

General Data

Date		11/03/2015
Time		10.47
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.000
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.6
Mean test air density	[kg/m ³]	1.180
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 8/7 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	0.1241	447	690.72	2.50	693.21	2000	1.59	0.994	376
2	0.2908	1047	725.09	13.72	738.81	2000	2.15	0.987	503
3	0.4994	1798	763.63	40.44	804.08	1998	3.54	0.999	829
4	0.5561	2002	762.20	50.13	812.33	1998	4.05	0.999	945
5	0.6460	2326	701.66	67.65	769.31	1925	4.51	1.000	1051
6	0.6968	2508	568.08	78.81	646.89	1819	4.51	1.000	1052
7	0.7341	2643	472.37	87.50	559.86	1698	4.28	1.000	999
8	0.7702	2773	369.94	96.41	466.35	1550	3.92	1.000	915
9	0.8025	2889	264.76	104.75	369.51	1425	3.63	0.999	851
10	0.8235	2965	211.13	110.34	321.47	1364	3.50	0.999	823
11	0.8458	3045	124.20	116.49	240.69	1312	3.38	0.999	796
12	0.8786	3163	-0.86	125.80	124.94	1259	3.27	0.999	771

General Data

Date		11/03/2015
Time		11.10
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.001
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.5
Mean test air density	[kg/m ³]	1.180
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 8/7 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	0.1018	366	619.18	1.68	620.86	1888	1.30	0.988	305
2	0.2554	919	688.60	10.57	699.17	1885	1.89	1.017	438
3	0.4640	1670	667.43	34.92	702.35	1881	2.96	0.998	695
4	0.5220	1879	673.98	44.19	718.17	1879	3.40	0.999	796
5	0.6333	2280	658.74	65.05	723.79	1878	4.25	1.000	994
6	0.6707	2414	630.35	72.98	703.33	1875	4.52	1.000	1054

General Data

Date		11/03/2015
Time		11.21
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.002
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.4
Mean test air density	[kg/m ³]	1.181
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 8/7 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	0.0630	227	479.14	0.65	479.79	1667	0.93	0.984	221
2	0.2745	988	491.49	12.26	503.75	1667	1.35	0.987	323
3	0.3958	1425	517.48	25.49	542.97	1664	1.95	0.994	460
4	0.4728	1702	520.51	36.37	556.88	1664	2.34	0.997	552
5	0.5390	1940	497.99	47.23	545.22	1663	2.72	0.998	641
6	0.6414	2309	469.92	66.90	536.82	1663	3.43	0.999	802
7	0.7185	2587	448.73	83.94	532.68	1644	3.88	0.999	907
8	0.7678	2764	360.62	95.87	456.48	1539	3.85	0.999	901

General Data

Date		11/03/2015
Time		11.36
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.003
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.3
Mean test air density	[kg/m ³]	1.180
Nominal density	[kg/m ³]	1.200
Number of test points		10
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 8/7 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	0.0575	207	356.04	0.54	356.57	1446	0.63	0.967	148
2	0.1848	665	365.44	5.56	371.00	1443	0.83	0.979	196
3	0.3534	1272	382.79	20.32	403.12	1442	1.32	0.989	311
4	0.4066	1464	393.72	26.90	420.62	1441	1.54	0.992	362
5	0.4876	1755	385.82	38.67	424.50	1440	1.88	0.995	443
6	0.5418	1951	358.72	47.74	406.46	1440	2.11	0.996	498
7	0.6241	2247	341.42	63.35	404.77	1439	2.51	0.996	592
8	0.7125	2565	317.56	82.57	400.13	1438	3.05	0.998	716
9	0.7945	2860	255.73	102.70	358.42	1408	3.48	0.999	817
10	0.8177	2944	218.82	108.78	327.61	1376	3.52	0.999	826

General Data

Date		11/03/2015
Time		11.48
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.004
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.3
Mean test air density	[kg/m ³]	1.180
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 8/7 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	0.0963	347	256.20	1.51	257.71	1223	0.44	0.937	99
2	0.1643	592	249.77	4.40	254.17	1220	0.55	0.954	127
3	0.3053	1099	274.52	15.17	289.69	1219	0.85	0.979	199
4	0.3380	1217	278.72	18.60	297.32	1219	0.94	0.981	221
5	0.4070	1465	270.06	26.98	297.04	1218	1.15	0.987	271
6	0.4758	1713	248.92	36.89	285.82	1217	1.35	0.989	319
7	0.5289	1904	242.65	45.58	288.24	1217	1.53	0.992	363
8	0.5987	2155	225.57	58.40	283.97	1218	1.80	0.993	424
9	0.6761	2434	193.15	74.41	267.56	1216	2.13	0.995	504
10	0.7187	2587	165.55	84.02	249.57	1216	2.35	0.996	556
11	0.7841	2823	104.92	100.05	204.98	1215	2.66	0.998	629
12	0.8311	2992	6.25	112.50	118.76	1215	2.85	0.998	671

General Data

Date		11/03/2015
Time		12.07
Technician		Mazzoleni
Fan type		DDMP 8/7 Tight
Test		S4907.005
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	750.3
Mean test air density	[kg/m ³]	1.178
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 8/7 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	0.0690	248	167.01	0.77	167.79	995	0.29	0.876	61
2	0.1249	450	163.15	2.54	165.69	993	0.34	0.907	76
3	0.2466	888	176.46	9.90	186.36	991	0.50	0.947	115
4	0.2759	993	179.72	12.38	192.10	991	0.55	0.956	126
5	0.3184	1146	175.94	16.49	192.43	992	0.62	0.966	144
6	0.3717	1338	164.81	22.47	187.28	992	0.74	0.976	171
7	0.4340	1562	158.44	30.64	189.08	992	0.88	0.980	203
8	0.4847	1745	147.61	38.22	185.83	991	1.00	0.984	233
9	0.5401	1944	127.50	47.47	174.97	991	1.15	0.987	268
10	0.5843	2103	108.63	55.55	164.18	991	1.28	0.989	298
11	0.6501	2341	77.13	68.78	145.90	990	1.48	0.992	345
12	0.6769	2437	2.24	74.62	76.86	990	1.52	0.992	357