

General Data

Date		11/03/2015
Time		8.18
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.000
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.2
Mean test air density	[kg/m ³]	1.185
Nominal density	[kg/m ³]	1.200
Number of test points		12
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- F.M.W.L.

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	0.1088	392	649.63	1.16	650.79	1998	1.55	0.998	366
2	0.2872	1034	706.91	8.08	714.99	1999	2.50	1.002	583
3	0.4099	1475	727.96	16.46	744.42	1998	3.12	1.000	729
4	0.5388	1940	697.27	28.46	725.72	1998	3.90	0.999	908
5	0.6432	2315	697.88	40.57	738.45	1977	4.52	1.001	1049
6	0.7240	2607	634.10	51.44	685.54	1839	4.51	1.001	1048
7	0.7756	2792	536.30	59.08	595.38	1706	4.30	1.001	1000
8	0.8189	2948	408.22	65.96	474.18	1547	3.90	1.000	908
9	0.8657	3117	297.22	73.80	371.02	1409	3.60	1.000	843
10	0.8927	3214	237.20	78.48	315.68	1332	3.45	1.000	805
11	0.9345	3364	139.46	86.10	225.57	1210	3.18	1.000	743
12	0.9899	3564	7.27	96.72	103.99	1036	2.77	0.999	652

General Data

Date		11/03/2015
Time		8.51
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.001
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.3
Mean test air density	[kg/m ³]	1.183
Nominal density	[kg/m ³]	1.200
Number of test points		6
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- 7 Vdc

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	0.1183	426	609.09	1.38	610.46	1890	1.33	0.991	312
2	0.2905	1046	603.20	8.31	611.50	1882	1.93	0.988	461
3	0.3717	1338	638.32	13.59	651.91	1882	2.56	0.996	603
4	0.5322	1916	613.14	27.87	641.01	1881	3.29	0.998	772
5	0.5830	2099	607.61	33.44	641.04	1882	3.72	1.000	869
6	0.7073	2546	645.80	49.20	695.00	1868	4.50	1.001	1051

General Data

Date		11/03/2015
Time		9.20
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.002
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.4
Mean test air density	[kg/m ³]	1.183
Nominal density	[kg/m ³]	1.200
Number of test points		8
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- 6 Vdc

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	0.1476	531	462.38	2.15	464.53	1663	0.91	0.979	213
2	0.2782	1001	493.20	7.64	500.84	1662	1.49	0.991	353
3	0.3589	1292	495.77	12.71	508.48	1662	1.84	0.994	435
4	0.4408	1587	476.99	19.17	496.16	1662	2.17	0.996	510
5	0.5365	1931	486.62	28.36	514.98	1661	2.60	0.998	611
6	0.6689	2408	514.81	44.05	558.86	1659	3.33	0.999	778
7	0.7550	2718	502.73	56.09	558.82	1653	3.88	1.000	906
8	0.8166	2940	400.98	65.69	466.67	1539	3.84	0.999	899

General Data

Date		11/03/2015
Time		9.37
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.003
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.5
Mean test air density	[kg/m ³]	1.182
Nominal density	[kg/m ³]	1.200
Number of test points		9
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- 5 Vdc

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	0.0708	255	346.28	0.49	346.77	1446	0.65	0.969	151
2	0.1813	653	353.00	3.24	356.24	1442	0.86	0.982	203
3	0.3068	1104	367.69	9.28	376.97	1441	1.21	0.990	286
4	0.3648	1313	349.41	13.13	362.54	1441	1.38	0.990	326
5	0.4639	1670	361.24	21.21	382.45	1440	1.71	0.994	402
6	0.5955	2144	382.53	34.94	417.47	1438	2.23	0.996	523
7	0.6648	2393	376.65	43.54	420.19	1439	2.54	0.997	597
8	0.7588	2732	347.61	56.74	404.35	1438	3.05	0.998	714
9	0.8615	3101	295.61	73.14	368.76	1399	3.50	0.999	820

General Data

Date		11/03/2015
Time		9.49
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.004
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.5
Mean test air density	[kg/m ³]	1.181
Nominal density	[kg/m ³]	1.200
Number of test points		11
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- 4 Vdc

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	0.0746	269	244.40	0.55	244.95	1221	0.43	0.937	97
2	0.1444	520	256.52	2.06	258.57	1219	0.58	0.962	135
3	0.2358	849	256.94	5.48	262.42	1218	0.72	0.977	170
4	0.3185	1147	246.86	10.01	256.86	1217	0.88	0.981	208
5	0.3922	1412	256.42	15.18	271.60	1216	1.05	0.986	246
6	0.4746	1708	270.64	22.18	292.81	1216	1.27	0.989	299
7	0.5525	1989	266.22	30.06	296.29	1216	1.51	0.992	357
8	0.6304	2270	248.76	39.14	287.90	1216	1.77	0.994	417
9	0.7364	2651	219.98	53.41	273.39	1215	2.17	0.996	512
10	0.8035	2892	198.20	63.61	261.80	1214	2.47	0.997	582
11	0.9302	3349	138.53	85.30	223.83	1208	3.10	0.999	728

General Data

Date		11/03/2015
Time		10.17
Technician		Mazzoleni
Fan type		DDMP 8/9 Tight
Test		S4906.005
Fan outlet area	[m ²]	0.0781
Barometric pressure	[mm _{Hg}]	750.7
Mean test air density	[kg/m ³]	1.181
Nominal density	[kg/m ³]	1.200
Number of test points		12
Test chamber		10000 m ³ /h
Motor nominal power	[W]	400
Number of poles		8
Nominal voltage	[V]	230
Nominal frequency	[Hz]	50
Supply type		Single phase
Condenser capacity	[μF]	0.00
Nominal condenser voltage	[V]	0

Notes

DDMP 8/9 Tig. ---- 3 Vdc

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	0.0693	250	163.36	0.47	163.83	995	0.29	0.878	63
2	0.1314	473	168.15	1.70	169.85	992	0.37	0.919	83
3	0.2017	726	169.56	4.01	173.57	993	0.46	0.942	104
4	0.2495	898	162.68	6.14	168.82	992	0.52	0.953	120
5	0.3197	1151	169.81	10.09	179.90	992	0.61	0.964	141
6	0.3851	1386	177.27	14.64	191.91	992	0.71	0.974	167
7	0.4429	1594	175.06	19.36	194.41	991	0.83	0.980	196
8	0.5098	1835	161.15	25.65	186.79	991	0.98	0.983	231
9	0.5913	2129	144.54	34.49	179.03	991	1.17	0.987	275
10	0.6377	2296	132.73	40.11	172.84	991	1.29	0.989	305
11	0.7397	2663	97.73	53.95	151.68	991	1.59	0.993	375
12	0.9346	3365	9.58	86.17	95.76	990	2.29	0.997	541