NICOTRA Gebhardt

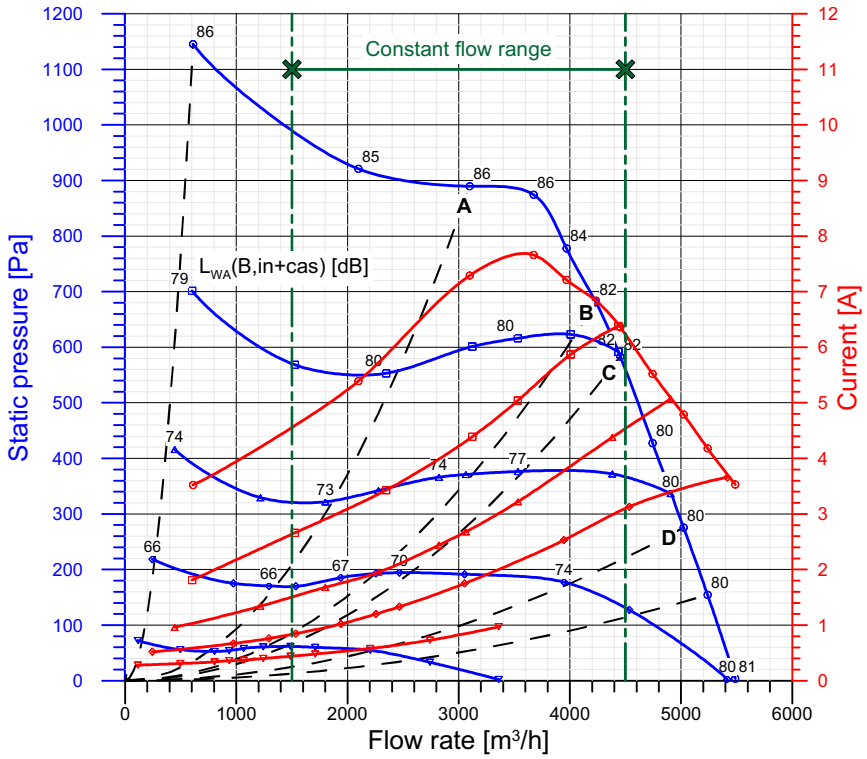
DE WIT ventilatoren

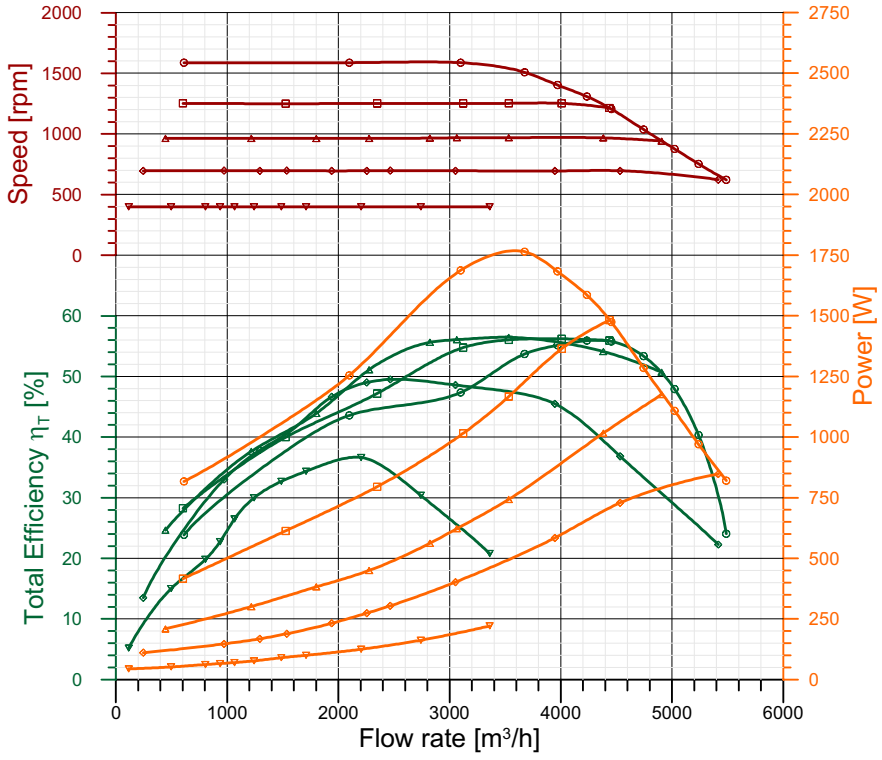
Type: DDMP 12/9 2kW 1Ph
Motor: 1416A4+1431A8

