

TEST LABORATORY

Engineering Department

TEST N°: **15265**

DATE : 20/10/2008

MOTOR TYPE : 061300447

VOLTAGE : **230** Hz : **50**

NAME :

APPLIANCE :

AIR FLOW PERFORMANCE - $Q = 0.0019 \cdot D^2 \cdot H_{corr}^{0.5}$

Orifice mm	A	Win	Win Corr.	RPM	HA mmH ₂ O	H CORR. mmH ₂ O	Q l/sec	Wout	EFF. %
48	6,68	1453	1454	21465	183	182	59,1	106	7,3
40	6,71	1459	1460	21514	348	347	56,6	193	13,2
30	6,81	1480	1481	21226	804	802	48,4	381	25,7
23	6,71	1460	1461	21321	1317	1313	36,4	469	32,1
19	6,43	1403	1404	21854	1627	1622	27,6	440	31,3
16	6,11	1337	1338	22527	1858	1852	20,9	381	28,4
13	5,62	1232	1233	23342	2049	2043	14,5	291	23,6
10	5,27	1159	1160	24603	2266	2259	9,0	200	17,3
6,5	4,76	1053	1054	25797	2436	2429	4,0	94	8,9
0	4,46	989	990	26581	2720	2712	0	0	0

REMARKS:	MEASUREMENTS CARRIED OUT AFTER 1', WITH SEALED ORIFICE AFTER 20' TEST CARRIED OUT WITH MOTOR ON MEASURING BOX
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VOLTMETER: NORMA D5135

AMPEROMETER : NORMA D5135

WATTMETER : NORMA D5135

AMBIENT °C : 25

ATM.PRESS. mmHg : 771

RH % : **38**

AIR DENSITY RATIO : 0,997

CORRECTION FACTORS IN TERMS OF AIR DENSITY (20 °C - RH50% - 760mmHg)

WINP CORRECTION FACTOR : 1,001

DEPRESSURE CORR.FACTOR H : 0,997

Sign : **I. Baggi**