

Project test	Symbol JETTEC 400/5200T	Number of pieces 1	Designer Firat Ramazano	Design company Gurvent Ventilatoren
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Comments:



JETTEC 400/5200T

duct fan

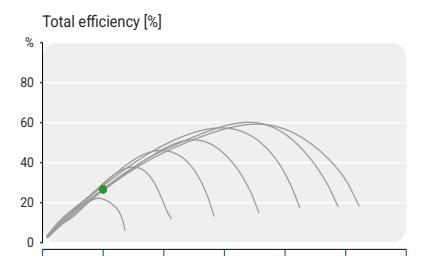
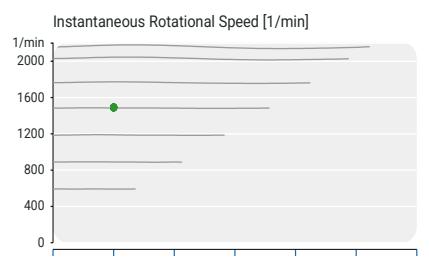
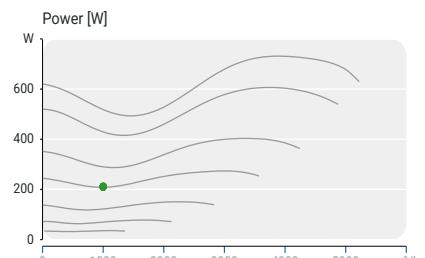
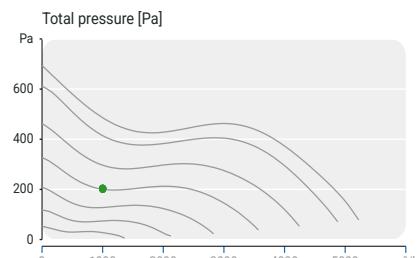
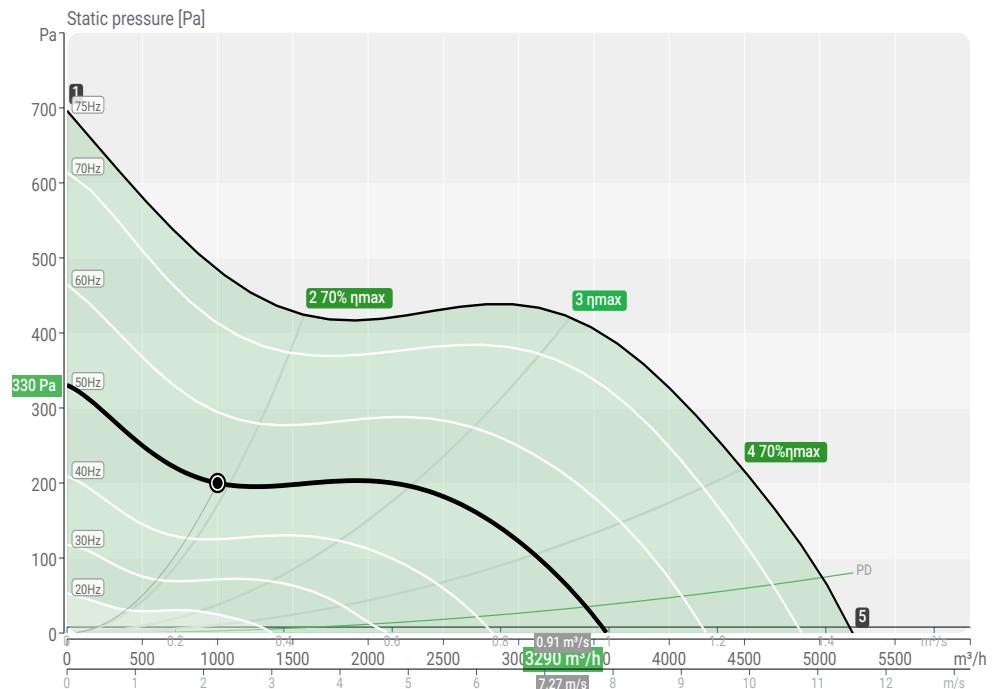
Diagonal duct fan. Thanks to unique solutions that reduce flow losses, JETTEC achieves efficiency up to 50% higher than standard duct fans and up to 30% lower energy consumption.

