NICOTRA Gebhardt

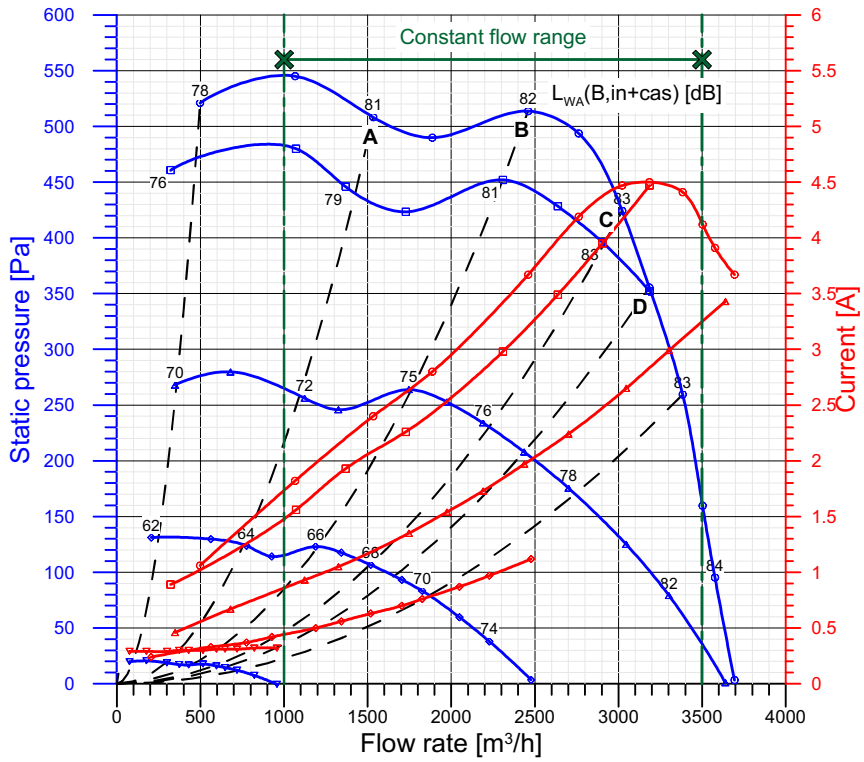
DE WIT ventilatoren

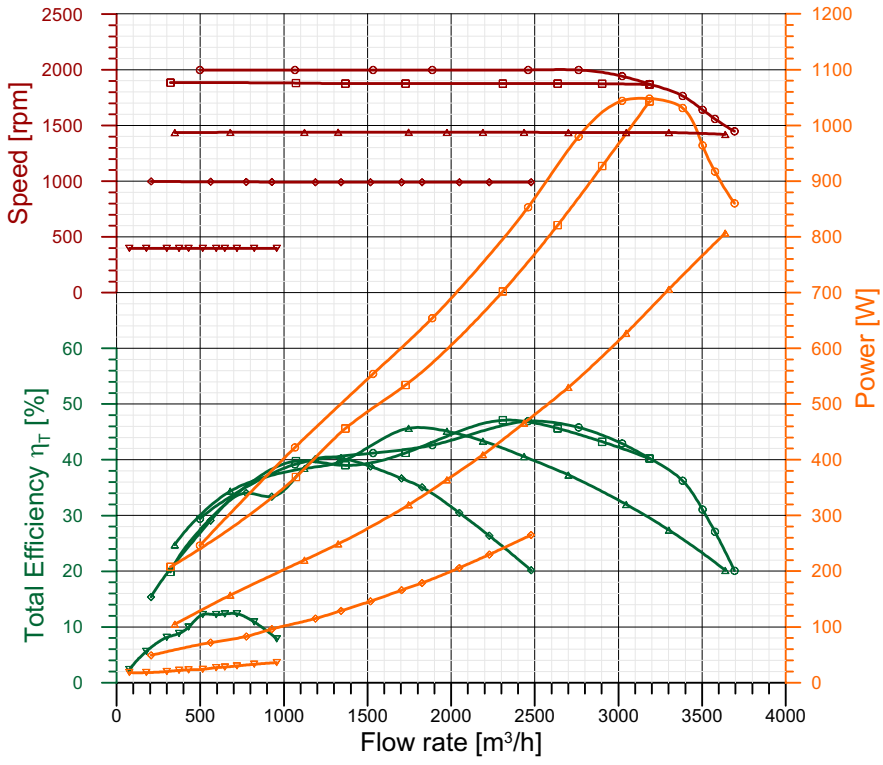
Type: DDMP 7/9 1kW 1Ph
Motor: 1416A1+1431A5

Power:	1048 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:	4.5 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.: S4944-000/1/3/5/7

Integral speed-control by On-board Driver 1431A5

	qv m3/h	pfs Pa	Pe W	n rpm	I A	η_T %
○ **Maximum performance curve (10 V)**						
A	1533	508	554	1998	2.40	41.2
B	2460	514	853	1998	3.67	46.9
C	3022	424	1044	1943	4.47	42.9
D	3185	355	1048	1872	4.50	40.3
□ **Performance at 1800 rpm**						
A	1368	446	456	1876	1.93	39.0
B	2309	452	702	1876	2.98	47.1
C	2903	396	927	1875	3.95	43.2
D	3186	352	1043	1868	4.47	40.2
△ **Performance at 1400 rpm**						
A	1123	256	220	1439	0.93	38.5
B	1746	264	319	1440	1.35	45.7
C	2190	234	409	1439	1.73	43.4
D	2436	208	466	1439	1.97	40.6
◇ **Performance at 1000 rpm**						
A	775	124	83	994	0.37	34.0
B	1189	123	115	992	0.50	40.1
C	1518	107	146	992	0.63	38.8
D	1704	93	166	991	0.70	36.7
▽ **Performance at 400 rpm**						
A	300	19	20	398	0.29	8.1
B	430	17	23	398	0.30	10.0
C	595	16	27	398	0.31	12.2
D	647	14	28	398	0.31	12.3

