DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		Efficienc	y Three-Phas	e						
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 : 436 kg : 0.9798 kgm²		
Dutput [HP]			75		75		7	5		75
Poles		4		4			4			4
Frequency [Hz]		60		50			50			50
Rated voltage [V]		460		380			400		415	
Rated current [A]		87.2		106 541			102		98.7 602	
R. Amperes [A]		558		541 5.1x(Code E)		<u> </u>	571		6.1x(Code G)	
.RC [A] lo load current [A	1	6.4x(Code G) 33.0		33.0)	5.6x(Code F) 35.0		38.0	
Rated speed [RPN		33.0 1780		1475			1475		1480	
	1		1.11	1475			1475		1480	
Rated torque [kgfr	nl	30.5		36.9			36.8		36.8	
ocked rotor torqu		240		170			200		210	
Breakdown torque		240		<u> </u>	200		200		240	
Service factor		1.25			1.00		1.00		1.00	
emperature rise		80 K		105 K			105 K		105 K	
ocked rotor time		25s (cold) 14s (hot)		18s (d	18s (cold) 10s (hot)		18s (cold)		18s (d	cold) 10s (hot)
loise level ²) dB(A)		3.0 dB(A)		63.0 c			3.0 dB(A)
	25%									
Efficiency (%)	50%		94.5	94.5 94.1			94.5 94.5		94.1	
Enteriory (70)	75%		95.0							94.5
	100% 25%	Ç	95.4		93.6		94.1			94.5
Devuer Fester	50%	(0.68		0.75		0.70 0.80			0.67
Power Factor	75%	0.78		0.82						0.78
	100%	(0.83		0.84		0.83		0.82	
Losses at normat	ive operating	points (sp	eed:toraue). i	n percei	ntage of ra	ted out	out power			
		,9;1,0) 4.7		4.7		-	4.7			4.7
		5;1,0)	3.7			.7	3.7		3.7	
		25;1,0)	3.4		3.4		3.4		3.4	
Losses (%)		9;0,5)	2.4		2.4			2.4		2.4
