

Measurement Comment :

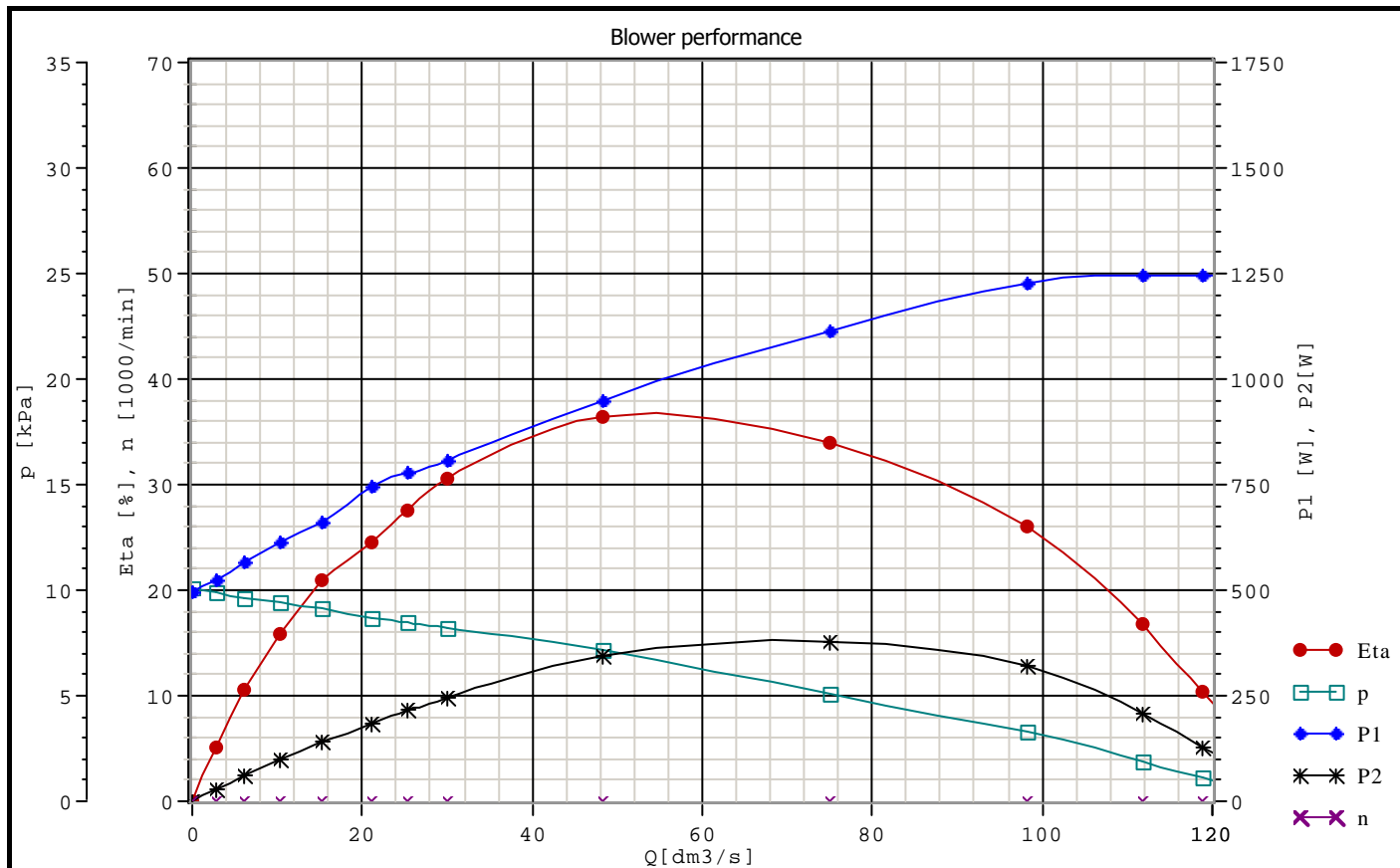
Code : 497.3.275-733
Voltage / Frequency : 230V / 50Hz
Request number : 04740307
Date of measurement : 28.03.2007
File Name :