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

Performance referred to the best efficiency duty point

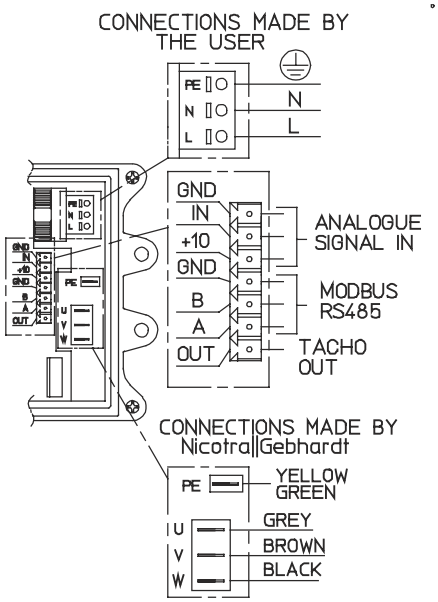
Compl. with Reg. 327/11/EC:	Tier II (2015)
Overall Efficiency (η x Cc) [%]:	51.3
Measurement category:	B
Efficiency category:	Total
Efficiency grade N [%]:	58.1
A variable speed drive is integrated with this fan	
Manufactured since:	2016
By:	
Regal Beloit Italy S.p.A.	
Via Modena 18	
24040 Ciserano - Italy	
Power input [kW]:	0.853
Volume flow rate qv [m³/s]:	0.683
Total Pressure [Pa]:	587
Speed [rpm]:	1998
Specific ratio:	1.006

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

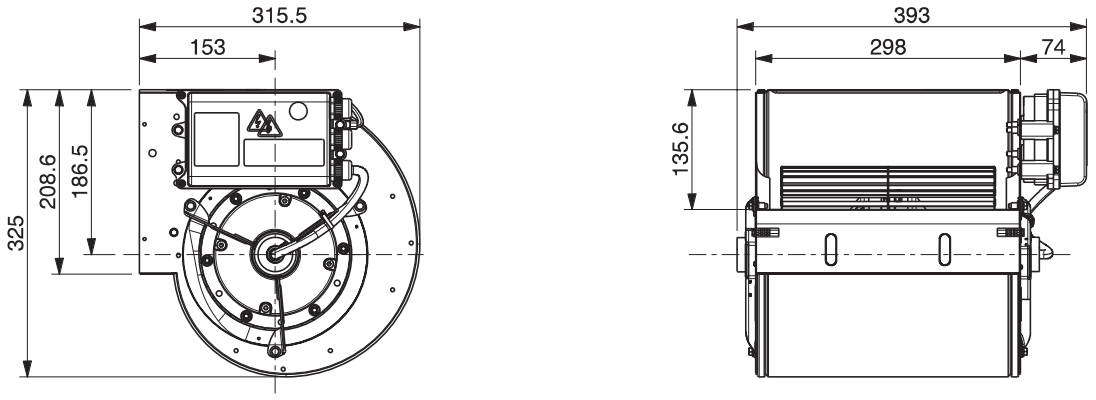


NOISE DATA

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	1533	58,0	82,8	84,3	77,9	72,0	71,0	66,7	62,5		80,6
F.M.W.L.	2460	69,8	81,0	85,2	79,8	74,3	73,5	69,0	65,5		82,2
	3022	68,1	78,1	84,5	80,6	76,5	76,0	71,4	68,2		83,4
	3185	65,4	79,2	86,4	80,3	77,1	76,1	72,1	68,7		83,9
230 V / 50 Hz	1368	57,5	81,8	83,4	76,2	70,9	69,4	65,2	60,7		79,3
1800 rpm	2309	66,4	80,0	85,1	77,7	72,7	72,4	67,6	63,9		81,0
	2903	64,6	78,3	85,2	79,7	75,5	75,1	70,6	67,2		82,8
	3186	66,3	78,0	86,9	79,9	77,5	76,3	71,9	68,6		84,0
230 V / 50 Hz	1123	58,5	75,6	75,9	69,7	64,5	63,2	58,0	52,1		72,4
1400 rpm	1746	61,1	76,3	78,5	72,1	67,6	65,8	60,9	55,6		75,0
	2190	61,4	74,8	78,5	73,4	69,8	68,3	63,7	59,2		76,4
	2436	61,1	74,7	78,3	74,6	71,3	69,7	65,3	61,0		77,4
230 V / 50 Hz	775	62,7	64,7	65,9	61,6	60,1	53,7	46,6	36,8		64,4
1000 rpm	1189	64,6	67,1	68,0	62,7	60,6	56,9	49,3	41,7		65,9
	1518	56,1	68,6	69,9	65,8	61,9	59,9	53,2	46,7		68,2
	1704	51,0	68,2	69,6	66,5	63,0	61,5	55,6	49,8		69,0
230 V / 50 Hz	300	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
400 rpm	430	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	595	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.
	647	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.

DIMENSIONAL DRAWINGS

6DA0053ZZ0000000 - DDMP 7/9 M6A1 DA5



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