

#### General Data

Date		10/03/2015
Time		8.15
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.000
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	753.8
Mean test air density	[kg/m <sup>3</sup> ]	1.194
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		12
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- F.M.W.L.

### ***DATA REDUCED TO NOMINAL CONDITIONS***

Point nr.	Flow R. [m <sup>3</sup> /s]	Flow R. [m <sup>3</sup> /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1771	638	789.63	3.07	792.70	1998	1.79	0.995	420
2	0.3057	1100	756.50	9.15	765.65	1998	2.66	0.998	621
3	0.4821	1735	744.73	22.78	767.51	1998	3.68	1.000	852
4	0.5372	1934	724.29	28.30	752.59	1998	4.21	1.000	975
5	0.6293	2265	689.64	38.86	728.50	1950	4.50	1.001	1040
6	0.7231	2603	679.47	51.33	730.80	1813	4.49	1.001	1040
7	0.7787	2803	565.82	59.60	625.42	1632	4.10	1.000	949
8	0.8035	2893	493.39	63.50	556.88	1533	3.85	1.001	892
9	0.8410	3028	412.29	69.61	481.90	1421	3.62	1.000	839
10	0.8919	3211	292.48	78.39	370.87	1250	3.24	0.999	754
11	0.9319	3355	190.12	85.67	275.79	1096	2.90	0.999	675
12	0.9843	3544	14.13	95.67	109.80	917	2.50	0.998	584

#### General Data

Date		10/03/2015
Time		8.46
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.001
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	753.9
Mean test air density	[kg/m <sup>3</sup> ]	1.195
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		6
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- 7 Vdc

### ***DATA REDUCED TO NOMINAL CONDITIONS***

Point nr.	Flow R. [m <sup>3</sup> /s]	Flow R. [m <sup>3</sup> /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1132	408	701.64	1.26	702.90	1883	1.49	0.992	349
2	0.2907	1046	653.54	8.32	661.86	1880	2.31	0.998	538
3	0.4658	1677	658.25	21.37	679.62	1879	3.14	0.999	729
4	0.4912	1768	630.39	23.77	654.16	1878	3.42	1.000	789
5	0.5996	2159	644.88	35.41	680.29	1877	3.88	0.999	899
6	0.7379	2656	662.39	53.57	715.96	1780	4.47	1.001	1030

**General Data**

Date		10/03/2015
Time		9.02
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.002
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	754.0
Mean test air density	[kg/m <sup>3</sup> ]	1.195
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		8
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- 6 Vdc

<b><i>DATA REDUCED TO NOMINAL CONDITIONS</i></b>
--

<b>Point nr.</b>	<b>Flow R. [m<sup>3</sup>/s]</b>	<b>Flow R. [m<sup>3</sup>/h]</b>	<b>Stat. P. [Pa]</b>	<b>Vel. P. [Pa]</b>	<b>Tot. P. [Pa]</b>	<b>Speed [r.p.m.]</b>	<b>Current [A]</b>	<b>Cos φ [#]</b>	<b>Abs.Pow. [W]</b>
1	0.1021	368	547.73	1.03	548.75	1666	1.06	0.986	248
2	0.2598	935	514.85	6.65	521.50	1662	1.56	0.993	365
3	0.3801	1368	498.94	14.24	513.17	1661	2.16	0.997	504
4	0.4559	1641	496.45	20.48	516.94	1659	2.31	0.997	541
5	0.5328	1918	498.07	27.96	526.03	1659	2.76	0.998	641
6	0.6674	2402	567.26	43.85	611.11	1658	3.39	1.000	789
7	0.7583	2730	544.24	56.64	600.88	1602	3.79	1.000	880
8	0.8006	2882	496.05	63.12	559.17	1532	3.82	0.999	886

#### General Data

Date		10/03/2015
Time		9.17
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.003
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	754.1
Mean test air density	[kg/m <sup>3</sup> ]	1.195
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		9
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- 5 Vdc

