IZUMI
AIR CONDITIONER

CHILLED WATER FAN COIL UNITS

CEILING-FLOOR TYPE

ZNM Series

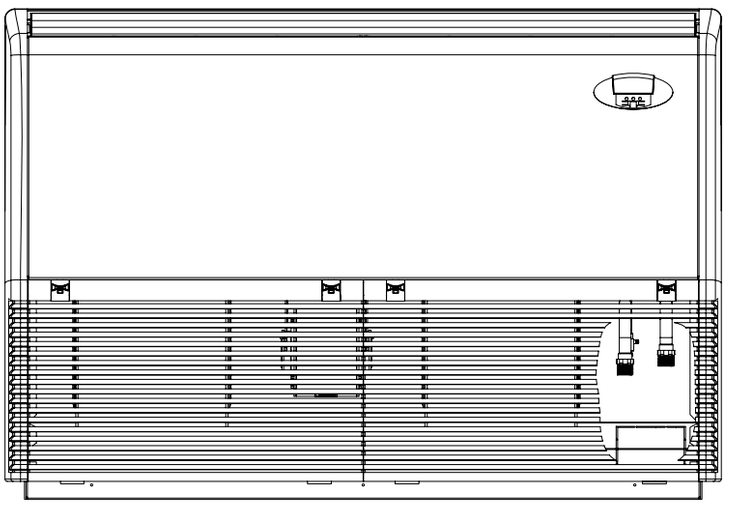
IZUMI CORPORATION,TOKYO,JAPAN

CEILING - FLOOR TYPE

AVAILABLE SIZE : 2700 - 15220 (COOLING)
3690 : 19240 (HEATING)

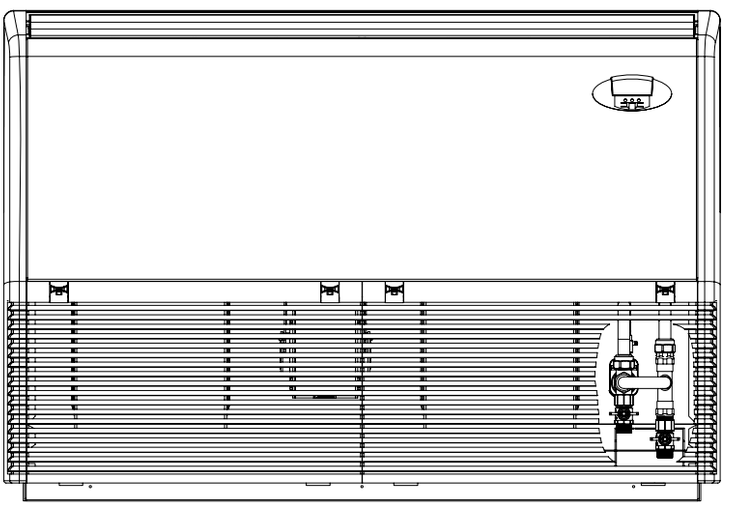
There is an increase demand for exposed and decorative water floor/ceiling or universal fan coil units in the world market, particularly in Europe. In response to this demand trend, Izumi has developed, out of the existing floor/ceiling units, the hydronic versions of its direct expansion units, which are the same in appearances, dimensions and constructions except the coil circuits and the controls. So customers can still enjoy the same beauty and flexibility of these units as they do those of the beautiful direct expansion units.

The units are extremely slim and compact in case of the 2.7Kw up to 5.9 Kw units, which are in big demand in Europe. The floor/ceiling units have up to 15.2 Kw capacity.
These fan coil units come complete with wireless controls which can be used for either chilled or hot water application.



Model: IZSN10MPVC/H
to IZSN60MPVc/H
(Without valve)

Model: IZSN10MQPVC/H
to IZSN60MQPVC/H
(Complete with 3-way valve and shut off valve)