	P5 (0	5;0,5)	1.6		1	.6		1.6		1.6
		5;0,25)	1.1			.1		1.1		1.1
	P7 (0,2	5;0,25)	0.7		0	.7		0.7		0.7
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		<u>Drive 6</u> : 6314 : Taco Laby : 1200 : 27 : M	C3 63 ² nite Tao rinth Lab 00 h 120	<u>ive end</u> 14 C3 conite oyrinth 000 h 27 g EM	Foundati Max. trac Max. cor	ction	-	: 773 k : 1209		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 Rev.	ed. otor from the	shaft end. olerance o				ipply, su		based on te e tolerances Checke	s stipula	i sinusoidal ted in NEMA Date
D ()))										
Performed by							1			
Checked by								Page		Revision

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Notes

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	22/10/2024	-		2/6	

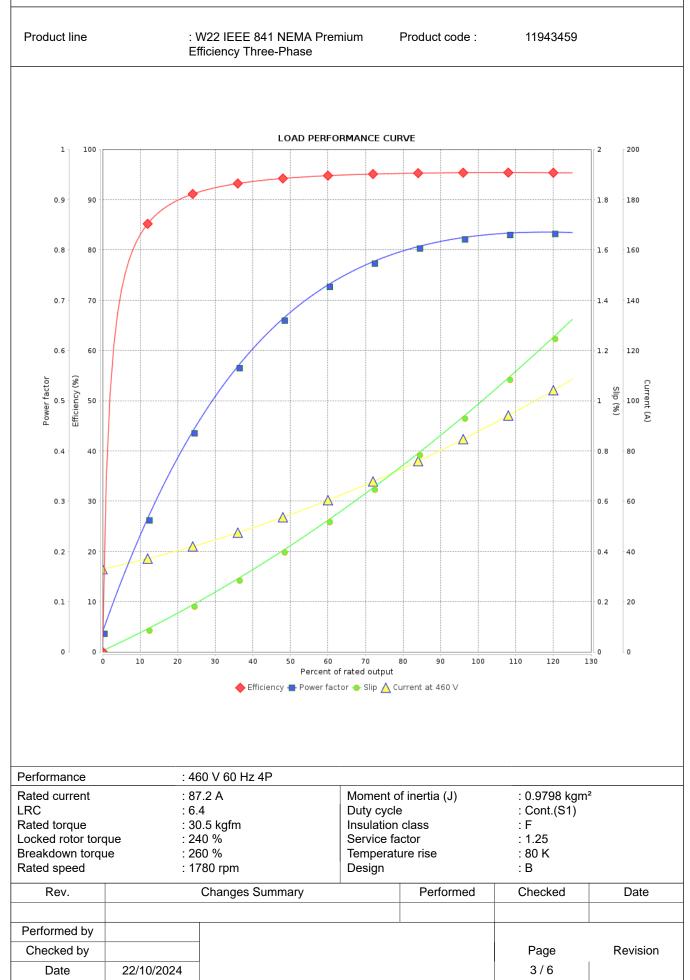
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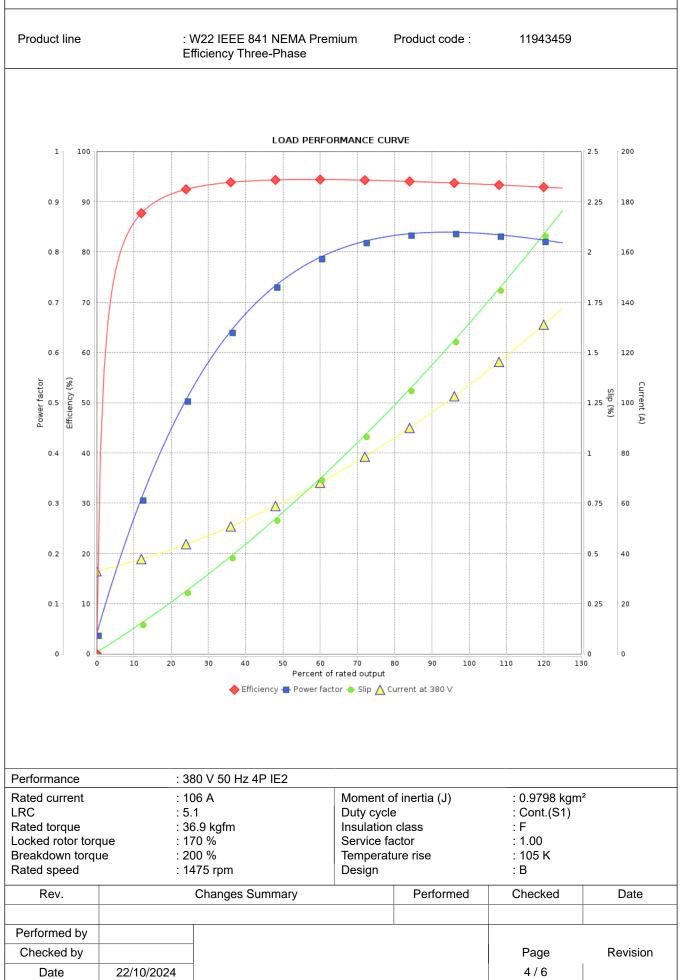
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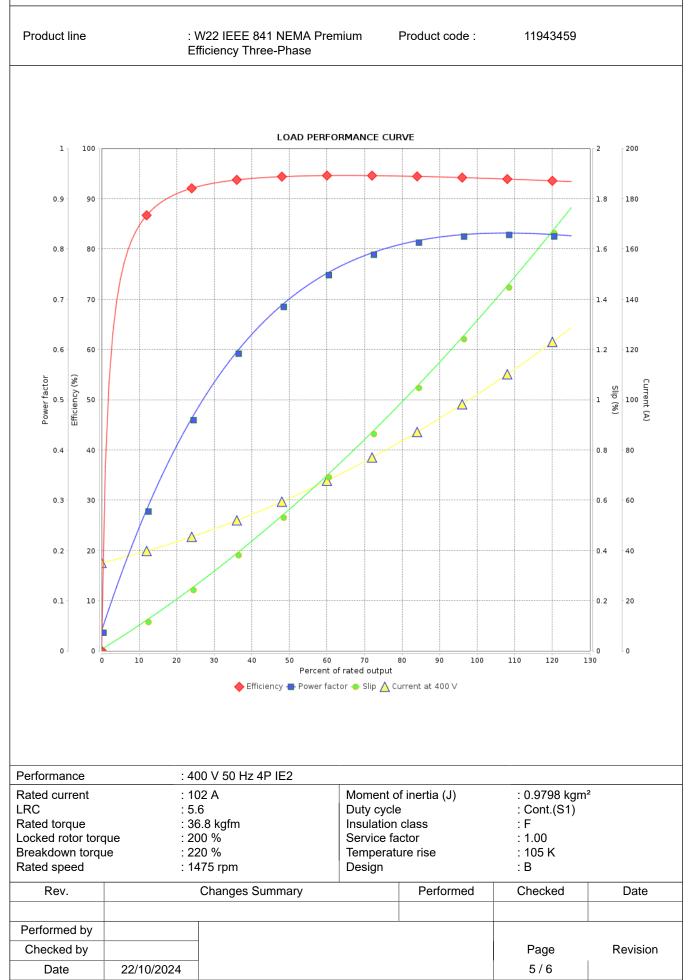


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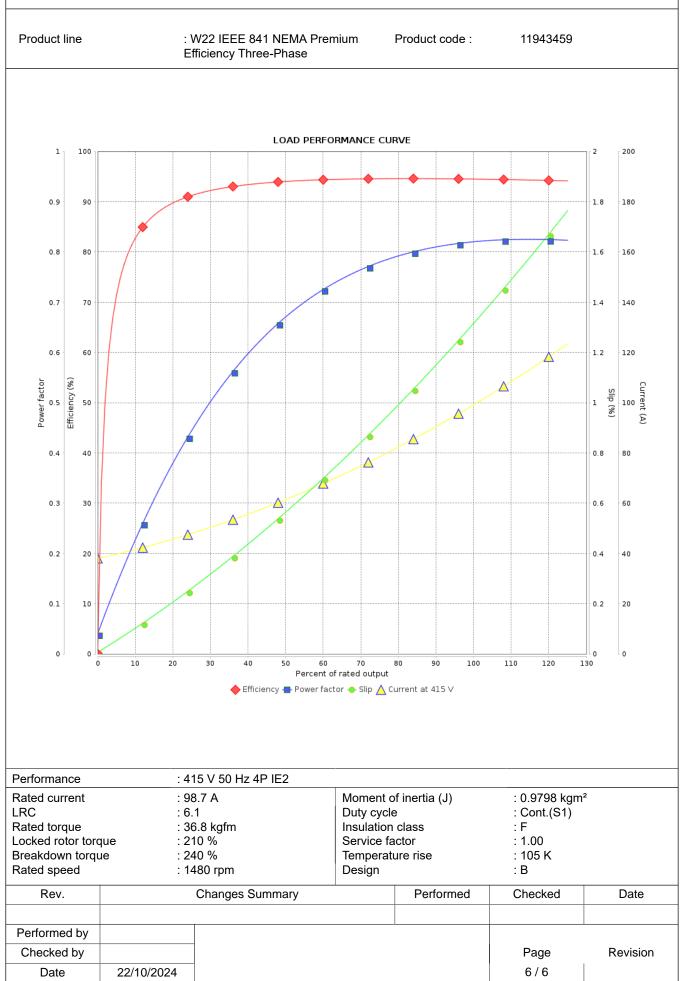
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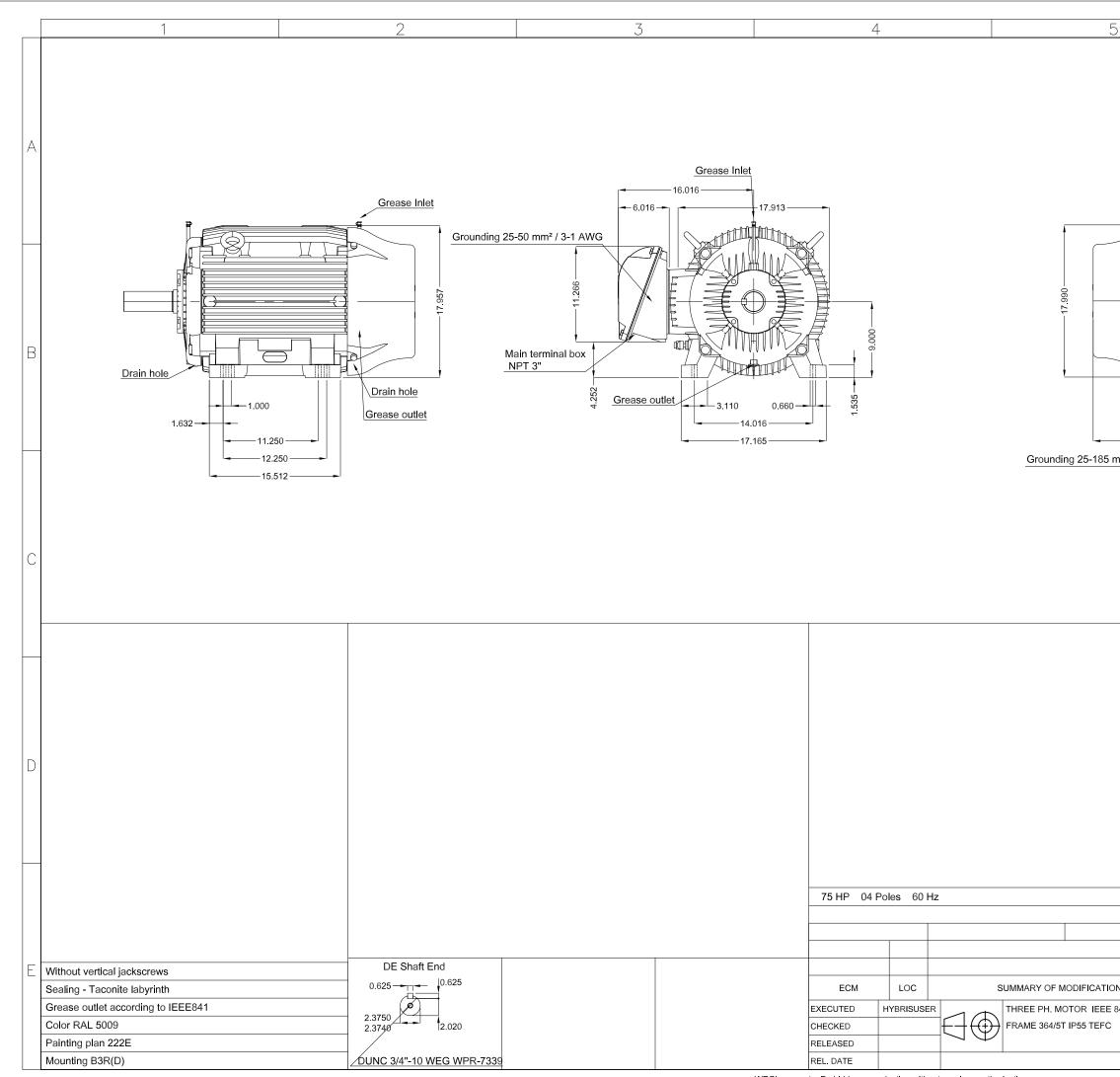
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nm² / 3AWG-350	4.134 34.420 DMCM	- 5.875	5	4.331	
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					Dimensions in inches
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