# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

Frame		: ODP High Efficiency	Inree-Phase Pro	oduct code :	11996595	)
Frame		: 256TC		Cooling method : IC0 <sup>2</sup>		DP
Insulation class		: F	-		: F-1	
Duty cycle		: Cont.(S1)	Rotation <sup>1</sup>		: Both (CW and CCW)	
Ambient temperature		: -20°C to +40°C	: -20°C to +40°C Starting meth			
Altitude		: 1000 m.a.s.l.	Approx. we	weight <sup>3</sup> : 0.0 kg		
Protection degree		: IP23	: IP23 Moment of inertia		ia (J) : 0.0778 kgm²	
Design		: B				-
Output [HP] Poles		20	20	20		20
		4	4	4		4
Frequency [Hz]		60	50	50		50
Rated voltage [V]		230/460	380	400		415
Rated current [A]		51.0/25.5				30.6
L. R. Amperes [A]		286/143			130 138	
LRC [A]			5.6x(Code G) 3.7x(Code C)		(Code E) 4.5x(Code E)	
No load current [A]		21.8/10.9	21.8/10.9 11.1			13.7
Rated speed [RPM]		1765			)	1455
Slip [%]		1.94			3	3.00
Rated torque [kgfm]		8.22				9.98
Locked rotor torque [%]		229	160	10.0 180		200
Breakdown torque [%]		250	160	180		200
Service factor		1.15	1.00	1.00		1.00
Temperature rise		1.15 105 K	105 K	105 1		105 K
Locked rotor time						
Locked rotor time		21s (cold) 12s (hot) 60.0 dB(A)	27s (cold) 15s (hot	i) 25s (cold) 1	45 (HOL) 2	3s (cold) 13s (hot
	25%					
Efficiency (%)	50%	90.2	87.5	87.5	5	87.5
	75%	91.0	88.5	88.5	5	88.5
	100%	91.0	87.5	87.5		88.5
Power Factor	25%					
	50%	0.64	0.72	0.62	,	0.64
	75%	0.75	0.81	0.74		0.76
	100%	0.81	0.84	0.78		0.81
	4	Drive end Non dr	rive end Foundation	loads	1	
Bearing type		: 6309 Z C3 620				
Sealing		: Without Wi	ithout Max. compr	ression	: 314 kgf	
			ing Seal		, e , i , g	
Lubrication interv	val		000 h			
Lubricant amount			9 g			
Lubricant type		: Mobil Polyrex E				
		<u> </u>	I			
Notes	56.4A SF 1	15 SEA 64 0A				
Notes USABLE @208V	55.7751	13 SFA 04.9A				
	55. 7. 51 1.	13 3FA 04.9A				
		13 SFA 04.9A				
		10 SFA 04.9A				
USABLE @208V			hich These are a	average values b	ased on tests	with sinusoidal
USABLE @208V	aces and can	ncel the previous one, wh		average values b		
USABLE @208V This revision repl must be eliminate	aces and can	ncel the previous one, wh	power supp			with sinusoidal pulated in NEMA
USABLE @208V This revision repl must be eliminate (1) Looking the m	aces and can ed. notor from the	ncel the previous one, wh				
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and can ed. notor from the 1m and with t	ncel the previous one, where shaft end.	power supp			
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	aces and can ed. notor from the 1m and with to weight subject	ncel the previous one, wh	power supp			
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and can ed. totor from the 1m and with t weight subject ocess.	ncel the previous one, where shaft end.	power supp			
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and can ed. totor from the 1m and with t weight subject ocess.	ncel the previous one, where shaft end. Solerance of +3dB(A).	power supp MG-1.			
