DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

		ncy Three-Pha							
Frame		: 256JM			Cooling method		: IC01 - ODP		
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		: 108 kg		
Protection degree		: IP23		Momer	Moment of inertia (J)		: 0.0456 kgm²		
Design		: B							
Output [HP]		25	20	20	20	25	25	25	
Poles		2	2	2	2	2	2	2	
Frequency [Hz]		60	50	50	50	50	50	50	
Rated voltage [V]		230/460	380	400	415	380	400	415	
Rated current [A]		59.6/29.8	28.5	28.0	27.7	35.7	34.2	33.3	
L. R. Amperes [A]		387/194	188 0.0u/Oada	202	216	189 5 2:::(Oada E)	202	216	
LRC [A]		6.5x(Code G)	6.6x(Code G)	7.2x(Code H)	7.8x(Code J)	5.3x(Code E)	5.9x(Code F)	6.5x(Code G)	
No load current [A]		22.0/11.0	9.90	11.3	12.6	9.90	11.3	12.6	
Rated speed [RPM]		3530	2925	2935	2940	2905	2915	2925	
Slip [%]		1.94	2.50	2.17	2.00	3.17	2.83	2.50	
Rated torque [kgfm]		5.14	4.96	4.95	4.94	6.25	6.22	6.20	
Locked rotor torque [%]		200	200	229	250	160	180	200	
Breakdown torque [%]		260	300	340	380	240	270	300	
Service factor		1.15	1.15	1.15	1.15	1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K	
Locked rotor time		16s (cold)	14s (cold)	12s (cold)	12s (cold)	14s (cold)	12s (cold)	12s (cold)	
		9s (hot)	8s (hot)	7s (hot)	7s (hot)	8s (hot)	7s (hot)	7s (hot)	
Noise level ²		67.0 dB(A)		- (- ()			- ()	
Efficiency (%)	25%								
	50%	91.0	87.4	86.8	87.5	88.5	88.5	89.5	
