DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		Three-P	EMA Premiun hase		поу	Product c		11355	1 24	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 364/5T : 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 : 346 kg : 0.9884 kgm ²				
Output [HP]			30]	30		30			30
Poles			8		8		8			8
Frequency [Hz]			60		50		50			50
Rated voltage [V]		230/460			380		400			415
Rated current [A]		76.2/38.1		45.5			43.3			42.2
. R. Amperes [A]		472/236		223			238		249	
_RC [A]		6.2x(Code G)		4.9x(Code E))	5.5x(Code F)		5.9x(Code G)	
No load current [A		32.0/16.0		16.0			17.0		18.0	
Rated speed [RPN	/]	882		725			725			730
Slip [%]		2.00		3.33			3.33		2.67	
Rated torque [kgfm]		24.7		30.0			30.0		29.8	
Locked rotor torque [%]		160		120			140		150	
Breakdown torque	[%]	229			160		190		200	
Service factor		1.25			1.00 105 K		1.00 105 K		1.00	
Temperature rise Locked rotor time		80 K		200 /0	105 K s (cold) 17s (hot)					105 K old) 18s (hot
Locked rotor time		45s (cold) 25s (hot) 60.0 dB(A)			$\frac{175(not)}{56.0 \text{ dB}(A)}$			s (cold) 19s (hot) 56.0 dB(A)		.0 dB(A)
	25%	00.0		C	0.0 UD(A)		50.0 UB	(~)	50	.0 UD(A)
	50%	(91.5		89.0		90.5		90.5	
Efficiency (%)	75%		91.5 91.7		89.5		90.5			90.5
	100%		91.7		89.5			90.6		90.6
	25%	`	91.7							50.0
- -	50%	().62		0.71		0.67		0.65	
Power Factor	75%		0.73		0.79		0.77			0.75
	100%		0.79		0.82		0.81			0.80
