# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

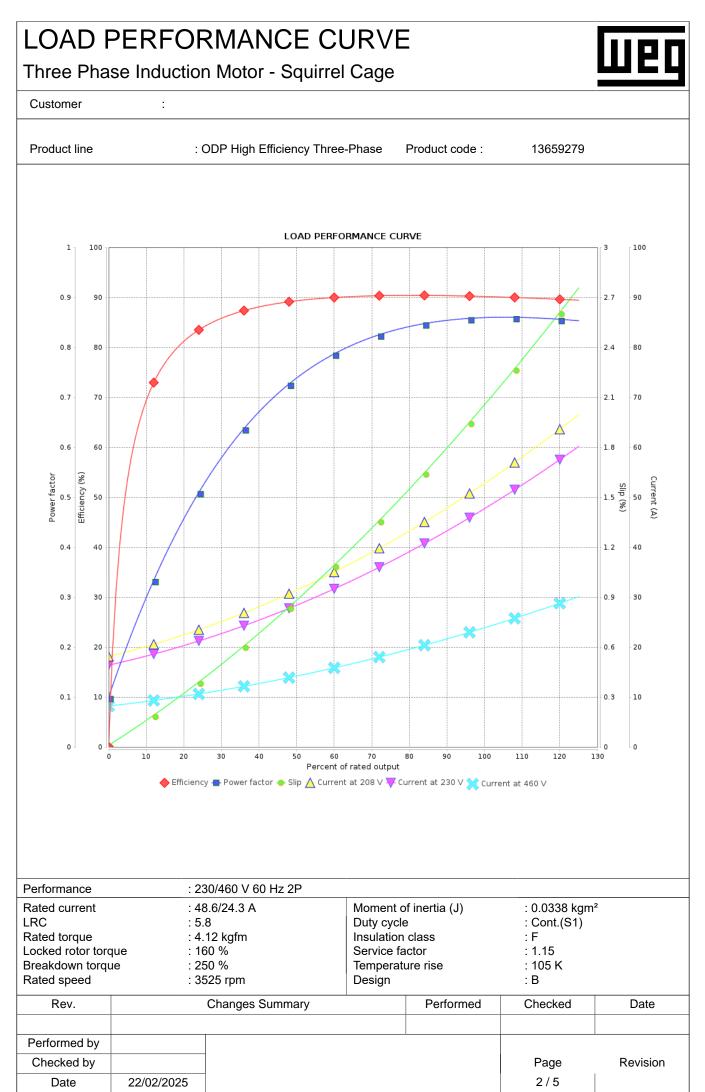
Frame		: ODP High Efficiency				
Frame		: 254TC Cooling method			: IC01 - ODP	
Insulation class		: F	Mounting		F-1	
Duty cycle				Both (CW and CCW)		
Ambient temperature				Direct On Line		
Altitude Protection degree		: IP23 Approx. weight <sup>2</sup> Moment of inertia (J)			: 94.3 kg I) : 0.0338 kgm²	
Design		: B			0.0338 kgm²	
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 <sup>2</sup>		66.0 dB(A)				
Efficiency (%)	25%					
	50%	89.5	86.5	86.5	87.5	
	75%	90.2	87.5	87.5	87.5	
	100%	90.2	86.5	86.5	87.5	
Power Factor	25%	0.74	0.77	0.74	0.00	
	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	
<b>–</b> • •			ive end Foundation lo			
Bearing type		: 6309 Z C3 6209 Z C3 Max. traction : 132 kgf				
Sealing			thout Max. compres	ssion :2	227 kgf	
			ing Seal			
Lubrication interval			000 h			
Lubricant amount			: 13 g 9 g			
Lubricant type		: Mobil Polyrex E				
21						
Notes						
Notes	53.7A SF 1.	15 SFA 61.8A				
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Notes USABLE @208V						
