DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

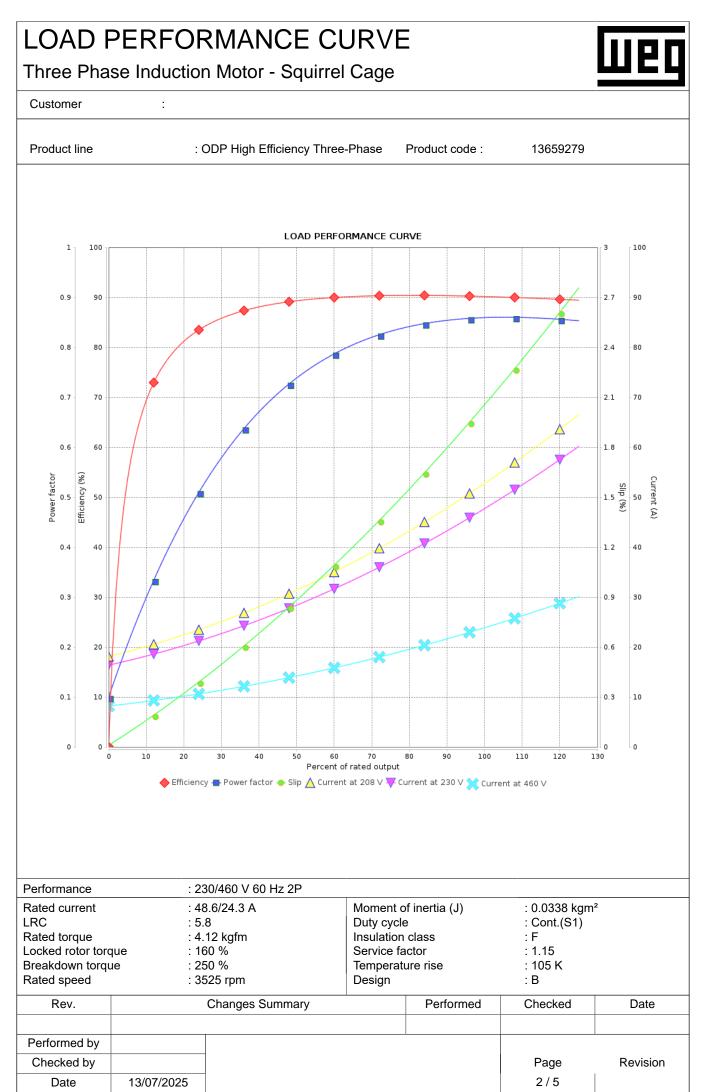
Frame						
Frame		: 254TC Cooling method			: IC01 - ODP : F-1	
Insulation class		: F : Cont (S1)	Mounting Retation1			
Duty cycle		: Cont.(S1) Rotation ¹ : Both (CW and CC				
Ambient temperature Altitude		: -20°C to +40°C Starting method : 1000 m.a.s.l. Approx. weight ³		100 :	: Direct On Line : 94.3 kg	
Protection degree		: IP23 Approx. weight (J)				
Design		: B			0.0556 kgm	
Output [HP]		20	20	20	20	
Poles		2	2	2	2	
Frequency [Hz]		60	50	50	50	
Rated voltage [V]		230/460	380	400	415	
Rated current [A]		48.6/24.3	30.3	29.4	28.7	
L. R. Amperes [A]		282/141	127	135	144	
LRC [A]		5.8x(Code G)	4.2x(Code D)	4.6x(Code E)	5.0x(Code F)	
No load current [A]		16.4/8.20	8.63	10.4	12.1	
