

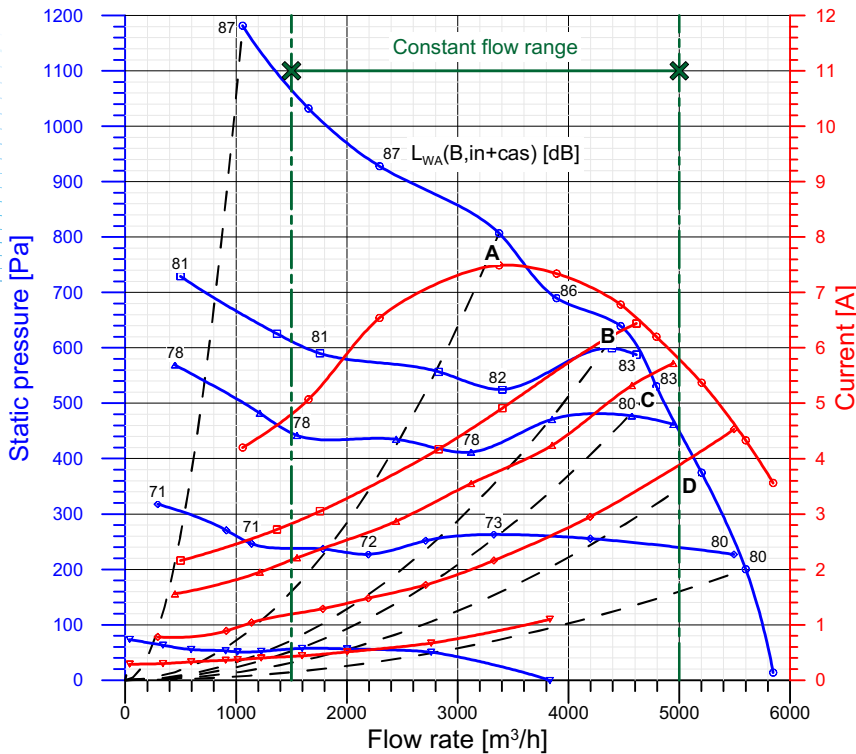
Type: DDMP 12/12 2kW 1Ph
Motor: 1416A4+1431A8

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 $\rho = 1.20 \text{ kg / m}^3$
Installation type "B": free inlet, ducted outlet

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

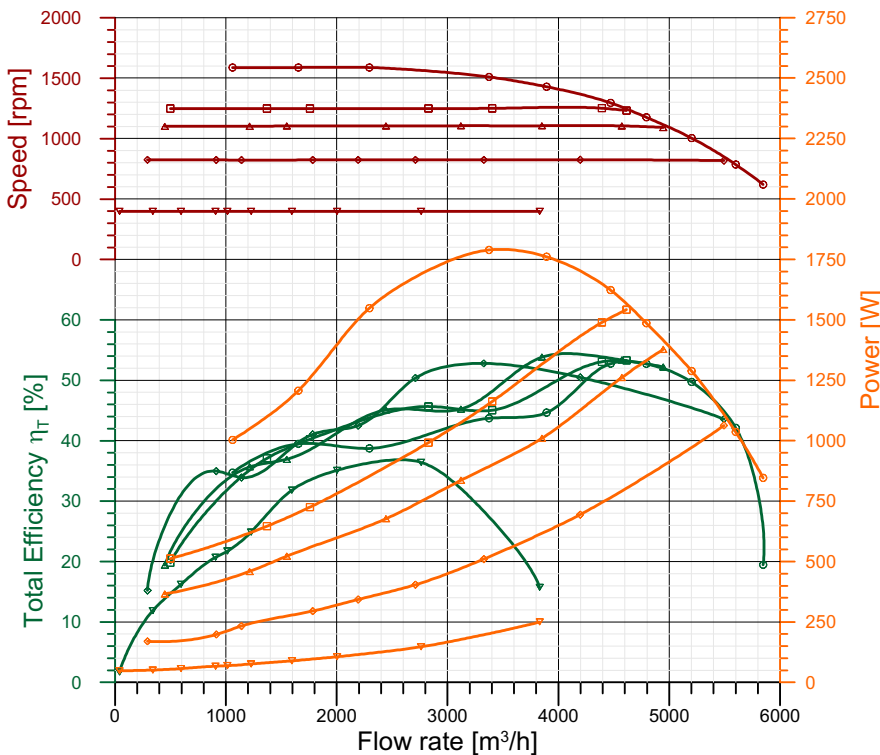
Integral speed-control by
On-board Driver 1431A8



