Air flow test report

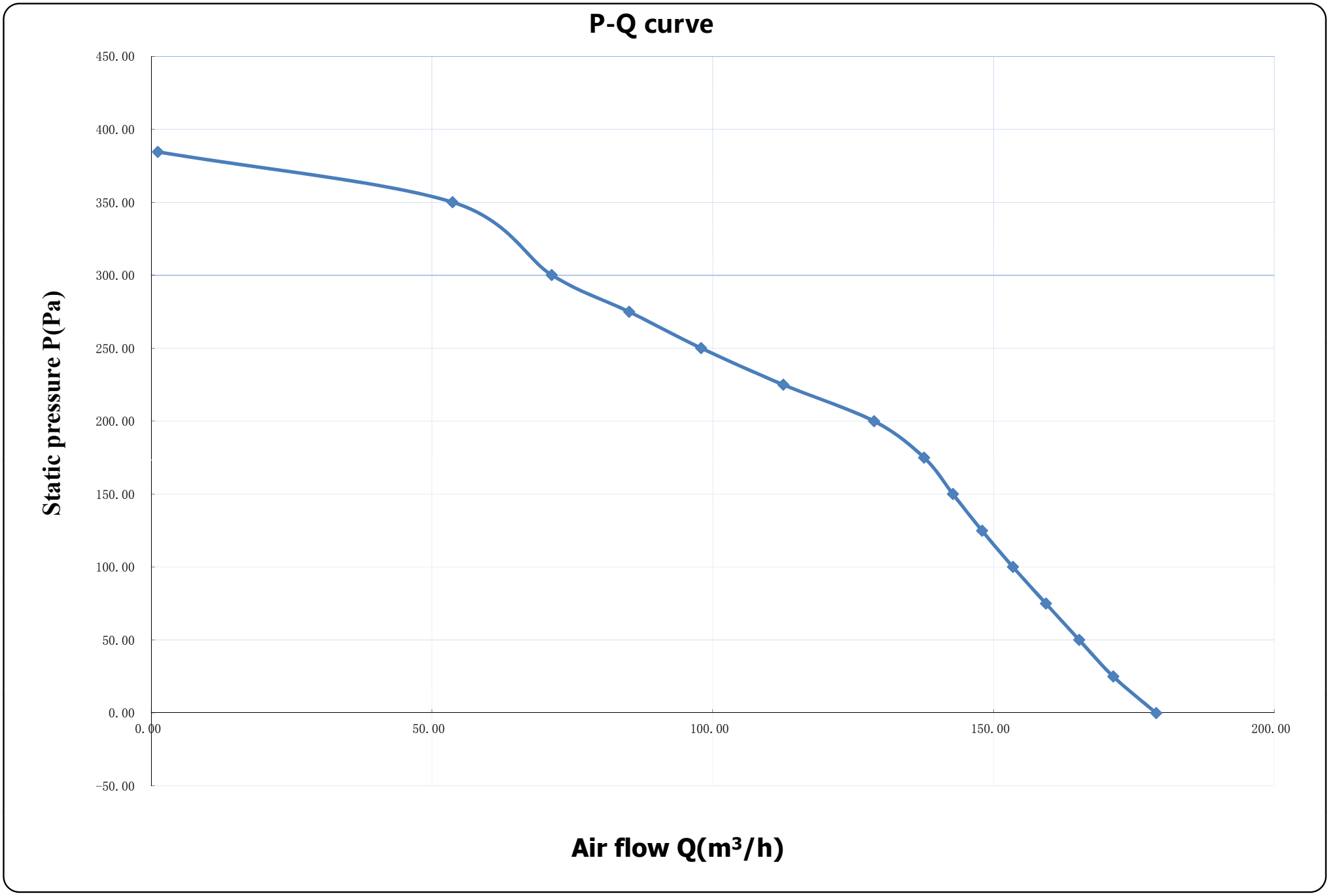
Test number:　　Test Model: ZX1 190 m3/h　　Test date: 2025-12-22 10:06:31

Rated airflow:　　Testing person:　　Test result:

Code	Air supply temperature	Air supply humidity	Room Atmospheric Pressure	outlet static pressure	Differential pressure front and back of the nozzle	Airflow	Nozzle air speed	Voltage	current	Power	Power factor	Frequency	Standard airflow	Airflowenergy efficiency ratio	Nozzle opening amount	Speed 1	Speed 2	Speed 3
	℃	RH%	kPa	Pa	Pa	m3/h	m/s	V	A	W	W/W	Hz	m3/h	-	-	rpm	rpm	rpm
1	20.59	17.71	102.52	-0.10	109.25	178.975	12.92	219.18	0.65	87.65	0.62	50.00	180.722	2.040	1024	0.0	0.0	0.0
1	20.87	16.99	102.60	25.00	382.75	171.334	24.24	219.18	0.65	87.76	0.61	50.00	172.977	1.950	512	0.0	0.0	0.0
1	20.99	16.96	102.56	50.10	356.25	165.257	23.38	219.19	0.65	87.80	0.61	50.00	166.709	1.880	512	0.0	0.0	0.0
1	21.09	16.94	102.56	75.00	331.25	159.337	22.54	219.18	0.65	87.98	0.61	50.00	160.682	1.810	512	0.0	0.0	0.0
1	21.12	16.95	102.60	100.10	307.50	153.462	21.71	219.19	0.65	87.89	0.61	50.00	154.802	1.750	512	0.0	0.0	0.0
1	21.12	16.91	102.52	124.90	285.75	147.967	20.93	219.20	0.65	87.90	0.61	50.00	149.142	1.680	512	0.0	0.0	0.0
1	21.14	16.86	102.56	150.10	266.25	142.770	20.20	219.18	0.66	87.96	0.61	50.00	143.950	1.620	512	0.0	0.0	0.0
1	21.12	16.83	102.56	175.00	247.50	137.635	19.47	219.18	0.65	87.63	0.61	50.00	138.782	1.570	512	0.0	0.0	0.0
1	21.09	16.80	102.52	200.00	230.25	128.728	18.78	219.21	0.65	87.70	0.61	50.00	130.796	1.510	512	0.0	0.0	0.0
1	21.09	16.55	102.52	225.00	405.75	112.565	24.92	219.15	0.65	88.09	0.61	50.00	116.600	1.460	272	0.0	0.0	0.0
1	21.10	16.53	102.52	250.10	371.25	97.921	23.82	219.19	0.65	88.04	0.61	50.00	103.906	1.400	272	0.0	0.0	0.0
1	21.11	16.51	102.56	275.00	337.50	85.106	22.69	219.19	0.65	88.01	0.61	50.00	88.087	1.330	272	0.0	0.0	0.0
1	21.13	16.53	102.52	300.20	46.00	71.320	8.32	219.77	0.13	10.68	0.37	50.00	75.126	14.810	1296	0.0	0.0	0.0
1	21.13	16.53	102.52	350.10	46.00	53.656	8.32	219.77	0.13	10.68	0.37	50.00	57.985	14.810	1296	0.0	0.0	0.0
1	21.13	16.53	102.52	384.60	46.00	1.181	8.32	219.77	0.13	10.68	0.37	50.00	1.432	14.810	1296	0.0	0.0	0.0

WORKING CURVE 180 m³/H

Optimal point: ≈ 120–140 m³/h at ≈ 200 Pa – Excellent


P-Q curve
Static pressure P(Pa)
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
-50.00
0.00
50.00
100.00
150.00
200.00
Air flow Q(m³/h)