DATA SHEET

Three Phase Induction Motor - Squirrel Cage

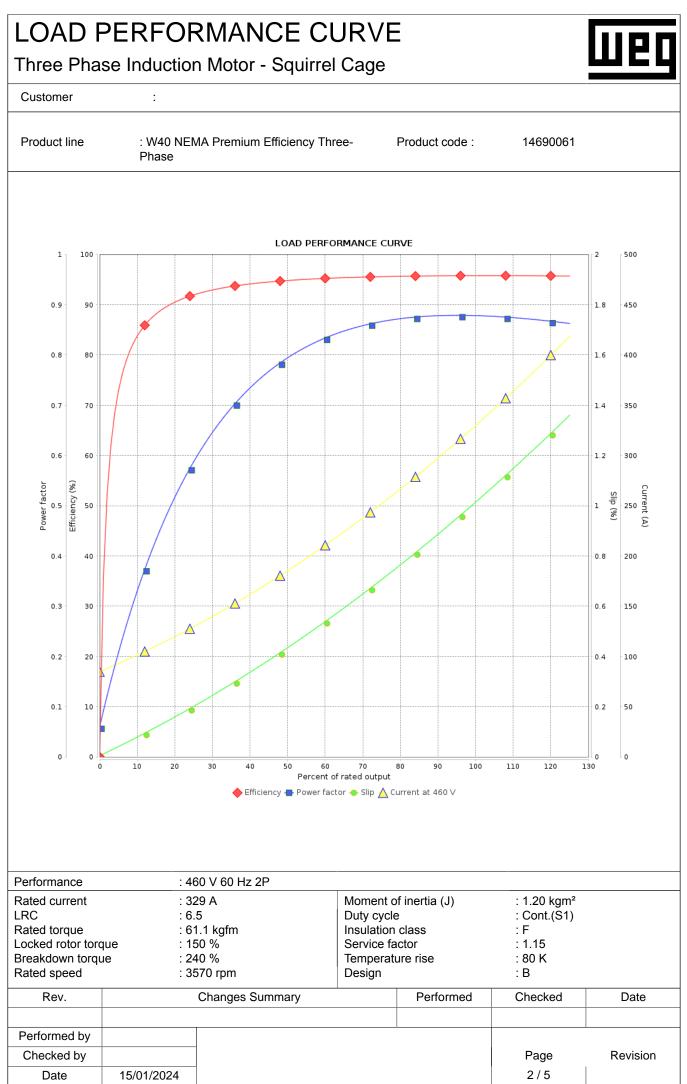
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Customer

Frame			One line and the	had 100	1 000	
Frame		: 444/5TS	Cooling method		1 - ODP	
Insulation class		: F	Mounting	: F-1		
Duty cycle		: Cont.(S1) Rotation ¹		: Both (CW and CCW)		
Ambient temperature				method : Direct On Line		
Altitude		: 1000 m.a.s.l.	Approx. weig			
Protection degree		: IP23 Moment of		inertia (J) : 1.20 kgm ²		
Design		: B				
Output [HP]		300	250	250	250	
Poles		2	2	2	2	
Frequency [Hz]		60	50	50	50	
Rated voltage [V]		460	380	400	415	
Rated current [A]		329	333	320	312	
. R. Amperes [A]		2139	2131	2272	2309	
LRC [A]		6.5x(Code G)	6.4x(Code G)	7.1x(Code H)	7.4x(Code H)	