	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

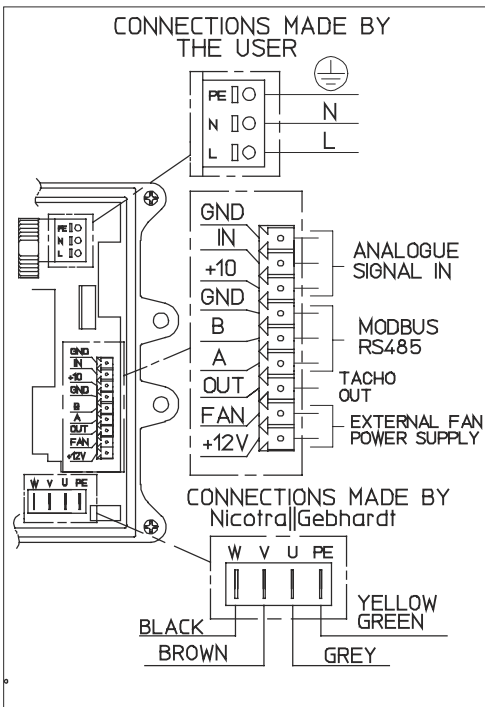
ErP Data acc. to Reg. 327/11/CE
Performance referred to the best efficiency duty point

Compl. with Reg. 327/11/EC: Tier II (2015)
Overall Efficiency ($\eta \times C_c$) [%]: 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 q_v [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