Set operating parameters

Flow	Q	1000	m³/h
Pressure	Δp	200	Pa
Ambient temperature	t _{MED}	20	°C

Parameters at the operating point

Flow	Q	1000	m³/h
Speed	v	2.2	m/s
Static pressure	Δp _{ST}	200	Pa
Dynamic pressure	Δp _D	3	Pa
Total pressure	Δp _{TOT}	203	Pa
Absorbed power	P _{ABS}	211	W
Instantaneous Rotational Speed	n	1487	min ⁻¹
SFP	SFP	760	W/(m³/s)
Static efficiency	η _{ST}	26.3	%
Total efficiency	η _{TOT}	26.7	%
Regulation		50.2	Hz



Sound power values dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	Σ
Inlet - L _{WA5}	47	56	62	64	65	65	57	47	71
Outlet - L _{WA6}	51	59	63	70	70	68	60	51	75
Emitted - L _{WA2}	51	50	52	59	63	57	51	41	66

Sound pressure level dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	Σ
Inlet - L _{PA5}	40	49	55	57	58	58	50	40	64
Outlet - L _{PA6}	44	52	56	63	63	61	53	44	68
Emitted - L _{PA2}	44	43	45	52	56	50	44	34	59

Sound pressure level was determined for conditions of distance from the fan 3m, directional coefficient Q: 2, sound wave interference, equivalent absorption area 20m² Sabine

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Basic technical information

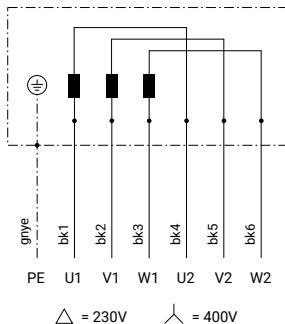
Maximum Airflow Volume	Q	5220	m³/h
Maximum Static Pressure	Δp _{MAX}	700	Pa
Nominal power	P _{NOM}	274	W
Nominal Rotational Speed	n _{NOM}	1480	min⁻¹
Nominal current	I _{NOM}	0.8	A
Nominal voltage	U _{NOM}	400	V
Number of phases	~	3	
Nominal frequency	f _{NOM}	50	Hz
Sound power level from the housing	L _{WA2}	68	dB(A)
Sound pressure level from the housing	L _{PA2}	61	dB(A)
Diameter	Ø	400	mm
Unit weight	m	18.5	kg

Technical specifications

Maximum Achievable Rotational Speed	n _{MAX}	2175	min⁻¹
Maximum power consumption	P _{MAX}	733	W
Maximum current consumption	I _{MAX}	1.3	A
Maximum operating current	I _{OPER}	1.3	A
Maximum frequency in regulation	f _{MAX}	75	Hz
Minimum operating temperature	t _{OPmin}	-20	°C
Maximum operating temperature	t _{OPmax}	60	°C
Maximum medium temperature	t _{MEDmax}	60	°C
Maximum ambient temperature	t _{AMBmax}	60	°C
Maximum medium temperature at regulation	t _{MEDmaxR}	80	°C
Maximum ambient temperature at regulation	t _{AMBmaxR}	60	°C
Capacitor capacitance	CAP	-	µF
Capacitor voltage	U _{CAP}	-	µF
Number of Motor Poles	pole	4	x
Motor type		AC	
Type of motor control		Hz	
Motor protection		-	
Motor insulation class		F	
Motor protection class		IP55	
Enclosure protection class		-	
Protection class of the device		IPX4	
Unit weight	m	18.5	kg

Designed accessories

Electrical diagram



Dimensions [mm]