Power:	1764 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:	7.66 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





Test nr.: S5040-000/2/4/6/7

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	3099	890	1687	1588	7.29	47.4
B	4234	681	1586	1309	6.84	55.9
C	4454	583	1474	1206	6.36	55.8
D	5023	275	1108	877	4.79	47.9
□	**Performance at 1250 rpm**					
A	2348	553	795	1252	3.43	47.2
B	4008	623	1364	1253	5.87	56.2
C	4437	592	1482	1215	6.38	55.9
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
△	**Performance at 970 rpm**					
A	1801	322	382	963	1.68	43.9
B	3065	371	622	969	2.68	56.1
C	3532	376	743	970	3.22	56.5
D	4906	337	1175	942	5.07	50.7
◇	**Performance at 700 rpm**					
A	1293	170	168	697	0.76	37.9
B	2255	193	274	697	1.20	49.0
C	2467	194	304	698	1.33	49.5
D	3946	178	584	695	2.53	45.5
▽	**Performance at 400 rpm**					
A	804	53	62	399	0.34	19.8
B	1242	61	77	399	0.40	30.0
C	1487	62	90	399	0.44	32.7
D	2205	55	125	399	0.58	36.7

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) [%]:	60.1
Measurement category:	B
Efficiency category:	Total
Efficiency grade N [%]:	65.2

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

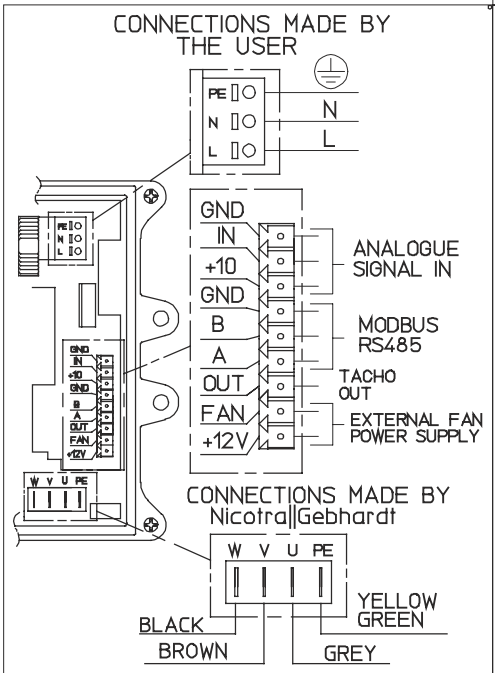
Power input [kW]:	1.586
Volume flow rate qv [m³/s]:	1.176
Total Pressure [Pa]:	755
Speed [rpm]:	1309
Specific ratio:	1.007

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.

