# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage

:

#### Customer

Frame	Frame		200L		Cooling r	nethod	: IC411 - T	EFC	
Insulation class			F		Mounting			-	
Duty cycle			S1		Rotation	1	: B35L(E) : Both (CV	/ and CCW)	
Ambient tempera	ture		-20°C to +40°C	)	Starting I		: VFD		
Altitude			: 1000 m.a.s.l.		Approx. weight <sup>3</sup>		: 258 kg		
Protection degree	е		: IP55		Moment of inertia (J)		: 0.3468 kgm²		
Design		:	Ν						
Output [HP]			40			40		40	
Poles			4		4		4 50		
Frequency [Hz]			60 208-230/460		50 380		415		
Rated voltage [V] Rated current [A]			109-98.8				55.7		
L. R. Amperes [A]			1005-909		58.0		457		
L. R. Amperes [A]			9.2	//404	423		8.2		
No load current [A	1		44.0-51.0	125 5	7.3 24.5		27.0		
Rated speed [RPM			44.0-51.0			1480		1485	
Slip [%]	י <u>ו</u>		0.83			1.33	1485		
Rated torque [kgfn	nl		16.3			19.6		19.5	
_ocked rotor torqu			340			250		310	
Breakdown torque			350		250		310		
Service factor	[,,]		1.25		1.25		1.25		
Temperature rise			80 K			80 K		80 K	
Locked rotor time			23s (cold) 13s (hot)		19s (cold) 11s (hot)		16s (cold) 9s (hot)		
Noise level <sup>2</sup>			66.0 dB			63.0 dB(A)		63.0 dB(A)	
	259	%	0.000			0.000		0.000	
	509	%	92.6		93.4		92.8		
Efficiency (%)	759	%	93.7		93.7		93.3		
	100		94.1		93.6		93.6		
	259		0.00	1	0.00			0.00	
Power Factor	509		0.63		0.69			0.60	
	759	% 0.			0.79		0.72		
	100	%	0.81		0.84		0.80		
Losses at normati	ive ope	rating po	pints (speed;tore	que), in percei	ntage of rat	ed output power			
			1 (0,9;1,0)		.0	6.6		6.6	
		P2	2 (0,5;1,0)	4	.7	5.1		5.1	
		P3	(0,25;1,0)	4	.3	4.6		4.6	
Losses (%)	F	P4	4 (0,9;0,5)		.5	3.9	3.9		
	F	P			2.3 2.5		2.5		
	F		P6 (0,5;0,25) 1		.8 1.9		1.9		
		P7	(0,25;0,25)	1	.2	1.3		1.3	
				lon drive end	Foundatio	on loads			
Bearing type		:	: 6312 C3 6212 C3		Max. traction		: 633 kgf : 891 kgf		
Sealing		:	: V'Ring V'Ring		Max. com	pression			
Lubrication interval		:	: 20000 h 20000 h						
Lubricant amoun	t	:	21 g Mahil Dal	13 g					
Lubricant type			Mobil Pol						
This revision repla	aces an	d cance	I the previous o	ne. which	These are	e average values	based on tests v	with sinusoidal	
This revision replaces and cancel the previous one, which must be eliminated.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA					
(1) Looking the motor from the			naft end.		MG-1.				
(2) Measured at 1				۹).					
(3) Approximate v		ubject to	o changes after						
manufacturing pro									
(4) At 100% of full	l load.								
Rev.		Changes Summary				Performed	Checked	Date	
<b></b>									
Performed by									
							D	D	
Checked by		)/2024					Page 1 / 5	Revision	

