

## FAN-VEN01032 (SPARK RESISTANT):

### CMP-616-2T 60HZ



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

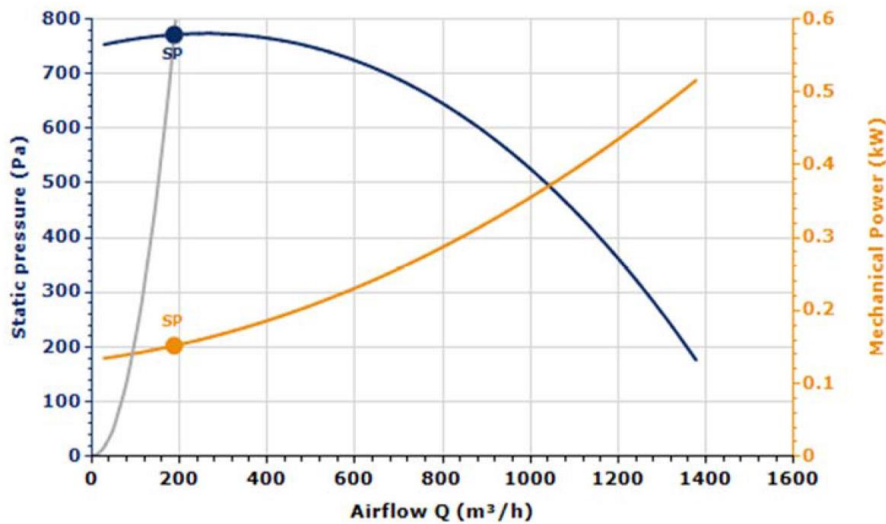
Fan:

- 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 AT 1.2KG/M<sup>3</sup>



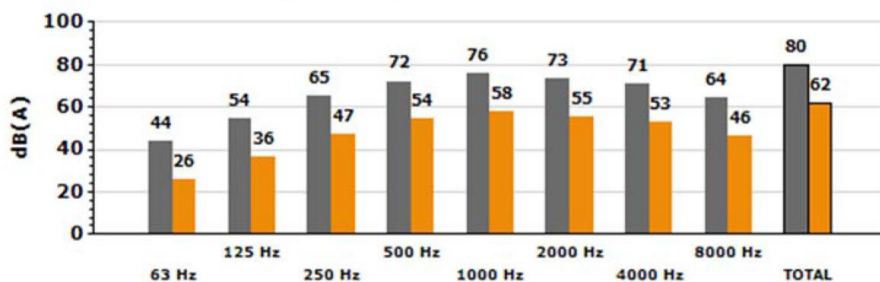
#### Design Point

Q (m <sup>3</sup> /h)	188
Ps (Pa)	770

#### Service Point (SP)

Q (m <sup>3</sup> /h)	188.21
Ps (Pa)	771.74
Pd (Pa)	9.70
Pt (Pa)	781.45

Acoustics: Inlet, 3 (m), 1 reflecting plane



Band	Lw dB(A)	Lp dB(A)
63 Hz	44	26
125 Hz	54	36
250 Hz	65	47
500 Hz	72	54
1000 Hz	76	58
2000 Hz	73	55
4000 Hz	71	53
8000 Hz	64	46
TOTAL	80	62



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



ISO 9001  
 ISO 14001  
 OHSAS 18001  
 BUREAU VERITAS  
 Certification



## DATA SHEET



### Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Standard Alumínio Multimontagem Multitensão (Centro 6100)		Product code : 14980426			
Frame : 71	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 <sup>1</sup> : Both		
			Starting method : Direct On Line		
			Approx. weight <sup>3</sup> : 7.3 kg		
			Moment of inertia (J) : 0.0003 kgm <sup>2</sup>		
Output	0.62 kW	0.62 kW	0.55 kW		
Poles	2	2	2		
Frequency	60 Hz	60 Hz	60 Hz		
Rated voltage	440 V	460 V	460 V		
Rated current	1.32 A	1.26 A	1.13 A		
L. R. Amperes	6.73 A	6.93 A	6.78 A		
LRC (p.u.)	5.1 x Code G	5.5 x Code H	6.0 x Code J		
No load current	0.650 A	0.730 A	0.730 A		
Rated speed	3315 rpm	3345 rpm	3375 rpm		
Slip	7.92 %	7.08 %	6.25 %		
Rated torque	1.79 Nm	1.77 Nm	1.56 Nm		
Locked rotor torque	240 %	270 %	310 %		
Breakdown torque	260 %	290 %	330 %		
Service factor	1.00	1.00	1.15		
Temperature rise <sup>4</sup>	100 K	100 K	100 K		
Noise level <sup>2</sup>	60.0 dB(A)	60.0 dB(A)	60.0 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%	65.4	64.0		
	75%	68.0	70.5		
	100%	69.5	71.0		
Power factor	Start	0.83	0.83		
	50%	0.73	0.69		
	75%	0.85	0.81		
	100%	0.89	0.87		
Bearing type	Drive end : 6203-ZZ	Non drive end : 6202-ZZ	Foundation loads		
Lubrication interval	-	-	Maximum traction : 160 N		
Lubricant amount	-	-	Maximum compression : 232 N		
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			182631/2020-T		
Checked by					
Date					