TECHNICAL SPECIFICATION

Model		IZSN13MPVC/H-CW	IZSN13MPVC/H-CW	IZSN18MPVC/H-CW	IZSN24MPVC/H-CW	IZSN32MPVC/H-CW	IZSN36MPVC/H-CW	IZSN48MPVC/H-CW	IZSN60MPVC/H-CW
Chilled water cooling(A)	Total capacity (Watts)	2700	3480	5980	6500	7780	10040	13020	15220
	Sensible capacity (Watts)	2090	2500	4370	4810	6270	7540	10280	11700
	Water flow rat e (l/hr)	462	593	1026	1115	1335	1721	2234	2610
	Pressure drop (kPa)	14	17	16	19	21	45	30	34
Hot water heating(B)	Capacit y (Watts)	3690	4210	7480	8170	10470	12360	17040	19240
Hot water heating (C)	Capacity (Watts)	6340	7070	12610	13780	17910	20800	28940	3250
	Water flow rate (l/hr)	556	620	1105	1208	1571	1824	2540	2850
	Pressure drop (kPa)	14	15	16	17	21	38	29	31
Inlet and Outle t	Type	Male water pipe thread							
Pipe Connectio n	Diameter Nominal (Inch)	1/2	1/2	1/2	3/4	1	1	1	1
Drain Connectio n	Diameter (mm.)	OD 16	OD 16	OD 16	OD 16	OD 16	OD 16	OD 16	OD 16
Evaporator Coil	Face area (m2)	0.158	0.158	0.256	0.256	0.357	0.357	0.41	0.492
	Row	2	3	3	3	2	3	3	3
	Fin type / Fin pitc h	Louver/1.4 1	Louver/1.5 8	Louver/1.8 1	Louver/1.8 1	Louver/1.8 1	Louver/2.1 1	Louver/1.8 1	Louver/1.81
	Tube diameter (mm.)	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smoot h	Ø9.5 Smooth
Fan	Type	Double inlet centrifugal fan							
	Size Dia x Lengt h (mm.)	102x17 8	102x17 8	127x21 6	142x19 9	142x19 9	142x19 9	154x22 9	154x229
	No.	2	2	3	3	4	4	4	4
Fan motor	Type	Permanent split capacitor							
	Power supply (V/Ph/Hz)	220-240/1/50							
	Power input (W)	62	62	90	104	194	194	390	390
	Running current (A)	0.25	0.25	0.4	0.46	0.84	0.85	2.25	2.25
	RPM T/H/M/ L	1330/1290/1230/117 0	1320/1280/1220/1160	1280/1230/1180/108 0	1220/1150/1080/101 0	1240/1200/1130/107 0	1310/1270/1220/116 0	1380/1300/1210/1140	1390/1280/1200/1100
Norminal Air Flow Rate	m^3/hr T/H/M/L	510/480/450/420	500/470/440/410	960/930/885/82 0	1070/990/980/90 0	1780/1680/1580/150 0	1770/1680/1600/152 0	2410/2270/2130/200 0	2650/2430 /2280/2060
Sound Pressure leve l	dB(A) T/H/M/ L	43/42/41/39	42/41/39/37	45/44/41/39	48/47/44/4 2	48/46/44/42	48/47/46/4 4	52/51/49/4 7	52/51/50/48
Dimensio n	HxWxD (mm.)	660x860x200	660x860x200	660x1256x20 0	160x1256x23 5	660x1650x23 5	660x1650x23 5	660x1862x273	660x1862x273
Net Weight	Kg.	30	31	41	43	55	57	66	73

Note :-
A - Cooling : Inlet water temperature 7°C; Outlet water temperature 12°C; Inlet air temperature 27° CDB,19° CWB.
B - Heating : Inlet water temperature 50°C; Same water flow as in cooling ; Inlet air temperature 20° CDB.
C - Heating : Inlet water temperature 70°C; Outlet water temperature 60°C; Inlet air temperature 20° CDB.
Pressure drops : are excluded valve.

