DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W22 Close Coupled Pump JM Product code : 12941830 NEMA Premium Efficiency Three- Phase									
Frame		: 254/6JM			Cooling method				: IC411 - TEFC		
Insulation class	: F			Mounting				: F-1			
Duty cycle		: Cont.(S1)			Rotation ¹				: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C			Starting method				: Direct On Line		
Altitude		: 1000 m.a.s.l.			Approx. weight ³				: 139 kg		
Protection degree		: IP55 : B			Moment of inertia (J))	: 0.1867 kgm ²		
		: В	10		10			10			10
Output [HP]		10		<u> </u>			10 6			6	
		6 60									50
Frequency [Hz]				50			50		415		
Rated voltage [V]		230/460		380			400				
Rated current [A]		26.6/13.3		15.4			14.8		14.4		
L. R. Amperes [A]		173/86.5		78.5			84.4			87.8	
_RC [A]		6.5x(Code H)		5.1x(Code F))	5.7x(Code G)		6.1x(Code H)		
No load current [A		12.0/6.00		6.40			6.80			7.20	
Rated speed [RPN	/]	1175		965			970		975		
Slip [%]		2.08		3.50			3.00		2.50		
Rated torque [kgfr	n]	6.17		7.50			7.48			7.44	
Locked rotor torqu		229		I	170			200		220	
Breakdown torque [%]			280	220				240			260
Service factor		1.25		1.00			1.15			1.15	
		1.25 80 K			100 105 K			105 K			80 K
Temperature rise				00 (00 (
Locked rotor time		46s (cold) 26s (hot)		39s (cold) 22s (ho		not)	39s (cold) 22s (hot)				cold) 22s (hot)
Noise level ²		59.0) dB(A)	5	7.0 dB(A)			57.0 dB(A)	5	57.0 dB(A)
Efficiency (%)	25%										
	50%	90.2			90.2		90.2			89.5	
Efficiency (70)	75%	ç	91.0	89.5			90.2			90.2	
Power Factor	100% 25%	91.0			89.1		89.5			89.5	
	50%	0.63		0.66			0.63		0.60		
	75%	0.03		0.79			0.00		0.75		
	100%	0.74					0.82				
	100%	(0.78		0.83			0.82			0.81
Losses at normat	ive operating	points (sp	eed;torque), i	n percei	ntage of ra	ted ou	itput p	ower			
		9;1,0)	9.8		9.8		9.8		9.8	9.8	
		P2 (0,5;1,0)			8.4		8		8.4		8.4
	P3 (0,2		8.4 7.8		7.8		7.8			_	7.8
$l_{0} = c_{0} c_{0} (%)$			5.0		5.0		5.0		-		
Losses (%)		P4 (0,9;0,5) P5 (0,5;0,5)			3.6		3.6			5.0	
			3.6							3.6	
		5;0,25)		2.5		2.5		2.5		2.5	
	P7 (0,2	5;0,25)	1.8			1.8		1.8			1.8
		Drive e		<u>ive end</u>	Foundati	on loa	ds				
Bearing type	: 6309		09 C3	9 C3 Max. traction				: 235 kgf			
Sealing		: V'R		Ring	max. adoaon				: 374 k		
Lubrication interval		: 2000		000 h						J.	
Lubricant amount				9 g							
Lubricant type	L L		9 lobil Polyrex E								
Lubricant type		. IVI		_1VI							
This revision repla must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the	shaft end.		nich							n sinusoidal ated in NEMA
Rev.			ges Summary			Pe	rforme	ed	Checke	d	Date
			, se caninary			10				-	24.0
Performed by										I	
Checked by									Page		Revision
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Date	23/10/2024	1							1/6		

