

FAN-VEN02004:

CMR-625-2T 60HZ



Extremely robust medium pressure, single inlet centrifugal fans fitted with a backward-curved impeller.

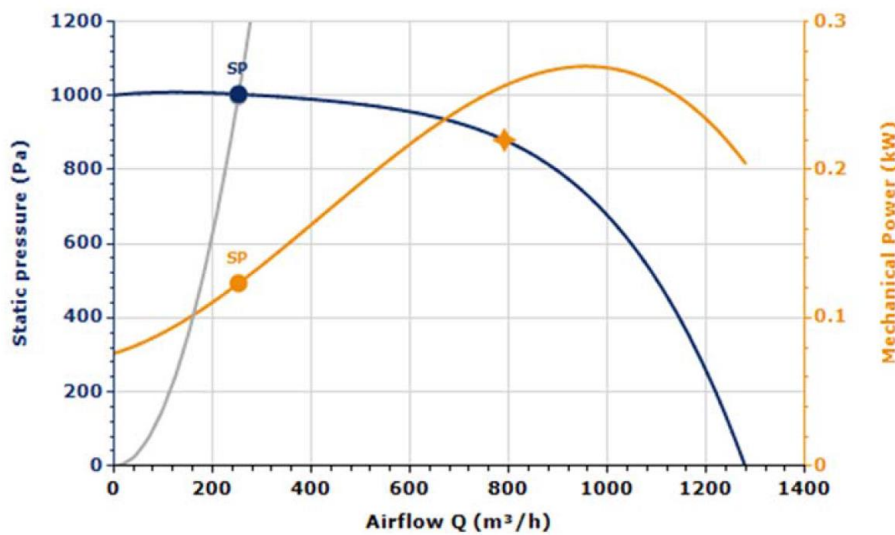
Fan:

- Sheet steel casing.
- Impeller with reaction blades in extremely robust sheet steel.

Finish:

- Anticorrosive finish of polyester resin polymerised at 190 °C. previously degreased with phosphate-free nanotechnological treatment.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



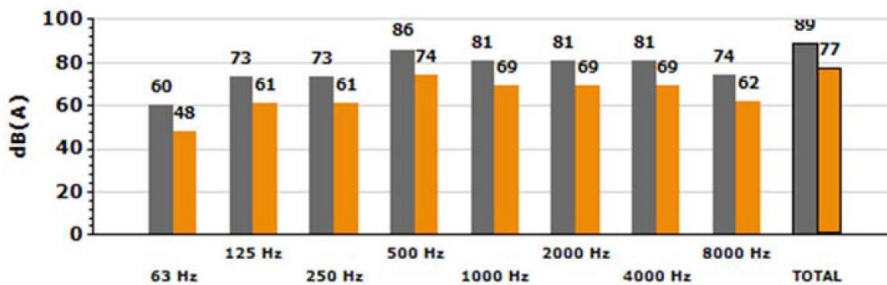
Design Point

Q (m ³ /h)	252
Ps (Pa)	998

Service Point (SP)

Q (m ³ /h)	252.76
Ps (Pa)	1004.02
Pd (Pa)	3.7726
Pt (Pa)	1007.79

Acoustics: Inlet, 1.50 (m), 1 plane



Band	Lw dB(A)	Lp dB(A)
63 Hz	60	48
125 Hz	73	61
250 Hz	73	61
500 Hz	86	74
1000 Hz	81	69
2000 Hz	81	69
4000 Hz	81	69
8000 Hz	74	62
TOTAL	89	77



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



DATA SHEET				
Three Phase Induction Motor - Squirrel Cage				
Customer :				
Product line : Standard Alumínio Multimontagem Multitensão (Centro 6100)		Product code : 14980520		
Frame : 80	Insulation class : F	Duty cycle : S1	Ambient temperature : -20 °C to +45 °C	Altitude : 1000 m.a.s.l
Degree of protection : IP55	Design : N	Cooling method : IC411 - TEFC	Mounting : B14T	Direct of rotation ¹ : Both
Starting method : Direct On Line	Approx. weight ³ : 8.3 kg	Moment of inertia (J) : 0.0006 kgm ²		
Output	0.85 kW	0.85 kW	0.75 kW	
Poles	2	2	2	
Frequency	60 Hz	60 Hz	60 Hz	
Rated voltage	440 V	460 V	460 V	
Rated current	1.91 A	1.92 A	1.75 A	
L. R. Amperes	9.55 A	9.60 A	9.45 A	
LRC (p.u.)	5.0 x Code H	5.0 x Code H	5.4 x Code J	
No load current	1.25 A	1.40 A	1.35 A	
Rated speed	3380 rpm	3400 rpm	3435 rpm	
Slip	6.11 %	5.56 %	4.58 %	
Rated torque	2.40 Nm	2.39 Nm	2.09 Nm	
Locked rotor torque	220 %	240 %	270 %	
Breakdown torque	230 %	260 %	300 %	
Service factor	1.00	1.00	1.15	
Temperature rise ⁴	100 K	100 K	100 K	
Noise level ²	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	
Locked rotor time	9 s (hot)	9 s (hot)	9 s (hot)	
	16 s (cold)	16 s (cold)	16 s (cold)	
Efficiency (%)	50%	69.0	66.0	65.0
	75%	73.0	72.0	70.0
	100%	73.0	73.0	72.5
Power factor	Start	0.73	0.73	0.73
	50%	0.63	0.52	0.49
	75%	0.72	0.66	0.63
	100%	0.80	0.76	0.74
Bearing type	Drive end 6204-ZZ	Non drive end 6203-ZZ	Foundation loads	
Lubrication interval	-	-	Maximum traction : 170 N	
Lubricant amount	-	-	Maximum compression : 252 N	
Lubricant type	MOBIL POLYREX EM			
This revision replaces and cancels the previous one, which must be eliminated. (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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.	
Rev.	Summary of changes		Performed	Checked
Performed by			182632/2020-T	
Checked by				
Date				