PERFORMANCE DATA

MODEL	WATER TEMP RIE S K.	ENTERING AIR TEMPERATURE °C																	
		17°CWB			18°CWB			19°CWB			20°CWB			21°CWB			22°CWB		
		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTAL	SENSIBLE	
		CAP.	23 D B	24 D B	CAP.	24 D B	25 D B	CAP.	26 D B	27 D B	CAP.	27 D B	28 D B	CAP.	28 D B	29 D B	CAP.	29 D B	30 DB
IZSN10MPVC-CW	4	2.62	1.92	2.04	3.04	2.08	2.21	3.45	2.37	2.50	3.85	2.53	2.66	4.34	2.68	2.82	4.82	2.83	2.97
	5	2.3	1.72	1.85	2.75	1.91	2.04	3.18	2.21	2.34	3.59	2.38	2.51	4.09	2.54	2.67	4.59	2.70	2.84
	6	1.23	1.18	1.23	2.12	1.58	1.70	2.62	1.91	2.03	3.07	2.09	2.21	3.58	2.27	2.39	4.09	2.44	2.57
	7	1.09	0.99	1.09	1.32	1.19	1.30	2.10	1.65	1.76	2.67	1.89	2.01	3.24	2.10	2.22	3.77	2.28	2.40
	8	-	-	-	1.11	0.96	1.06	1.34	1.26	1.34	1.57	2.35	1.46	2.67	1.81	1.93	3.30	2.05	2.16
	9	-	-	-	0.87	0.82	0.87	1.10	1.01	1.10	1.33	1.22	1.32	1.61	1.32	1.43	2.57	1.69	1.80
IZSN13MPVC-CW	4	3.19	2.23	2.37	3.64	2.40	2.54	4.07	2.71	2.84	4.51	2.87	3.01	5.03	3.03	3.17	5.55	3.19	3.33
	5	2.95	2.09	2.22	3.42	2.27	2.41	3.87	2.58	2.72	4.31	2.75	2.89	4.84	2.92	3.06	5.37	3.09	3.22
	6	2.67	1.92	2.05	3.16	2.13	2.26	3.63	2.45	2.58	4.09	2.63	2.76	4.64	2.81	2.94	5.18	2.98	3.12
	7	2.00	1.55	1.67	2.67	1.85	1.98	3.18	2.19	2.33	3.68	2.40	2.53	4.27	2.61	2.73	4.84	2.80	2.92
	8	1.31	1.20	1.31	1.63	1.33	1.45	2.62	1.89	2.01	3.19	2.13	2.26	3.88	2.39	2.52	4.47	2.60	2.73
	9	0.97	0.91	0.97	1.31	1.15	1.25	1.64	1.40	1.51	2.48	1.78	1.89	3.29	2.09	2.22	3.95	2.34	2.46
IZSN18MPVC-CW	4	5.55	3.90	4.15	6.35	4.21	4.46	7.13	4.76	5.01	7.91	5.05	5.30	8.85	5.34	5.59	9.79	5.62	5.88
	5	5.10	3.63	3.87	5.93	3.96	4.21	6.73	4.52	4.77	7.52	4.83	5.07	8.48	5.13	5.38	9.43	5.42	5.67
	6	4.59	3.33	5.37	5.46	3.69	3.93	6.31	4.28	4.51	7.13	4.60	4.82	8.09	4.91	5.12	9.00	5.19	5.39
	7	3.32	2.65	2.87	4.45	3.14	3.36	5.47	3.80	4.04	6.35	4.17	4.40	7.37	4.52	4.76	8.37	4.85	5.09
	8	1.90	1.78	1.90	2.38	2.13	2.33	4.40	3.24	3.46	5.42	3.67	3.90	6.52	4.07	4.30	7.56	4.43	4.66
	9	-	-	-	1.89	1.70	1.89	2.39	2.25	2.39	4.10	3.01	3.22	5.55	3.59	3.80	6.72	4.02	4.24
IZSN24MPVC-CW	4	6.03	4.30	4.57	6.90	4.64	4.91	7.75	5.24	5.52	8.60	5.56	5.84	9.63	5.88	6.16	10.65	6.19	6.47
	5	5.53	4.00	4.26	6.44	4.36	4.63	7.31	4.98	5.25	8.17	5.31	5.59	9.21	5.65	5.92	10.25	5.97	6.25
	6	5.01	3.68	3.86	5.95	4.08	4.29	6.75	4.65	4.84	7.59	4.98	5.19	8.57	5.29	5.53	9.58	5.61	5.86
	7	3.72	2.98	3.22	4.86	3.47	3.72	5.89	4.16	4.42	6.92	4.60	4.85	8.00	4.97	5.24	9.09	5.34	5.60
	8	1.96	1.91	1.96	2.47	2.30	2.47	4.83	3.60	3.84	5.90	4.06	4.30	7.08	4.49	4.74	8.21	4.88	5.13
