# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Product line		: W22 NEMA Premium Efficiency Product code : 11452806 Three-Phase								
Frame	: 182/4T			Cooling me	ethod		: IC411 - TEFC			
Insulation class	: F			Mounting			: F-1			
Duty cycle	: Cont.(S1)			Rotation <sup>1</sup>			: Both (CW and CCW)			
Ambient tempera	: -20°C to +40°C			Starting method				t On Line		
Altitude		: 1000 m.a.s.l.			Approx. weight <sup>3</sup>			: 36.0 kg		
Protection degree		: IP55			Moment of inertia (J) : 0.0243 kgm <sup>2</sup>					
Design	-	: B				(	- /			
Output [HP]			1.5		1.5		1.5		1.5	
Poles		8		8			8		8	
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		5.68/2.84		3.10			3.13		3.11	
L. R. Amperes [A]		33.5/16.8		15.5			17.2		18.7	
LRC [A]		5.9x(Code L)		5.0x(Code J)			5.5x(Code K)		6.0x(Code L	)
No load current [A]		4.20/2.10		2.00			2.30		2.50	,
Rated speed [RPM]		860		700			705		710	
Slip [%]		4.44		6.67			6.00		5.33	
Rated torque [kgfm]		1.25		1.52			1.51		1.51	
_ocked rotor torque		229			210		240		260	
					210				200	
Breakdown torque [%] Service factor		290 1.25			1.00		240		1.00	
					1.00 80 K		1.00		80 K	
Temperature rise		80 K		20- (-		4) <u>00</u>	80 K 30s (cold) 17s (hot)			(1 4
_ocked rotor time		30s (cold) 17s (hot)			cold) 17s (ho	1) 309			30s (cold) 17s (	
Noise level <sup>2</sup>	25%	50.0	) dB(A)	4	6.0 dB(A)		46.0 dB(	<u>A)</u>	46.0 dB(A)	
Efficiency (%)	50%	-	76.0		74.0		74.5		73.5	
	75%	78.0			76.0		74.5		75.5	
	100%				76.0				76.0	
	25%	1	78.5		77.0		76.9		76.9	
					0.54		0.47		0.44	
Power Factor	50%	0.43			0.51		0.47		0.44	
	75%	0.54			0.62		0.58		0.55	
	100%		0.62		0.70		0.66		0.64	
Losses at normati				n percer			-			
		,9;1,0)	25.9		28.3		28.4		28.4	
		,5;1,0)	20.5		22.4		22.5		22.5	
		25;1,0)	18.6		20.3		20.4		20.4	
Losses (%)		,9;0,5)	18.4		20.1		20.2		20.2	
		,5;0,5)	13.2			ł	14.4		14.4	
			5;0,25) 11.6		12.7		12.8		12.8	
	P7 (0,2	25;0,25)	8.8		9.6		ļ (	9.7	9.7	
1		Drive e	end Non dr	ive end	Foundation loads					
Bearing type		: 6207		06 ZZ	Max. traction			: 68 kgf		
Sealing		: V'R		Ring	Max. compression			: 104 kgf		
Lubrication interv	al	· · ·	viting viting					. to t kgi		
Lubricant amount										
Lubricant type		: M	obil Polyrex E	M						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w	d. otor from the m and with t	shaft end. olerance o	f +3dB(A).	nich					sts with sinusoida stipulated in NE	
manufacturing pro		r to change	יס מונכו							
Rev.		Changes Summary			Performed		ned	Checke	d Date	
		Changes Cumillary			F		-			
Performed by					I					
Checked by								Page	Revisio	on
	20/10/202							1 / 6		
Date								1/6		

Шеq

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

#### DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer

Notes USABLE @208V 5.97A SF 1.15 SFA 6.87A

:

Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	20/10/2024			2/6	

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



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.

Three Phase Induction Motor - Squirrel Cage

:



Customer



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

Three Phase Induction Motor - Squirrel Cage

:

Customer



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

Three Phase Induction Motor - Squirrel Cage

:



Customer



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