AMETEK®
ITALIA S.r.l., VACUUM PRODUCTS

TEST LABORATORY

Engineering Department

TEST N° : **13930** DATE : **21/03/2007**

MOTOR TYPE : **063700003** VOLTAGE : **230** Hz : **50**

NAME : APPLIANCE :

AIR FLOW PERFORMANCE - Q = 0,0019*D^2*Hcorr^0,5

Orifice mm	A	Win	Win Corr.	RPM	HA mmH_2O	H CORR. mmH_2O	Q l/sec	Wout	EFF. %
48	5,73	1285	1290	31657	193	195	61,1	117	9,0
40	5,76	1292	1297	31566	360	363	57,9	206	15,9
30	5,78	1299	1304	31566	802	808	48,6	386	29,6
23	5,64	1270	1275	32000	1313	1324	36,6	475	37,2
19	5,35	1206	1211	32862	1637	1650	27,9	451	37,3
16	5,12	1155	1160	33780	1868	1883	21,1	390	33,6
13	4,82	1090	1094	35156	2054	2070	14,6	297	27,1
10	4,44	1005	1009	37056	2151	2168	8,8	188	18,7
6,5	4,14	941	945	38539	2284	2302	3,9	87	9,2
0	3,82	870	873	39975	2369	2388	0	0	0

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

VOLTMETER: NORMA D5135 AMPEROMETER : NORMA D5135 WATTMETER : NORMA D5135

AMBIENT °C : **18** ATM.PRESS. mmHg : **749** RH % : **33**

AIR DENSITY RATIO : **0,992**

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

WINP CORRECTION FACTOR : **1,004** DEPRESSURE CORR.FACTOR H : **1,008**

Sign : **Pandini Gian Mario**