	9	-	-	-	1.96	1.81	1.96	2.46	2.22	2.46	4.61	3.39	3.62	6.06	3.96	4.20	7.30	4.42	4.67
IZSN32MPVC-CW	4	7.45	5.68	6.06	8.58	6.13	6.53	9.69	6.97	7.37	10.80	7.41	7.81	12.15	7.84	8.25	13.51	8.27	8.64
	5	6.78	5.24	5.62	7.94	5.74	6.06	8.84	6.45	6.76	9.85	6.84	7.21	11.23	7.29	7.70	12.35	7.62	8.02
	6	5.44	4.46	4.81	6.64	4.99	5.35	7.79	5.84	6.21	8.92	6.31	6.69	10.26	6.78	7.16	11.61	7.23	7.61
	7	4.40	3.88	4.21	5.76	4.50	4.84	6.98	5.39	5.74	8.15	5.89	6.25	9.54	6.39	6.75	10.90	6.85	7.23
	8	2.96	2.91	2.96	4.10	3.58	3.89	5.69	4.65	4.97	6.99	5.23	5.57	8.46	5.97	6.15	9.87	6.31	6.66
	9	2.71	2.66	2.71	2.98	2.92	2.98	4.19	3.63	3.82	5.41	4.35	4.67	7.13	5.06	5.39	8.66	5.66	6.00
IZSN36MPVC-CW	4	9.19	6.67	7.10	10.48	7.18	7.61	11.75	8.10	8.54	13.01	8.58	9.02	14.54	9.06	9.50	16.07	9.52	9.97
	5	8.56	6.27	6.69	9.87	6.80	7.22	11.16	7.74	8.16	12.43	8.24	8.67	13.98	8.74	9.17	15.54	9.22	9.66
	6	7.89	5.85	6.25	9.25	6.42	6.81	10.44	7.31	7.65	11.63	7.76	8.15	13.12	8.25	8.65	14.65	8.73	9.16
	7	6.74	5.15	5.53	8.17	5.78	6.17	9.53	6.76	7.16	10.87	7.31	7.71	12.46	7.86	8.27	14.04	8.39	8.80
	8	5.10	4.19	4.53	6.73	4.95	5.30	8.18	5.96	6.33	9.55	6.55	6.93	11.20	7.15	7.54	12.81	7.54	8.11
	9	-	-	-	4.83	3.88	4.20	6.68	5.09	5.43	8.23	5.80	6.16	9.98	6.48	6.86	11.66	7.10	7.48
IZSN48MPVC-CW	4	12.36	9.31	9.92	14.18	10.04	10.66	15.95	11.37	11.99	17.72	12.06	12.69	19.86	12.75	13.38	22.01	13.42	14.06
	5	11.32	8.65	9.25	13.19	9.43	10.04	15.05	10.81	11.32	16.66	11.42	11.92	18.60	12.02	12.55	20.63	12.64	13.26
	6	9.52	7.55	8.11	11.56	8.45	9.03	13.34	9.83	10.41	15.27	10.60	11.18	17.46	11.35	11.96	19.66	12.09	12.69
	7	7.84	6.60	7.13	9.97	7.56	8.11	11.92	8.97	9.53	13.79	9.76	10.34	16.01	10.55	11.14	18.21	11.30	11.89
	8	6.36	5.50	5.95	7.65	6.27	6.78	9.98	7.87	8.40	12.04	8.78	9.33	14.39	9.67	10.23	16.68	10.49	11.06
	9	4..89	4.40	4.80	4.91	4.81	4.90	6.81	6.13	6.60	9.72	7.49	8.01	12.39	8.58	9.11	14.84	9.51	10.06
IZSN60MPVC-CW	4	14.07	10.41	11.09	16.10	11.22	11.91	18.09	12.69	13.38	20.08	13.46	14.16	22.48	14.22	14.92	24.89	14.97	15.67
	5	12.95	9.71	10.36	15.03	10.57	11.23	17.07	12.07	12.74	19.12	12.88	13.57	21.54	13.68	14.28	23.79	14.35	14.95
	6	11.11	8.59	9.15	13.27	9.52	10.12	15.34	11.03	11.69	17.44	11.89	12.56	19.92	12.75	13.41	22.39	13.56	14.23
	7	9.24	7.52	8.11	11.58	8.55	9.16	13.75	10.10	10.73	15.95	11.04	11.67	18.50	11.93	12.59	20.98	12.78	13.44
	8	7.47	6.32	6.85	9.16	7.21	7.78	11.69	8.94	9.53	13.97	9.94	10.55	16.61	10.92	11.54	19.17	11.83	12.45
	9	5.70	5.13	5.60	7.13	6.17	6.67	8.56	7.22	7.75	11.49	8.57	9.14	14.44	9.75	10.34	17.18	10.78	11.38

