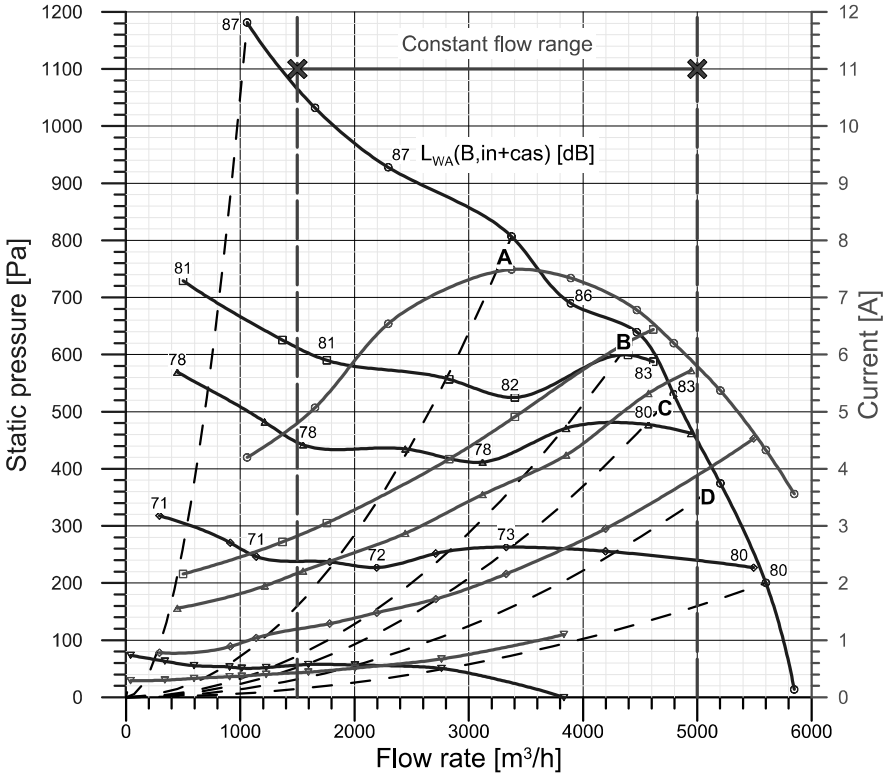
NICOTRA Gebhardt

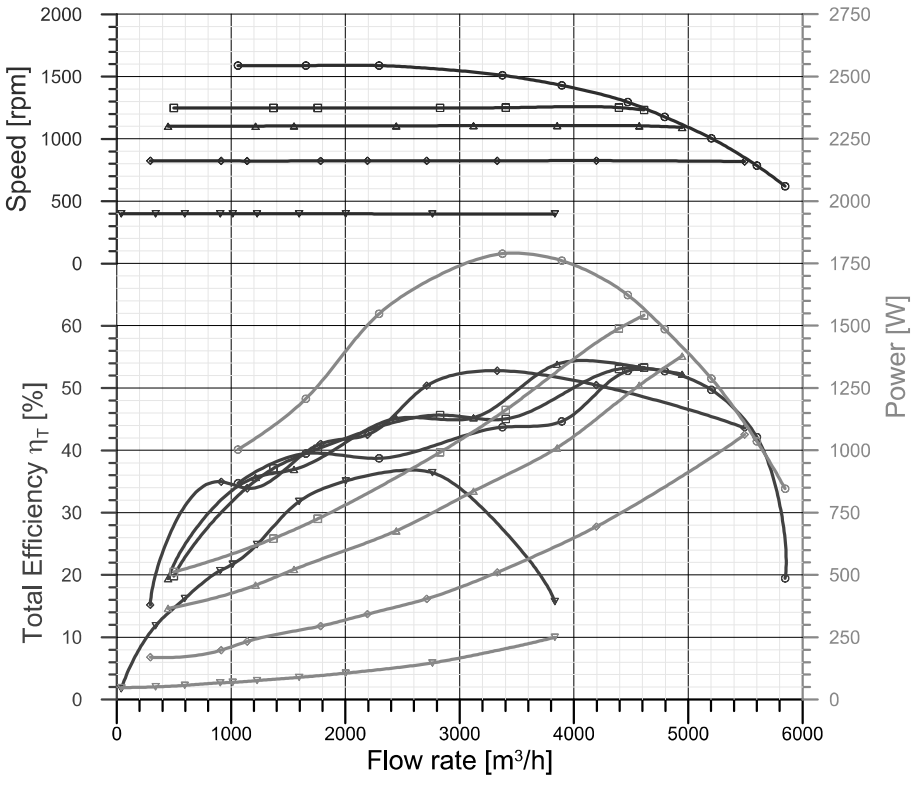
Type: DDMP 12/12 2kW 1Ph
Motor: 1416A4+1431A8