Subject to change without notice

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Notes

USABLE @208V 28.5A SF 1.15 SFA 32.8A

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	23/10/2024			2/6	

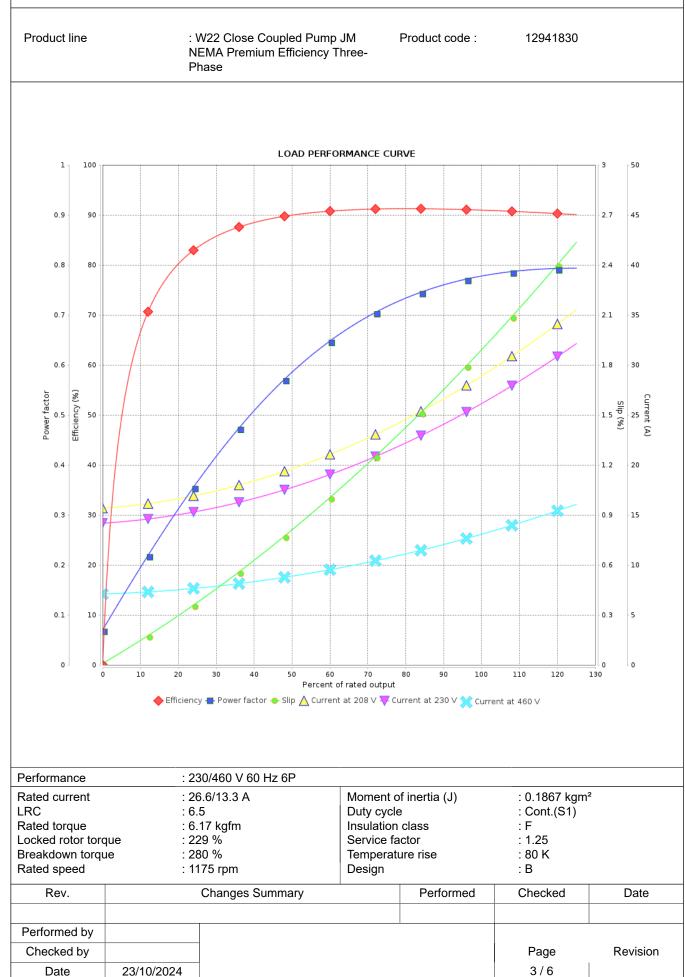
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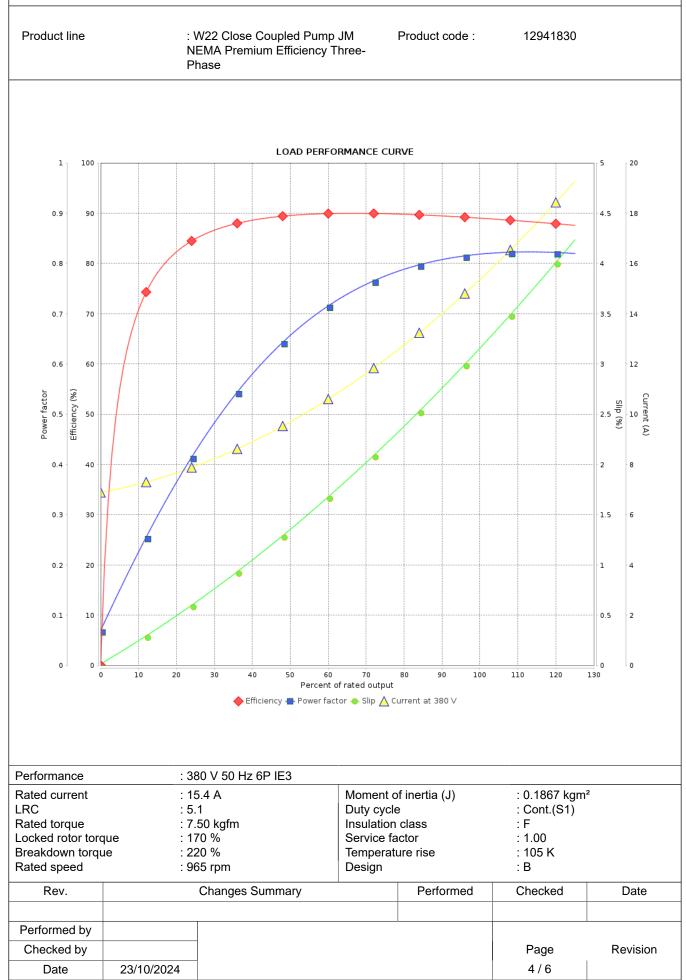
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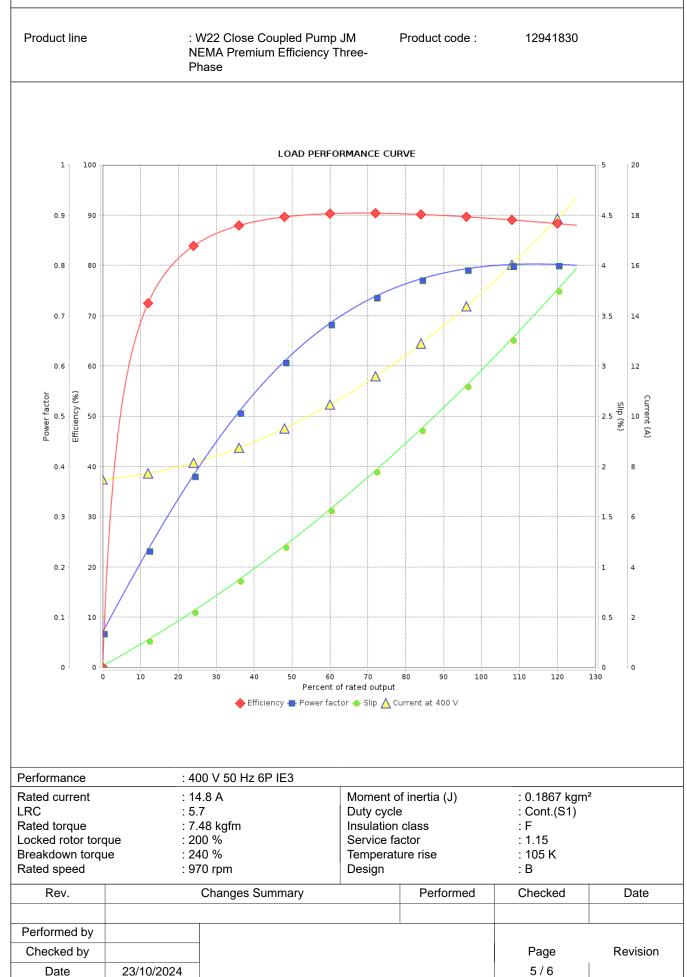


