

General Data

Date		14/04/2015
Time		8.18
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.000
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	753.5
Mean test air density	[kg/m ³]	1.190
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 7/9 ---- 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	0.1383	498	521.10	2.98	524.08	1998	1.06	0.986	246
2	0.2961	1066	545.07	13.68	558.76	1998	1.82	0.996	422
3	0.4257	1533	508.29	28.29	536.58	1998	2.40	0.999	554
4	0.5241	1887	489.90	42.89	532.79	1998	2.80	0.999	654
5	0.6834	2460	513.72	72.91	586.62	1998	3.67	1.000	853
6	0.7672	2762	493.67	91.89	585.56	1998	4.19	1.001	980
7	0.8394	3022	424.31	110.07	534.38	1943	4.47	1.001	1044
8	0.8847	3185	355.40	122.33	477.72	1872	4.50	1.001	1048
9	0.9401	3384	259.48	138.23	397.71	1765	4.41	1.001	1031
10	0.9731	3503	159.67	148.25	307.91	1641	4.12	1.001	964
11	0.9935	3577	95.29	154.49	249.77	1559	3.91	1.000	917
12	1.0262	3694	3.27	164.98	168.26	1448	3.67	1.001	860

General Data

Date		14/04/2015
Time		8.44
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.001
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	753.7
Mean test air density	[kg/m ³]	1.189
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 7/9 ---- 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	0.0895	322	460.79	1.25	462.04	1885	0.89	0.984	208
2	0.2977	1072	479.94	13.84	493.78	1881	1.56	0.991	369
3	0.3799	1368	445.95	22.53	468.48	1876	1.93	0.996	456
4	0.4801	1728	423.36	36.00	459.36	1876	2.26	0.996	534
5	0.6413	2309	452.03	64.23	516.26	1876	2.98	0.999	702
6	0.7325	2637	428.37	83.81	512.18	1876	3.49	1.000	821
7	0.8063	2903	396.16	101.56	497.72	1875	3.95	1.000	927
8	0.8849	3186	351.97	122.40	474.37	1868	4.47	1.001	1043

General Data

Date		14/04/2015
Time		9.01
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.002
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	753.8
Mean test air density	[kg/m ³]	1.189
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 7/9 ---- 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	0.1072	386	365.44	1.79	367.23	1672	0.65	0.969	153
2	0.2613	941	377.10	10.67	387.76	1666	1.06	0.987	252
3	0.3638	1310	345.93	20.70	366.63	1664	1.41	0.992	334
4	0.4299	1548	332.43	28.90	361.33	1663	1.61	0.993	381
5	0.5451	1962	355.34	46.45	401.79	1662	1.99	0.996	470
6	0.6341	2283	338.60	62.87	401.47	1662	2.35	0.997	555
7	0.7029	2530	314.57	77.26	391.84	1661	2.68	0.998	630
8	0.7902	2845	275.72	97.68	373.40	1662	3.09	1.000	729
9	0.8766	3156	231.66	120.21	351.87	1660	3.55	1.000	836
10	0.9491	3417	157.59	141.02	298.61	1612	3.82	1.001	899
11	0.9883	3558	91.44	152.96	244.40	1547	3.82	1.000	897

General Data

Date		14/04/2015
Time		9.16
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.003
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	754.0
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]	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 7/9 ---- 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	0.0966	348	267.96	1.46	269.42	1437	0.46	0.942	105
2	0.1888	680	279.82	5.56	285.38	1439	0.67	0.973	157
3	0.3119	1123	256.19	15.20	271.39	1439	0.93	0.982	220
4	0.3680	1325	245.77	21.17	266.94	1440	1.05	0.986	249
5	0.4850	1746	263.92	36.76	300.68	1440	1.35	0.991	319
6	0.5483	1974	252.78	46.99	299.77	1439	1.54	0.992	364
7	0.6083	2190	234.01	57.87	291.88	1439	1.73	0.994	409
8	0.6767	2436	207.96	71.58	279.55	1439	1.97	0.996	466
9	0.7504	2701	175.52	88.05	263.57	1438	2.24	0.996	530
10	0.8460	3046	125.09	111.99	237.08	1438	2.65	0.998	627
11	0.9173	3302	79.18	131.68	210.86	1437	2.99	0.998	706
12	1.0109	3639	0.84	160.01	160.84	1420	3.43	0.999	807

General Data

Date		14/04/2015
Time		9.41
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.004
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	754.2
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]	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 7/9 ---- 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	0.0683	246	195.21	0.73	195.94	1219	0.33	0.902	73
2	0.1523	548	199.02	3.63	202.64	1218	0.46	0.944	106
3	0.2615	942	182.19	10.70	192.89	1217	0.60	0.963	141
4	0.3135	1129	175.25	15.38	190.63	1216	0.67	0.972	158
5	0.4299	1548	184.24	28.92	213.16	1217	0.89	0.981	210
6	0.4645	1672	178.70	33.76	212.46	1217	0.96	0.983	228
7	0.5068	1824	166.60	40.19	206.79	1216	1.06	0.986	251
8	0.5640	2030	149.36	49.78	199.14	1217	1.19	0.988	283
9	0.6287	2263	126.17	61.87	188.03	1217	1.36	0.991	322
10	0.7108	2559	89.20	79.11	168.30	1216	1.59	0.993	378
11	0.7667	2760	58.78	92.03	150.81	1215	1.77	0.995	419
12	0.8520	3067	5.73	113.68	119.41	1215	2.05	0.996	486

General Data

Date		14/04/2015
Time		10.14
Technician		Mazzoleni
Fan type		DDMP 7/9
Test		S4944.005
Fan outlet area	[m ²]	0.0620
Barometric pressure	[mm _{Hg}]	754.6
Mean test air density	[kg/m ³]	1.190
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 7/9 ---- 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	0.0573	206	131.17	0.51	131.69	998	0.24	0.831	49
2	0.1561	562	129.80	3.81	133.62	995	0.33	0.901	72
3	0.2153	775	123.74	7.25	130.98	994	0.37	0.919	83
4	0.2575	927	114.11	10.37	124.48	993	0.42	0.934	96
5	0.3303	1189	123.07	17.08	140.15	992	0.50	0.950	115
6	0.3728	1342	117.62	21.76	139.37	992	0.56	0.958	129
7	0.4217	1518	106.64	27.84	134.48	992	0.63	0.968	146
8	0.4734	1704	93.20	35.09	128.29	991	0.70	0.974	166
9	0.5072	1826	83.34	40.28	123.62	992	0.76	0.977	179
10	0.5690	2049	59.68	50.69	110.37	992	0.87	0.982	206
11	0.6190	2228	37.93	59.99	97.91	992	0.97	0.984	230
12	0.6884	2478	3.42	74.20	77.62	992	1.12	0.987	265