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 can ed. totor from the 1m and with t weight subject ocess.	ncel the previous one, where shaft end.	power supp MG-1.	ly, subject to the	tolerances sti	pulated in NEMA
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 Rev.	aces and can ed. totor from the 1m and with t weight subject ocess.	ncel the previous one, where shaft end. Solerance of +3dB(A).	power supp MG-1.	ly, subject to the	tolerances sti	pulated in NEMA
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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 Rev.	aces and can ed. totor from the 1m and with t weight subject ocess.	ncel the previous one, where shaft end. Solerance of +3dB(A).	power supp MG-1.	ly, subject to the	tolerances sti	pulated in NEMA

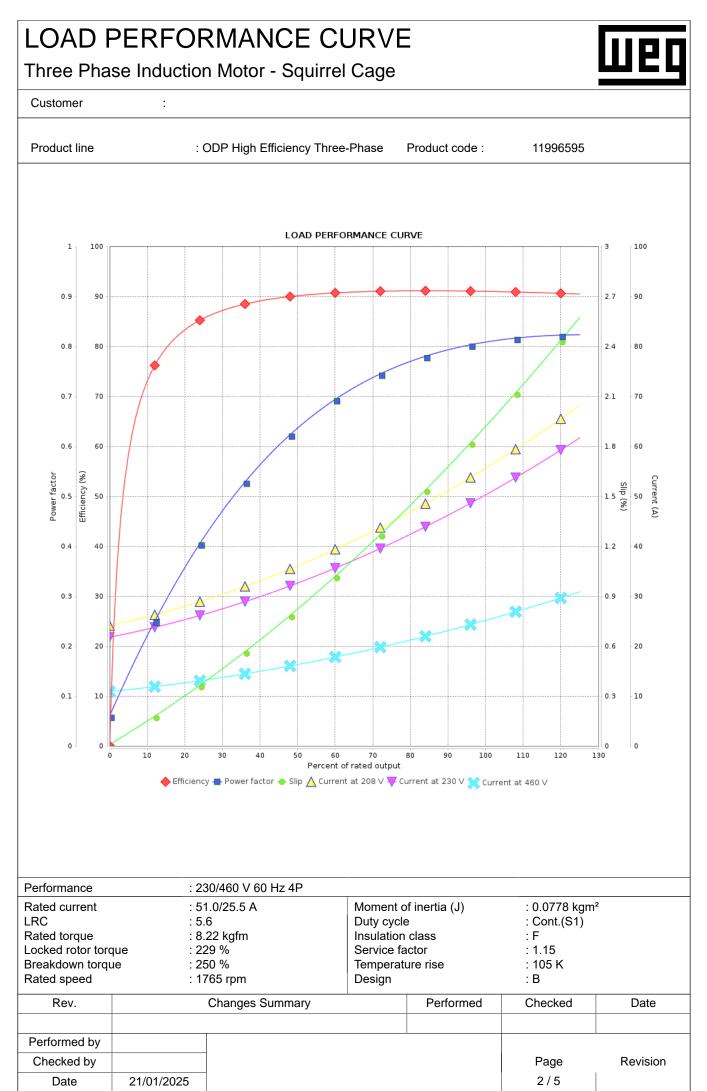
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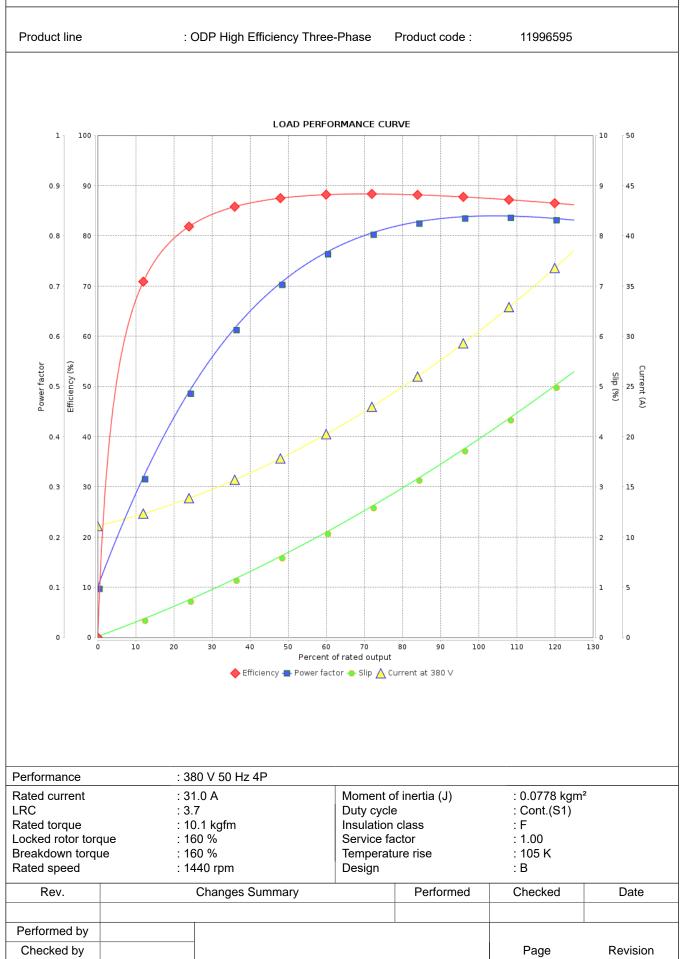
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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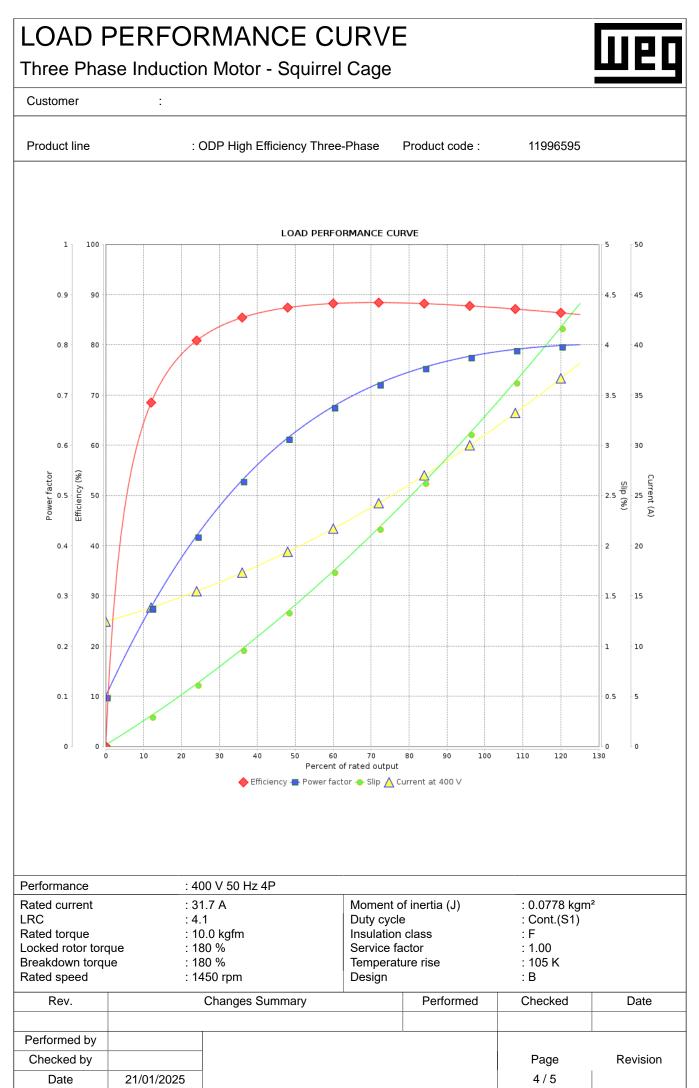


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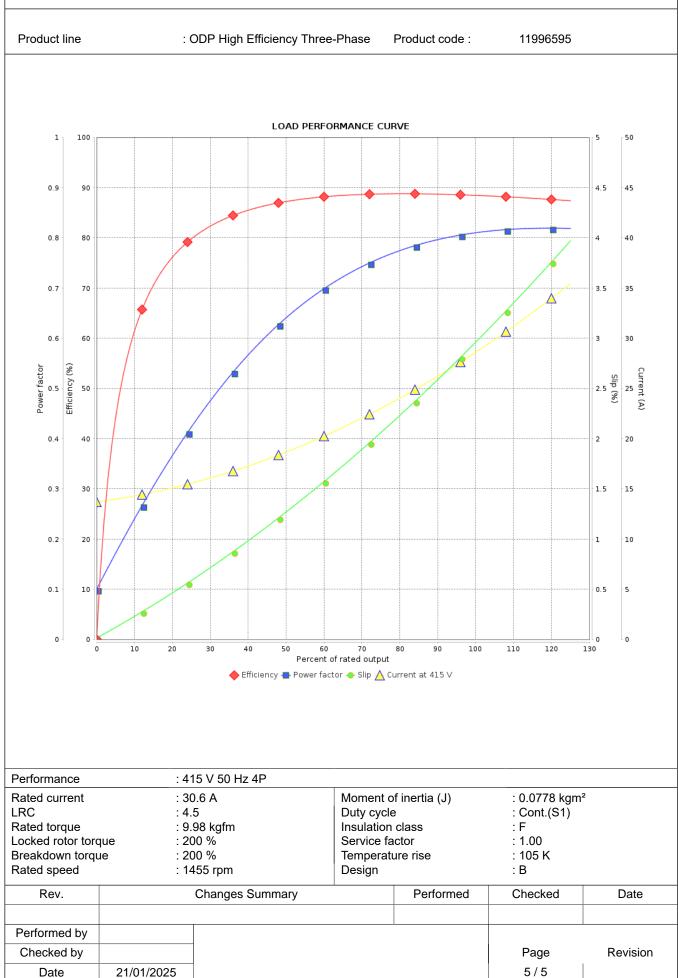
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