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

TEST LABORATORY

Engineering Department

TEST N° : **13276** DATE : **05/07/2006**

MOTOR TYPE : **061300453** 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	5,20	1148	1155	19301	162	162	55,8	89	7,7
40	5,23	1155	1162	19226	307	308	53,3	161	13,9
30	5,28	1165	1172	19062	704	706	45,4	315	26,9
23	5,17	1144	1151	19165	1138	1141	34,0	380	33,0
19	4,89	1083	1089	19772	1387	1391	25,6	349	32,0
16	4,57	1012	1018	20305	1571	1575	19,3	298	29,3
13	4,23	938	944	21084	1745	1750	13,4	231	24,4
10	3,86	857	862	21833	1912	1917	8,3	157	18,2
6,5	3,55	791	796	22715	2093	2099	3,7	76	9,5
0	3,26	726	730	23481	2250	2256	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 : **27** ATM.PRESS. mmHg : **769** RH % : **40**

AIR DENSITY RATIO : **0,988**

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

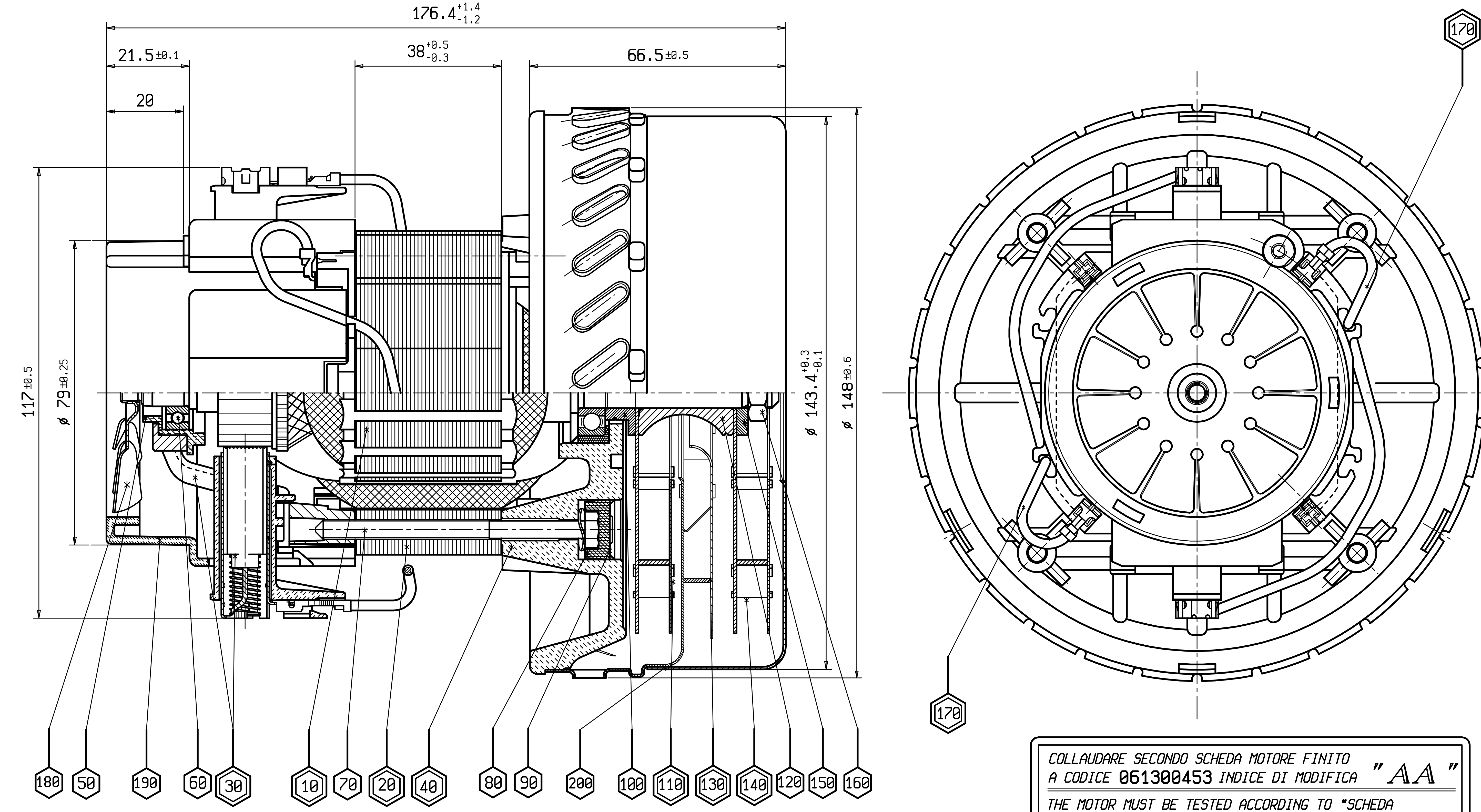
WINP CORRECTION FACTOR : **1,006** DEPRESSURE CORR.FACTOR H : **1,003**

