

General Data

Date		17/03/2015
Time		8.28
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.000
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	754.2
Mean test air density	[kg/m ³]	1.201
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 9/7 ---- 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	788.37	3.09	791.46	1998	1.84	0.996	428
2	0.2239	806	739.82	8.10	747.93	1998	2.29	0.996	531
3	0.3287	1183	713.27	17.49	730.76	1998	2.77	1.003	636
4	0.5016	1806	785.08	40.72	825.81	1998	3.53	0.996	813
5	0.5893	2122	836.34	56.22	892.56	1980	4.51	1.001	1035
6	0.6422	2312	720.84	66.81	787.65	1858	4.51	1.001	1036
7	0.7060	2542	586.68	80.86	667.54	1671	4.22	1.001	971
8	0.7447	2681	435.78	90.09	525.86	1468	3.69	1.000	850
9	0.7917	2850	324.46	101.94	426.40	1322	3.43	1.000	790
10	0.8230	2963	216.70	110.23	326.93	1183	3.10	1.000	717
11	0.8633	3108	14.22	121.53	135.75	1093	2.90	1.000	672

General Data

Date		17/03/2015
Time		9.06
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.001
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	754.4
Mean test air density	[kg/m ³]	1.200
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 9/7 ---- 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	0.1458	525	708.98	3.45	712.43	1885	1.47	0.992	341
2	0.2435	876	655.78	9.61	665.39	1881	1.89	0.995	438
3	0.3087	1111	636.48	15.47	651.95	1879	2.27	0.995	527
4	0.4809	1731	714.47	37.52	751.99	1877	3.30	1.001	758
5	0.5683	2046	753.00	52.28	805.28	1879	3.86	1.000	890
6	0.6369	2293	732.38	65.71	798.09	1875	4.50	1.001	1033

General Data

Date		17/03/2015
Time		9.48
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.002
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	754.8
Mean test air density	[kg/m ³]	1.199
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 9/7 ---- 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	0.1170	421	560.11	2.22	562.33	1676	1.07	0.988	249
2	0.1913	689	511.37	5.95	517.32	1665	1.30	0.988	301
3	0.2735	985	497.55	12.18	509.72	1664	1.51	0.991	353
4	0.4115	1481	538.43	27.55	565.98	1664	2.17	0.998	503
5	0.5053	1819	586.13	41.54	627.66	1662	2.66	0.998	616
6	0.5738	2066	575.96	53.54	629.50	1662	3.10	0.999	715
7	0.6846	2465	571.88	76.19	648.06	1649	3.90	1.000	898
8	0.7471	2690	462.53	90.81	553.33	1507	3.82	1.000	880

General Data

Date		17/03/2015
Time		10.13
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.003
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	755.2
Mean test air density	[kg/m ³]	1.199
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 9/7 ---- 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	0.0703	253	410.62	0.80	411.42	1441	0.70	0.974	162
2	0.1858	669	383.42	5.62	389.04	1441	0.90	0.982	210
3	0.2137	769	362.86	7.44	370.30	1441	1.00	0.983	231
4	0.3609	1299	398.28	21.22	419.50	1440	1.45	0.991	336
5	0.4308	1551	436.23	30.19	466.43	1439	1.68	0.994	392
6	0.5144	1852	425.93	43.00	468.93	1438	2.06	0.995	480
7	0.6157	2216	431.38	61.58	492.96	1437	2.64	0.997	612
8	0.7374	2655	409.85	88.37	498.22	1427	3.42	0.999	788
9	0.7698	2771	376.84	96.30	473.14	1389	3.51	0.999	809

General Data

Date		17/03/2015
Time		10.49
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.004
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	755.6
Mean test air density	[kg/m ³]	1.200
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 9/7 ---- 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	0.0678	244	294.37	0.75	295.12	1219	0.47	0.946	107
2	0.1603	577	269.52	4.18	273.71	1217	0.60	0.965	137
3	0.1991	717	257.33	6.46	263.79	1217	0.66	0.971	152
4	0.3053	1099	283.17	15.18	298.35	1216	0.87	0.981	202
5	0.3735	1345	309.61	22.72	332.32	1216	1.08	0.987	250
6	0.4292	1545	305.11	29.99	335.10	1216	1.25	0.989	290
7	0.5176	1863	306.55	43.63	350.18	1216	1.58	0.993	367
8	0.5971	2149	299.47	58.04	357.52	1215	1.92	0.995	445
9	0.7369	2653	270.01	88.40	358.41	1214	2.63	0.997	608
10	0.8175	2943	235.00	108.75	343.75	1204	3.09	0.999	716

General Data

Date		17/03/2015
Time		11.07
Technician		Mazzoleni
Fan type		DDMP 9/7
Test		S4916.005
Fan outlet area	[m ²]	0.0608
Barometric pressure	[mm _{Hg}]	755.8
Mean test air density	[kg/m ³]	1.200
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 9/7 ---- 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	0.0741	267	194.10	0.89	195.00	992	0.30	0.889	65
2	0.1010	363	182.76	1.66	184.42	992	0.35	0.913	77
3	0.1431	515	173.92	3.34	177.25	992	0.38	0.923	85
4	0.2472	890	187.05	9.96	197.00	992	0.52	0.952	118
5	0.3020	1087	202.71	14.86	217.57	992	0.61	0.966	141
6	0.3446	1240	205.99	19.34	225.33	992	0.70	0.974	162
7	0.4080	1469	203.13	27.10	230.23	991	0.85	0.980	197
8	0.4919	1771	196.43	39.39	235.82	991	1.07	0.985	250
9	0.5801	2088	182.39	54.75	237.14	990	1.34	0.990	313
10	0.6676	2403	158.33	72.51	230.84	991	1.65	0.993	384
11	0.7869	2833	9.24	100.81	110.04	990	2.08	0.997	484