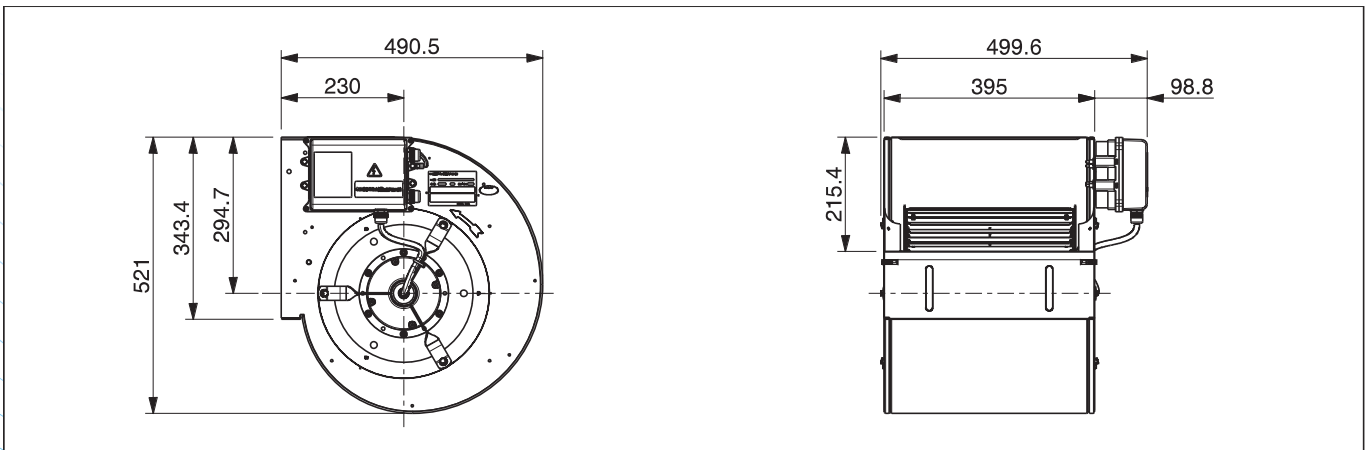


NOISE DATA

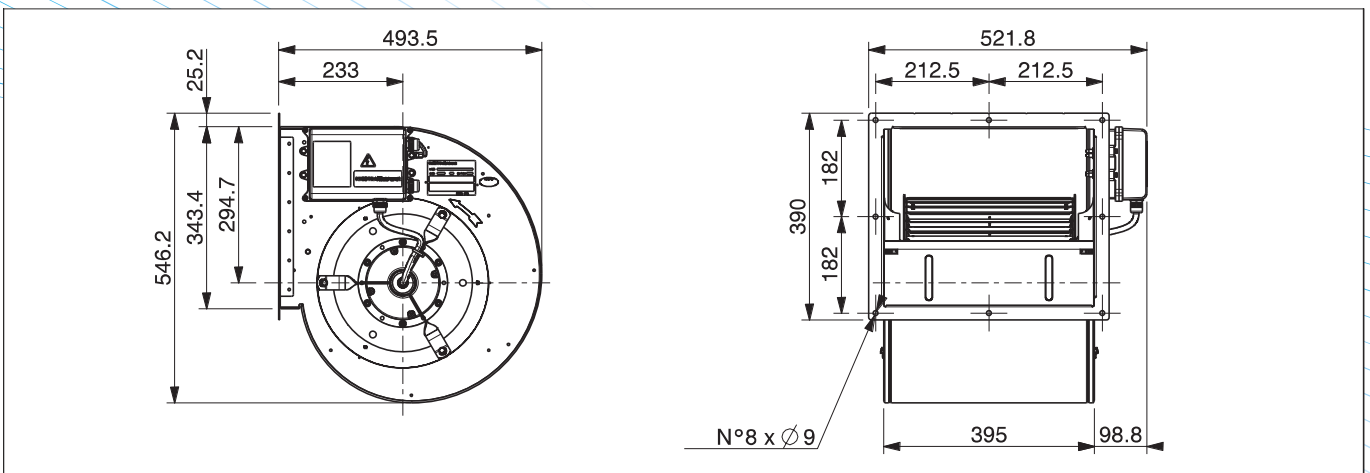
Working point	Sound power level for inlet side (L _w) in dB									
	m ³ /h	63	125	250	500	1k	2k	4k	8kHz	L _{wA}
230 V / 50 Hz	3374	81,3	91,6	92,1	82,0	80,7	75,6	71,3	64,9	87,2
F.M.W.L.	4471	72,2	88,5	89,4	80,9	79,6	72,5	68,8	62,7	85,2
	4794	70,9	85,3	86,4	78,4	77,2	71,6	67,9	61,5	82,7
	5202	76,4	82,4	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



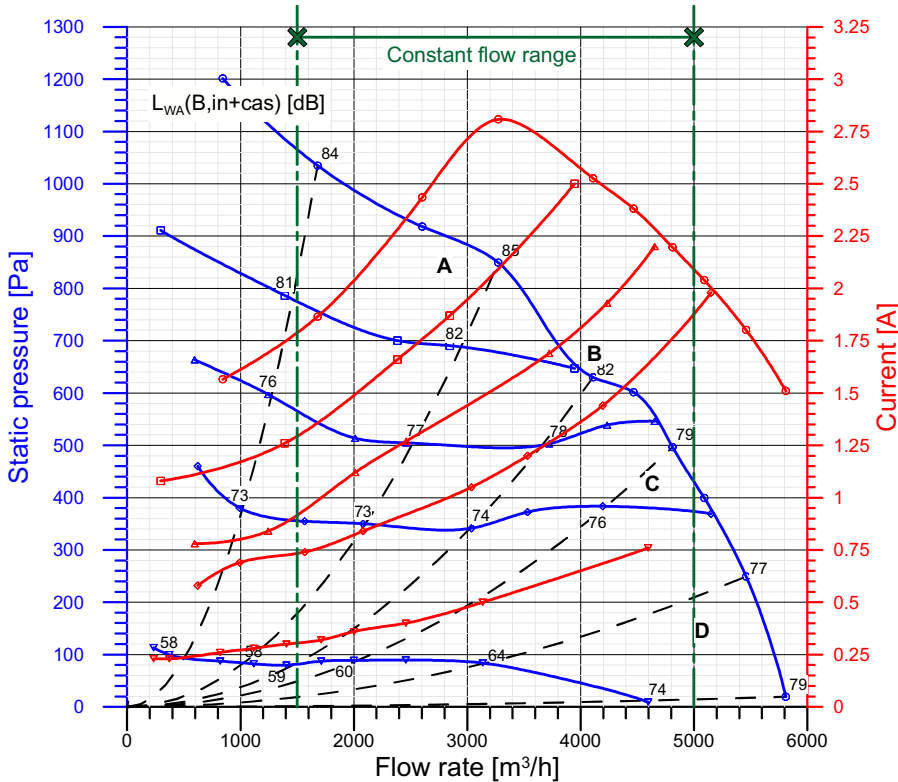
6DB0088ZZ0000001 - DDMP 12/12 M6A4 DA8+FL