								I		
Losses at normati				n percer		· ·		0		0 0
	P1 (0,		8.9	8.9			8.9		8.9	
		(,						7.2		7.2
Losses (%)		23, 1,0) 9;0,5)	7.2	7.2			3.9		3.9	
		<u>9,0,3)</u> 5;0,5)	2.8		2.8		2.8		2.8	
	P6 (0,		1.7		1.7		1.7		1.7	
	P7 (0,2		1.7		1.3			1.3		1.7
	11(0,2			ive and						1.0
Bearing type		<u>Drive end</u> <u>Non drive end</u> : 6314 C3 6314 C3			Foundation loads Max. traction			: 497 kgf		
Sealing		: WSeal WSeal				npressior	1	: 843 kgf		
Lubrication interval		: 20000 h 20000 h				101699101	1	. 043 kgi		
		: 27 g 27 g								
Lubricant type			lobil Polyrex E							
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with to veight subjec	shaft end	f +3dB(A).	nich			e values ba ject to the t			sinusoidal ed in NEMA
manufacturing pro										
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Notes USABLE @208V 81.8A SF 1.10 SFA 90.0A

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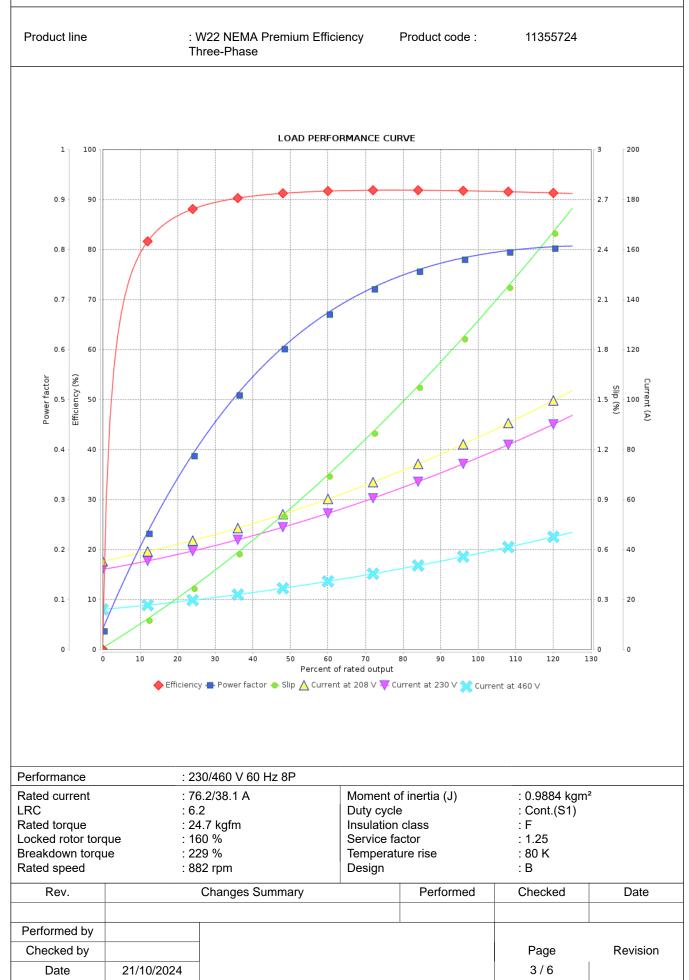
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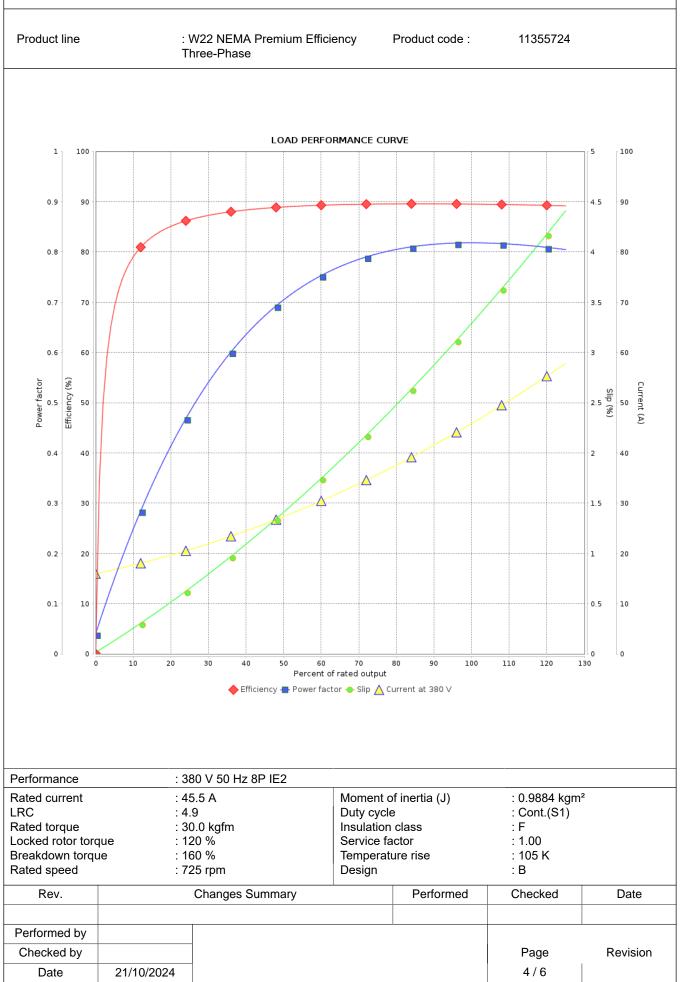
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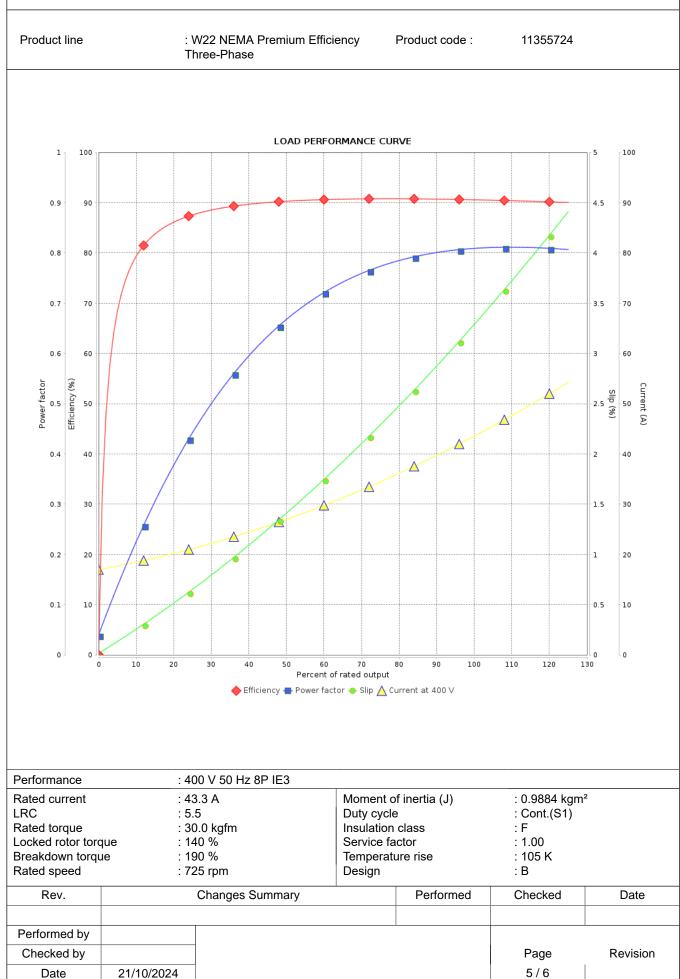


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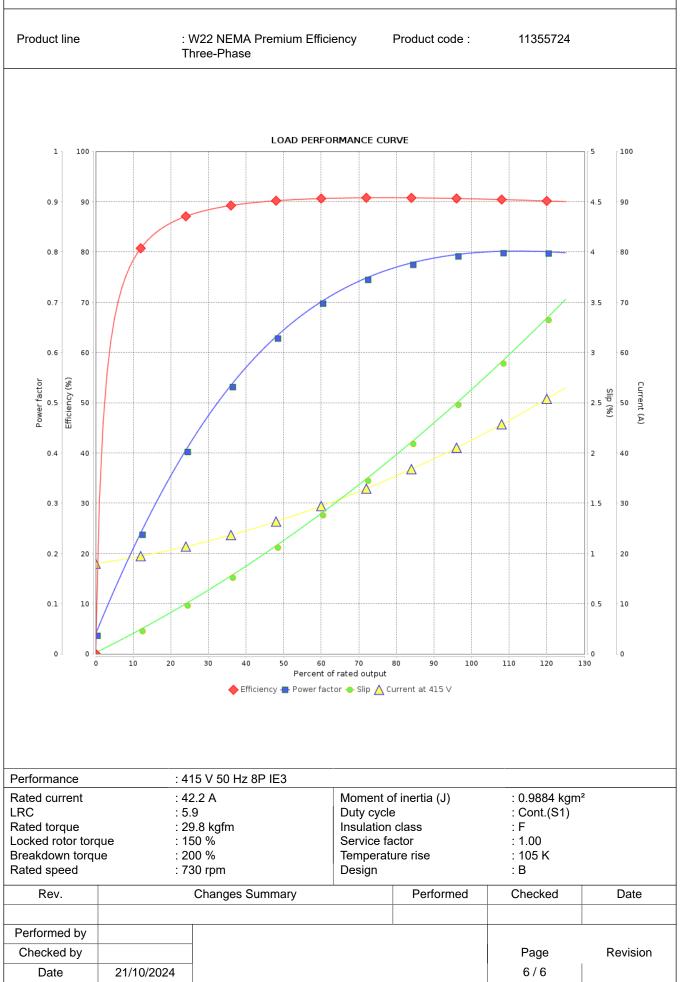
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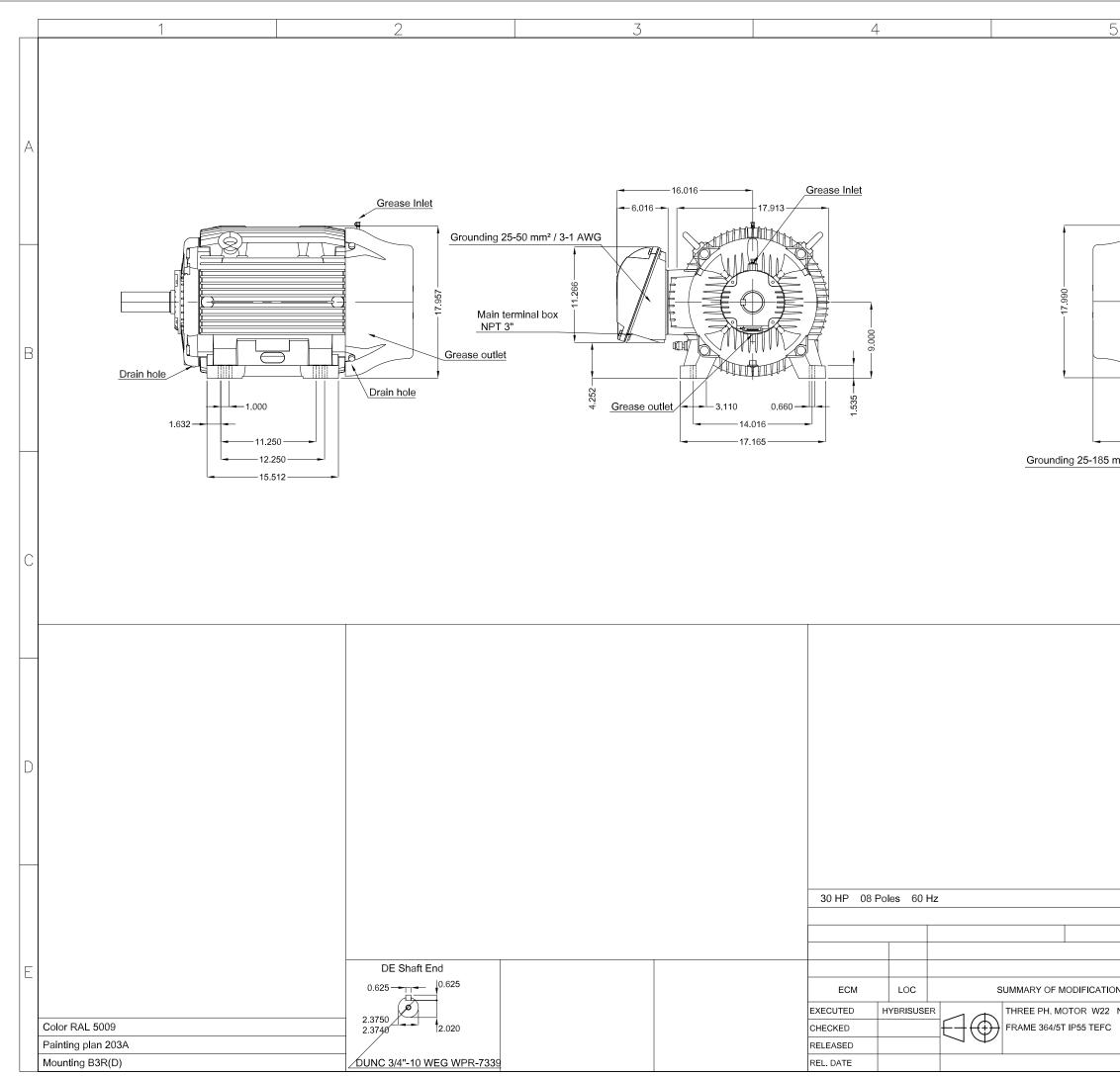
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