WIRING DIAGRAM

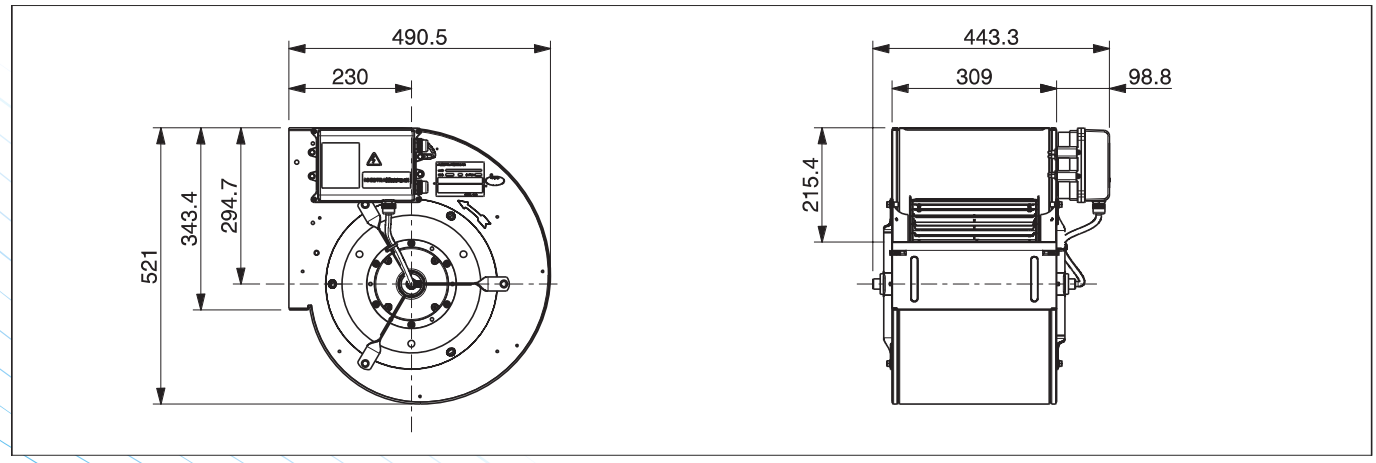


NOISE DATA

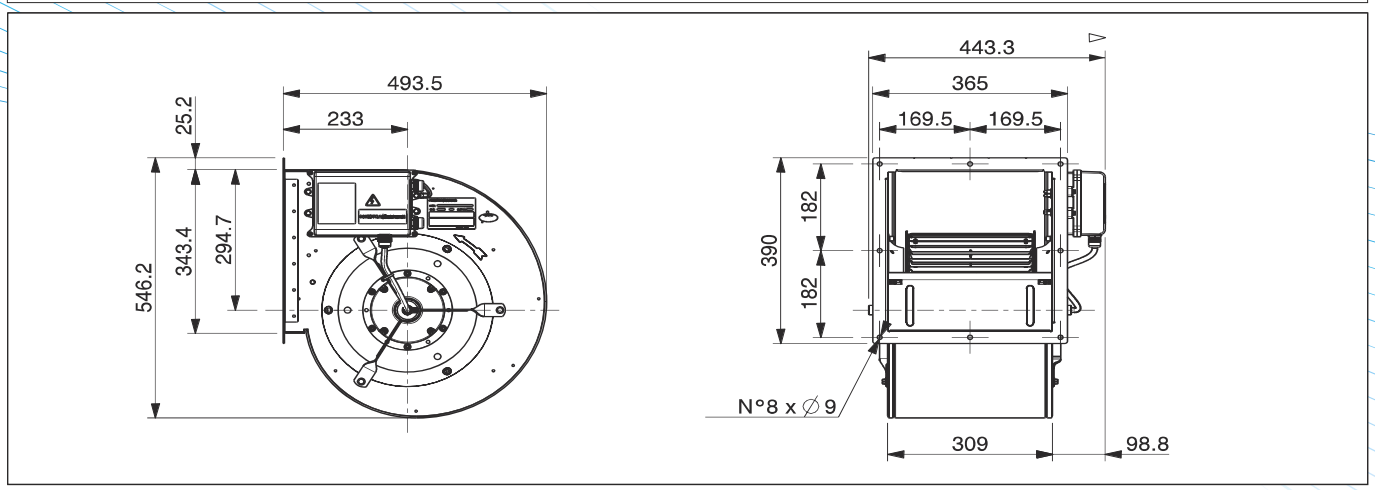
Working point		Sound power level for inlet side (Lw) in dB									
	m^3/h	63	125	250	500	1k	2k	4k	8kHz		LwA
230 V / 50 Hz	3099	78,9	88,6	91,2	82,2	77,5	74,8	71,4	65,7		86,1
F.M.W.L.	4234	70,3	83,5	84,9	78,0	76,0	73,2	69,8	63,6		82,1
	4454	69,1	84,1	84,3	78,5	77,3	72,6	69,0	62,7		82,3
	5023	75,0	88,6	77,9	74,9	74,0	72,9	70,0	63,0		80,4
230 V / 50 Hz	2348	76,7	84,4	83,9	75,5	72,0	69,6	65,6	58,8		79,7
1250 rpm	4008	70,0	82,2	84,4	77,5	76,0	72,2	68,5	62,2		81,5
	4437	73,1	83,6	84,4	78,8	75,6	72,9	69,2	62,9		81,9
	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
230 V / 50 Hz	1801	56,4	77,0	76,7	71,1	65,5	63,8	58,9	50,8		73,4
970 rpm	3065	66,3	77,6	76,8	73,4	69,1	66,4	61,9	54,4		75,5
	3532	65,9	80,4	76,5	75,9	71,6	67,9	63,4	56,1		77,3
	4906	75,2	81,0	78,5	77,6	73,3	72,6	69,2	62,6		79,9
230 V / 50 Hz	1293	63,8	69,7	68,9	63,4	58,9	56,7	48,9	37,7		66,0
700 rpm	2255	66,4	68,9	69,4	67,6	61,0	59,3	51,6	41,7		68,4
	2467	66,4	69,8	69,4	69,7	61,7	59,6	52,7	43,0		69,6
	3946	76,3	72,1	71,8	71,4	68,5	67,6	62,5	54,5		74,2
230 V / 50 Hz	804	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
400 rpm	1242	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	1487	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	2205	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.