Sign : **Paolo Cattaneo**

Armature	Insulation System: Class F
Core Assembly	Magnetic sheet iron - 0,5 mm thickness - n°12 Slot - 38mm height
Slots Insulation	Coupled sheet Dacron/Mylar/Dacron 0.29 mm thickness - Insulation class F
Core Assembly Spider Insulation	Polyester thermoplastic PBT resyn 30% fiber glass reinforced - self-exstinguish class V0
Winding	Electrolytic Copper Wire- double enamelled
Enamelled Copper Wire	Polyester-imyde - insulation class H
Commutator	Press Forging - air insulated segment - mass forcing without asbestos - insulation class F
Impregnation	Polyester resyn insulation class F
Copper Wire and Resistance	0,400 mm Diameter - 36 TPC x 2 x 12 slots – 2.550 Ω Radial Resistance
Shaft Insulation	Epoxidic resyn
Field	**Insulation System: Class F**
Core Assembly	Magnetic sheet iron - 0,5 mm thickness - 93 mm Dia. outside - 38 mm height
Slot Insulation	Coupled sheet Dacron/Mylar/Dacron 0.29 mm thickness - Insulation class F
Winding	Electrolytic Copper Wire
Enamelled Copper Wire	Polyester-imyde - Insulation class H
Copper Wire and Resistence	0,630 mm Diameter - 135 TPC – 1.570 Ω Resistance for coil
Stator Insulator with Connector	Polyester thermoplastic PBT resyn 30% fiber glass reinforced - self-exstinguish class V0
Stator Insulator without Connector	Polyester thermoplastic PBT resyn 30% fiber glass reinforced - self-exstinguish class V0
Components	
Rubber Bearing Cup	Nitrile antioil rubber - Operative temperature: 130°C
Brush Holders Body	Polyammide 66 - 30% fiber glass reinforced self extinguish class V0
Brushes	6,3 x 11,3 x 28 in Graphite
Ball Bearings	Double shielded - Lubrificated grease for high temperature
Commutator End Bracket	Alluminium alloy die-cast
Fan End Bracket	Phenolic Thermosetting Resyn
Fan Shell	Deep Draw Steel
Cooling Cover	Polypropylene 30% fiber glass reinforced self-extinguish
Leadwires	Insulation polyvinyl-chloride H.T. 90°C
Motor Insulation	**Insulation System: Class F**

Confidential documents for approvals Board - No inform outside parties without Ametek V.P.D. Approval

Signed by:	Date : 17/05/2005	Signature:
AMETEK® ITALIA S.r.l., VACUUM PRODUCTS	**MATERIAL SPECIFICATIONS**	**Motor Code: 061300453/230**



COLLAUDARE SECONDO SCHEDA MOTORE FINITO A CODICE 061300453 INDICE DI MODIFICA "AA"

THE MOTOR MUST BE TESTED ACCORDING TO "SCHEDA MOTORE FINITO" CODE 061300453 REVISION "AA"

NOTE DI LAVORAZIONE / MANUFACTURING NOTES:

LA TIMBRATURA DEL MODELLO DEVE ESSERE STAMPIGLIATA SULLO STATORE

COME DA TABELLA DI TIMBRATURA

PART NUMBER'S MODEL MUST BE STAMPING ON A FIELD WALL

ACCORDING TO STAMPING SHEET

Emis. / Issue E037-05	Diseg. / Drawn VERONESI	Data / Date 12/04/05	Verificato / Approved	Costruzione secondo P.T. / MFG According to 7020
Materiale / Material .				Durezza / Hardness .
Modifiche / Revisions	Tratt.superfic. / Surface Protect. .		AMETEK® ITALIA S.r.l., VACUUM PRODUCTS	
	Tratt.termico / Heat treatement .			
	Peso / Weight 2.250 Kg		CODICE - DWG.NO. E 0613004530.00	
	Scala / Scale 1 : 1			
	Denominazione / Title MOT.BY2 II 1000W 230V H38 D148			

CIA	
EMG (USA)	
AEM (CZK)	▶
AMS (CINA)	

GENERAL GEOMETRIC TOLERANCES FOR ELEMENTS WITHOUT SPECIFIC INDICATION "CLASS K" IN ACCORDANCE WITH UNI-EN 22768-2

GENERAL TOLERANCE FOR DIM. WITHOUT INDICATION: H13 - HOLE; h13 - SHAFT; J14 - LINEAR DIMENSION; ±30' - ANGLE VALUES

⊕ QUOTA IMPORTANTE - IMPORTANT DIMENSION

◯ QUOTA CRITICA - CRITICAL DIMENSION

△S QUOTA DI SICUREZZA / REPORT - SAFETY DIM.

All.1 Ap.3 - P.0041 0558