

Blower data

**Data**

	<b>Air</b>	
q0 per revolution	5.65	dm3/rev
qv 100	1.41	m3/min/100 mbar
No load power at nominal rpm	4	kW
RPM nominal	3260	-/min
RPM actual	2624	-/min
Number of pumps	1	-
Ambient temperature	25	degrC
Ambient pressure	1000	mbar
Blower intake temperature	25	degrC
Pressure	10000	mmWC
Pump displacement (Q0)	0.247	m3/sec
Air displacement (Q1)	0.168	m3/sec
	10.12	m3/min
Volumetric efficiency	68.3	%
Power	27.9	kW

Show blower data
 

**Table calculation**

Pressure	Q1 m3/sec	Q1 m3/min	Vol.Eff %	Outlet temp degr.C	Power kW
0	0.247	14.8	100	25	3.2
1000	0.222	13.3	90	34	5.6
2000	0.212	12.7	85.9	44	8.1
3000	0.204	12.2	82.7	55	10.6
4000	0.197	11.8	80.1	66	13.1
5000	0.192	11.5	77.7	78	15.5
6000	0.186	11.2	75.6	91	18
7000	0.182	10.9	73.7	104	20.5
8000	0.177	10.6	71.8	118	22.9
9000	0.173	10.4	70.1	132	25.4
10000	0.169	10.1	68.5	147	27.9