

Test No.:

Test time: 2025-10-08 09:19

Tested machine model: ZX1 series

Filter Type: 22222

Test items: 333

Compressor Model: 44

Rated voltage:

Rated air supply: 250

Exchanger specifications:

Rated current:

Rated exhaust air: 250

Throttle valve:

Rated power:

ERC auxiliary power: 112

refrigerant:

Power phases:

Supply air static pressure:

Environmental conditions	
Indoor dry ball	21.00
Indoor wet ball	13.00
Outdoor Dry Ball	2.00
Outdoor wet ball	1.00

serial number	Test items	unit	1#	2#	3#	4#	5#	6#	7#	average value
Indoor data	Indoor dry ball	℃	21.01	21.02	21.04	21.04	21.02	21.02	20.99	21.02
	Indoor wet ball	℃	13.54	13.54	13.54	13.54	13.52	13.52	13.52	13.53
	Room atmospheric pressure	kPa	100.80	100.78	100.80	100.80	100.82	100.80	100.84	100.81
	SA Supply Air Dry ball Temperature	℃	18.86	18.89	18.91	18.86	18.91	18.86	18.89	18.88
	SA supply air wet ball temperature	℃	11.92	11.92	11.90	11.93	11.90	11.92	11.90	11.91
	SA air supply static pressure	Pa	50.50	50.90	49.90	49.35	50.25	49.60	50.00	50.07
	SA air supply nozzle pressure difference	Pa	189.00	199.25	199.75	192.00	196.00	191.25	189.87	193.87
	SA air supply airflow	m3/h	43.38	44.57	44.62	43.73	44.19	43.64	43.48	43.94
	RA return air dry ball temperature	℃	21.01	21.02	21.04	21.04	21.02	21.02	20.99	21.02
	RA return wet ball temperature	℃	13.54	13.54	13.54	13.54	13.52	13.52	13.52	13.53
	RA return air static pressure	Pa	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Outdoor data	Outdoor Dry Ball	℃	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.01
	Outdoor wet Ball	℃	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00
	Outdoor relative humidity	RH%	77.51	77.47	77.41	77.33	77.27	77.10	77.09	77.31
	EA exhaust dry ball temperature	℃	6.06	6.09	6.09	6.09	6.11	6.09	6.09	6.09
	EA exhaust wet ball temperature	℃	3.69	3.64	3.71	3.69	3.67	3.69	3.69	3.68
	EA exhaust static pressure	Pa	49.40	49.95	49.75	50.05	49.15	48.80	49.50	49.51
	EA exhaust nozzle pressure difference	Pa	187.00	187.87	185.87	187.25	182.12	176.12	173.25	182.79
	EA exhaust airflow	m3/h	42.27	42.38	42.14	42.30	41.70	41.00	40.65	41.78
	OA fresh air dry ball temperature	℃	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.01
	OA new wet ball temperature	℃	1.00	1.00	1.00	1.00	1.01	1.00	1.01	1.00
OA fresh air static pressure	Pa	-2.90	-2.90	-2.90	-2.85	-2.95	-3.00	-2.95	-2.92	
Electrical parameter data	Voltage	V	219.88	219.86	219.86	219.88	219.86	219.86	219.88	219.87
	Current	A	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
	power	W	13.28	13.41	13.22	13.32	13.31	13.17	13.15	13.27
	Power Factor	%	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
	Power frequency	Hz	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Static pressure loss, total pressure and input power	Pss air supply static pressure loss	Pa	53.40	53.80	52.80	52.20	53.20	52.60	52.95	52.99
	Psp exhaust air static pressure loss	Pa	50.40	50.95	50.75	51.05	50.15	49.80	50.50	50.51
	Pqs air supply volume residual pressure outside the machine	Pa	53.68	54.09	53.10	52.48	53.49	52.88	53.23	53.28
	Pqp exhaust air volume external residual pressure	Pa	50.66	51.22	51.01	51.32	50.41	50.05	50.75	50.77
	Ps0 standard air supply static pressure loss	Pa	53.26	53.67	52.67	52.06	53.06	52.46	52.79	52.85
	Pp0 standard exhaust air volume static pressure loss	Pa	48.06	48.60	48.40	48.69	47.83	47.50	48.15	48.18

	Pqs0 standard air supply volume external residual pressure	Pa	53.54	53.97	52.97	52.35	53.35	52.74	53.07	53.14
	Pqp0 standard exhaust volume external residual pressure	Pa	48.32	48.86	48.65	48.94	48.07	47.74	48.38	48.42
	Standard input power	W	12.67	12.79	12.60	12.70	12.70	12.56	12.53	12.65
Exchange efficiency and energy efficiency ratio	Sensible heat exchange efficiency	%	94.30	94.45	94.55	94.40	94.50	94.35	94.39	94.42
	Moisture exchange efficiency	%	86.20	86.45	86.70	86.35	86.60	86.30	86.55	86.45
	Total heat exchange efficiency	%	93.55	93.75	93.90	93.70	93.85	93.65	93.80	93.74
	ERC energy recovery ratio	-	2.77	2.84	2.84	2.79	2.81	2.78	2.77	2.80
	ERV Energy Efficiency Factor	-	23.43	23.85	24.16	23.57	23.74	23.77	23.66	23.74
Air volume box nozzle air speed	SA air volume box nozzle wind speed	m/s	17.05	17.51	17.53	17.18	17.37	17.15	17.09	17.27
	EA air volume box nozzle air speed	m/s	16.61	16.65	16.56	16.62	16.39	16.11	15.98	16.42
Indoor SA duct diameter:			160			Indoor RA duct diameter:			160	
Outdoor EA duct diameter:			160			Outdoor OA duct diameter:			160	
Nozzles used for indoor SA air volume box:			30							
Nozzle used for outdoor EA air volume box:			30							
in conclusion:						Remark:				
test:						Audit:				