DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: W22 Three-		NEMA Premiu	ım Effici	ency Pro	duct code :	12373	794	
Frame Insulation class Duty cycle Ambient temperature		: 182/4TC : F : Cont.(S1) : -20°C to +40°C		Cooling method Mounting Rotation ¹ Starting method			: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line		
Altitude Protection degree Design		: 1000 m.a.s.l. : IP56 : B		Approx. weight ³ Moment of inertia (J)		: 46.9 kg : 0.0143 kgm²			
Output [HP]		3		3			3	3	
Poles		4		4			4	4	
Frequency [Hz]		60		50			50	50	
Rated voltage [V]		460		380			00	415	
Rated current [A]		3.91		4.78			.54	4.43	
L. R. Amperes [A]		31.7		30.1			2.2	33.7	
_RC [A]		8.1x(Code K)		6.3x(Code H)			Code J)	7.6x(Code K)	
No load current [A		2.00		2.00			.10	2.25	
Rated speed [RPN	/]	1760		1445			450	1455	
Slip [%]		2.22			3.67		.33	3.00	
Rated torque [kgfn		1.24			1.51		.50	1.50	
ocked rotor torqu		220			220		20	240	
Breakdown torque		330			250	2	90	320	
Service factor		1.25			1.25	1	.25	1.25	
