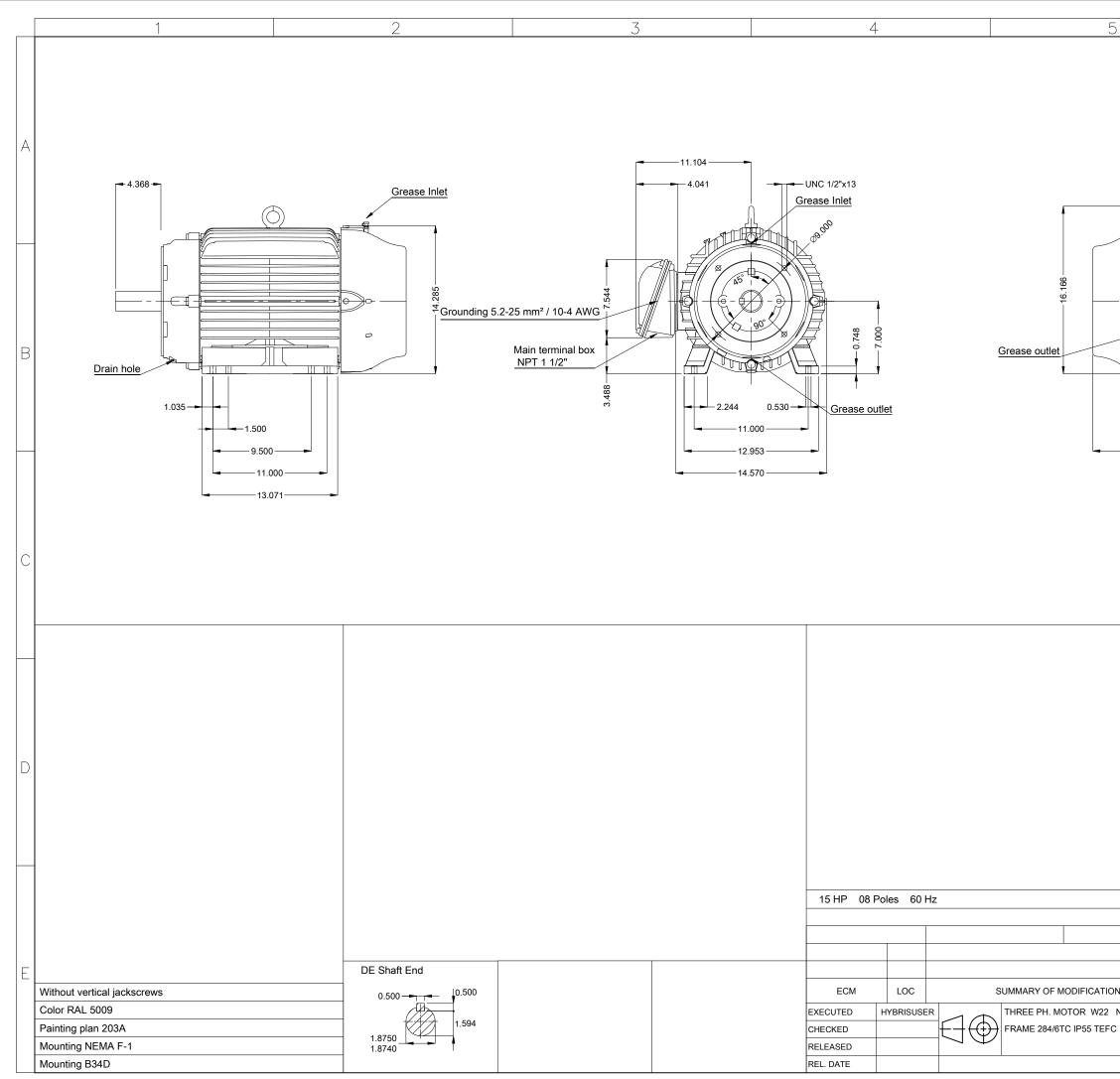
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					Dimensions in inches
				A	
		Scale	1:9		
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NS EXECUTED		RELEASED	DATE	VER	
NEMA PREM. EFF.	PREVI		ШВ		A3
	WDD SHEET	00			