# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: Three-Phase		Product code :	14009199		
Frame		: 56H	Coolina	method	: IC411 - TE	FC	
Insulation class		: F	Mountin		: F-1		
Duty cycle		: Cont.(S1)	Rotation		: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C		method	: Direct On Line		
Altitude		: 1000 m.a.s.l.			: 22.3 kg		
Protection degree		: IP55		Approx. weight <sup>3</sup> Moment of inertia (J)		: 0.0070 kgm <sup>2</sup>	
			Momen	t of mertia (J)	. 0.0070 kgi	11	
Design		:B					
Dutput [HP] Poles		3		3		3 2	
Frequency [Hz]		60		50		50	
Rated voltage [V]		230/460		190/380			
Rated current [A]		7.02/3.51		8.50/4.25			
L. R. Amperes [A]		66.7/33.3		62.9/31.5 65.6/34.8		.6/34.8	
LRC [A]		9.5x(Code L)		7.4x(Code J) 8.9x(Code ł		(Code K)	
No load current [A]		2.56/1.28		2.52/1.26 2.72/1.44			
Rated speed [RPM]		3500		2870	2895		
Slip [%]		2.78		4.33 3.50			
		0.621		0.759		0.752	
Rated torque [kgfm]							
Locked rotor torque [%]		300		229		290	
Breakdown torque [%]		380		280	340		
Service factor				1.15	1.15		
Temperature rise		80 K		80 K	80 K		
Locked rotor time		18s (cold) 10s (hot)	16:	s (cold) 9s (hot)	14s (co	14s (cold) 8s (hot)	