DIMENSIONAL DRAWINGS

6DB0058ZZ0000000 - DDMP 12/9 M6A4 DA8



6DB0058ZZ0000001 - DDMP 12/9 M6A4 DA8+FL



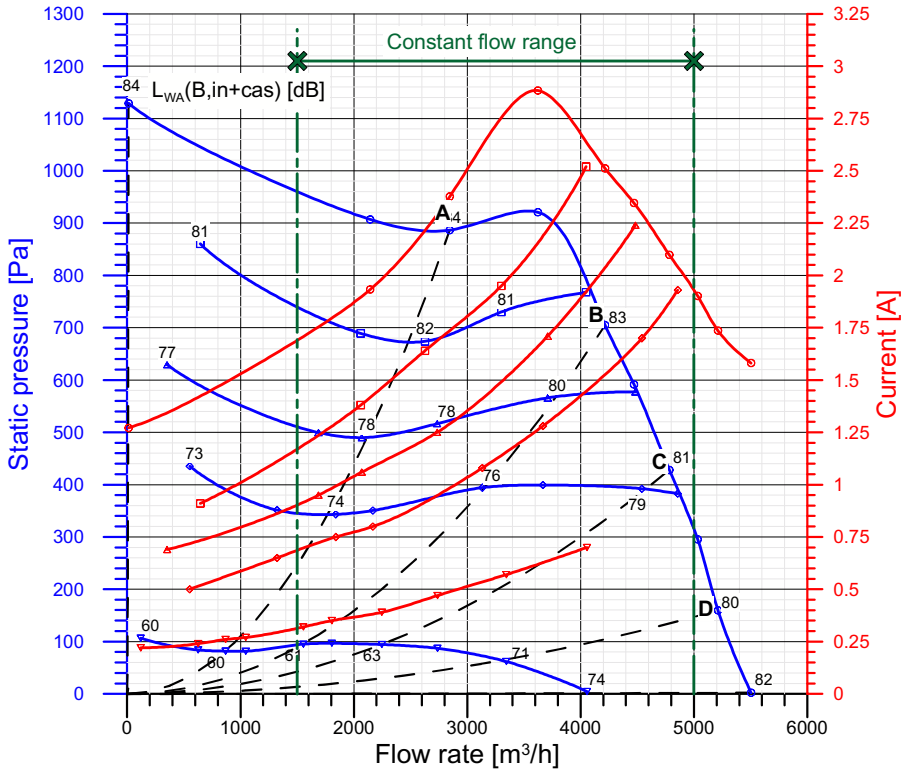
NICOTRA Gebhardt

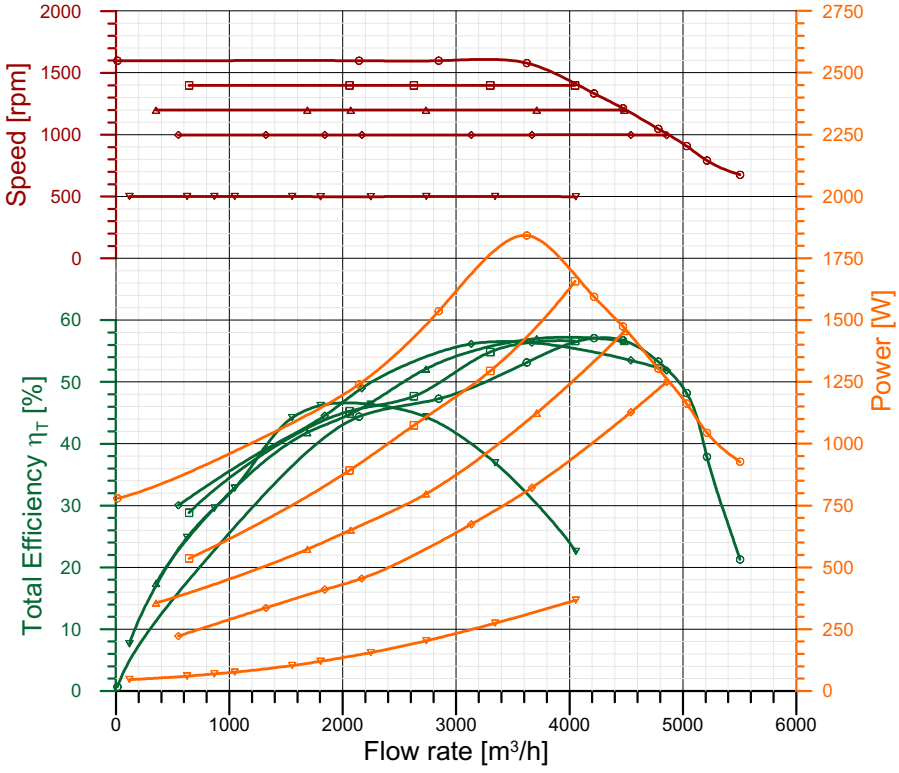
Type: DDMP 12/9 1.9kW 3Ph
Motor: 1416A4+1431G0

Power:	1850 W (input, max)	Protection Cl.:	IP 54 (Motor)
Poles:	8	Insulation Cl.:	F
Voltage:	400 V	Thermal prot.:	YES-Integral
Supply:	3~	Temp. Min:	-20 °C
Frequency:	50-60 Hz	Temp. Max:	+40(+50) °C
Capacitor:	n.a.	Current Max:	2.88 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 1431G0

	qv m3/h	pfs Pa	Pe W	n rpm	I A	η_T %
○ **Maximum performance curve (10 V)**						
A	2846	887	1536	1599	2.38	47.3
B	4216	705	1594	1334	2.51	57.1
C	4783	428	1303	1047	2.10	53.3
D	5212	160	1044	791	1.74	37.9
□ **Performance at 1400 rpm**						
A	2627	674	1074	1399	1.64	47.7
B	4049	768	1657	1398	2.52	56.6
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 1200 rpm**						
A	2070	490	651	1199	1.06	44.8
B	3710	566	1124	1199	1.71	57.0
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 1000 rpm**						
