## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



## Customer

Product line	: W22	IE3 Three-	Phase		Pro	duct coo	de :	12959	503	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 160L : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Mounting: B5TRotation1: BothStarting method: DirecApprox. weight3: 154			: B5T : Both : Direc : 154 k	n (CW and CCW) ct On Line	
Output [kW]			15		15		15		1	5
Poles		4			4		4		4	
Frequency [Hz]		50		50		_	50		60	
Rated voltage [V]		220/380			230/400		240/415		46	
Rated current [A]		50.3/29.1		49.1/28.3			48.4/28.0		25.0	
. R. Amperes [A]		332/192		344/198			358/207		200	
_RC [A]		6.6		7.0			7.4		8.0	
No load current [A		20.7/12.0		22.6/13.0			24.2/14.0		12.5	
Rated speed [RPN	/]	1470			1475		1477		1780	
Slip [%]		2.00			1.67		1.53		1.11	
Rated torque [Nm] _ocked rotor torqu		97.5			97.2		97.0		80.5	
Locked rotor torqu Breakdown torque		240			270		300		320 330	
Service factor	[/0]	260 1.00			300 1.00		320 1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
_ocked rotor time		19s (cold) 11s (hot)		19s (c	19s (cold) 11s (hot)		18s (cold) 10s (hot)		21s (cold) 12s (hot	
Noise level <sup>2</sup>		61.0 dB(A)			1.0 dB(A)		61.0 dB(A		64.0 dB(A)	
	25%									× /
Efficiency (%)	50%	92.1			92.0		91.4		92	
	75%	92.4			92.5		92.3		92.9	
	100%	ę	92.1		92.3		92.1		93.0	
	25%									
Power Factor	50%	0.70		0.66		_	0.62		0.63	
	75%		0.80 0.85		0.77		0.75 0.81		0.75	
	100%				0.83				0.8	
Losses at normat				n percer		output				
		,9;1,0) 8.5			8.2		8.5			7.4
		5;1,0)	7.5	7.3			7.5		6.6	
Losses (%)		25;1,0) 7.2			7.0		7.2		6.3	
LUSSES (70)		,9;0,5) 3.9 ,5;0,5) 2.9			2.8		2.9		3.4	
	P5 (0, P6 (0,				2.0		1.8			2.5 1.6
	P7 (0,2				1.0		1.0			1.2
Bearing type		Drive end         Non drive end           1         6309 ZZ C3         6209 ZZ C3           2         Oil Seal         Lip Seal		Foundation loads Max. traction Max. compression		1.	: 3431 N : 4937 N			
Sealing Lubrication interv Lubricant amoun		: 010 : -	ι μ	- -		2331011		337 1	<b>v</b>	
Lubricant type		: M	obil Polyrex E	EM						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from the m and with to veight subjec ocess.	shaft end. olerance o	f +3dB(A).	nich	These are average of the second secon					
Rev.		Changes Summary				Performed Checke		Checke	k	Date
Performed by										
Felloimed by							1			
Checked by								Page	R	evision

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

Devi		Channes Cummers			Data	
Rev.		Changes Summary	Performed	Checked	Date	
Performed by						
Checked by				Page	Revision	
Date	29/08/2023			2/3		

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

ID	Application	Quantity	Sensina	Temperature		
1	Winding	Type Thermistor - 2 wires	1 x Phase		155 °C	
1	Winding		TXTHase		00 0	
					γ	
Rev.	Chan	ges Summary	Performed	Checked	Date	
	T					
Performed by						
Checked by				Page	Revision	
Date	29/08/2023			3/3		

Шед