230V 50Hz
PAS5000
redna serija

utekavanje 10min, meritev 5 s, proženje 30s

Točka	D(mm)	I1(A)	P1(W)	n(min-1)	p(kPa)	Q(dm3/s)	P2(W)	Eta(%)
1	90	8,93	1243,21	0	0,5	125,28	62,09	4,99
2	80	8,96	1248,98	0	0,69	123,11	85,27	6,83
3	70	8,95	1243,75	0	1,09	118,76	129,08	10,38
4	60	8,96	1247,15	0	1,87	111,72	208,7	16,73
5	50	8,84	1227,79	0	3,25	98,16	318,58	25,95
6	40	8,11	1114,7	0	5,06	75,06	379,44	34,04
7	30	7,05	950,05	0	7,14	48,35	345,45	36,36
8	23	6,07	805,31	0	8,21	29,98	246,13	30,56
9	21	5,86	776,17	0	8,47	25,33	214,44	27,63
10	19	5,66	743,8	0	8,71	20,99	182,69	24,56
11	16	5,08	661,18	0	9,13	15,21	138,87	21
12	13	4,74	613,71	0	9,45	10,26	96,97	15,8
13	10	4,4	565,4	0	9,65	6,2	59,84	10,58
14	6,5	4,1	524,75	0	9,86	2,73	26,9	5,13
15	0	3,9	495,21	0	10,13	0	0	0

D - Orifice, I1 - Current, P1 - Input Power, n - Speed, p - Vacuum, Q - AirFlow, P2 - AirPower, Eta - Efficiency



CALCULATED FROM MEASUREMENT DATA TO IMPERIAL UNITS & ASTM F588-03 ORIFICE DIAMETERS WITH USE OF SPLINE INTERPOLATION

Measurement Comment :

Code : 497.3.275-733
Voltage / Frequency : 230V / 50Hz
Request number : 04740307
Date of measurement : 28.03.2007
File Name :

230V 50Hz
PAS5000
redna serija

utekavanje 10min, meritev 5 s, proženje 30s

D (inch)	I1 (A)	P1 (W)	n (rpm)	p (inH2O)	Q (CFM)	P2 (W)	Eta (%)	D (mm)
0	3,9	495,21	0	40,67	0	0	0	0
0,25	4,09	523,53	0	39,62	5,55	25,83	4,94	6,35
0,38	4,35	558,39	0	38,86	11,95	54,6	9,78	9,52
0,5	4,71	609,3	0	38,03	20,79	92,98	15,25	12,7
0,63	5,06	658,33	0	36,72	31,76	137,09	20,82	15,88
0,75	5,67	744,91	0	34,94	44,7	183,46	24,63	19,05
0,88	5,98	793,27	0	33,38	59,62	233,87	29,48	22,22
1	6,39	850,48	0	31,62	76,28	283,94	33,35	25,4
1,13	6,85	919,57	0	29,66	94,23	329,03	35,75	28,57
1,25	7,27	984,54	0	27,33	112,53	361,16	36,72	31,75
1,5	7,94	1087,71	0	21,92	148,54	382,01	35,14	38,1
1,75	8,49	1173,96	0	16,85	182,66	361,63	30,83	44,45
2	8,87	1232,61	0	12,54	211,07	310,64	25,2	50,8
2,5	8,95	1245,27	0	6,16	242,97	175,72	14,12	63,5
3	8,96	1247,29	0	3,25	257,94	98,61	7,91	76,2
3,5	8,93	1244,23	0	2,07	265,06	64,24	5,16	88,9

D - Orifice, I1 - Current, P1 - Input Power, n - Speed, p - Vacuum, Q - Airflow, P2 - Airpower, Eta - Efficiency
Note for units conversion: 1 inH2O = 0.2490889 kPa, 1 CFM = 0.4719474 l/s, 1 in = 25.4 mm (NIST Special Publication 811, 1995)