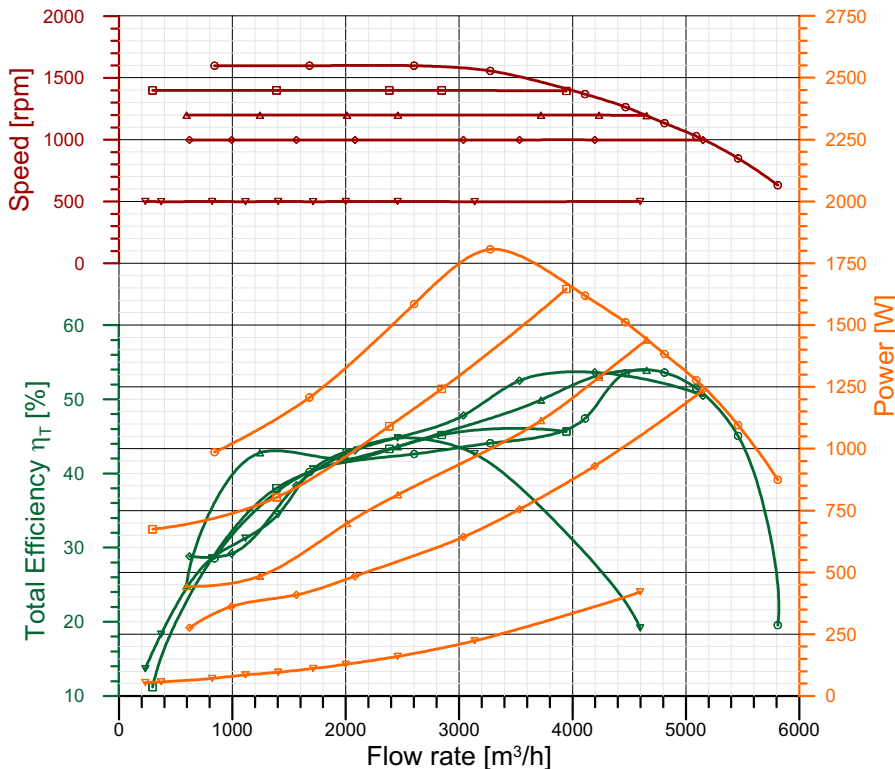
Power: 1810 W (input, max)	Protection Cl.: IP 54 (Motor)
Poles: 8	Insulation Cl.: F
Voltage: 400 V	Thermal prot.: YES-Integral
Supply: 3~	Temp. Min: -20 °C
Frequency: 50-60 Hz	Temp. Max: +40(+50) °C
Capacitor: n.a.	Current Max: 2.81 A

Performance data referring to:
Standard air density $\rho = 1.20 \text{ kg/m}^3$
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	3274	849	1806	1557	2.81	44.1
B	4110	630	1619	1369	2.53	47.4
C	4811	497	1383	1134	2.20	53.6
D	5460	249	1095	849	1.80	45.1
□ Performance at 1400 rpm						
A	2846	690	1242	1399	1.87	45.2
B	3946	647	1646	1395	2.50	45.7
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	2460	505	814	1199	1.27	43.6
B	3723	503	1114	1199	1.69	49.9
C	4653	546	1440	1196	2.20	53.9
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
◇ Performance at 1000 rpm						
A	2081	350	484	999	0.84	43.1
B	3037	341	643	999	1.05	47.8
C	4195	384	930	999	1.44	53.6
D	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
▽ Performance at 500 rpm						
A	1116	82	85	499	0.28	31.3
B	1404	80	96	500	0.30	34.5
C	2000	89	128	500	0.36	42.9
D	3136	84	223	499	0.50	42.7



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 ($\eta_T \times C_c$) [%]: 57.8
Measurement category: B
Efficiency category: Total
Efficiency grade N [%]: 63.2
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]: 1.383
Volume flow rate q_v [m³/s]: 1.336
Total Pressure [Pa]: 556
Speed [rpm]: 1134
Specific ratio: 1.005
Information on:

