

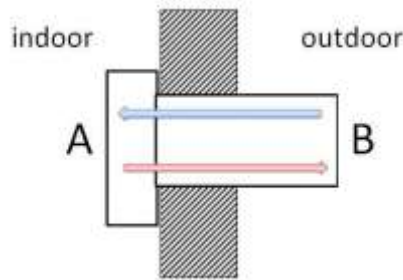
TEST REPORT

Description	SINGLE ROOM HEAT RECOVERY VANTILATOR
Model	WR 64™
Testing Date	JUNE,17,2021
Testing Standards	Refer to GB/T7725-2009
Testing equipment	Enthalpy-difference method measuring equipment
Testing Items	Sensible heat exchange capacity in winter
Test results	Refer to following pages for testing results

TEST REPORT

Model: WR 64	Condenser & Evaporator:	Compressor Model:	Working Condition: Cooling
Indoor Unit No.:	Outdoor Unit No.:	Rated Cooling Capacity:	Indoor DB Outdoor DB
Nominal Voltage: 230V	Rated Power: 11.4 W	Rated Heating Capacity:	20.00°C 7.00°C
Capillary:	Rated Current:0.08 A	Refrigerant Charge:	Indoor WB Outdoor WB
Working Pressure:	Power Supply: 220/1/50	Airflow:64m ³ /h	19.00°C 6.00°C

Testing diagram



Test items	0.00	25sec	50sec	75sec	100sec	125sec	150sec	175sec
Indoor DB (°C)	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Indoor WB (°C)	15.00	15.00	15.00	14.90	15.00	15.00	15.00	14.90
Outdoor DB (°C)	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Outdoor WB (°C)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
A point DB (°C)	19.60	16.30	14.20	12.70	20.01	20.01	19.98	20.00
A point air WB (°C)	12.63	12.73	9.58	8.68	14.99	14.99	15.00	14.93
B point DB (°C)	7.00	7.00	7.00	7.00	8.10	8.90	10.70	12.40
B point air WB (°C)	6.00	6.00	6.00	6.00	7.98	8.81	10.49	12.01
Static Pressure Diff (Pa)	27.30	27.30	20.58	27.30	27.30	27.30	27.30	27.30
Static Pressure (Pa)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A point Enthalpy (kJ/kg)	34.87	30.24	26.92	25.32	41.89	41.89	41.89	41.89
B point Enthalpy (kJ/kg)	20.58	20.58	20.58	20.58	24.75	26.58	30.43	34.13
Enthalpy Difference (kJ/kg)	14.29	9.66	6.34	4.74	17.14	15.31	11.46	7.76
Airflow (m ³ /h)	64.00	64.00	64.00	64.00	58.00	58.00	58.00	58.00
Voltage (V)	219.90	220.00	219.90	220.00	220.00	220.00	219.90	220.00
Current (A)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Input power (W)	11.40	11.50	11.40	11.40	11.40	11.40	11.40	11.4
Frequency (Hz)	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Atmosphere (kPa)	101.56	101.59	101.60	101.62	101.61	101.60	101.59	101.60
Heat recovery eff. (%)	96.92%	71.54%	55.38%	43.85%	91.54%	85.40%	71.49%	58.46%
Nozzle:	-							

Introduction of Test Lab

Design Standards

GB/T7725, ISO 5151, EN 14511, ARI 210/240, AS/NZS 3823.2

Testing the cooling (heating) capacity of air conditioner by indoor air enthalpy potential method (by bilateral enthalpy potential method under Northern America working condition), available for the test of all kinds of single/three phases packaged/split/unitary air conditioner. The system can control the working conditions semi-automatically, judge the stable conditions and record automatically.

Test Items

1. Rated cooling capacity
2. Rated heating capacity
3. Providing the environmental conditions for the following tests: a.
Maximum or minimum operating cooling capacity
b. Maximum or minimum operating heating capacity c.
Condensation
d. Condensate water
e. Frost
f. Defrost

Technical Specifications

1. Range of cooling capacity: 1800~7000W
2. Range of heating capacity: 1500~8000W
3. Range of airflow: 250~2500m³/h
4. Control accuracy of working conditions: Within $\pm 0.2^{\circ}\text{C}$
5. Range of temperature control: $-15^{\circ}\text{C} \sim 60^{\circ}\text{C}$
6. Range of static pressure: 0-20