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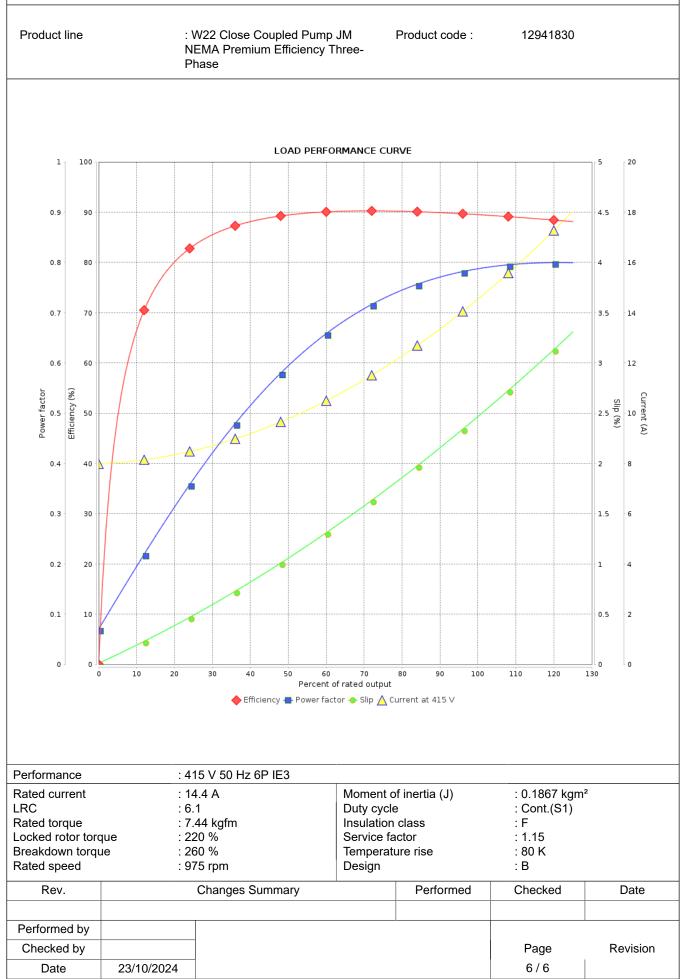
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