DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



	:	W22 Tr	u-Metric IE3 Thre	e-Phase	P	roduct code :	165721	13	
Frame			: 200L		Cooling method		: IC411	- TEFC	
Insulation class			: F		Mounting		: B35L(E)		
Duty cycle			: S1		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ture		: -20°C to +40°C		Starting method		: VFD		
Altitude	uic		: 1000 m.a.s.l.		Approx. weight ³		: 258 kg		
Protection degree	`		: 1000 m.a.s.i. : IP55		Moment of inertia (J)		: 0.3468 kgm²		
	;				Moment of mentia (5)		. 0.3408 kgm		
Design			: N						
Output [HP]			40		40		40		
Poles Frequency [Hz]			60					<u>4</u> 50	
Rated voltage [V]			208-230/460		380		415		
			109-98.8/49.4		58.0		55.7		
Rated current [A]									
. R. Amperes [A]			1005-909/	454	423		457		
_RC [A]			9.2		7.3		8.2		
No load current [A]			44.0-51.0/2	25.5	24.5		27.0		
Rated speed [RPM	1]		1785		1480		1485		
Slip [%]			0.83		1.33		1.00		
Rated torque [kgfm	1]		16.3		19.6		19.5		
Locked rotor torque			340		250		310		
			340		230		310		
Breakdown torque [%] 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 ²			66.0 dB(A)		63.0 dB(A)		63.0 dB(A)		
	259		0.000			0.000		0.000	
Efficiency (%)	509		92.6		93.4			92.8	
	759	%	93.7			93.7	93.3		
	100	%	94.1		93.6		93.6		
	259		0.00			0.00		0.00	
	500		0.63			0.69	0.60		
Power Factor	759					0.79		0.72	
	100		0.81		0.79		0.72		
				uo) in n	toge of 1		I		
Losses at normati	ve ope							6.6	
					.0 6.6			6.6	
	Ļ		P2 (0,5;1,0)		.7	5.1	5.1		
	L		3 (0,25;1,0)		.3	4.6		4.6	
Losses (%)	Γ		4 (0,9;0,5)		.5	3.9		3.9	
	F	P	5 (0,5;0,5)	2.	.3	2.5		2.5	
	F		6 (0,5;0,25)	1.	.8	1.9		1.9	
	F		(0,25;0,25)		.2	1.3		1.3	
			· · · · · · · · · · · · · · · · · · ·	on drive end	Foundatio				
	Rearing type			6212 C3				: 622 kaf	
Bearing type		•	6312 C3		Max. traction		: 633 kgf		
Bearing type						nression	: 891 kg	I	
Sealing	. 1	:	V'Ring	V'Ring	Max. com	010001011	0		
Sealing Lubrication interv		:	20000 h	20000 h	Max. com		0		
Sealing Lubrication interv Lubricant amount		:	20000 h 21 g	20000 h 13 g	Max. com		Ū		
Sealing Lubrication interv			20000 h	20000 h 13 g	Max. com				
Sealing Lubrication interv Lubricant amount Lubricant type	t	: : : :	20000 h 21 g Mobil Poly	20000 h 13 g vrex EM					
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla	t aces an	d cance	20000 h 21 g Mobil Poly	20000 h 13 g vrex EM	These are	average values	based on tes	ts with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated	t aces an d.		20000 h 21 g Mobil Poly	20000 h 13 g vrex EM	These are power sup	average values	based on tes		
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo	t aces an d. otor fro	m the s	20000 h 21 g Mobil Poly el the previous on haft end.	20000 h 13 g rrex EM	These are	average values	based on tes	ts with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 1	t aces an d. otor fro m and	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A	20000 h 13 g rrex EM	These are power sup	average values	based on tes	ts with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mod (2) Measured at 11 (3) Approximate w	t aces an d. otor fro m and veight s	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A	20000 h 13 g rrex EM	These are power sup	average values	based on tes	ts with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A	20000 h 13 g rrex EM	These are power sup	average values	based on tes	ts with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A o changes after	20000 h 13 g rrex EM ne, which	These are power sup	average values pply, subject to th	based on tes e tolerances	ts with sinusoidal stipulated in NEMA	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mod (2) Measured at 11 (3) Approximate w	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A	20000 h 13 g rrex EM ne, which	These are power sup	average values	based on tes	ts with sinusoidal stipulated in NEMA	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A o changes after	20000 h 13 g rrex EM ne, which	These are power sup	average values pply, subject to th	based on tes e tolerances	ts with sinusoidal stipulated in NEMA	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A o changes after	20000 h 13 g rrex EM ne, which	These are power sup	average values pply, subject to th	based on tes e tolerances Checked	ts with sinusoidal stipulated in NEM/ I Date	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	t d. otor fro m and veight s ocess.	m the sl with tole	20000 h 21 g Mobil Poly el the previous on haft end. erance of +3dB(A o changes after	20000 h 13 g rrex EM ne, which	These are power sup	average values pply, subject to th	based on tes e tolerances	ts with sinusoidal stipulated in NEMA	

