DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

		e Coupled Pur ency Three-Pha			Product code		168181		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 182JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 29.5 kg : 0.0054 kgm²			
Output [HP]		5	4	4	4	5	5	5	
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]		12.3/6.17	6.16	5.99	5.98	7.47	7.26	7.08	
L. R. Amperes [A]		86.4/43.2	40.0	42.5	45.4	40.3	42.8	45.3	
LRC [A]			6.5x(Code H)				Ġ)	6.4x(Code H	
No load current [A]		4.80/2.40	2.10	2.80	3.50	2.10	2.80	3.50	
Rated speed [RPM]		3490	2890	2905	2915	2855	2875	2890	
Slip [%]		3.06	3.67	3.17	2.83	4.83	4.17	3.67	
Rated torque [kgfm]		1.04	1.00	0.999	0.996	1.27	1.26	1.26	
Locked rotor torque [%]		200	190	210	229	150	170	180	
Breakdown torque [%]		280	290	330	370	229	260	290	
Service factor		1.15	1.15	1.15	1.15	1.00	1.00	1.15	
Temperature rise		105 K	105 K	105 K	105 K	105 K	105 K	105 K	
Locked rotor time		28s (cold) 16s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	
loise level ²		64.0 dB(A)		. ,	. ,				
Efficiency (%)	25%								
	50%	87.5	83.0	82.6	81.7	84.0	84.0	84.0	
	75%	88.5	84.8	84.8	84.8	85.5	85.5	85.5	
	100%	88.5	87.1	87.1	87.2	85.5	85.5	86.5	
Power Factor	25%								
	50%	0.68	0.69	0.64	0.58	0.75	0.71	0.66	
	75%	0.80	0.79	0.76	0.72	0.84	0.81	0.78	
	100%	0.85	0.85	0.83	0.80	0.88	0.86	0.84	
