DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line			pled Pump JN cy Three-Pha		ι F	Product	t code :	12775	267	
Frame Insulation class Duty cycle		: 182/4JM : F : Cont.(S1)		Cooling method Mounting Rotation ¹			: IC411 - TEFC : F-1 : Both (CW and CCW)			
Ambient temperature Altitude Protection degree		: -20°C to +40°C : 1000 m.a.s.l. : IP55		Starting method Approx. weight ³ Moment of inertia (J)			: Direct On Line : 42.6 kg : 0.0206 kgm²			
Design	-	: B								
Dutput [HP]		1.5		1.5			1.5		1.5	
Poles		6 60		6 50			6 50		6 50	
Frequency [Hz] Rated voltage [V]		230/460		380			400		415	
Rated current [A]		5.08/2.54		2.68			2.62		2.64	
L. R. Amperes [A]		39.6/19.8		16.9			18.1		19.5	
LRC [A]		7.8x(Code M)		6.3x(Code J)			6.9x(Code K)		7.4x(Code L)	
No load current [A	.]	3.25/1.63		1.60			1.71		1.80	
Rated speed [RPN		1170		955			960		965	
Slip [%]		2.50			4.50		4.0			3.50
Rated torque [kgfm]		0.930		1.14			1.13		1.13	
ocked rotor torqu		320		250			300		330	
Breakdown torque [%]		400		290			330		370	
Service factor		1.25			1.00		1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
Locked rotor time		28s (cold) 16s (hot)			25s (cold) 14s (hot)		25s (cold)			old) 14s (hot)
Noise level ²) dB(A)	4	9.0 dB(A)		49.0 d		49	9.0 dB(A)
	25%		32.8		86.0		84.1			82.8
Efficiency (%)	50%	84.0		85.5			84.5			84.0
	75%		36.5		86.5		86.5			85.5
	100%	87.5			85.5		86.5			86.5
Power Factor	25%	0.25			0.29		0.2			0.25
	50%	0.45		0.52			0.48			0.45
	75% 100%		0.54 0.62		0.63 0.73		0.60 0.70			0.57
								0		0.67
Losses at normat				n percer	-		put power			
		P1 (0,9;1,0)		13.4		3.4	13.4		13.4	
	P2 (0,	5;1,0)	10.3		10.3		10.3		10.3	
	P3 (0,2		9.3		9.3		9.3		9.3	
Losses (%)	P4 (0,		8.8		8.8		8.8		8.8	
		5;0,5)	5.8		5.8		5.8		5.8	
	P6 (0,		4.8			.8	4.8		4.8	
	P7 (0,2	,25;0,25) 3.5			3.5		3.5 3.5			3.5
		Drive (ive end				: 66 kgf		
Bearing type		: 6307		06 ZZ						