PERFORMANCE DATA

IZUMI AIR CONDITIONER

COOLING CAPACITY KW(At Turbo Fan Sped)

(7℃ ENTERING WATER TEMP)

MODEL	WATER TEMP RIES K.	ENTERING AIR TEMPERATURE ◦C																	
		17°CWB			18°CWB			19°CWB			20°CWB			21°CWB			22°CWB		
		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTAL	SENSIBLE	
		CAP.	23 DB	24 DB	CAP.	24 DB	25 DB	CAP.	26 DB	27 DB	CAP.	27 DB	28 DB	CAP.	28 DB	29 DB	CAP.	29 DB	30 DB
IZSN10MPVC-CW	4	2.29	1.73	1.82	2.7	1.9	2.00	3.06	2.16	2.28	3.46	2.31	2.44	3.95	2.47	2.61	4.43	2.63	2.76
	5	1.76	1.45	1.57	2.26	1.66	1.78	2.7	1.96	2.09	3.12	2.13	2.26	3.62	2.30	2.43	4.11	2.46	2.59
	6	1.02	0.96	1.02	1.25	1.16	1.25	2.21	1.71	1.82	2.70	1.91	2.03	3.24	2.10	2.23	3.75	2.28	2.40
	7	-	-	-	1.03	0.93	1.02	1.27	1.23	1.27	2.05	1.58	1.69	2.74	1.85	1.97	3.31	2.06	2.18
	8	-	-	-	0.87	0.84	0.87	1.09	1.02	1.09	1.33	1.23	1.33	2.06	1.52	1.63	2.86	1.84	1.95
	9	-	-	-	-	-	-	-	-	-	1.16	1.14	1.16	1.45	1.25	1.35	1.75	1.35	1.46
IZSN13MPVC-CW	4	2.88	2.06	2.20	3.33	2.24	2.38	3.77	2.54	2.68	4.20	2.71	2.85	4.73	2.87	3.02	5.26	3.03	3.17
	5	2.56	1.87	1.99	3.05	2.07	2.19	3.48	2.38	2.50	3.92	2.55	2.68	4.45	2.72	2.85	4.98	2.88	3.01
	6	2.00	1.56	1.68	2.56	1.80	1.92	3.11	2.16	2.29	3.58	2.36	2.49	4.15	2.55	2.68	4.70	2.73	2.86
	7	1.19	1.14	1.19	1.90	1.46	1.58	2.58	1.88	2.00	3.12	2.10	2.23	3.72	2.32	2.45	4.29	2.52	2.65
	8	0.96	0.92	0.96	1.30	1.16	1.27	1.63	1.41	1.52	2.68	1.88	2.00	3.36	2.14	2.26	3.98	2.36	2.49
	9	-	-	-	1.07	1.02	1.07	1.41	1.28	1.39	1.74	1.43	1.54	2.91	1.92	2.04	3.61	2.18	2.30
IZSN18MPVC-CW	4	5.00	3.61	3.86	5.81	3.93	4.18	6.61	4.49	4.72	7.36	4.76	4.99	8.26	5.03	5.27	9.17	5.30	5.54
	5	4.30	3.20	3.44	5.15	3.55	3.79	5.98	4.13	4.37	6.79	4.44	4.69	7.76	4.75	5.00	8.71	5.05	5.30
	6	3.35	2.68	2.89	4.35	3.11	3.33	5.23	3.70	3.93	6.07	4.04	4.27	7.08	4.39	4.62	8.08	4.71	4.96
	7	2.20	2.16	2.20	3.13	2.48	2.68	4.34	3.22	3.44	5.30	3.63	3.85	6.37	4.02	4.24	7.39	4.37	4.60
	8	-	-	-	1.88	1.72	1.88	2.38	2.77	2.38	4.50	3.22	3.43	5.71	3.68	3.90	6.80	4.07	4.30
	9	-	-	-	-	-	-	2.02	1.91	2.02	2.50	2.29	2.48	4.88	3.27	3.48	6.12	3.74	3.96
IZSN24MPVC-CW	4	5.44	3.98	4.26	6.33	4.33	4.59	7.11	4.90	5.15	7.92	5.20	5.46	8.91	5.50	5.77	9.91	5.80	6.08
	5	4.69	3.54	3.80	5.61	3.92	4.18	6.50	4.54	4.81	7.38	4.89	5.16	8.43	5.23	5.50	9.47	5.56	5.83
	6	3.68	2.97	3.21	4.73	3.43	3.68	5.68	4.08	4.33	6.59	4.45	4.71	7.65	4.81	5.07	8.71	5.15	5.42
	7	2.72	2.67	2.72	3.53	2.79	3.02	4.74	3.56	3.80	5.76	4.00	4.25	6.90	4.42	4.67	8.01	4.80	5.06
