

General Data

Date		23/03/2015
Time		10.16
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.000
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.4
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 7/7 TIGHT ---- 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	0.2075	747	1187.57	39.74	1227.31	2997	2.95	0.999	693
2	0.2886	1039	1190.65	76.88	1267.53	2997	3.84	1.000	897
3	0.3595	1294	1174.35	119.31	1293.66	2977	4.59	1.001	1065
4	0.3787	1363	1049.49	132.56	1182.05	2836	4.36	1.001	1017
5	0.4102	1477	901.18	155.75	1056.93	2676	4.11	1.000	961
6	0.4286	1543	793.53	170.28	963.81	2555	3.93	1.000	920
7	0.4536	1633	663.02	190.84	853.86	2415	3.72	1.000	872
8	0.4750	1710	567.79	209.39	777.17	2306	3.56	1.000	835
9	0.5078	1828	432.17	239.58	671.74	2159	3.35	0.999	786
10	0.5409	1947	279.70	272.18	551.89	1992	3.10	0.999	728
11	0.5644	2032	165.02	296.62	461.65	1865	2.91	0.999	684
12	0.6041	2175	12.51	340.10	352.61	1687	2.64	0.999	622

General Data

Date		23/03/2015
Time		10.42
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.001
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.6
Mean test air density	[kg/m ³]	1.180
Nominal density	[kg/m ³]	1.200
Number of test points		4
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 7/7 TIGHT ---- 7Vdc

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	0.1790	644	1036.33	29.58	1065.91	2805	2.43	0.999	572
2	0.2610	940	1026.88	62.91	1089.79	2788	2.80	0.999	659
3	0.3424	1233	1021.36	108.29	1129.65	2787	3.77	0.999	884
4	0.3882	1398	998.95	139.15	1138.10	2783	4.24	1.000	992

General Data

Date		23/03/2015
Time		11.03
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.002
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.6
Mean test air density	[kg/m ³]	1.179
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 7/7 TIGHT ---- 6Vdc

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	0.1406	506	786.17	18.29	804.45	2447	1.66	0.995	392
2	0.2461	886	780.63	56.06	836.69	2441	2.12	0.997	501
3	0.2984	1074	777.73	82.46	860.19	2437	2.51	0.997	594
4	0.3685	1327	743.03	125.83	868.87	2434	3.06	0.999	721
5	0.4054	1459	718.23	152.30	870.52	2433	3.33	0.999	782
6	0.4529	1630	673.89	190.06	863.95	2428	3.72	1.000	872

General Data

Date		23/03/2015
Time		11.13
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.003
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.6
Mean test air density	[kg/m ³]	1.178
Nominal density	[kg/m ³]	1.200
Number of test points		7
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 7/7 TIGHT ---- 5Vdc

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	0.1552	559	567.06	22.35	589.41	2079	1.07	0.986	253
2	0.1972	710	563.41	36.08	599.48	2076	1.26	0.991	297
3	0.2733	984	556.76	69.29	626.06	2075	1.68	0.994	395
4	0.3486	1255	516.61	112.84	629.44	2074	2.10	0.996	497
5	0.4291	1545	452.41	171.06	623.47	2071	2.57	0.998	607
6	0.4901	1764	392.34	223.20	615.54	2071	2.94	0.999	694
7	0.5350	1926	318.27	266.15	584.42	2037	3.17	0.999	744

General Data

Date		23/03/2015
Time		11.26
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.004
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.5
Mean test air density	[kg/m ³]	1.177
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 7/7 TIGHT ---- 4Vdc

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	0.1297	467	387.17	15.62	402.79	1720	0.66	0.972	155
2	0.1928	694	384.25	34.51	418.76	1717	0.88	0.981	208
3	0.2640	950	364.13	64.76	428.90	1716	1.13	0.987	268
4	0.3232	1164	330.22	97.11	427.33	1714	1.36	0.991	322
5	0.4055	1460	265.29	152.89	418.18	1712	1.69	0.994	400
6	0.4672	1682	203.25	203.02	406.27	1711	1.96	0.995	465
7	0.5208	1875	139.10	252.35	391.45	1710	2.23	0.996	527
8	0.5995	2158	9.89	334.62	344.51	1670	2.54	0.998	600

General Data

Date		23/03/2015
Time		11.40
Technician		Mazzoleni
Fan type		DDMP 7/7 TIGHT
Test		S4924.005
Fan outlet area	[m ²]	0.0254
Barometric pressure	[mm _{Hg}]	747.5
Mean test air density	[kg/m ³]	1.177
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 7/7 TIGHT ---- 3Vdc

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	0.0988	356	237.90	9.06	246.96	1359	0.39	0.926	88
2	0.1706	614	234.63	27.03	261.66	1354	0.54	0.956	126
3	0.2268	816	215.97	47.79	263.76	1353	0.66	0.971	156
4	0.2784	1002	189.94	72.08	262.02	1352	0.78	0.979	185
5	0.3669	1321	123.81	125.21	249.02	1350	1.01	0.985	239
6	0.4789	1724	9.73	213.61	223.34	1350	1.35	0.991	321