Noise level <sup>2</sup>		68.0 dB(A)		65.0 dB(A)	65.0 dB(A)		
	25%						
Efficiency (%)	50%	84.0		86.6	86.2		
	75%	86.5		86.4		87.0	
	100%	86.5				87.0	
	25%	C.00		84.6		00.0	
Power Factor		2 32				0.70	
	50%	0.78		0.83		0.78	
	75%	0.87		0.90		0.87	
	100%	0.91		0.93		0.91	
		Drive end Non drive er	nd Foundat	ion loads	·		
Bearing type		6204 ZZ 6202 ZZ			: 71 kgf		
Sealing		V'Ring V'Ring	max. aa	npression	: 93 kgf		
Lubrication interval		• •		npression	. 95 Kgi		
Lubricant amount							
Lubricant type	:	Mobil Polyrex EM					
Notes USABLE @208V	7.76A SF 1.0	0 SFA 7.76A					
must be eliminate (1) Looking the m	ed. otor from the s m and with to veight subject ocess.	erance of +3dB(A).			based on tests w ne tolerances stipu		
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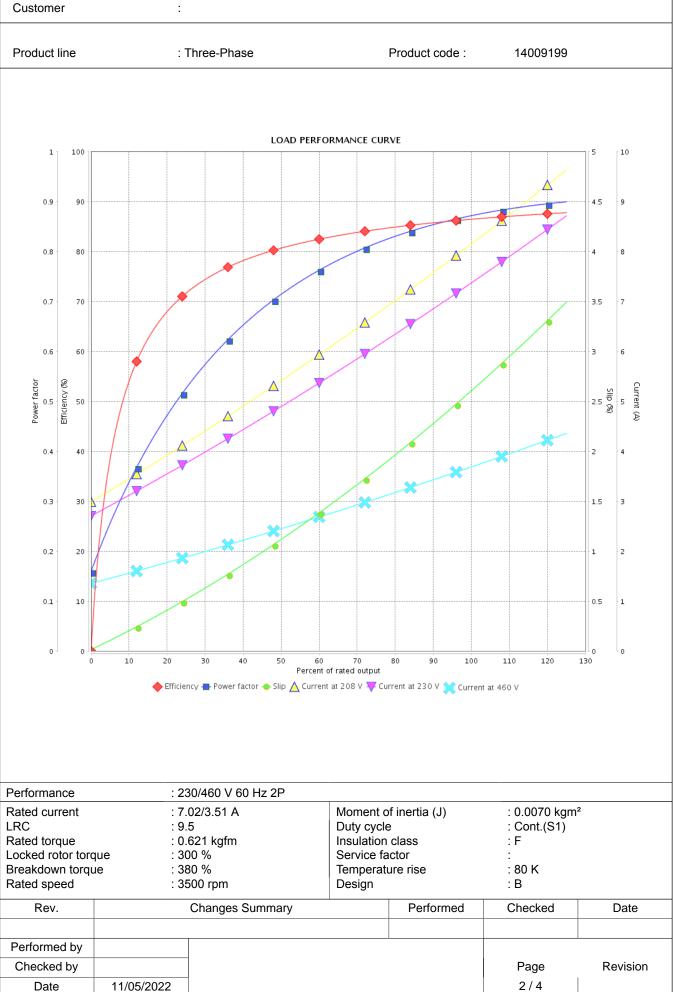
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### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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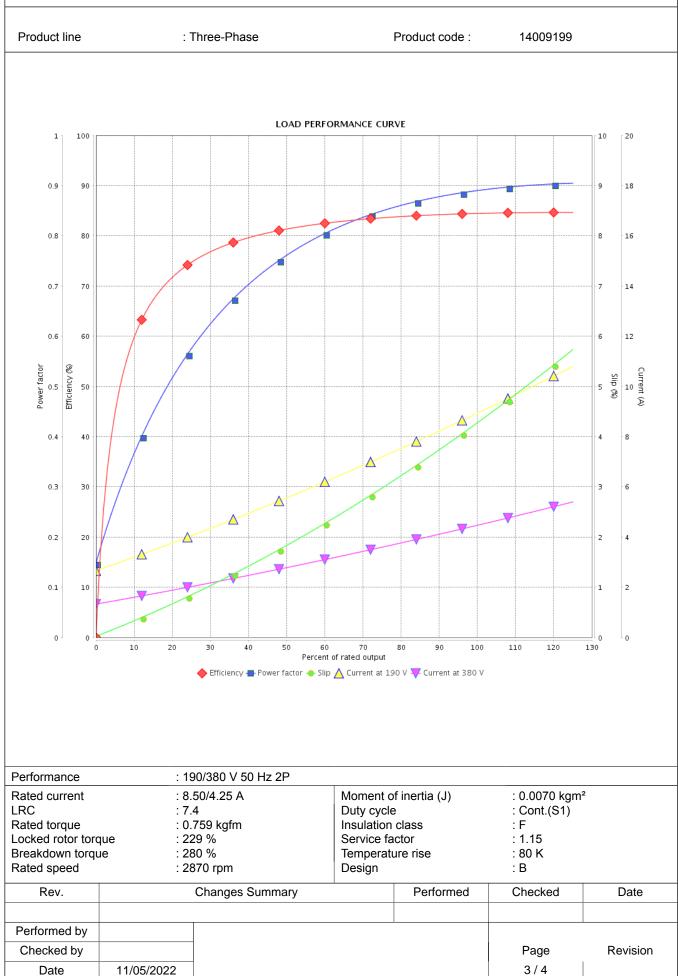
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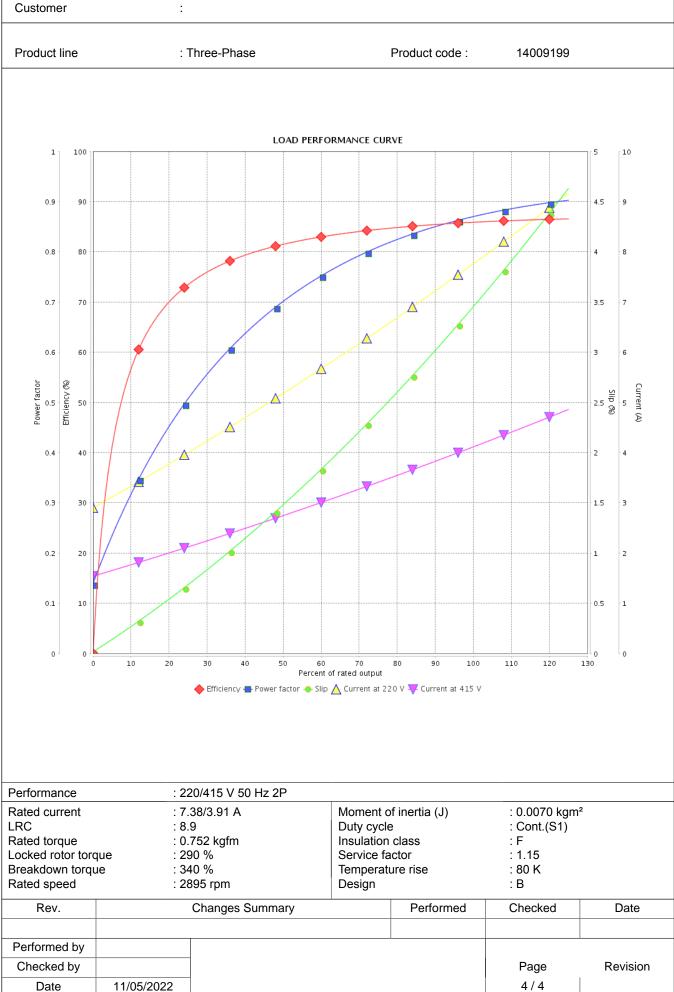


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