	8	-	-	-	2.80	2.75	2.80	3.56	2.96	3.18	4.92	3.57	3.80	6.20	4.06	4.30	7.38	4.48	4.73
	9	-	-	-	1.95	1.83	1.95	2.33	2.29	2.33	2.59	2.47	2.59	5.35	3.63	3.86	6.66	4.12	4.36
IZSN32MPVC-CW	4	6.35	5.05	5.43	7.44	5.49	5.88	8.50	6.31	6.70	9.55	6.73	7.12	10.88	7.17	7.56	12.21	7.59	7.99
	5	5.50	4.55	4.91	6.66	5.05	5.42	7.78	5.90	6.27	8.89	6.35	6.73	10.22	6.80	7.19	11.55	7.24	7.63
	6	4.32	3.85	4.18	5.61	4.44	4.78	6.80	5.32	5.67	7.95	5.81	6.18	9.32	6.30	6.67	10.67	6.77	7.14
	7	2.64	2.60	2.64	4.15	3.60	3.91	5.57	4.59	4.92	6.83	5.16	5.51	8.27	5.17	6.07	9.67	6.22	6.58
	8	2.46	2.42	2.46	2.98	2.92	2.98	4.23	3.85	4.15	5.78	4.57	4.90	7.34	5.21	5.55	8.81	5.76	6.11
	9	-	-	-	2.71	2.66	2.71	3.50	3.21	3.39	4.29	3.76	4.08	6.27	4.63	4.95	7.86	5.26	5.60
IZSN36MPVC-CW	4	8.32	6.19	6.59	9.56	6.67	7.08	10.73	7.55	7.96	11.94	8.01	8.43	13.47	8.48	8.93	15.02	8.96	9.40
	5	7.40	5.62	6.03	8.74	6.18	6.59	10.04	7.12	7.54	11.32	7.63	8.06	12.87	8.14	8.57	14.42	8.63	9.06
	6	6.19	4.88	5.25	7.59	5.49	5.88	8.94	6.46	6.87	10.25	7.00	7.41	11.79	7.53	7.93	13.30	8.02	8.43
	7	4.75	4.01	4.35	6.35	4.77	5.13	7.80	5.79	6.16	9.17	6.38	6.77	10.79	6.98	7.37	12.38	7.53	7.93
	8	-	-	-	5.14	4.08	4.41	6.78	5.20	5.55	8.26	5.87	6.24	9.95	6.52	6.90	11.59	7.11	7.50
	9	-	-	-	-	-	-	5.53	4.49	4.82	7.21	5.29	5.63	9.03	6.02	6.38	10.74	6.66	7.03
IZSN48MPVC-CW	4	10.76	8.40	8.96	12.53	9.11	9.73	14.36	10.48	11.10	16.14	11.18	11.80	18.29	11.88	12.51	20.45	12.57	13.19
	5	9.32	7.52	8.10	11.21	8.33	8.92	13.02	9.68	10.28	14.78	10.39	11.00	16.89	11.10	11.71	19.05	11.80	12.41
	6	7.58	6.49	7.03	9.63	7.41	7.97	11.55	8.82	9.38	13.40	9.61	10.18	15.60	10.38	10.97	17.78	11.13	11.72
	7	5.97	5.38	5.90	7.47	6.19	6.70	9.69	7.74	8.27	11.69	8.64	9.18	14.01	9.51	10.07	16.27	10.32	10.89
	8	4.36	4.28	4.30	6.19	5.50	5.80	7.79	6.88	7.18	10.12	7.76	8.29	12.61	8.75	9.30	14.97	9.63	10.19
	9	4.06	3.99	4.00	4.91	4.82	4.90	6.50	5.74	6.02	8.09	6.66	7.15	11.01	7.89	8.41	13.55	8.88	9.42
IZSN60MPVC-CW	4	12.47	9.52	10.13	14.41	10.29	10.92	16.29	11.70	12.39	18.32	12.49	13.19	20.74	13.28	13.97	23.16	14.03	14.73
	5	10.96	8.58	9.22	13.12	9.50	10.16	15.22	11.04	11.70	17.27	11.86	12.53	19.70	12.66	13.35	21.87	13.31	14.01
	6	8.87	7.36	7.95	11.16	8.38	8.99	13.30	9.92	10.55	15.38	10.79	11.43	17.85	11.66	12.31	20.30	12.48	13.13
	7	-	-	-	8.85	7.07	7.63	11.28	8.76	9.35	13.52	9.75	10.36	16.13	10.72	11.34	18.66	11.61	12.24
	8	-	-	-	-	-	-	9.30	7.65	8.21	11.83	8.82	9.40	14.61	9.90	10.51	17.25	10.88	11.49
	9	-	-	-	-	-	-	-	-	-	9.74	7.68	8.23	12.90	8.99	9.57	15.71	10.07	10.66