### ***DATA REDUCED TO NOMINAL CONDITIONS***

Point nr.	Flow R. [m <sup>3</sup> /s]	Flow R. [m <sup>3</sup> /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.1051	378	412.27	1.09	413.36	1446	0.73	0.977	169
2	0.2217	798	386.10	4.85	390.95	1443	1.05	0.986	245
3	0.3147	1133	377.30	9.77	387.07	1442	1.41	0.991	330
4	0.3885	1398	371.64	14.89	386.53	1441	1.53	0.992	359
5	0.4653	1675	365.97	21.36	387.33	1440	1.81	0.995	424
6	0.5802	2089	425.87	33.19	459.06	1440	2.19	0.996	511
7	0.6829	2458	436.99	45.98	482.96	1439	2.70	0.998	628
8	0.7586	2731	433.59	56.69	490.28	1438	3.11	0.999	724
9	0.8453	3043	389.88	70.41	460.30	1387	3.49	0.999	811

#### General Data

Date		10/03/2015
Time		9.31
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.004
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	754.0
Mean test air density	[kg/m <sup>3</sup> ]	1.195
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		11
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- 4 Vdc

### ***DATA REDUCED TO NOMINAL CONDITIONS***

Point nr.	Flow R. [m <sup>3</sup> /s]	Flow R. [m <sup>3</sup> /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.0931	335	290.41	0.86	291.26	1216	0.47	0.946	108
2	0.1615	581	275.92	2.58	278.50	1216	0.65	0.971	151
3	0.2996	1078	268.04	8.86	276.91	1216	0.90	0.983	210
4	0.3413	1229	264.39	11.51	275.90	1216	0.98	0.985	229
5	0.3964	1427	258.76	15.52	274.28	1216	1.10	0.987	258
6	0.4676	1683	299.30	21.58	320.88	1215	1.26	0.989	296
7	0.5882	2117	310.51	34.12	344.63	1216	1.65	0.994	386
8	0.6354	2287	307.75	39.81	347.56	1215	1.82	0.994	427
9	0.7146	2573	299.30	50.33	349.63	1214	2.15	0.996	502
10	0.8626	3105	276.55	73.34	349.89	1213	2.90	0.998	675
11	0.8966	3228	265.05	79.22	344.27	1205	3.09	0.999	717

**General Data**

Date		10/03/2015
Time		9.52
Technician		Mazzoleni
Fan type		DDMP 9/9
Test		S4904.005
Fan outlet area	[m <sup>2</sup> ]	0.0781
Barometric pressure	[mm <sub>Hg</sub> ]	754.1
Mean test air density	[kg/m <sup>3</sup> ]	1.193
Nominal density	[kg/m <sup>3</sup> ]	1.200
Number of test points		11
Test chamber		10000 m <sup>3</sup> /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 9/9 ---- 3 Vdc

<b><i>DATA REDUCED TO NOMINAL CONDITIONS</i></b>
--

Point nr.	Flow R. [m <sup>3</sup> /s]	Flow R. [m <sup>3</sup> /h]	Stat. P. [Pa]	Vel. P. [Pa]	Tot. P. [Pa]	Speed [r.p.m.]	Current [A]	Cos φ [#]	Abs.Pow. [W]
1	0.0624	225	193.88	0.38	194.27	992	0.31	0.890	66
2	0.1288	464	183.11	1.64	184.75	992	0.40	0.929	90
3	0.2504	901	179.42	6.20	185.61	991	0.52	0.952	118
4	0.3136	1129	169.41	9.72	179.13	991	0.61	0.966	141
5	0.4072	1466	199.46	16.37	215.83	990	0.76	0.977	177
6	0.4736	1705	203.58	22.14	225.72	991	0.90	0.981	211
7	0.5059	1821	202.93	25.26	228.18	990	0.97	0.983	228
8	0.5804	2090	197.62	33.21	230.84	990	1.16	0.988	272
9	0.6986	2515	183.60	48.11	231.71	990	1.51	0.992	355
10	0.8299	2988	157.21	67.87	225.09	990	1.99	0.996	468
11	0.9577	3448	119.83	90.39	210.22	988	2.58	0.998	602