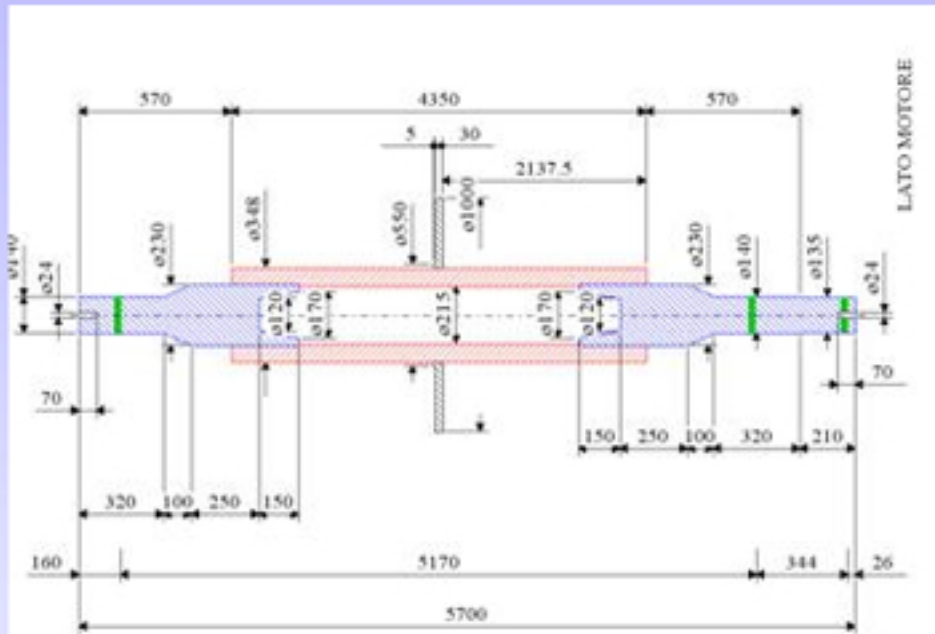




Design and calculation with "Blower"



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Blower software interface showing a list of fan models and a performance graph for the selected CTC 2000 model.

SERIES OF FANS

- Low pressure
- medium pressure
- high pressure
- Dusty or long fibered fluids
- all series

Selected fan: **CTC 2000**

name	rpm	Hsta	Hdyn	Nabs	Eff	Lpa	Q	N'
	[rpm]	[Pa]	[Pa]	[W]	[%]	[dB(A)]		
CTC 1120	1880	3000	1728.5	200.97	65.4	99.2	1/	1
CTC 1250	1452	3000	1134	158.75	72.4	94.9	2/	2
CTC 1400	1138	3000	707.98	127.67	80.7	91.1	3/	3
CTC 1600	919	3000	464.51	111.89	86.1	88.4	4/	4
CTC 1800	758	3000	284.89	104.97	87	87.7	5/	5
CTC 2000	642	3000	178.58	102.01	86.6	87.5	6/	6
CTC 2250	553	3000	100.29	102.6	84	88.2	7/	7
CTC 2500	490	3000	66.616	106.88	79.8	89.6	8/	8
NFR 1250	1433	3000	315.83	120.21	76.7	91.5	9/	9
NFR 1400	1153	3000	200.87	111.47	79.8	90.1	10/	10
NFR 1600	924	3000	115.02	102.69	84.3	88.1	11/	11
NFR 1800	795	3000	72.917	104.61	81.6	88.9	12/	12
NFR 2000	693	3000	47.828	110.59	76.6	90.6	13/	13

Number of solutions found: 13

Starting time: _____

Graph: CTC 2000 performance curves showing Hsta, Hdyn, Nabs, Eff, and Lpa vs. Q.

Blower software interface showing a detailed performance graph and a data table for the selected CTC 2000 model.

CTC 2000

Graph parameters:

- $Q = 10000 \text{ (m}^3/\text{s)}$
- $H_{sta} = 3086.5 \text{ [Pa]}$
- $t = 28 \text{ [}^\circ\text{C]}$
- $L_{pa} = 87.52 \text{ [dB(A)]}$
- $N_{abs} = 102.01 \text{ [kW]}$
- $Eff = 86.55 \text{ [%]}$
- 642 rpm
- 1.284 [kg/m³] Density

Graph axes: Hsta [Pa], Hdyn [Pa], Nabs [kW], Eff [%], Lpa [dB(A)] vs. VOLUME Q [m³/s] and DYNAMIC PRESSURE [Pa].

Class	Class	WDP	kg/m ³	rpm max.	°C
Class	Class	PD	GD	g/min max.	
II	S.L.	1560	813.18	28	

Distance: 1.5 m

	62	125	250	500	1000	2000	4000	8000	Lpa
	Octave bands - Banda d'ottava - Octave-band [Hz]								dB(A)
free field, in./out. conv. [dB]	87.7	90.7	86.7	84.7	83.7	78.7	78.7	78.7	87.5
free field, conv. [dB]	98.7	93.7	89.7	87.7	86.7	81.7	73.7	73.7	96.5
free field, free in./out. [dB]	93.7	96.7	92.7	90.7	89.7	84.7	76.7	76.7	93.5