Temperature rise		80 K			80 K	8	0 K	80 K	
ocked rotor time		41s (cold) 23s (hot)		32s (d	cold) 18s (hot)) 32s (cold) 18s (hot)	32s (cold) 18s (hot)	
Noise level ²		56.0 dB(A)			6.0 dB(A)		dB(A)	56.0 dB(A)	
	25%	8	36.4		87.2	8	7.3	87.3	
Efficiency (%)	50%	8	37.5		87.5	8	7.5	87.5	
	75%	8	38.5		87.5	8	7.5	87.5	
	100%	89.5			87.5	8	7.5	87.5	
Power Factor	25%	0.36			0.43	0	.39	0.36	
	50%	0.61			0.68	0	.64	0.61	
	75%	0.71			0.77		.75	0.73	
	100%	0.79			0.80	0	.80	0.79	
Losses at normat		nointo (on	ood:torquo) ii	n noroor	atago of rotod				
		9;1,0)	11.0	ii percer	13.4		13.4	13.4	
		5;1,0)	8.9		10.8		10.8	10.8	
			8.8		10.8		10.8	10.8	
Losses (%)		(0,25;1,0) (0,9;0,5)			7.4		7.4	7.4	
LUSSES (%)			<u>6.1</u> 4.0		4.9		4.9	4.9	
		P5 (0,5;0,5) P6 (0,5;0,25)			3.6		3.6	3.6	
					2.6		2.6	2.6	
	17 (0,2	- 1 - 1 - 1					2.0	2.0	
Deering twee		Drive		ive end	Foundation loads				
Bearing type		: 6207 C3 6206 C3			Max. traction : 77 kgf				
Sealing	. – I	: Inpro/Seal Inpro/Seal			Max. compression : 123 kgf			gr	