A	1841	343	410	999	0.75	44.6
B	3133	394	674	999	1.08	56.2
C	4541	392	1127	999	1.70	53.5
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
▽ **Performance at 500 rpm**						
A	868	82	69	500	0.26	29.6
B	1554	95	103	500	0.32	44.2
C	2247	94	155	499	0.39	46.4
D	3344	62	274	500	0.57	36.9

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

Performance referred to the best efficiency duty point

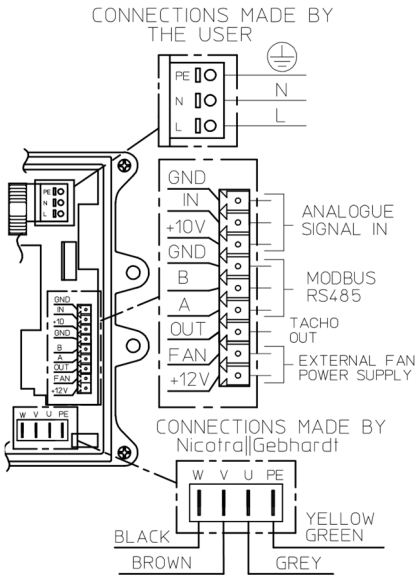
Compl. with Reg. 327/11/EC:	Tier II (2015)
Overall Efficiency (η x Cc) [%]:	61.3
Measurement category:	B
Efficiency category:	Total
Efficiency grade N [%]:	66.4
A variable speed drive is integrated with this fan	
Manufactured since:	2019
By:	
Regal Beloit Italy S.p.A.	
Via Modena 18	
24040 Ciserano - Italy	
Power input [kW]:	1.594
Volume flow rate qv [m³/s]:	1.171
Total Pressure [Pa]:	779
Speed [rpm]:	1334
Specific ratio:	1.008
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.: S5669 Date: 30/01/2019
Laboratory: Nicotra Gebhardt S.p.A. - Zingonia
Test chamber: 10000 m3/h