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Customer

Notes

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	25/10/2024			2/5	

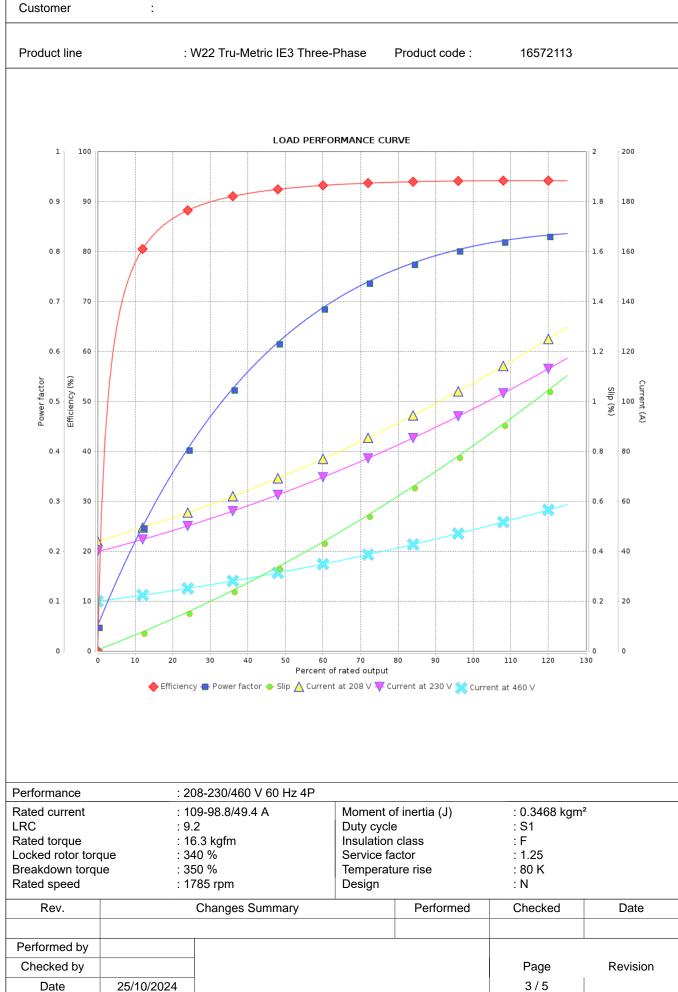
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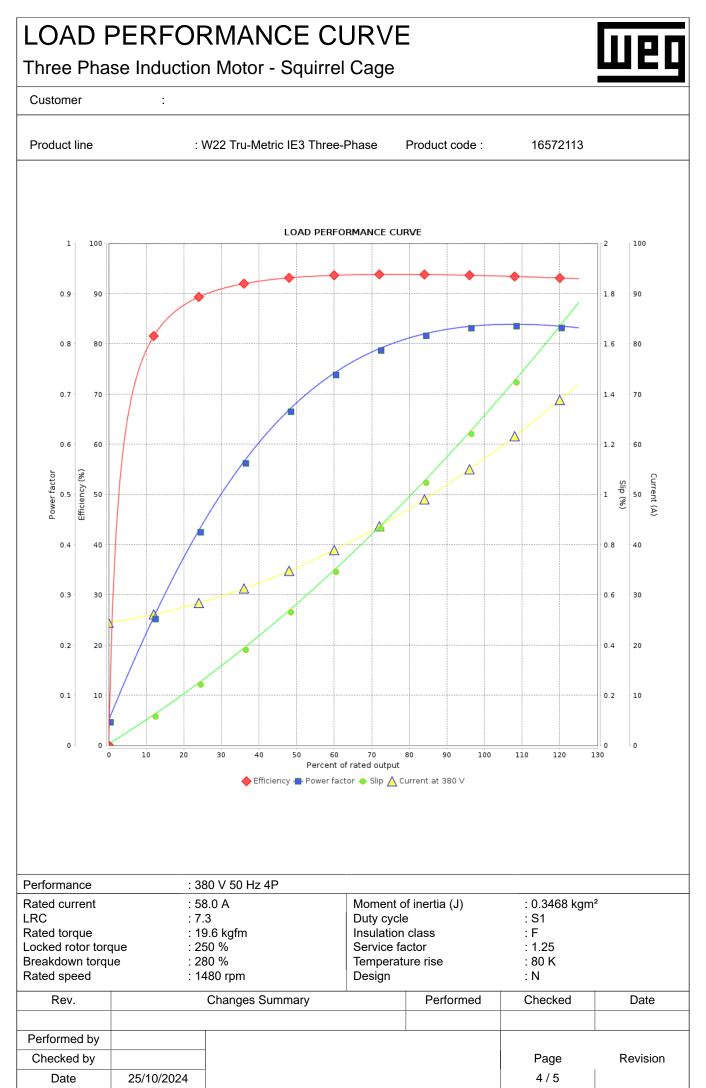
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage





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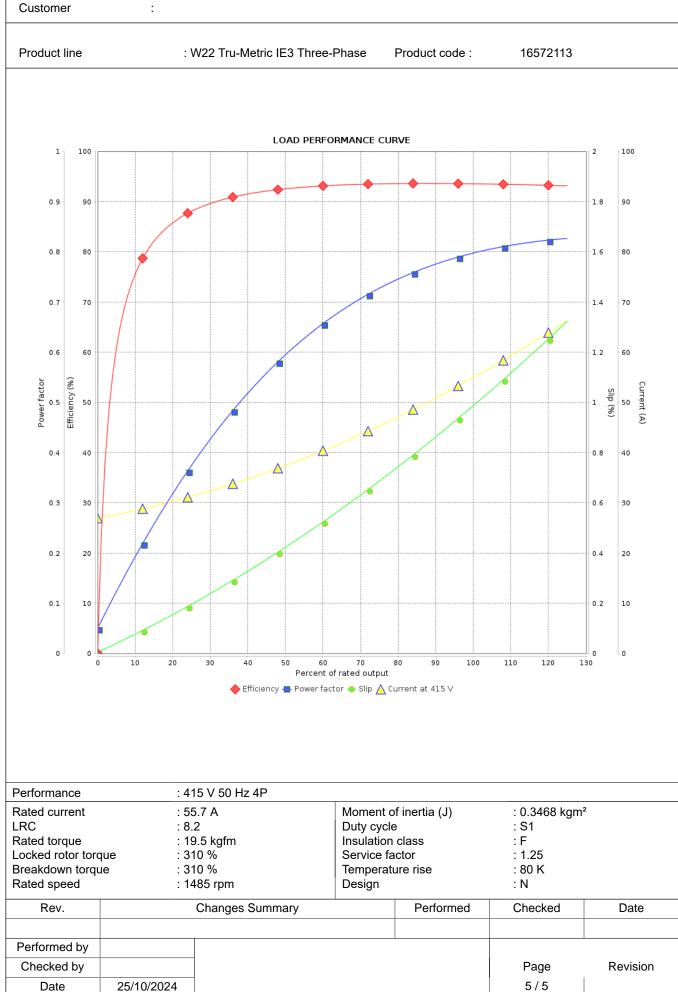