Power:	1789 W (input, max)	Protection Cl.:	IP 54 (Motor)
Poles:	8	Insulation Cl.:	F
Voltage:	220-240 V	Thermal prot.:	YES-Integral
Supply:	1~	Temp. Min:	-20 °C
Frequency:	50-60 Hz	Temp. Max:	+40 °C
Capacitor:	n.a.	Current Max:	7.49 A

Performance data referring to:
Standard air density ρ= 1.20 kg / m³
Installation type "B": free inlet, ducted outlet

Sound Power Levels shown are
Inlet-side L_{WA}(B,in+cas), A-weighted, in dBA





Integral speed-control by On-board Driver 1431A8

	qv m3/h	pfs Pa	Pe W	n rpm	I A	η_T %
○	**Maximum performance curve (10 V)**					
A	3374	807	1789	1511	7.49	43.7
B	4471	639	1623	1296	6.78	52.8
C	4794	531	1486	1177	6.20	52.7
D	5202	374	1288	1005	5.37	49.7
□	**Performance at 1250 rpm**					
A	2828	557	992	1250	4.17	45.7
B	4393	599	1489	1252	6.22	53.1
C	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
△	**Performance at 1100 rpm**					
A	2445	435	677	1105	2.87	45.1
B	3852	471	1010	1107	4.24	53.8
C	4572	477	1261	1106	5.32	53.4
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
◇	**Performance at 820 rpm**					
A	1783	237	295	824	1.29	41.1
B	2711	252	404	825	1.72	50.4
C	3327	263	510	825	2.16	52.8
D	4196	256	694	826	2.95	50.5
▽	**Performance at 400 rpm**					
A	906	53	67	399	0.36	20.7
B	1227	52	76	399	0.40	24.9
C	1596	57	89	399	0.44	31.8
D	2003	56	106	399	0.51	35.1

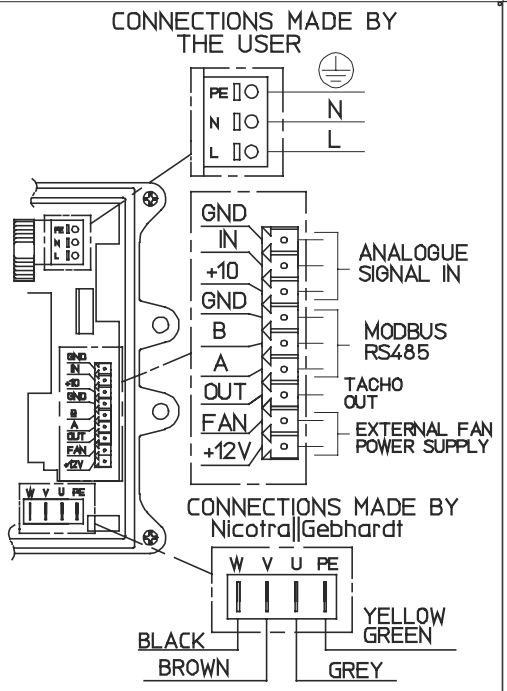
ErP Data acc. to Reg. 327/11/CE

Performance referred to the best efficiency duty point

Compl. with Reg. 327/11/EC:	Tier II (2015)
Overall Efficiency (η x Cc) [%]:	56.6
Measurement category:	B
Efficiency category:	Total
Efficiency grade N [%]:	61.6
A variable speed drive is integrated with this fan	
Manufactured since:	2016
By:	
Regal Beloit Italy S.p.A.	
Via Modena 18	
24040 Ciserano - Italy	
Power input [kW]:	1.623
Volume flow rate qv [m³/s]:	1.242
Total Pressure [Pa]:	690
Speed [rpm]:	1296
Specific ratio:	1.007
Information on:	
- Disassembly, recycling and disposal at end of life	
- Optimal installation, use and maintenance of fans	
are freely downloadable from	
www.nicotra-gebhardt.com	
Testing is carried out with the optional components of the test airway required, according to ISO 5801:2007, for the installation type detailed here on top.	