Шeq

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Notes

			1	1	
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/5	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



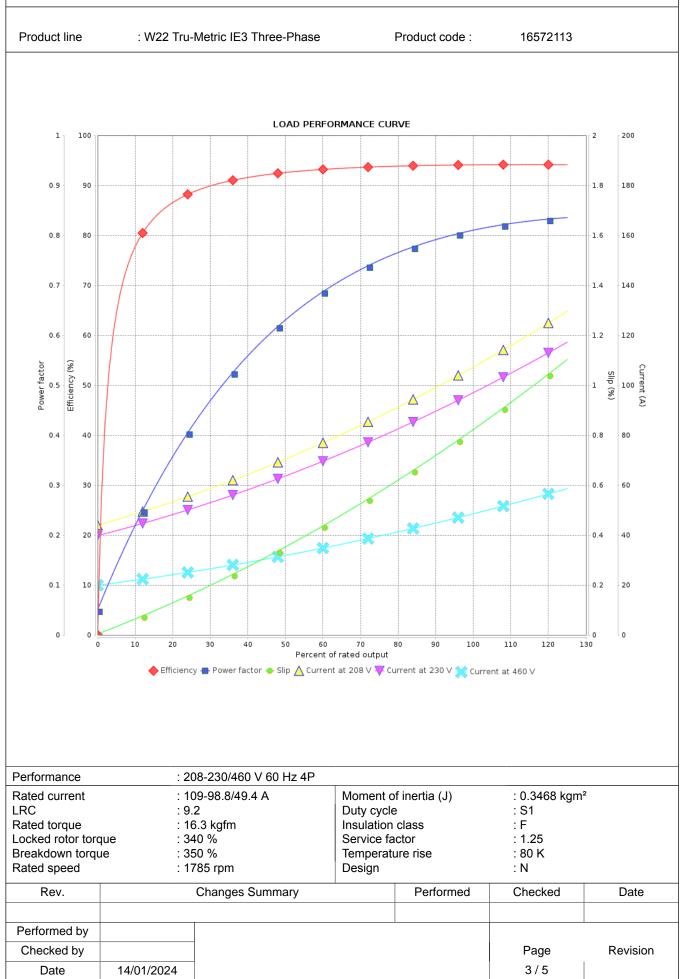
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:

