

General Data

Date		30/09/2015
Time		15.00
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.000
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.4
Mean test air density	[kg/m ³]	1.187
Nominal density	[kg/m ³]	1.200
Number of test points		12
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. FMWL.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1862	670	770.06	3.42	773.48	1986	1.83	0.975	423
2	0.3780	1361	733.12	14.10	747.22	1986	3.02	0.989	700
3	0.6426	2313	733.59	40.75	774.34	1986	4.32	0.995	1013
4	0.7954	2863	794.49	62.36	856.85	1986	5.35	0.997	1254
5	0.8930	3215	798.52	78.57	877.09	1986	6.15	0.998	1427
6	1.0610	3820	788.55	110.94	899.49	1987	7.55	0.999	1769
7	1.2252	4411	752.19	147.94	900.14	1987	9.29	1.000	2162
8	1.3215	4758	614.71	172.31	787.02	1873	9.42	1.000	2213
9	1.3711	4936	479.01	185.62	664.63	1745	9.08	1.000	2110
10	1.4059	5061	345.13	195.36	540.48	1612	8.38	1.001	1951
11	1.4314	5153	189.42	202.78	392.20	1451	7.44	1.000	1741
12	1.5032	5412	2.71	224.03	226.74	1289	6.79	1.000	1592

General Data

Date		30/09/2015
Time		15.26
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.001
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.2
Mean test air density	[kg/m ³]	1.187
Nominal density	[kg/m ³]	1.200
Number of test points		9
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. Segnale costante 9 V.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1641	591	585.76	2.65	588.41	1740	1.31	0.956	295
2	0.3586	1291	555.73	12.69	568.42	1733	2.18	0.981	502
3	0.5753	2071	549.33	32.68	582.01	1736	3.03	0.989	710
4	0.7042	2535	604.51	48.93	653.43	1739	3.66	0.993	857
5	0.7818	2815	610.68	60.29	670.97	1741	4.14	0.994	964
6	0.9231	3323	605.07	84.06	689.12	1742	5.07	0.997	1185
7	1.0824	3897	572.95	115.61	688.55	1743	6.26	0.998	1461
8	1.2207	4394	535.91	147.03	682.94	1742	7.47	0.999	1754
9	1.3904	5005	399.17	191.01	590.18	1665	8.62	1.000	2016

General Data

Date		30/09/2015
Time		15.41
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.002
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.3
Mean test air density	[kg/m ³]	1.186
Nominal density	[kg/m ³]	1.200
Number of test points		11
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. Segnale costante 8 V.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1109	399	467.79	1.21	469.00	1556	1.02	0.936	225
2	0.2947	1061	435.80	8.58	444.38	1550	1.56	0.970	356
3	0.4917	1770	417.46	23.90	441.36	1550	2.16	0.982	499
4	0.5791	2085	468.97	33.14	502.11	1556	2.50	0.986	580
5	0.6971	2510	486.46	48.02	534.47	1555	3.01	0.989	699
6	0.8298	2987	478.62	68.02	546.64	1556	3.68	0.993	857
7	0.9692	3489	456.62	92.80	549.42	1556	4.54	0.996	1054
8	1.0952	3943	423.13	118.50	541.63	1557	5.39	0.997	1256
9	1.2197	4391	379.52	147.01	526.54	1557	6.36	0.998	1484
10	1.3244	4768	308.23	173.38	481.61	1523	7.03	1.000	1643
11	1.4261	5134	240.51	201.17	441.68	1504	7.81	1.000	1815

General Data

Date		30/09/2015
Time		16.17
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.003
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.4
Mean test air density	[kg/m ³]	1.189
Nominal density	[kg/m ³]	1.200
Number of test points		12
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. Segnale costante 7 V.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1027	370	364.04	1.04	365.08	1368	0.78	0.899	168
2	0.3075	1107	342.42	9.37	351.79	1364	1.21	0.950	271
3	0.4327	1558	322.46	18.58	341.04	1363	1.51	0.968	345
4	0.5163	1859	352.78	26.44	379.22	1364	1.79	0.977	409
5	0.6228	2242	371.69	38.45	410.14	1365	2.13	0.981	489
6	0.7289	2624	365.87	52.65	418.52	1367	2.56	0.986	588
7	0.8250	2970	354.14	67.41	421.54	1368	3.00	0.989	692
8	0.9631	3467	323.90	91.83	415.73	1368	3.70	0.993	859
9	1.0649	3834	291.39	112.27	403.66	1368	4.29	0.995	993
10	1.1796	4247	251.21	137.69	388.90	1371	4.98	0.997	1164
11	1.3415	4829	173.41	178.05	351.46	1371	6.15	0.999	1426
12	1.4629	5267	81.59	211.90	293.49	1347	6.88	1.000	1613

General Data

Date		30/09/2015
Time		16.34
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.004
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.3
Mean test air density	[kg/m ³]	1.189
Nominal density	[kg/m ³]	1.200
Number of test points		12
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. Segnale costante 6 V.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1322	476	273.87	1.73	275.60	1188	0.61	0.843	123
2	0.2054	739	245.08	4.17	249.25	1182	0.80	0.904	171
3	0.3682	1326	244.63	13.41	258.04	1182	1.09	0.942	242
4	0.4702	1693	276.62	21.86	298.47	1182	1.29	0.955	288
5	0.5394	1942	278.13	28.77	306.90	1185	1.45	0.964	330
6	0.6232	2243	276.42	38.40	314.82	1187	1.69	0.974	389
7	0.7211	2596	263.63	51.42	315.05	1187	2.03	0.980	466
8	0.8299	2988	243.91	68.07	311.98	1188	2.43	0.985	563
9	0.9186	3307	221.77	83.41	305.18	1189	2.83	0.988	653
10	1.0138	3650	190.11	101.63	291.74	1189	3.26	0.992	757
11	1.1579	4168	130.16	132.57	262.73	1189	3.97	0.995	924
12	1.3727	4942	8.42	186.54	194.96	1189	5.25	0.998	1214

General Data

Date		30/09/2015
Time		16.54
Technician		Galli
Fan type		DDMP 9/9
Test		S5038.005
Fan outlet area	[m ²]	0.0780
Barometric pressure	[mm _{Hg}]	755.2
Mean test air density	[kg/m ³]	1.188
Nominal density	[kg/m ³]	1.200
Number of test points		9
Test chamber		10000 m ³ /h
Motor nominal power	[W]	2000
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	0
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 9/9 Test con canale. Segnale costante 5 V.

DATA REDUCED TO NOMINAL CONDITIONS

Point nr.	Flow R. [m ³ /s]	Flow R. [m ³ /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.0949	342	195.36	0.89	196.25	1004	0.48	0.746	87
2	0.1949	702	178.03	3.75	181.79	999	0.62	0.847	126
3	0.2700	972	166.31	7.21	173.51	998	0.72	0.884	151
4	0.4214	1517	195.90	17.55	213.45	998	0.90	0.922	197
5	0.5407	1947	192.17	28.90	221.07	999	1.14	0.945	253
6	0.7008	2523	170.56	48.56	219.12	1002	1.54	0.969	350
7	0.8594	3094	131.39	73.05	204.44	1004	2.02	0.981	466
8	0.9808	3531	87.81	95.20	183.00	1005	2.45	0.987	566
9	1.1473	4130	8.72	130.35	139.07	1005	3.12	0.991	723