Rated speed [RPM]		3525	2890	2905	2920	
Slip [%]		2.08	3.67	3.17	2.67	
Rated torque [kgfm]		4.12	5.02	5.00	4.97	
Locked rotor torque [%]		160	130	140	160	
Breakdown torque [%]		250	200	210	229	
Service factor		1.15	1.00	1.15	1.15	
Temperature rise		105 K	105 K	105 K	105 K	
Locked rotor time		18s (cold) 10s (hot)	18s (cold) 10s (hot)	16s (cold) 9s (ho		
Noise level ²	050/	66.0 dB(A)				
	25%	00.5	00.5	00.5	07.5	
Efficiency (%)	50%	89.5	86.5	86.5	87.5	
J ()	75%	90.2	87.5	87.5	87.5	
	100% 25%	90.2	86.5	86.5	87.5	
Power Factor	50%	0.74	0.77	0.71	0.66	
	75%	0.83	0.85	0.81	0.78	
	100%	0.86	0.87	0.85	0.83	
Bearing type Sealing						
		: 6309 Z C3 6209 Z C3 Max. traction : 132 kgf : Without Max. compression : 227 kgf				
Jeaning			ing Seal	551011 . 2	zi nyi	
Lubrication inter	val		5			
Lubrication interval Lubricant amount			20000 h 20000 h			
Lubricant type		: 13 g 9 g : Mobil Polyrex EM				
		15 954 61 94				
	53.7A SF 1.	15 SFA 61.8A				
Notes USABLE @208V						
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USABLE @208V	aces and car	ncel the previous one, wh		-	on tests with sinusoidal	
USABLE @208V This revision repl must be eliminate	aces and car	ncel the previous one, wh	power supply,	-		
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 Date
 13/07/2025
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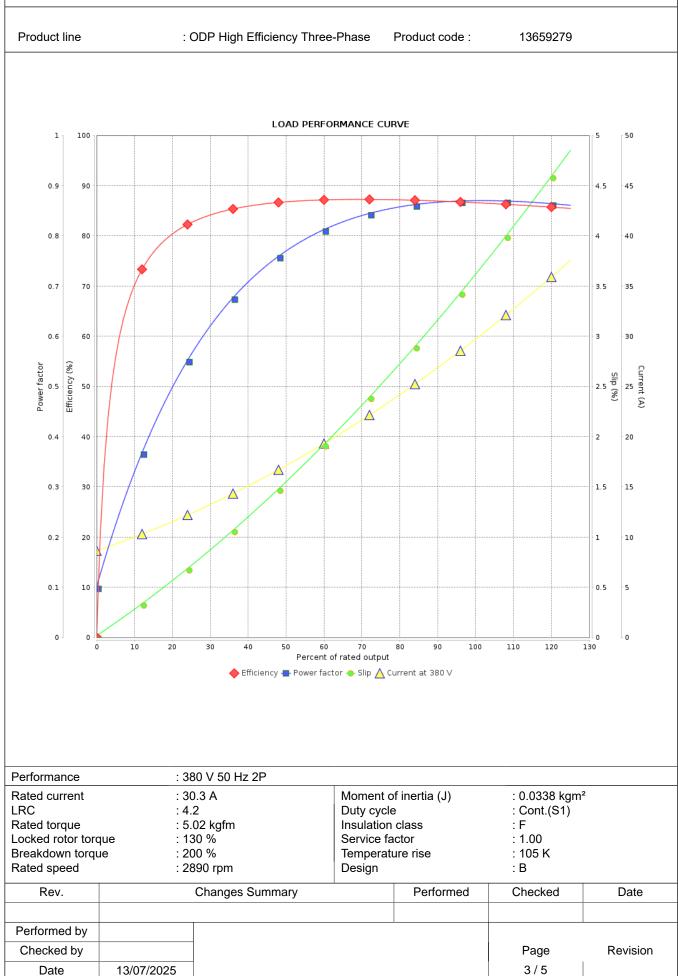
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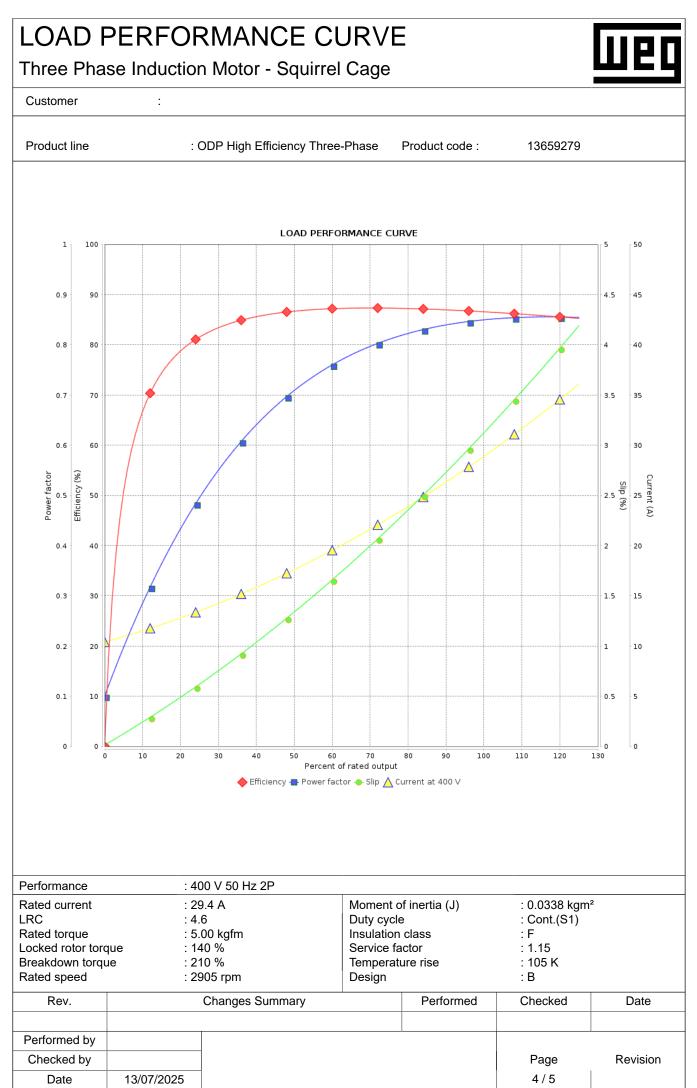
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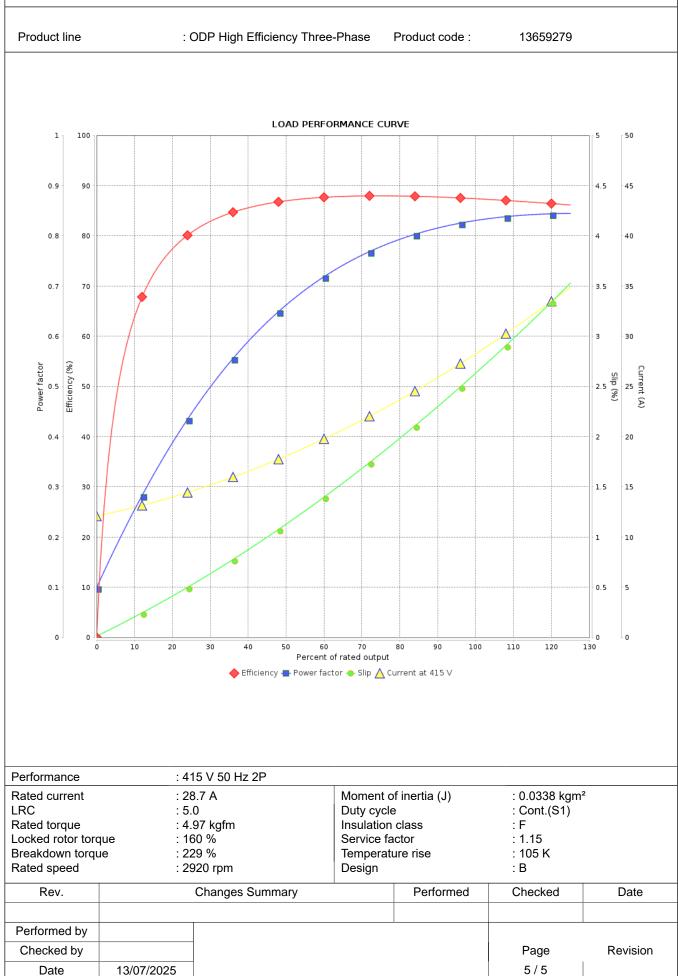
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