PERFORMANCE DATA

IZUMI AIR CONDITIONER

COOLING CAPACITY KW(At Turbo Fan Speed)
(7℃ ENTERING WATER TEMP)

MODEL	WATER TEMP RIES K.	ENTERING AIR TEMPERATURE ◦c																	
		17°CWB			18°CWB			19°CWB			20°CWB			21°CWB			22°CWB		
		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTA L	SENSIBLE		TOTAL	SENSIBLE	
		CAP.	23 D B	24 D B	CAP.	24 D B	25 D B	CAP.	26 D B	27 D B	CAP.	27 D B	28 D B	CAP.	28 D B	29 D B	CAP.	29 D B	30 DB
IZSN10MPVC-CW	4	1.83	1.49	1.61	2.27	1.68	1.80	2.69	1.97	2.10	3.10	2.14	2.27	3.59	2.30	2.43	4.07	2.45	2.58
	5	1.10	1.08	1.10	1.78	1.42	1.53	2.27	1.75	1.86	2.72	1.93	2.05	3.23	2.11	2.24	3.74	2.28	2.41
	6	0.96	0.94	0.96	1.03	0.94	1.03	1.73	1.46	1.57	2.30	1.71	1.83	2.87	1.93	2.05	3.40	2.11	2.24
	7	-	-	-	0.87	0.85	0.87	1.09	1.04	1.09	1.33	1.25	1.33	2.42	1.70	1.81	3.02	1.92	2.04
	8	-	-	-	-	-	-	-	-	-	1.16	1.05	1.16	1.47	1.27	1.31	2.53	1.68	1.79
	9	-	-	-	-	-	-	-	-	-	-	-	-	1.10	1.00	1.10	1.35	1.19	1.30
IZSN13MPVC-CW	4	2.43	1.82	1.95	2.90	2.00	2.14	3.35	2.32	2.45	3.79	2.49	2.63	4.32	2.66	2.80	4.85	2.82	2.96
	5	1.98	1.56	1.68	2.50	1.78	1.91	2.98	2.11	2.24	3.44	2.29	2.42	3.99	2.48	2.61	4.55	2.66	2.79
	6	1.18	1.07	1.15	2.09	1.56	1.68	2.64	1.92	2.05	3.14	2.13	2.26	3.71	2.33	2.46	4.27	2.52	2.65
	7	0.96	0.93	0.96	1.29	1.17	1.28	2.18	1.68	1.80	2.77	1.94	2.06	3.39	2.17	2.30	3.98	2.38	2.50
	8	-	-	-	1.07	0.95	1.07	1.40	1.29	1.40	2.25	1.67	1.79	3.01	1.98	2.10	3.65	2.21	2.34
	9	-	-	-	-	-	-	1.17	1.07	1.15	1.49	1.31	1.41	2.48	1.71	1.83	3.26	2.02	2.14
IZSN18MPVC-CW	4	4.11	3.12	3.36	4.96	3.47	3.71	5.77	4.03	4.28	6.56	4.33	4.58	7.49	4.63	4.88	8.43	4.92	5.17
	5	3.34	2.69	2.91	4.26	3.09	3.31	5.11	3.67	3.90	5.94	4.00	4.24	6.91	4.32	4.56	7.87	4.63	4.88
	6	2.34	2.09	2.30	3.51	2.68	2.90	4.48	3.33	3.55	5.36	3.69	3.92	6.38	4.05	4.29	7.38	4.39	4.62
	7	2.20	1.95	2.16	2.56	2.52	2.56	3.64	2.88	3.09	4.68	3.34	3.56	5.79	3.75	3.97	6.84	4.11	4.34
	8	-	-	-	1.87	1.74	1.87	2.85	2.80	2.85	3.73	2.85	3.06	5.09	3.39	3.61	6.22	3.81	4.03
	9	-	-	-	-	-	-	2.01	1.93	2.01	1.97	1.90	1.97	4.11	2.90	3.11	5.50	3.45	3.66
IZSN24MPVC-CW	4	4.45	3.44	3.70	5.35	3.80	4.07	6.21	4.41	4.69	7.07	4.75	5.02	8.08	5.07	5.35	9.10	5.38	5.66
	5	3.63	2.97	3.21	4.62	3.40	3.65	5.54	4.04	4.29	6.43	4.40	4.66	7.49	4.75	5.02	8.54	5.09	5.36
	6	2.43	2.38	2.41	3.83	2.97	3.21	4.86	3.66	3.91	5.81	4.06	4.32	6.92	4.46	4.71	8.00	4.82	5.08
	7	2.26	2.22	2.25	2.74	2.69	2.74	4.00	3.20	3.43	5.09	3.68	3.92	6.28	4.12	4.37	7.41	4.52	4.78
