



• PROJECT: AVANTE 2200
 • SHIPYARD: NAVANTIA S.A.
 • SYSTEM: HVAC



DATA SHEET				
Customer		: WEG IBERIA INDUSTRIAL S.L.		
Product line		: W22 - IE1 Standard Efficiency Multitensão		
Frame	: 180L	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: B3T	
Duty cycle	: S1	Direct of rotation ¹	: Both	
Ambient temperature	: -20 °C to +60 °C	Starting method	: Direct on line	
Altitude	: 1000 m.a.s.l	Approx. weight ³	: 172 kg	
Degree of protection	: IP55	Moment of inertia (J)	: 0.1653 kgm ²	
Design	: N			
Output	25 kW	25 kW	22 kW	
Poles	4	4	4	
Frequency	60 Hz	60 Hz	60 Hz	
Rated voltage	440 V	460 V	460 V	
Rated current	41.3 A	40.4 A	36.4 A	
L. R. Amperes	273 A	267 A	266 A	
LRC (p.u.)	6.6 x Code G	6.6 x Code G	7.3 x Code H	
No load current	16.0 A	17.6 A	17.6 A	
Rated speed	1760 rpm	1765 rpm	1770 rpm	
Slip	2.22 %	1.94 %	1.67 %	
Rated torque	136 Nm	135 Nm	119 Nm	
Locked rotor torque	220 %	240 %	270 %	
Breakdown torque	260 %	290 %	330 %	
Service factor	1.00	1.00	1.00	
Temperature rise ⁴	85 K (SF 1.00)	85 K (SF 1.00)	85 K (SF 1.00)	
Noise level ²	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
Locked rotor time	10 s (hot)	10 s (hot)	10 s (hot)	
	18 s (cold)	18 s (cold)	18 s (cold)	
Efficiency (%)	50%	90.9	90.4	
	75%	91.4	91.3	
	100%	91.2	91.3	
Power factor	Start	0.46	0.46	
	50%	0.73	0.69	
	75%	0.82	0.79	
	100%	0.87	0.85	
Bearing type	Drive end : 6311-ZZ-C3 Non drive end : 6211-ZZ-C3	Foundation loads	Maximum traction : 5717 N Maximum compression : 7404 N	
Lubrication interval	-			
Lubricant amount	-			
Lubricant type	MOBIL POLYREX EM			
Standards	Specification	: IEC 60034-1	Vibration	: IEC 60034-14
	Tests	: IEC 60034-2	Tolerance	: IEC 60034-1
	Noise	: IEC 60034-9		
This revision replaces and cancels the previous one, which must be eliminated.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.		
(1) When viewed from the drive end.				
(2) Measured at 1m and with tolerance of +3dB(A).				
(3) Approximate weight subject to changes after manufacturing process.				
(4) At the rated point.				
Rev.	Summary of changes	Performed	Checked	Date
Performed by				
Checked by				
Date	19/07/2019			