Notes USABLE @208V This revision repl	aces and car	15 SFA 61.8A		-	on tests with sinusoidal	
Notes USABLE @208V This revision repl must be eliminate	aces and car	ncel the previous one, wh	power supply,	-		
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m	aces and car ed. notor from the	ncel the previous one, wh		-	on tests with sinusoidal ances stipulated in NEMA	
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. lotor from the	ncel the previous one, wh e shaft end. tolerance of +3dB(A).	power supply,	-		
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	aces and car ed. lotor from the Im and with t weight subject	ncel the previous one, wh	power supply,	-		
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate v manufacturing pro	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, wh e shaft end. tolerance of +3dB(A).	power supply,	-		
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, wh e shaft end. tolerance of +3dB(A).	power supply, MG-1.	subject to the tolera		
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, where a shaft end. tolerance of +3dB(A). tot to changes after	power supply, MG-1.	subject to the tolera	ances stipulated in NEMA	
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate w manufacturing pro- (4) At 100% of ful Rev. Performed by	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, where a shaft end. tolerance of +3dB(A). tot to changes after	power supply, MG-1.	erformed Ch	ances stipulated in NEMA necked Date	
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pro (4) At 100% of ful Rev.	aces and car ed. lotor from the Im and with t weight subject occess.	ncel the previous one, where a shaft end. tolerance of +3dB(A). tot to changes after	power supply, MG-1.	erformed Ch	ances stipulated in NEMA	

 Date
 22/02/2025
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## LOAD PERFORMANCE CURVE

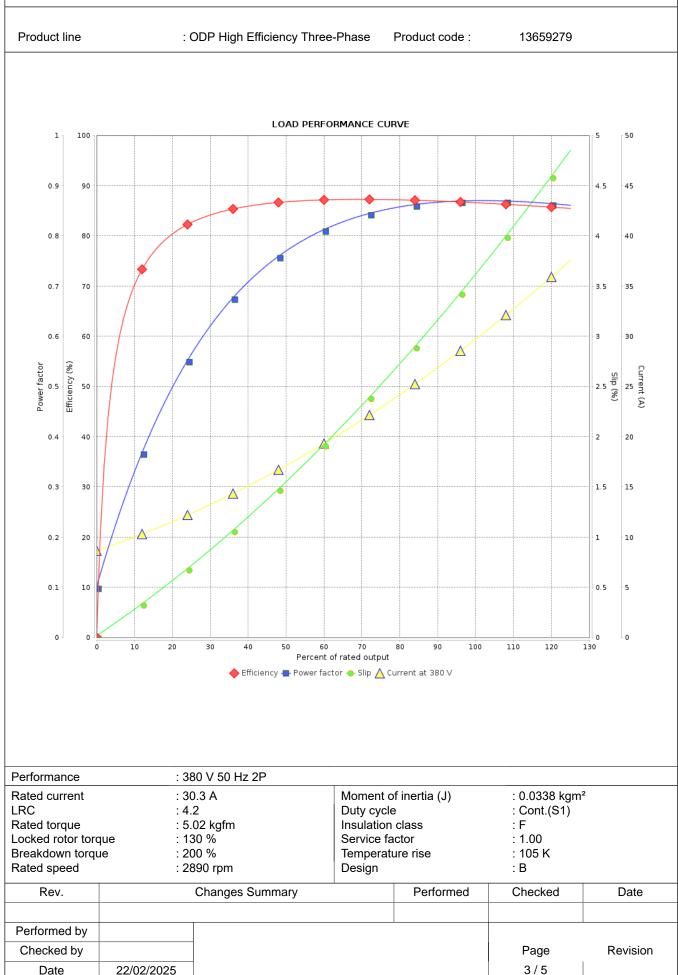
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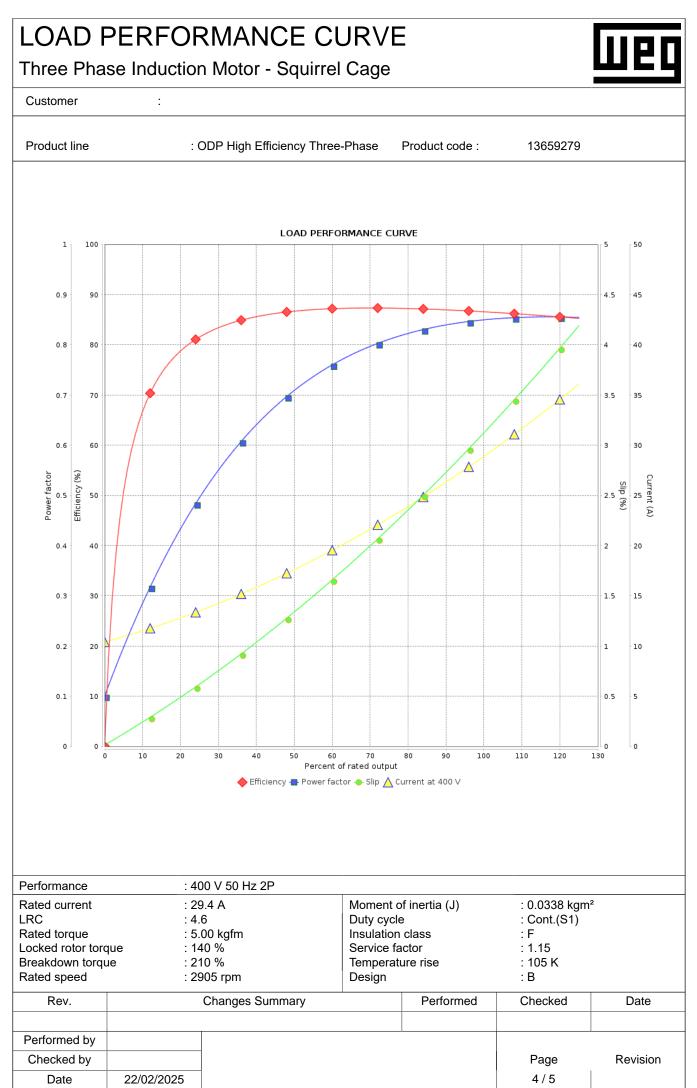


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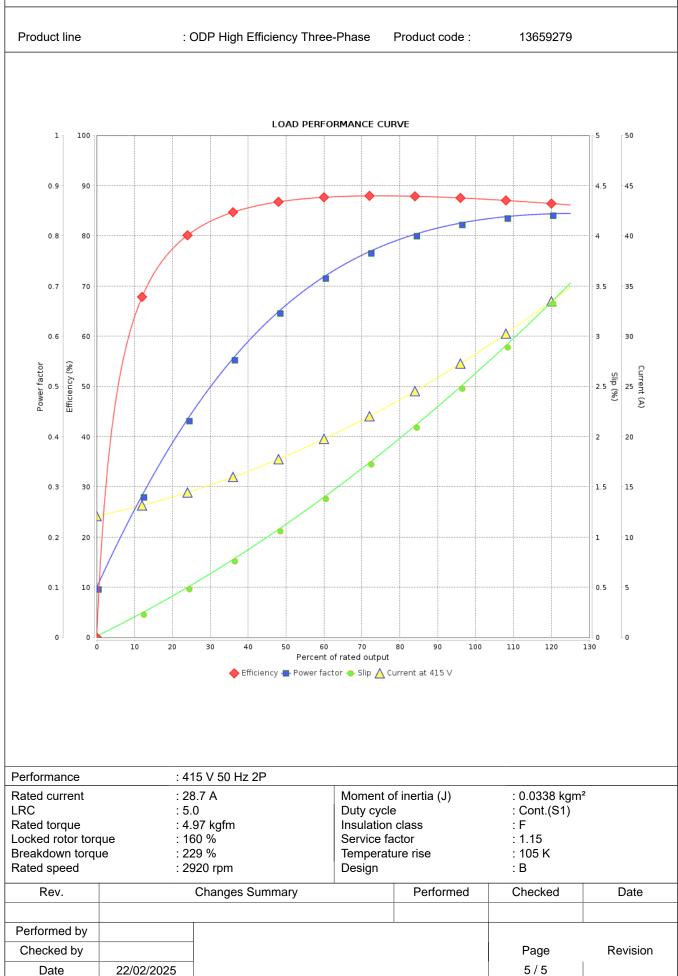
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