

BB-30

- TEST LABORATORY -

AIRFLOW PERFORMANCE

Test n° 74 Date: 04/04/2003 Test Voltage 230 Hz: 50

Appliance: Model:
Cod. Soteco: Cod. Testata:

Motor type: SIX
Motor Cod. : SBDS10302 Cod. Soteco: 03891S

Note:

AIRFLOW PERFORMANCE - $Q = a * 0,032 * d^2 * H \text{ corr}^{0.5}$
(According to IEC312 § 5.2.8.2 Alternative B)

$a = 0,595 + 0,0776 * s/d - 0,0017 * H \text{ corr}$

Orifice mm	Input Current A	Input Power W	Speed rpm	Vacumm (H) mmH2O	Vacumm (H) mbar	KPa	AirFlow (Q) l/s - dm3/s	Output Power W	Efficiency %
50	4,82	1062		112	10,9	1,10	49,9	54,7	5,1
40	4,84	1072		241	23,6	2,36	46,8	110,3	10,3
30	4,88	1069		546	53,6	5,36	39,4	211,2	19,7
23	4,76	1046		960	94,1	9,42	30,4	286,5	27,4
19	4,52	994		1220	119,5	11,96	23,3	278,6	28,0
16	4,27	942		1418	139,0	13,91	17,8	246,8	26,2
13	3,99	883		1604	157,2	15,73	12,4	195,8	22,2
10	3,64	822		1832	179,5	17,96	7,9	141,3	17,2
6,5	3,41	760		2009	196,9	19,70	3,5	69,2	9,1
0	3,15	705		2191	214,7	21,49	0	0	0

Remarks: Measurements carried out after 1' , with saled orifice after 20"

Ambient (°C) 19,7 Atm. Press. (mmHg) : 752 RH (%) : 48,7

Air Density Ratio: 0,9905 Correction Factors in terms of air density (20°C - RH 50% - 760mmHg)

Input Power Correction Factor : 1,0032 Vacuum Correction Factor: 1,0064

Sign : M. Scorsetti

BB-40

- TEST LABORATORY -

AIRFLOW PERFORMANCE

Test n° 165 Date: 14/10/2004 Test Voltage: 230 Hz: 50

Appliance: Model:
Cod. Soteco: Cod. Testata:

Motor type: SIX
Motor Cod. : SBDS12382 Cod. Soteco: 03890S

Note: Dati rilevati da caratteristica six n°2001

AIRFLOW PERFORMANCE - $Q = a * 0,032 * d^2 * H \text{ corr}^{0.5}$
(According to IEC312 § 5.2.8.2 Alternative B)

$a = 0,595 + 0,0776 * s/d - 0,0017 * H \text{ corr}$

Orifice mm	Input Current A	Input Power W	Speed rpm	Vacuum (H) mmH2O	Vacuum (H) mbar	Vacuum (H) KPa	AirFlow (Q) l/s - dm3/s	Output Power W	Efficiency %
50	5,61	1211		133	13,0	1,30	54,4	71,0	5,9
40	5,66	1219		285	27,9	2,79	50,8	141,9	11,6
30	5,78	1248		690	67,6	6,76	44,1	298,1	23,9
23	5,65	1218		1098	107,6	10,77	32,4	349,1	28,7
19	5,35	1158		1359	133,2	13,33	24,5	326,4	28,2
16	5,04	1091		1562	153,0	15,31	18,6	284,1	26,0
13	4,59	998		1756	172,1	17,22	13,0	223,3	22,4
10	4,25	922		1935	189,6	18,97	8,1	152,9	16,6
6,5	4,00	876		2094	205,3	20,54	3,6	73,5	8,4
0	3,70	805		2328	228,1	22,83	0	0	0

Remarks: Measurements carried out after 1', with saled orifice after 20''

Ambient (°C) 20 Atm. Press. (mmHg) : 769 RH (%) : 60
Air Density Ratio: 1,0118 Correction Factors in terms of air density (20°C - RH 50% - 760mmHg)
Input Power Correction Factor : 0,9961 Vacuum Correction Factor: 0,9921

Sign : M. Scorsetti