Sealing		: V'Ring V'Ring			Max. compression			: 108 kgf		
Lubrication interv		: -		-						
Lubricant amoun	it	: -		-						
Lubricant type		: M	obil Polyrex E	M						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with to veight subjec	shaft end. plerance o	f +3dB(A).	nich				based on tea tolerances		sinusoidal ed in NEMA
Rev. Changes Summary					Performed		Checked		Date	
Performed by										
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Notes USABLE @208V 5.62A SF 1.15 SFA 6.46A

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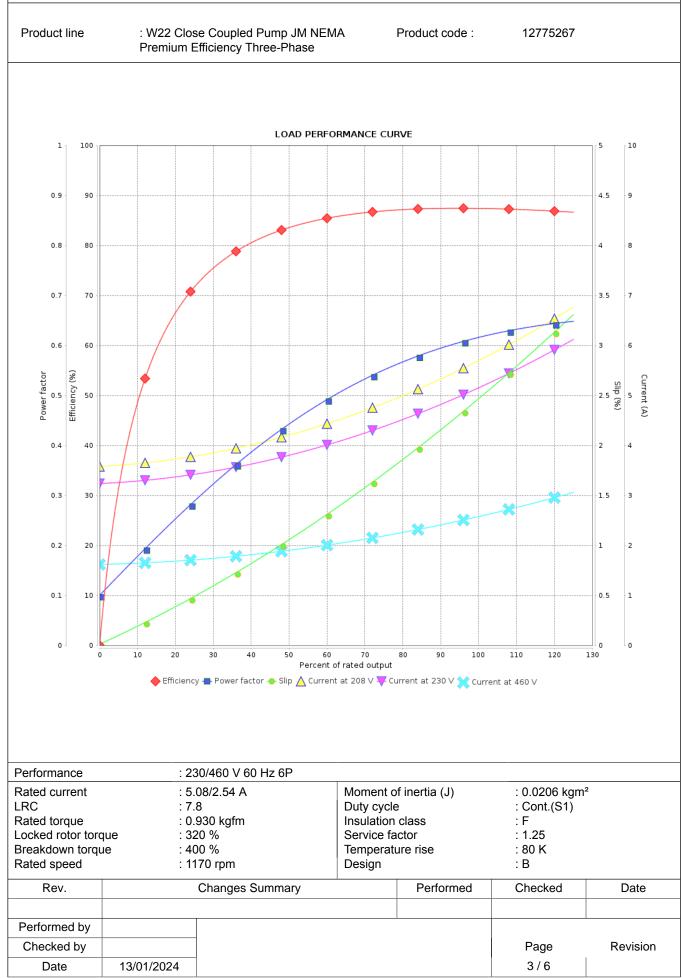
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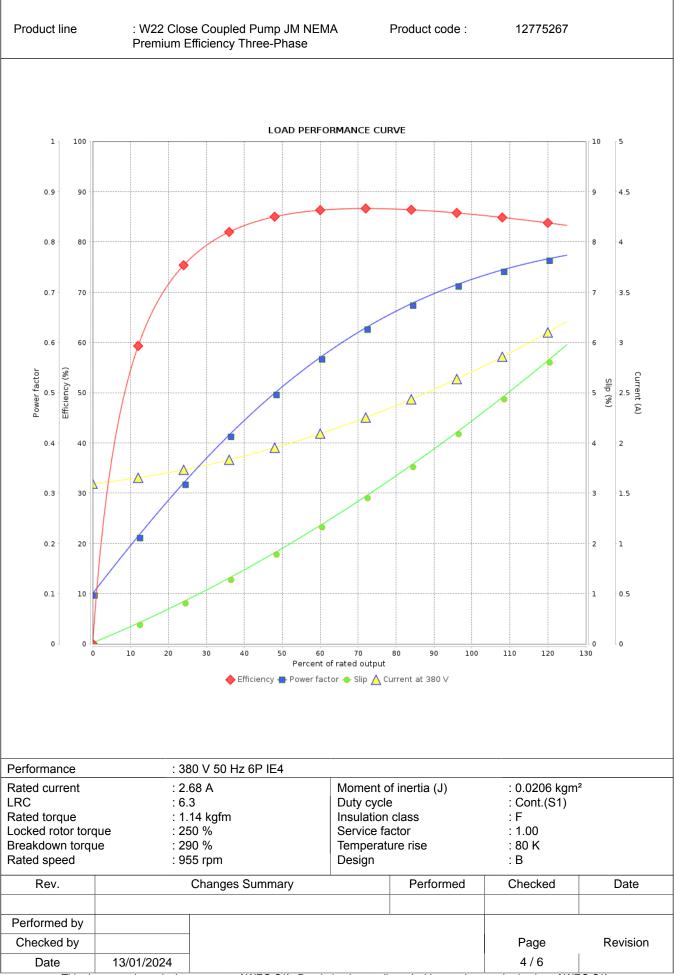
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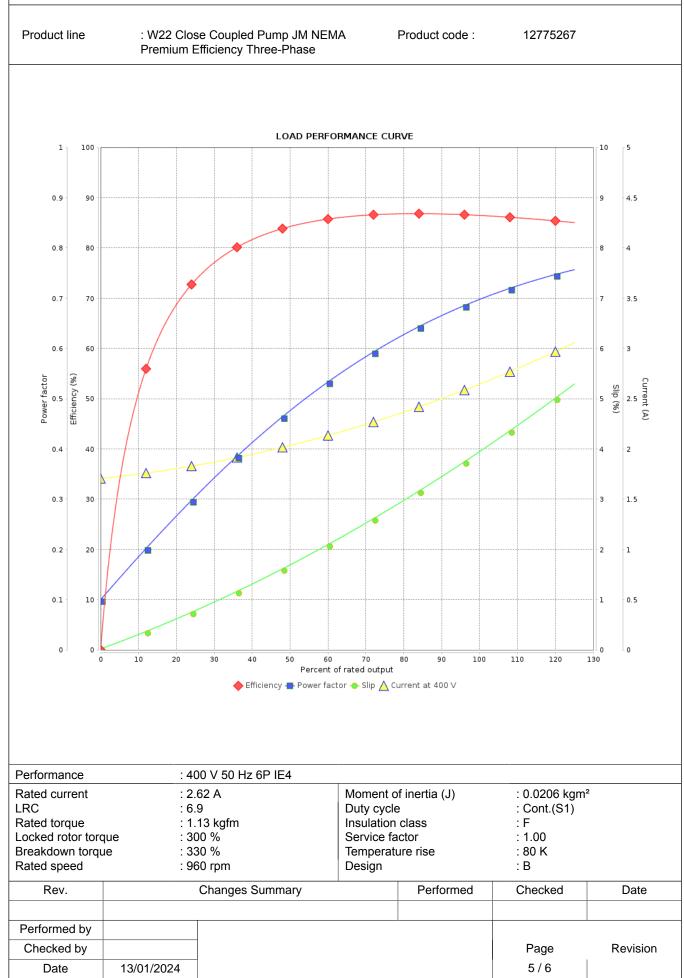


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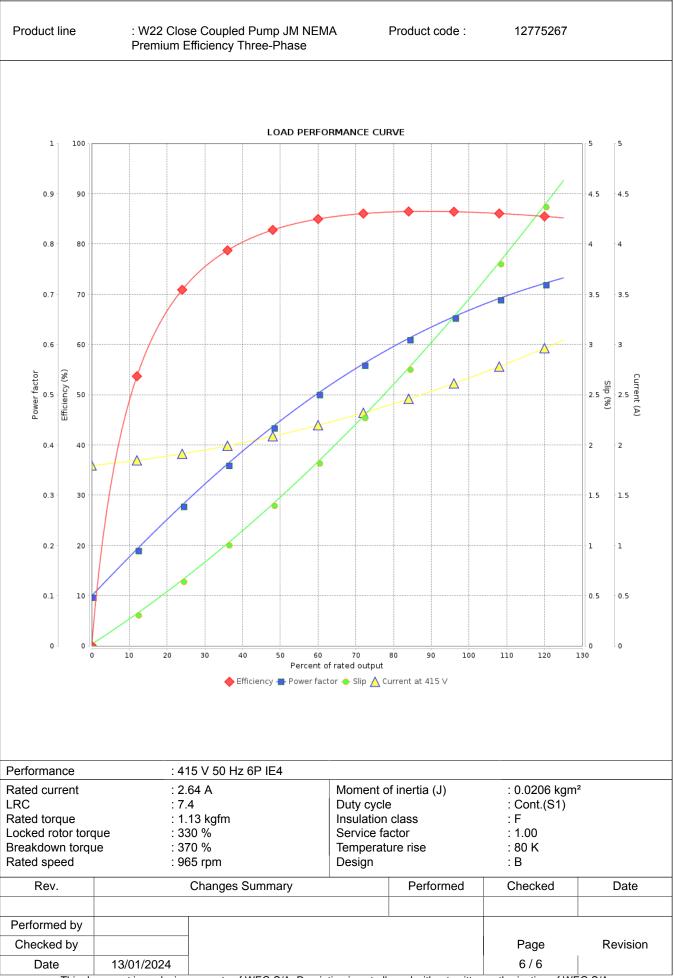
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