Lubrication interv	: 20000 h 20000 h								
Lubricant amoun	τ	: 7g 5g							
Lubricant type		. IV	lobil Polyrex E						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	d. otor from the m and with t veight subjec	shaft end	f +3dB(A).	nich				ests with sinusoidal s stipulated in NEMA	
Rev. Changes Summary						Performed Check		d Date	
Performed by					I			1	
							Page	Pavision	
Checked by Date	13/01/2024						Page 1/6	Revision	

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Notes

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024	-		2/6	

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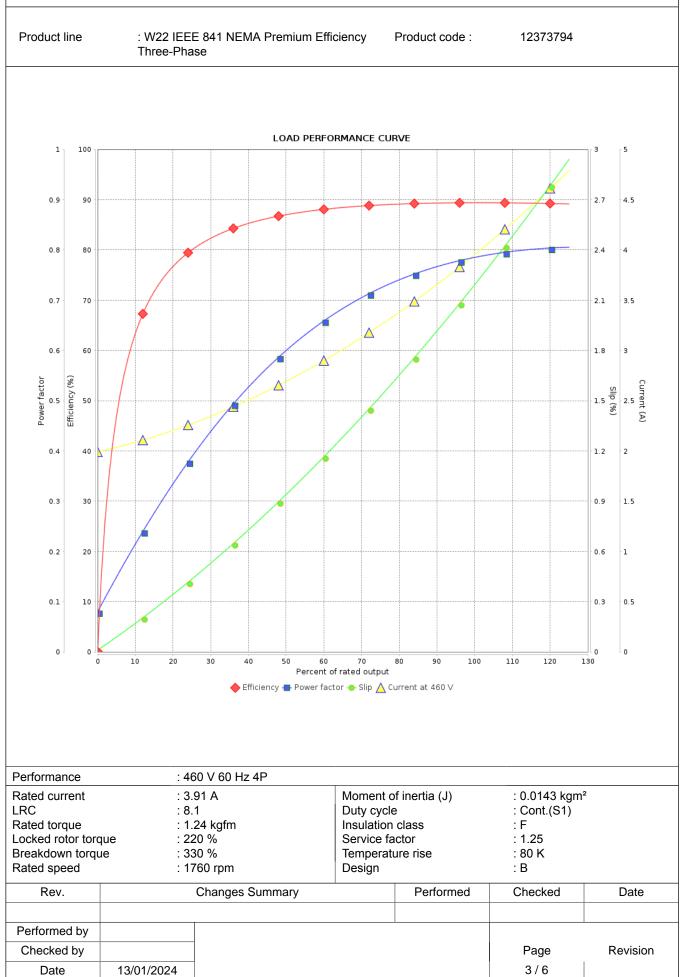


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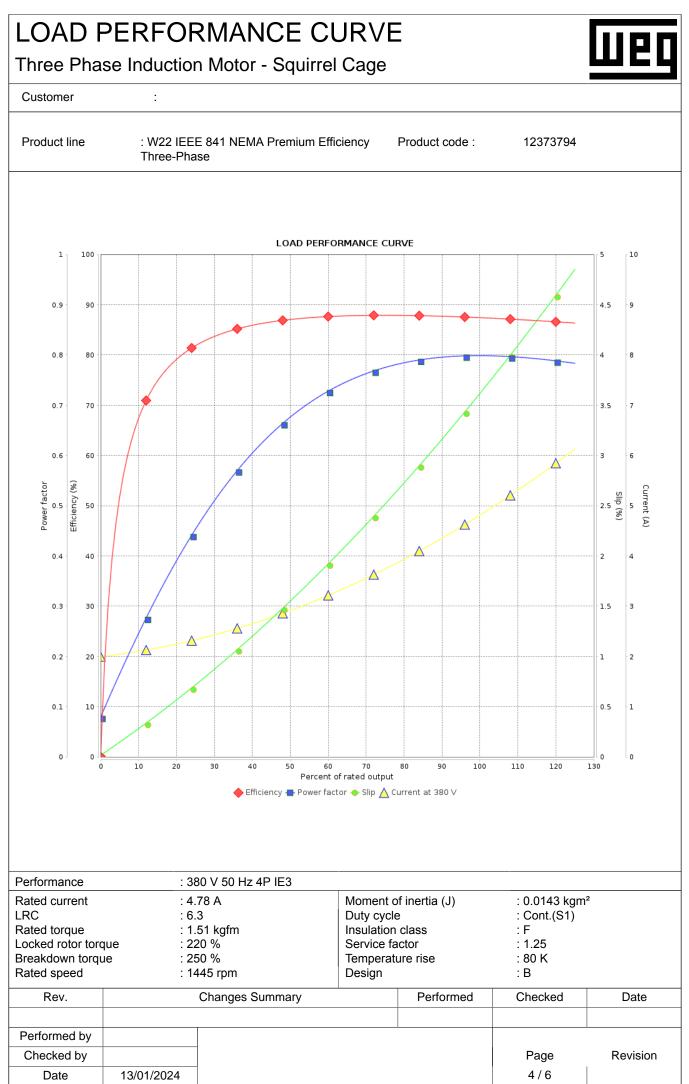
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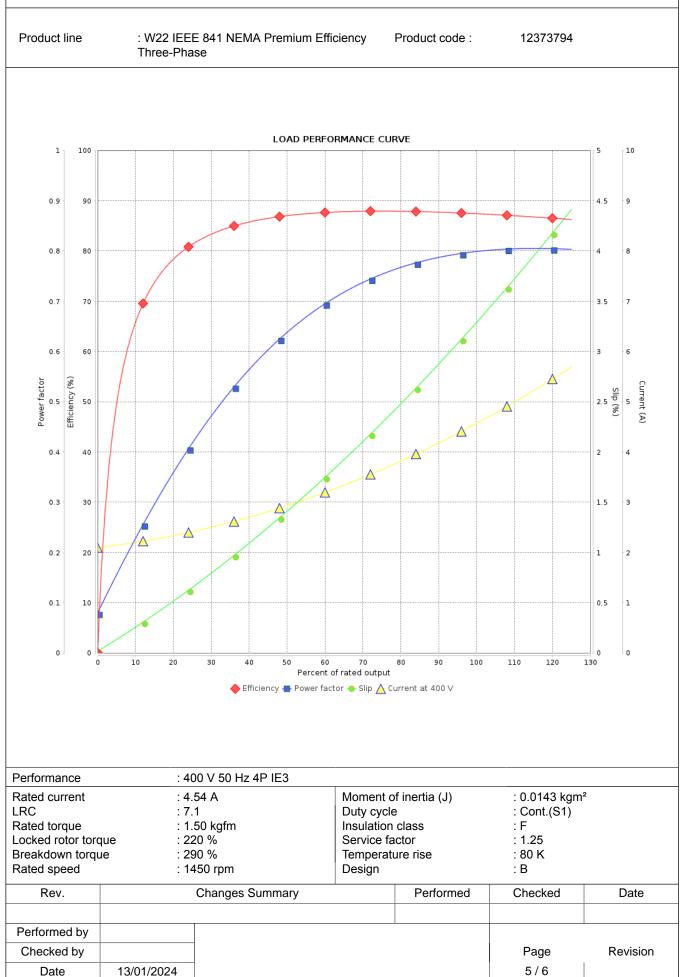
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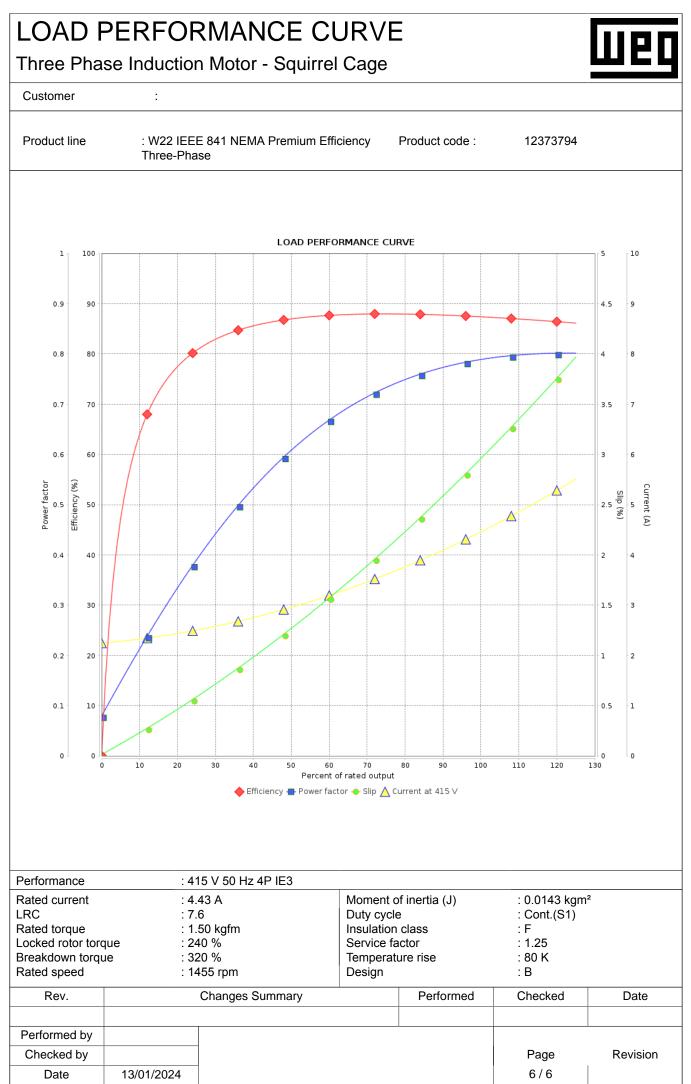
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