This test data obtained in a laboratory registered by AMCA for AMCA 210/07 air performance testing. Data is not certified by AMCA.

Produced with NG Fan Datasheet Template Ver. B-BC+FC-1.3, on 02/03/2021

WIRING DIAGRAM
SCHEMA DI COLLEGAMENTO

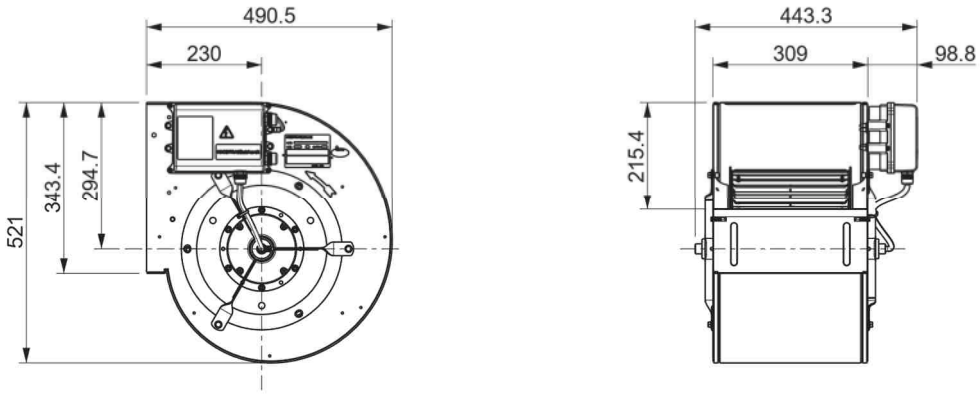


NOISE DATA
DATI DI RUMORE

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	A	2846	79	89	88	79	77	75	71	66	**84**
Fan Maximum	B	4216	70	81	84	78	78	74	70	64	**83**
Working	C	4783	72	79	77	80	77	73	69	63	**81**
Limit	D	5212	80	78	77	77	75	74	71	64	**80**
230 V / 50 Hz	A	2627	80	86	86	76	75	72	68	62	**82**
1400 rpm	B	4049	74	84	84	78	79	74	70	65	**83**
	C	n.a.	n.a.	n.a.	n.a.	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.	n.a.	n.a.	n.a.	**n.a.**
230 V / 50 Hz	A	2070	74	82	81	73	71	69	65	57	**78**
1200 rpm	B	3710	69	79	81	75	75	71	67	61	**80**
	C	n.a.	n.a.	n.a.	n.a.	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.	n.a.	n.a.	n.a.	**n.a.**
230 V / 50 Hz	A	1841	70	79	77	70	67	65	59	52	**74**
1000 rpm	B	3133	73	77	76	71	72	67	62	55	**76**
	C	4541	70	78	77	74	75	72	68	62	**79**
	D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	**n.a.**
230 V / 50 Hz	A	868	65	62	61	60	52	48	36	31	**60**
500 rpm	B	1554	64	62	62	60	54	51	40	32	**61**
	C	2247	65	62	64	61	58	56	46	39	**63**
	D	3344	75	67	69	66	65	65	58	50	**71**

DIMENSIONAL DRAWINGS
DISEGNI DIMENSIONALI

6DD0058ZZ0000000 – DDMP 12/9 1.9kW 400V-3F M6A4-DG0



6DD0058ZZ0000001 – DDMP 12/9 1.9kW 400V-3F M6A4-DG0 +FL