- Disassembly, recycling and disposal at end of life
- Optimal installation, use and maintenance of fans

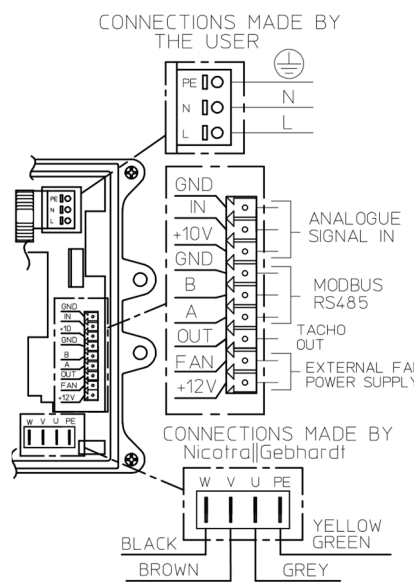
are freely downloadable from
www.nicotra-gebhardt.com

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.: S5668 Date: 30/01/2019
Laboratory: Nicotra Gebhardt S.p.A. - Zingonia
Test chamber: 10000 m³/h

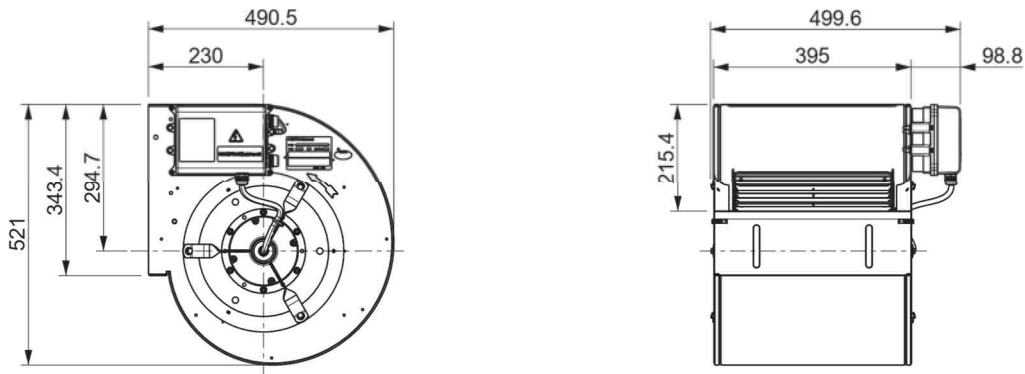
Produced with NG Fan Datasheet Template Ver. B-BC+FC-1.3, on 02/03/2021

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

WIRING DIAGRAM SCHEMA DI COLLEGAMENTO		NOISE DATA DATI DI RUMORE										
		Working point		Sound power level for inlet side (L_w) in dB								
				m ³ /h	63	125	250	500	1k	2k	4k	8kHz
230 V / 50 Hz	A	3274	82	91	91	77	76	74	70	63		85
Fan Maximum	B	4110	76	87	85	80	74	71	67	60		82
Working	C	4811	71	83	82	74	74	69	65	58		79
Limit	D	5460	77	79	80	73	70	68	65	58		77
230 V / 50 Hz	A	2846	81	88	85	81	73	71	67	60		82
1400 rpm	B	3946	81	88	85	83	76	71	68	60		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	2460	74	85	82	71	70	68	63	55		77
1200 rpm	B	3723	71	83	82	72	71	68	64	56		78
	C	4653	71	83	83	73	74	69	66	58		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	2081	70	80	77	67	66	63	58	49		73
1000 rpm	B	3037	68	79	78	68	67	64	59	50		74
	C	4195	70	80	78	71	70	66	62	54		76
	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	1116	67	63	61	56	52	46	35	30		58
500 rpm	B	1404	67	63	61	56	53	47	36	31		59
	C	2000	69	69	62	57	54	49	39	31		60
	D	3136	72	68	67	59	58	56	49	41		64

**DIMENSIONAL DRAWINGS
DISEGNI DIMENSIONALI**

6DD0088ZZ0000000 – DDMP 12/12 1.8kW 400V-3F M6A4-DG0



6DD0088ZZ0000001 – DDMP 12/12 1.8kW 400V-3F M6A4-DG0 +FL