Test nr.: S5030-000/2/3/4/6

WIRING DIAGRAM

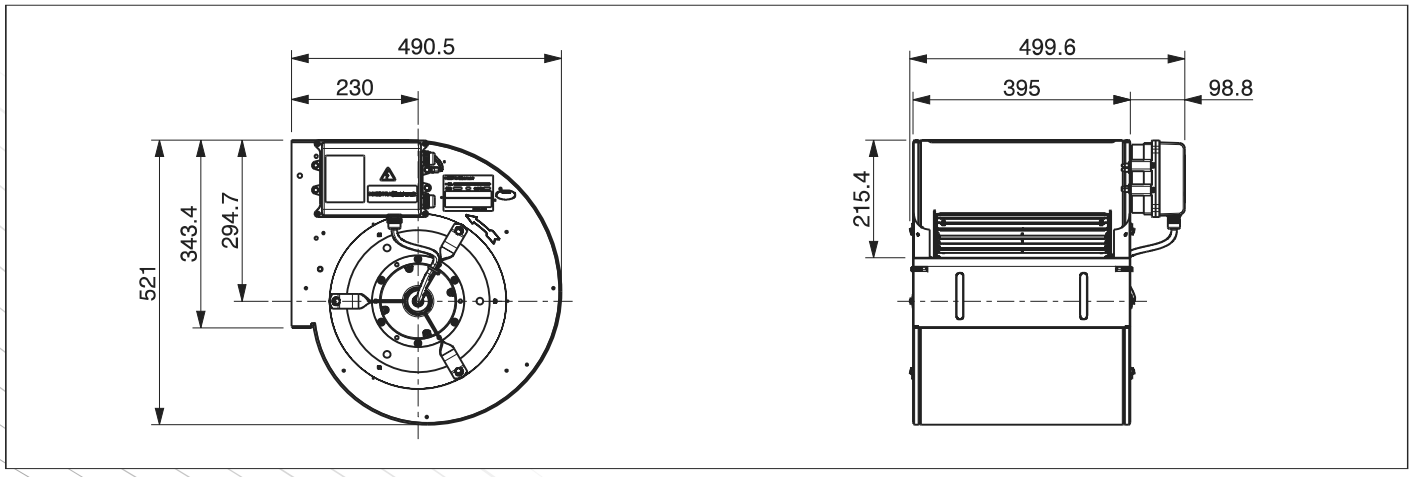


NOISE DATA

Working point		Sound power level for inlet side (Lw) in dB									
	m^3/h	63	125	250	500	1k	2k	4k	8kHz		LwA
230 V / 50 Hz	3374	81,3	91,6	92,1	82,0	80,7	75,6	71,3	64,9		87,2
F.M.W.L.	4471	72,2	88,5	89,4	80,9	79,6	72,5	68,8	62,7		85,2
	4794	70,9	85,3	86,4	78,4	77,2	71,6	67,9	61,5		82,7
	5202	76,4	82,4	85,2	75,5	74,7	70,6	67,1	60,5		80,8
230 V / 50 Hz	2828	77,9	88,0	87,1	75,3	73,0	71,1	66,5	59,2		81,7
1250 rpm	4393	70,7	86,7	89,5	77,8	75,9	71,8	67,8	61,7		83,7
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
230 V / 50 Hz	2445	73,3	85,2	82,8	72,7	70,3	67,9	66,1	55,3		78,4
1100 rpm	3852	69,3	85,4	84,0	74,5	72,0	69,0	64,9	58,0		79,5
	4572	69,8	84,4	84,8	75,0	74,1	70,4	66,3	59,9		80,5
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
230 V / 50 Hz	1783	66,3	78,6	75,5	66,5	66,0	60,6	54,3	45,6		71,8
820 rpm	2711	70,6	78,8	76,0	67,0	65,6	61,5	55,9	47,4		72,1
	3327	73,3	78,7	77,2	68,4	65,9	63,0	57,6	49,5		73,1
	4196	80,3	79,3	78,1	70,5	67,9	65,8	61,8	54,2		74,8
230 V / 50 Hz	906	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
400 rpm	1227	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	1596	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	2003	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.

DIMENSIONAL DRAWINGS

6DB0088ZZ0000000 - DDMP 12/12 M6A4 DA8



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