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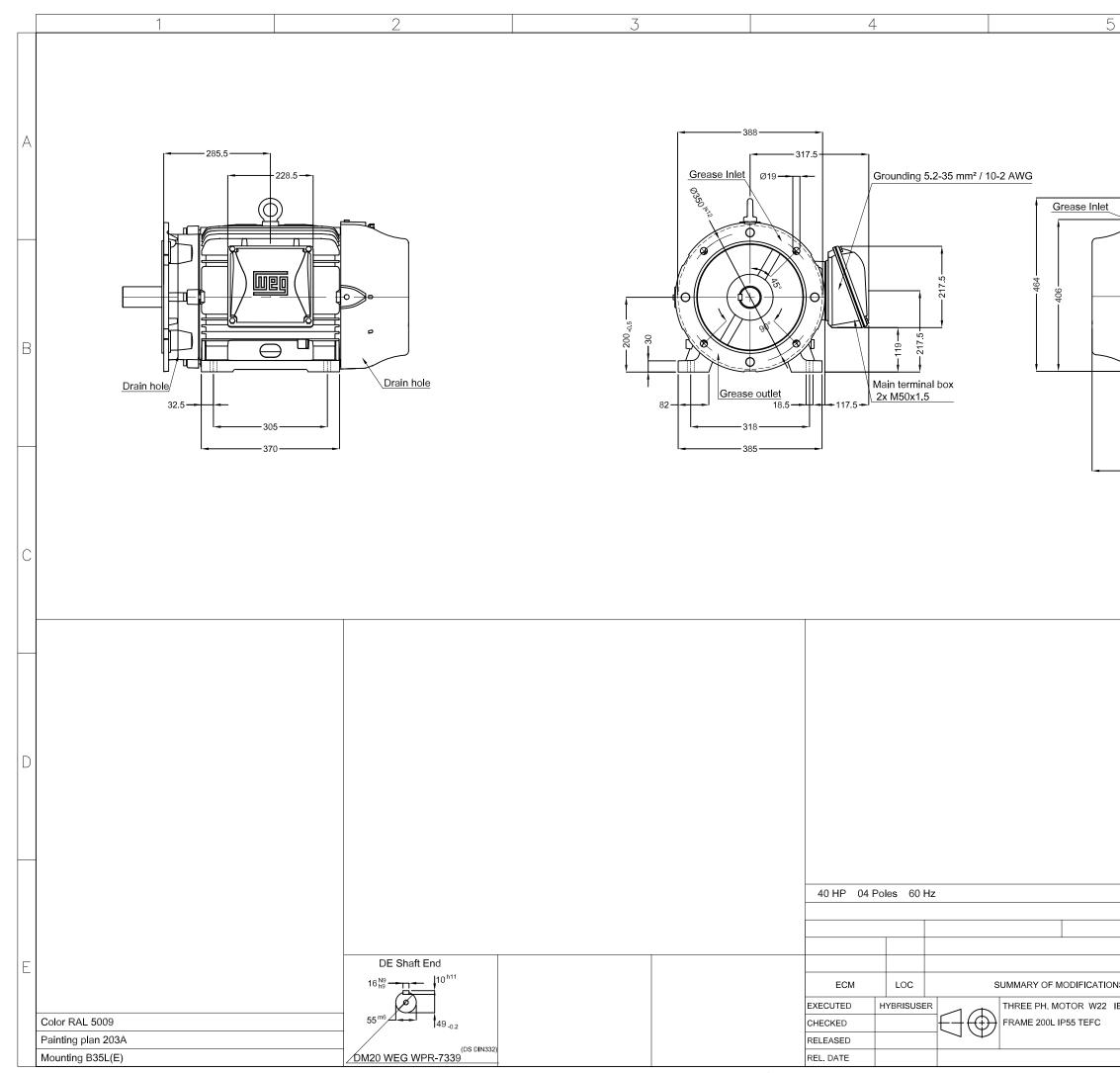
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