

FAN-VEN01023 (SPARK RESISTANT):

CMR-625-2T 60HZ



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

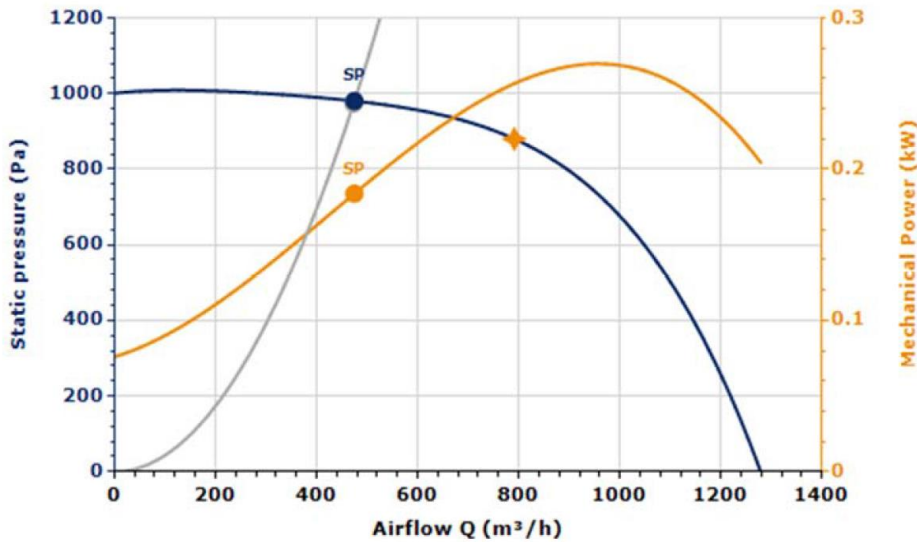
Fan:

- Sheet steel casing.
- Impeller with reaction blades in extremely robust sheet steel.
- Non-sparking inlet ring made of copper or aluminium.

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



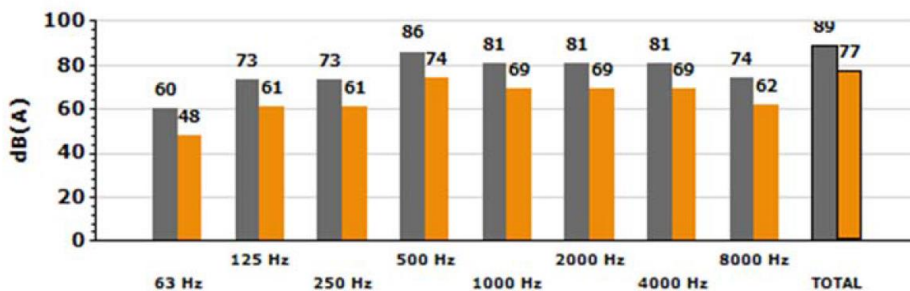
Design Point

Q (m ³ /h)	473
Ps (Pa)	974

Service Point (SP)

Q (m ³ /h)	474.64
Ps (Pa)	980.76
Pd (Pa)	13.30
Pt (Pa)	994.07

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					
Customer :					
Product line : Standard Alumínio Multimontagem Multitensão (Centro 6100)		Product code : 14980520			
Frame : 80	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : B14T		
Duty cycle : S1	Ambient temperature : -20 °C to +45 °C	Direct of rotation ¹ : Both	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l	Degree of protection : IP55	Approx. weight ² : 8.3 kg	Moment of inertia (J) : 0.0006 kgm ²		
Design : N					
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	
	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads		
Bearing type	6204-ZZ	6203-ZZ	Maximum traction	: 170 N	
Lubrication interval	-	-	Maximum compression	: 252 N	
Lubricant amount	-	-			
Lubricant type	MOBIL POLYREX EM				
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					182632/2020-T
Checked by					
Date					