	75%	91.7	89.1	89.0	89.9	89.5	89.5	90.2	
	100%	91.7	91.9	91.9	91.9	89.5	90.9	91.0	
	25%		52	5	55	20.0		0.10	
Power Factor	50%	0.73	0.72	0.68	0.63	0.78	0.74	0.70	
	75%	0.82	0.82	0.79	0.75	0.86	0.83	0.80	
	100%	0.85	0.87	0.84	0.82	0.88	0.86	0.85	
					tion loads				
Bearing type Sealing		: 7 C3							
			Max. c			. traction : 238 kgf			
		: Without		Max. compression : 347 kgf					
Lubrication inter	vol	Bearing Se	eal Bearing	Seal					
Lubrication interv			-						
Lubricant type		 . Mahi	- Polyroy EM						
Lubricant type		. IVIODI	Polyrex EM						
Notes USABLE @208V	65.9A SF 1.	.15 SFA 75.8A							
		ncel the previo	us one, which				n tests with sin nces stipulated		
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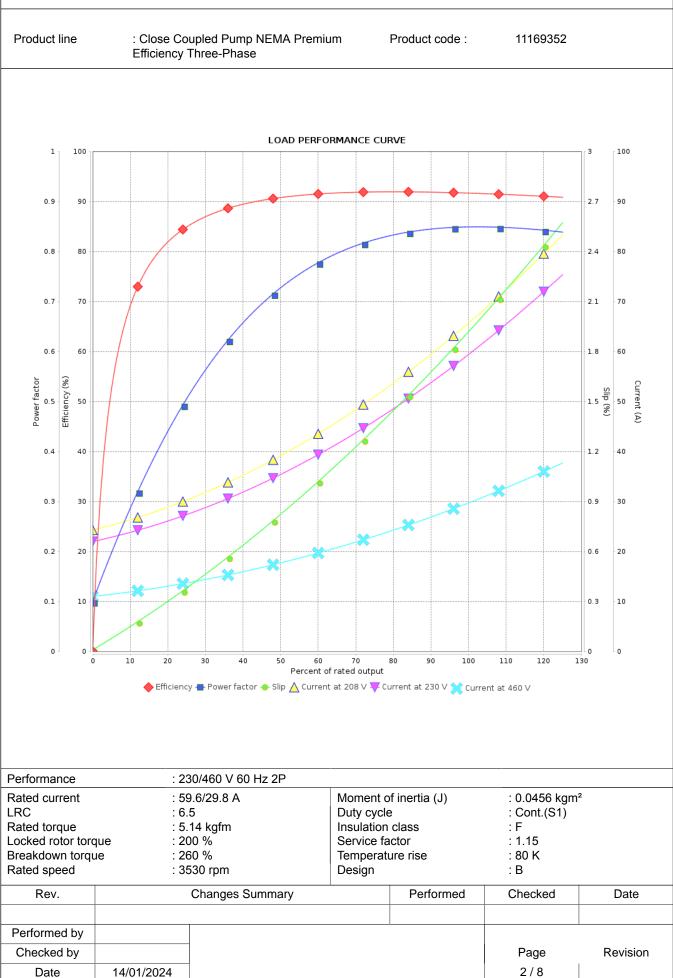
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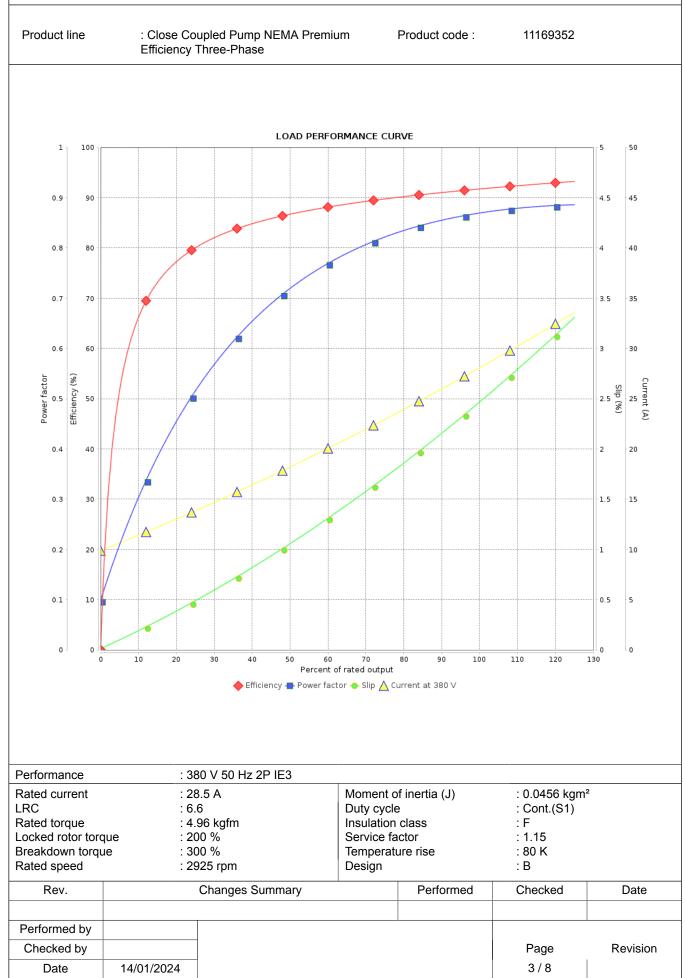


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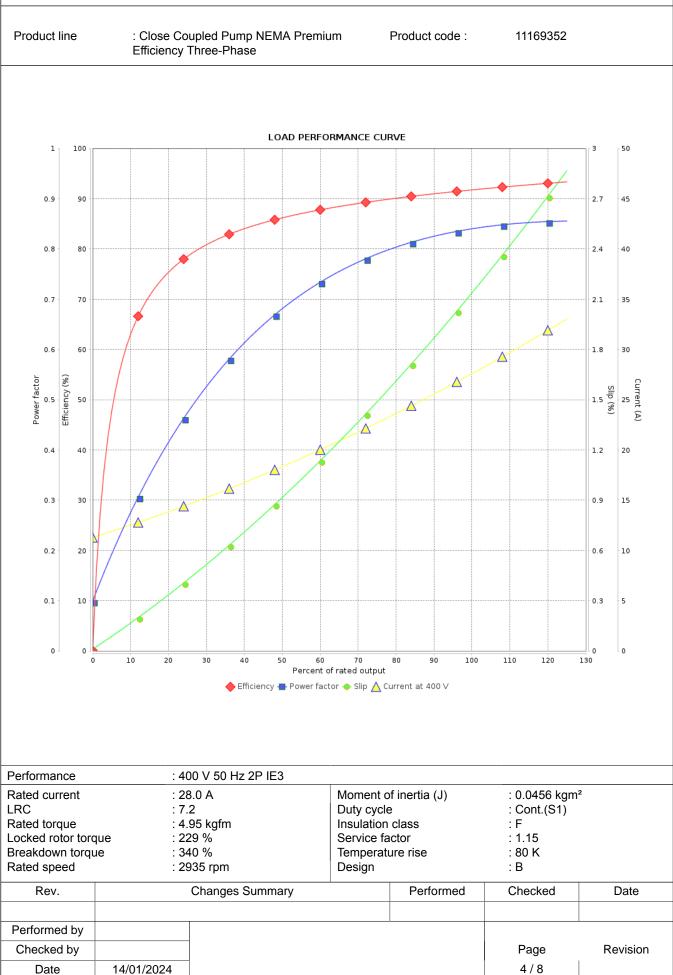
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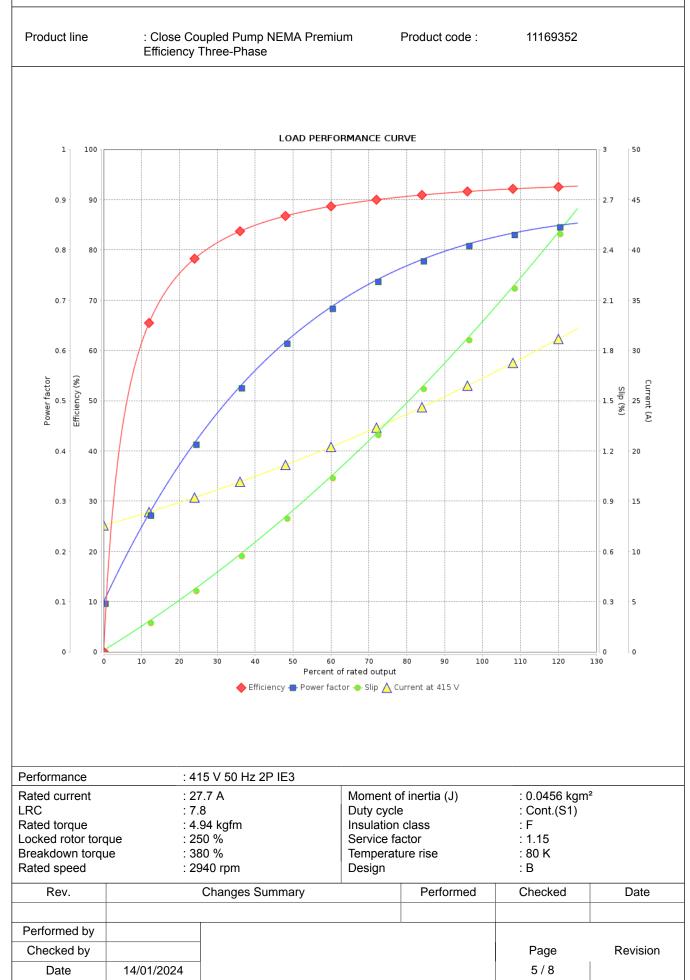


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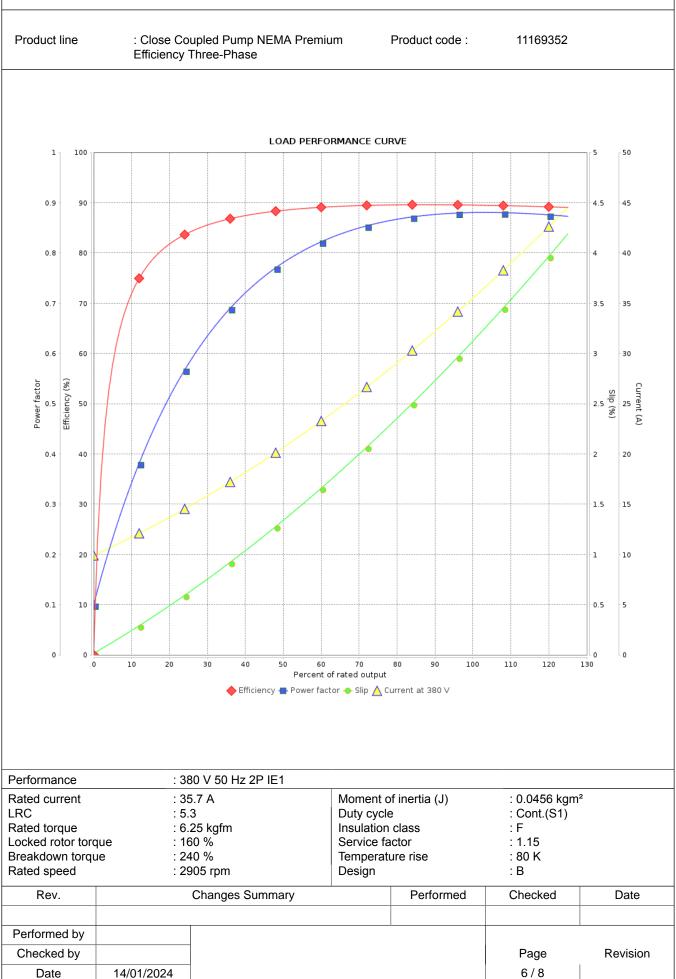
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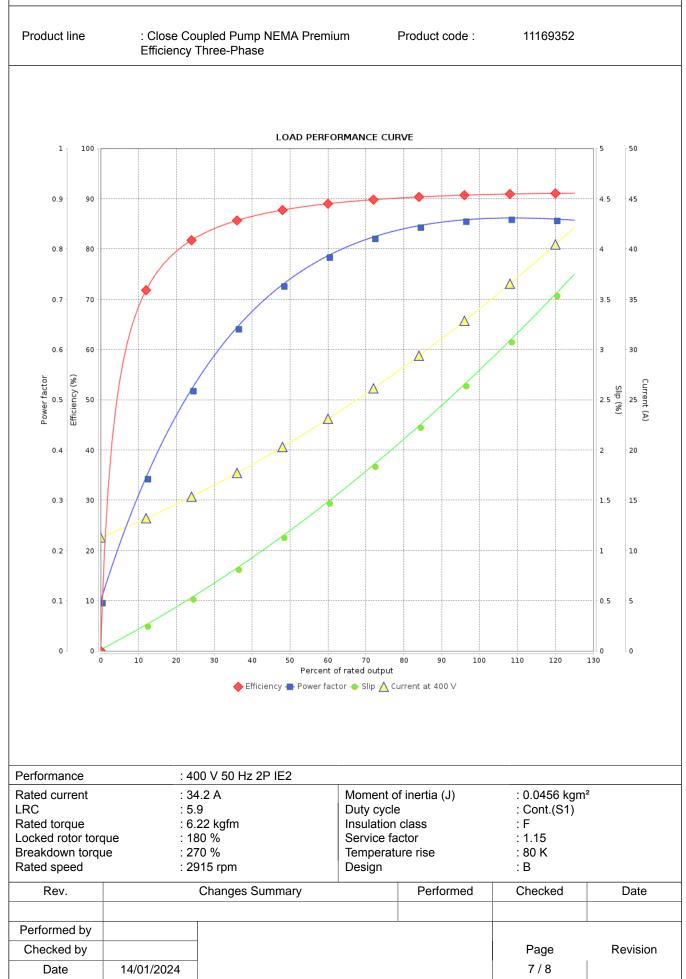


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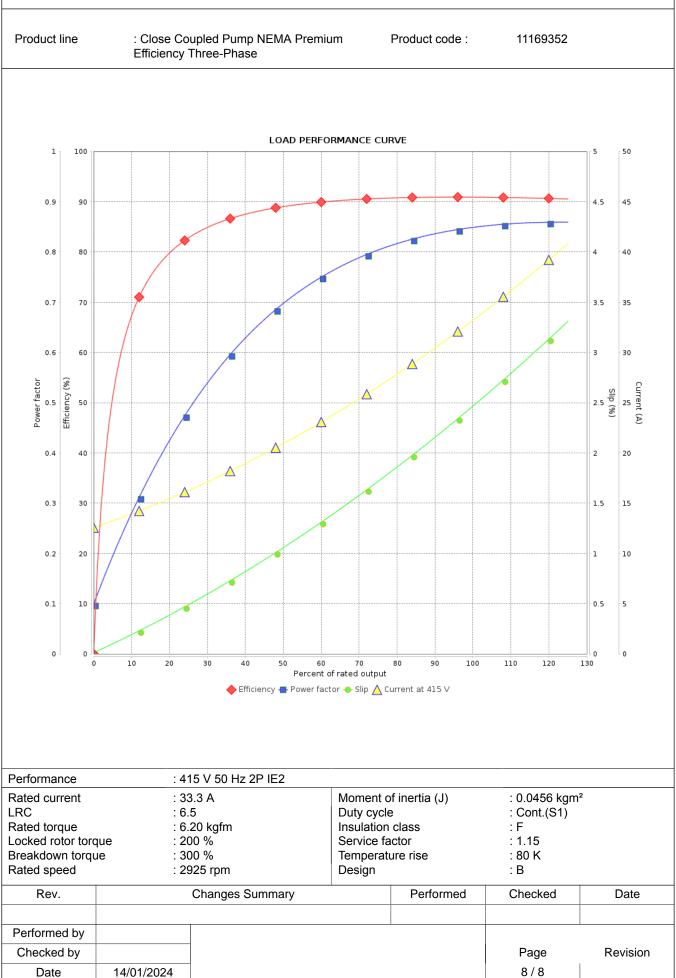
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