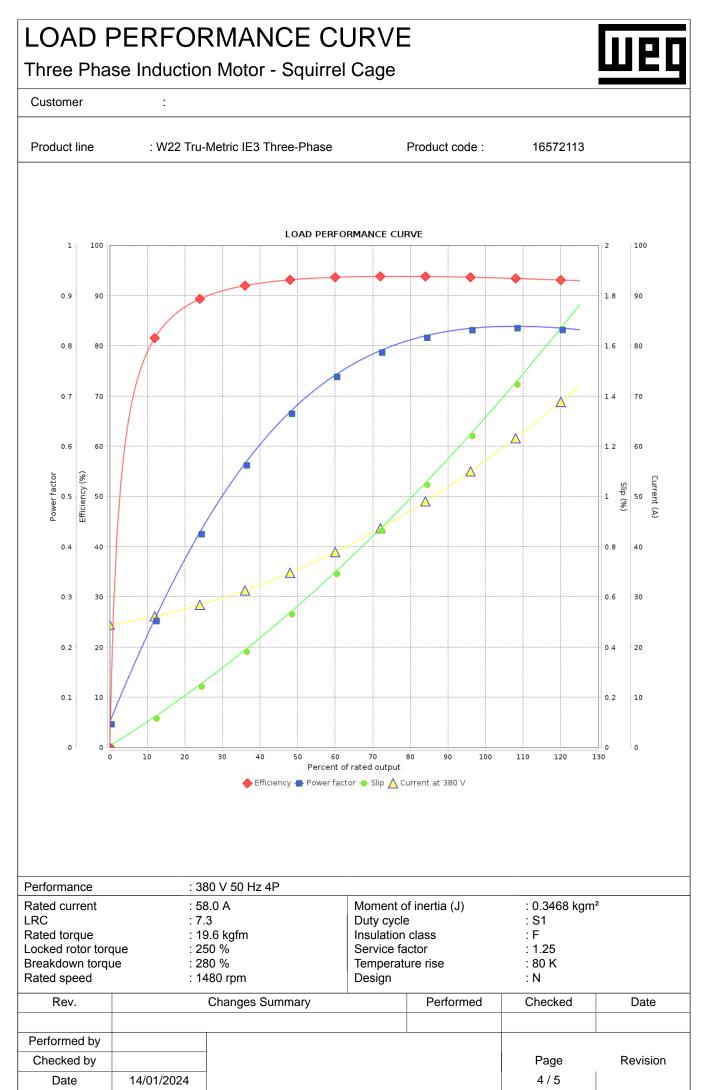






This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice



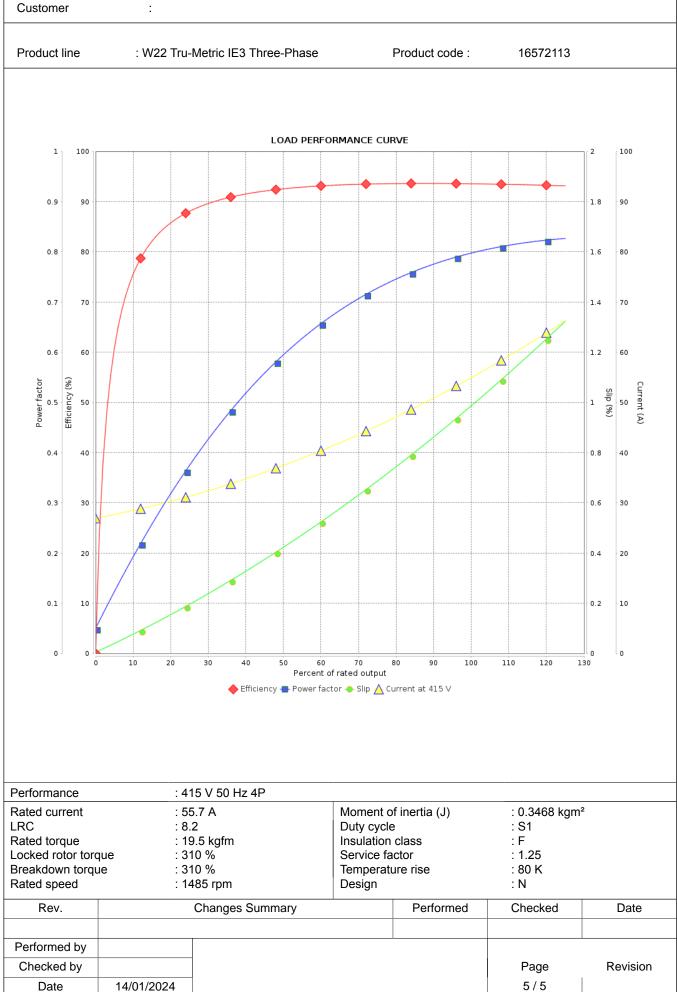
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage





This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.