

# Air flow test report

Test number:  
Rated airflow:

Test Model: ZX1 250 m3/h  
Testing person:

Test date: 2025-12-22 11:13:37  
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
	°C	RH%	kPa	Pa	Pa	m3/h	m/s	V	A	W	W/W	Hz	m3/h	-	-	rpm	rpm	rpm
1	21.43	18.61	102.28	0.10	391.25	237.485	24.50	218.93	1.15	162.79	0.65	50.00	240.550	1.450	640	0.0	0.0	0.0
1	21.47	18.18	102.32	24.90	370.25	228.923	23.81	218.94	1.14	162.45	0.65	50.00	230.017	1.410	640	0.0	0.0	0.0
1	21.51	17.92	102.32	50.10	348.75	222.130	23.11	218.94	1.15	162.67	0.65	50.00	223.162	1.370	640	0.0	0.0	0.0
1	21.55	17.70	102.32	75.10	331.50	216.580	22.53	218.93	1.15	162.56	0.65	50.00	217.556	1.330	640	0.0	0.0	0.0
1	21.54	17.42	102.32	100.10	316.50	211.656	22.02	218.88	1.15	162.39	0.65	50.00	212.617	1.300	640	0.0	0.0	0.0
1	21.55	17.34	102.32	125.10	302.50	206.919	21.52	218.90	1.15	162.67	0.65	50.00	207.852	1.270	640	0.0	0.0	0.0
1	21.60	17.19	102.28	150.00	287.00	201.569	20.97	218.90	1.15	162.51	0.65	50.00	202.364	1.240	640	0.0	0.0	0.0
1	21.60	17.13	102.28	175.30	267.00	191.315	20.30	218.90	1.15	162.51	0.65	50.00	192.352	1.240	640	0.0	0.0	0.0
1	21.57	17.08	102.24	199.90	258.75	171.341	19.90	218.92	1.15	162.79	0.65	50.00	172.041	1.180	640	0.0	0.0	0.0
1	21.59	17.00	102.32	225.00	447.25	155.927	26.30	218.91	1.15	163.01	0.65	50.00	156.740	1.140	512	0.0	0.0	0.0
1	21.58	16.99	102.24	250.00	425.75	131.437	25.67	218.92	1.15	163.03	0.65	50.00	132.094	1.110	512	0.0	0.0	0.0
1	21.61	16.96	102.24	275.00	403.50	106.632	24.99	218.93	1.15	163.20	0.65	50.00	107.253	1.080	512	0.0	0.0	0.0
1	21.62	16.85	102.28	300.10	375.50	86.331	24.10	218.90	1.15	162.83	0.65	50.00	88.611	1.050	512	0.0	0.0	0.0
1	21.54	16.70	102.24	350.00	339.50	63.991	22.91	218.88	1.15	163.11	0.65	50.00	65.546	0.990	512	0.0	0.0	0.0
1	21.54	16.70	102.24	400.20	339.50	41.454	22.91	218.88	1.15	163.11	0.65	50.00	43.648	0.990	512	0.0	0.0	0.0
1	21.54	16.70	102.24	437.40	339.50	1.954	22.91	218.88	1.15	163.11	0.65	50.00	2.563	0.990	512	0.0	0.0	0.0

WORKING CURVE 240 m<sup>3</sup>/H  
Optimal point: ≈ 140–160 m<sup>3</sup>/h at ≈ 220–250 Pa – Excellent

**P-Q curve**