No load current [A]		85.0	83.0	94.0	105	
Rated speed [RPM]		3570	2965	2970	2975	
Slip [%]		0.83	1.17	1.00	0.83	
Rated torque [kgfm]		61.1	61.2	61.1	61.1	
Locked rotor torque [%]		150	140	170	180	
Breakdown torque [%]						
		240	229	240	270	
Service factor		1.15	1.00	1.00	1.00	
Temperature rise		80 K	80 K	80 K	80 K	
Locked rotor time		21s (cold) 12s (hot)	16s (cold) 9s (hot)	14s (cold) 8s (hot)	14s (cold) 8s (hot)	
oise level ²		85.0 dB(A)				
	25%					
Efficiency (%)	50%	95.0	93.9	93.9	93.8	
	75%	95.4	94.4	94.4	94.5	
	100%	95.4	95.8	95.8	95.8	
	25%					
Power Factor	50%	0.80	0.81	0.77	0.75	
	75%	0.86	0.87	0.85	0.83	
	100%	0.88	0.88	0.87	0.86	
			rive end Foundation lo	bads		
Bearing type		: 6314 C3 621	2 Z C3 Max. traction	C3 Max. traction : 1112 kgf		
Sealing		: Without Wi	Without Max. compression : 1768 kgf			
		Bearing Seal Beari	ing Seal			
Lubrication interv	/al	: 14418 h 20	000 h			
Lubricant amoun	t	: 27 g 1	13 g			
Lubricant type		Mobil Polyrex EM				
Notes						
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t	olerance of +3dB(A).		erage values based on t subject to the tolerance		
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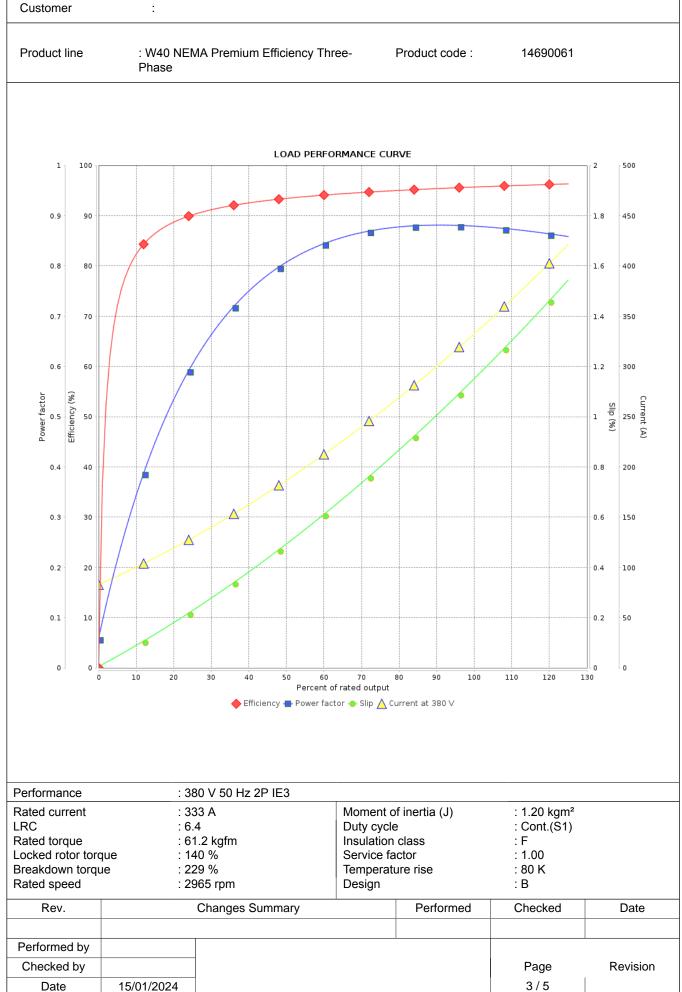


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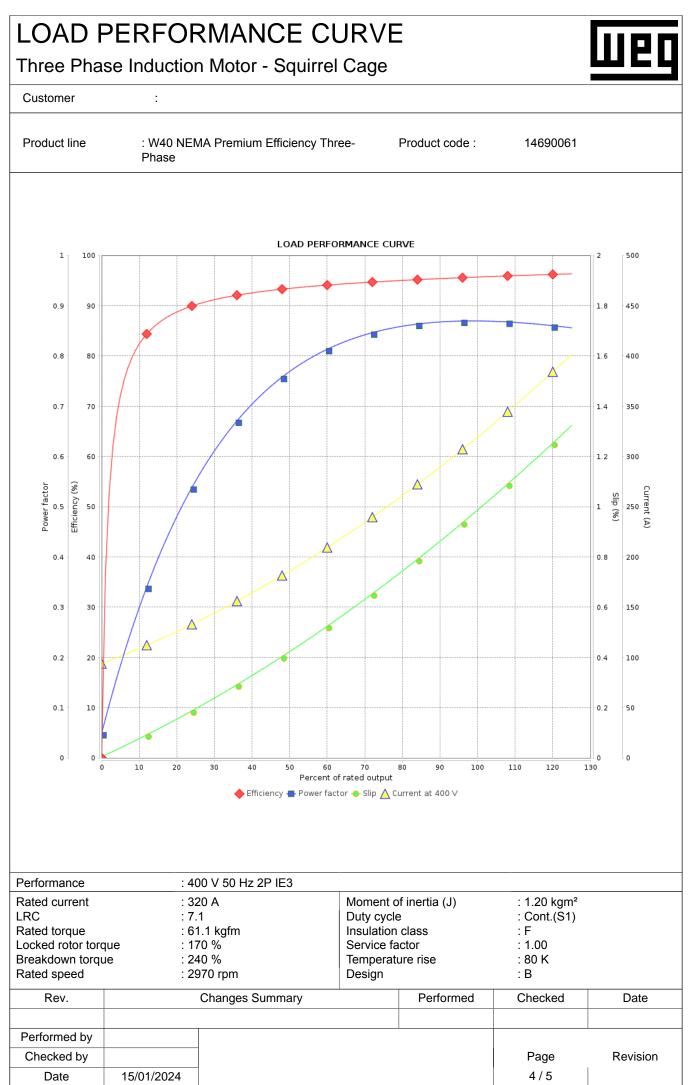
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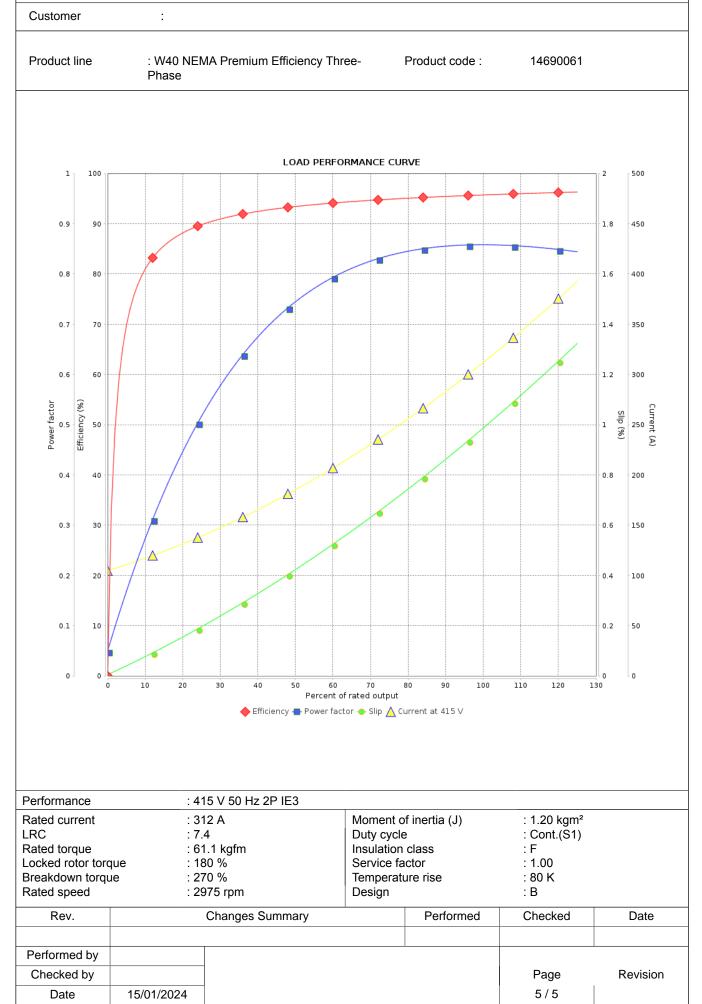
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