		Drive end	Non drive	end Founda	tion loads				
Bearing type Sealing		: 6207 ZZ		i	Max. traction : 61 kgf				
		: Without	t Witho		Max. compression : 91 kgf				
		Bearing S							
Lubrication interv	val	: -	-						
Lubricant amour	nt	: -	-						
Lubricant type		: Mobi	I Polyrex EM						
Notes USABLE @208V	′ 13.6A SF 1	.15 SFA 15.7A							
This revision repl must be eliminate (1) Looking the m (2) Measured at ((3) Approximate	ed. notor from the 1m and with	e shaft end. tolerance of +3	3dB(A).			alues based o t to the tolerar			
(4) At 100% of ful	ocess.								
Rev.	ev. Changes Summary				Performe	ormed Checked		Date	
Performed by									
Performed by								Devision	
Performed by Checked by						Pa	age	Revision	

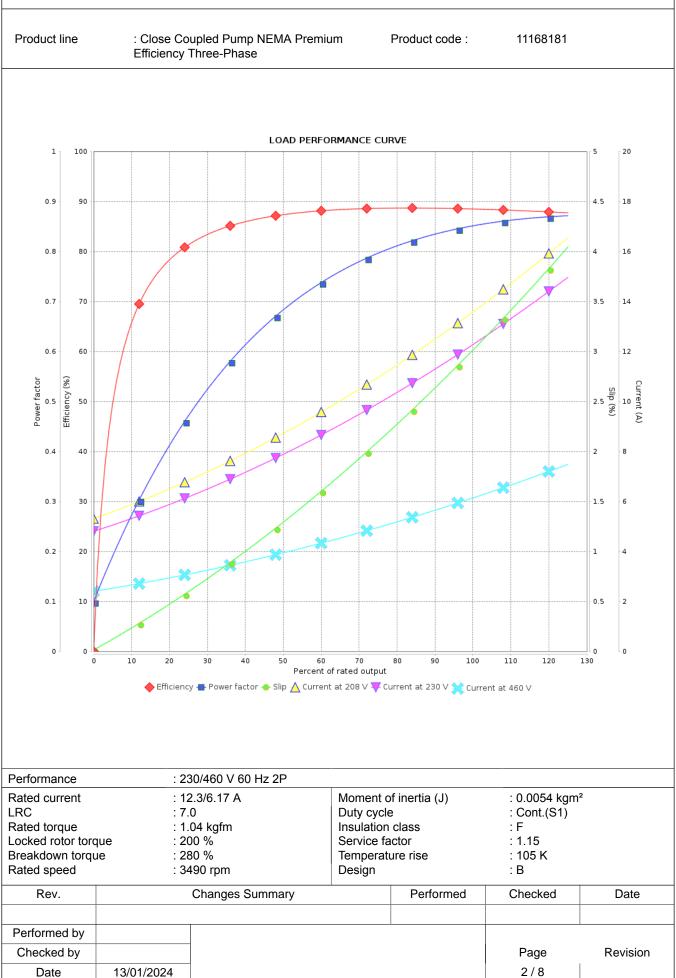
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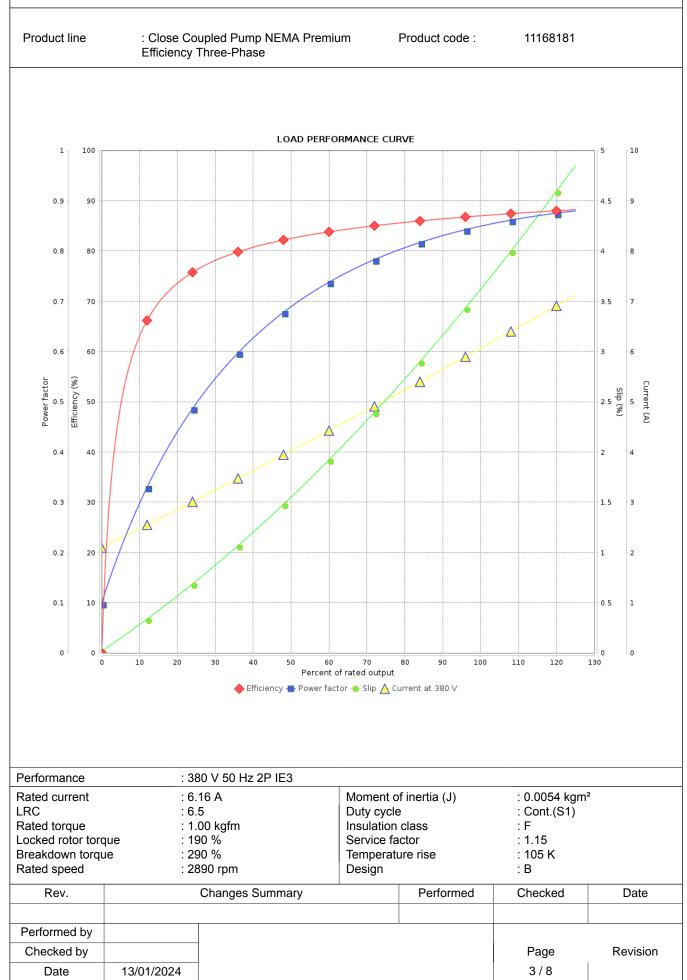


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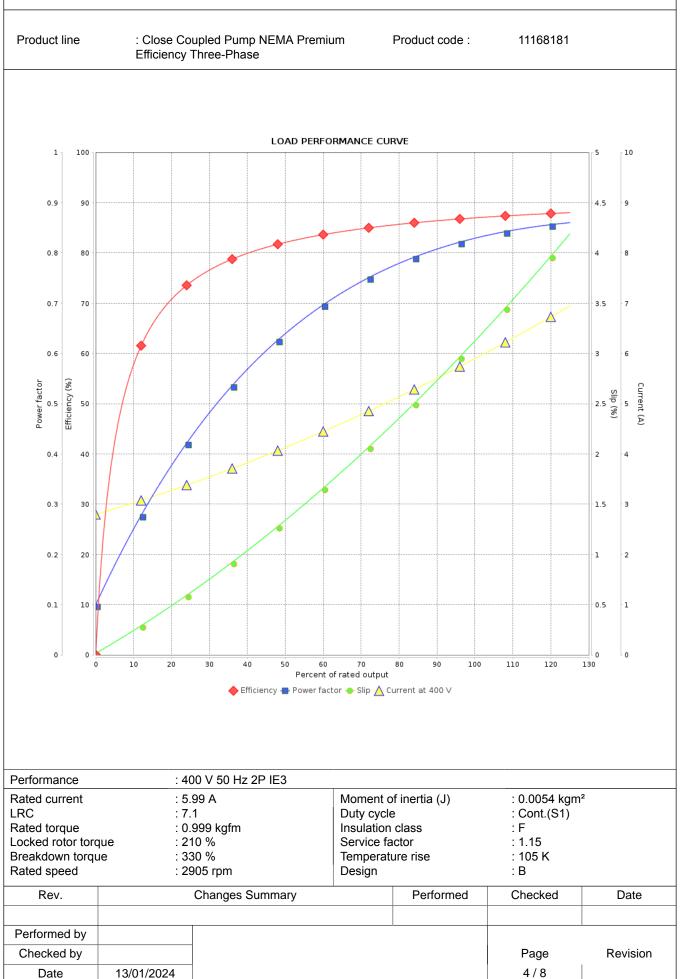
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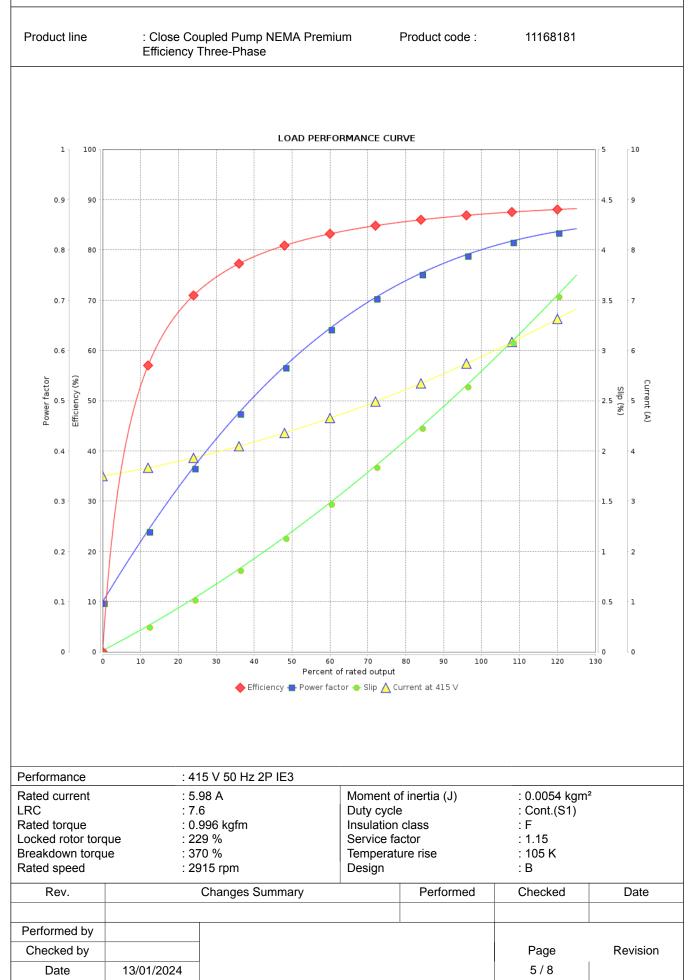


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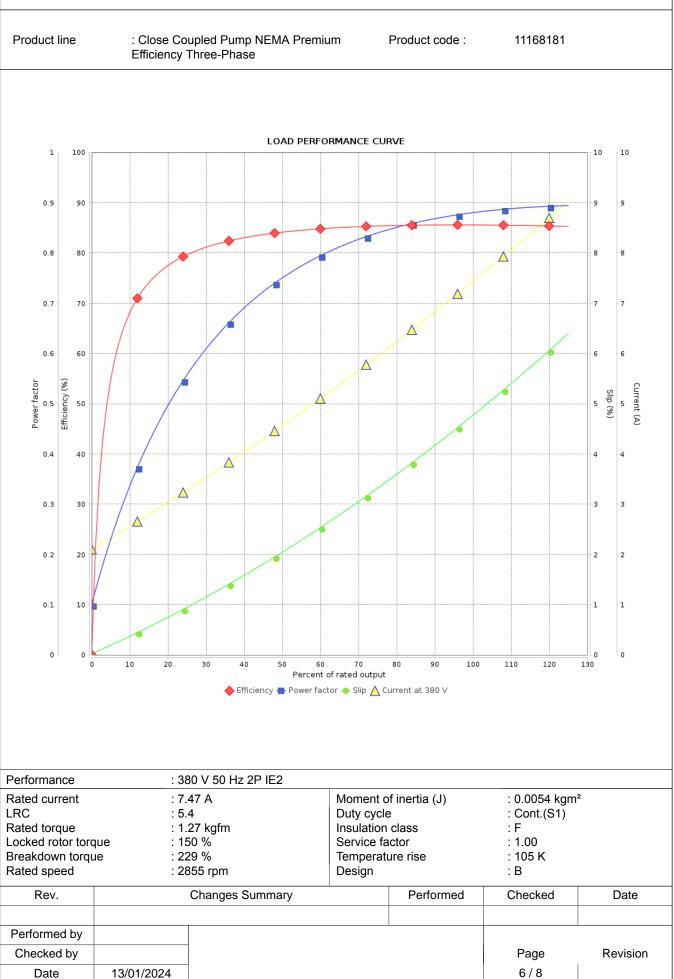
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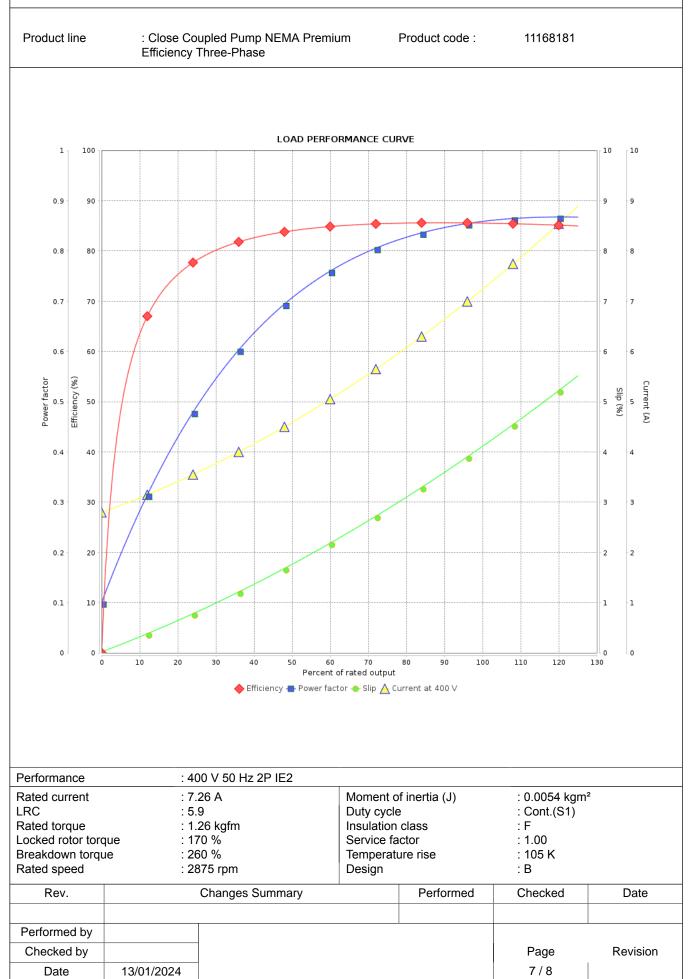


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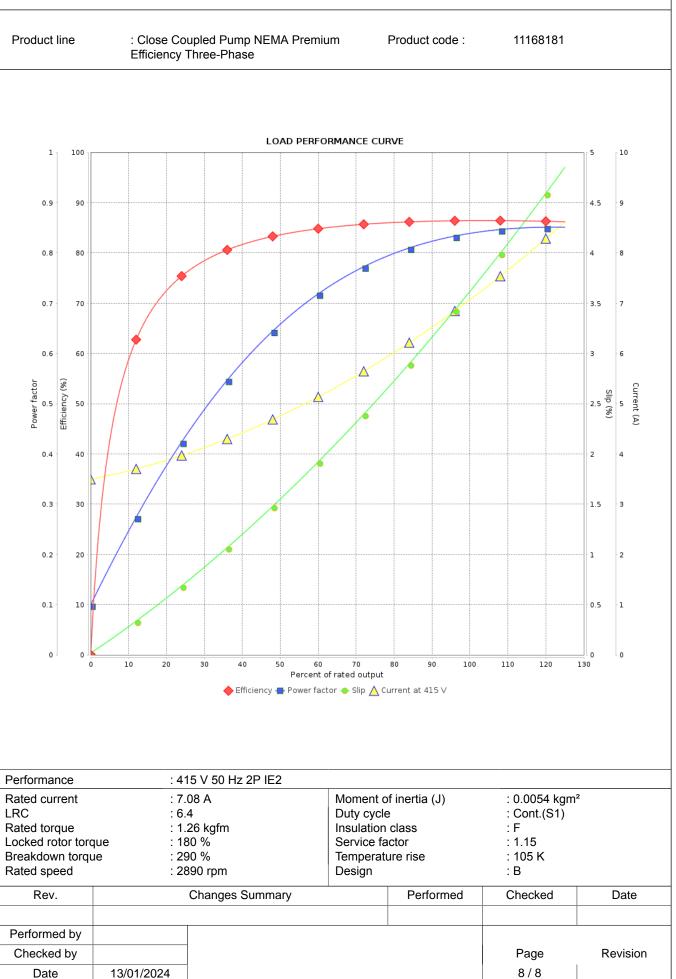
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