	8	2.10	2.07	2.10	2.57	2.52	2.57	3.06	3.00	3.06	4.14	3.18	3.41	5.54	3.74	3.98	6.75	4.19	4.43
	9	-	-	-	1.94	1.86	1.93	2.33	2.29	2.32	3.16	3.06	3.15	4.57	3.25	3.48	5.99	3.81	4.04
IZSN32MPVC-CW	4	5.37	4.52	4.89	6.51	5.01	5.39	7.61	5.85	6.24	8.71	6.30	6.69	10.03	6.75	7.14	11.35	7.17	7.57
	5	4.28	3.85	4.18	5.51	4.41	4.76	6.67	5.29	5.64	7.80	5.77	6.14	9.15	6.25	6.63	10.50	6.71	7.09
	6	3.61	3.55	3.61	4.49	3.82	4.15	5.76	4.75	5.09	6.95	5.28	5.64	8.35	5.81	6.17	9.73	6.29	6.66
	7	2.88	2.66	2.88	2.72	2.67	2.72	4.68	4.12	4.44	6.01	4.74	5.08	7.49	5.33	5.67	8.91	5.85	6.21
	8	2.21	2.17	2.21	2.48	2.43	2.48	3.66	3.26	3.44	4.85	4.09	4.41	6.52	4.79	5.12	8.02	5.38	5.72
	9	-	-	-	-	-	-	2.99	2.93	2.99	4.13	3.53	3.70	5.28	4.13	4.42	7.04	4.85	5.18
IZSN36MPVC-CW	4	6.93	5.40	5.82	8.22	5.93	6.35	9.46	6.85	7.28	10.70	7.34	7.76	12.23	7.83	8.26	13.76	8.32	8.75
	5	5.90	4.77	5.15	7.27	5.37	5.76	8.58	6.32	6.73	9.88	6.86	7.27	11.42	7.38	7.80	12.97	7.89	8.31
	6	4.88	4.15	4.50	6.37	4.84	5.21	7.76	5.84	6.22	9.10	6.41	6.81	10.68	6.98	7.38	12.25	7.51	7.92
	7	3.39	3.28	3.59	5.30	4.22	4.57	6.83	5.29	5.65	8.24	5.92	6.30	9.89	6.54	6.93	11.49	7.11	7.50
	8	-	-	-	3.74	3.35	3.66	5.71	4.64	4.98	7.28	5.37	5.73	9.02	6.06	6.44	10.68	6.68	7.06
	9	-	-	-	-	-	-	4.08	3.73	4.03	6.13	4.73	5.06	8.05	5.53	5.89	9.80	6.21	6.58
IZSN48MPVC-CW	4	9.06	7.45	8.04	10.89	8.23	8.82	12.67	9.57	10.17	14.43	10.28	10.89	16.55	10.99	11.61	18.68	11.67	12.29
	5	7.40	6.44	6.98	9.38	7.34	7.90	11.25	8.73	9.30	13.08	9.50	10.08	15.26	10.26	10.86	17.42	10.99	11.59
	6	5.48	5.32	5.40	7.85	6.46	6.99	9.88	7.93	8.47	11.80	8.77	9.34	14.06	9.60	10.18	16.27	10.38	10.96
	7	4.06	3.99	4.00	5.69	5.25	5.60	8.26	7.00	7.51	10.37	7.96	8.50	12.75	8.89	9.44	15.04	9.72	10.29
	8	3.94	3.87	3.90	4.49	4.40	4.41	5.77	5.62	5.70	8.66	7.01	7.52	11.29	8.09	8.62	13.70	9.01	9.56
	9	3.65	3.59	3.60	4.08	4.00	4.01	5.36	4.87	5.14	6.64	5.74	6.27	9.56	7.15	7.66	12.21	8.23	8.75
IZSN60MPVC-CW	4	10.39	8.35	9.00	12.45	9.21	9.87	14.45	10.70	11.36	16.43	11.49	12.16	18.81	12.28	12.96	21.20	13.04	13.72
	5	8.60	7.27	7.87	10.81	8.26	8.88	12.91	9.79	10.43	14.97	10.65	11.30	17.41	11.50	12.16	19.84	12.31	12.97
	6	6.59	6.10	6.50	9.17	7.32	7.90	11.44	8.94	9.54	13.58	9.87	10.49	16.11	10.79	11.43	18.60	11.65	12.30
	7	-	-	-	6.97	6.09	6.63	9.70	7.95	8.52	12.04	9.01	9.60	14.70	10.02	10.64	17.27	10.95	11.58
	8	-	-	-	-	-	-	7.30	6.62	7.14	10.22	7.99	8.56	13.13	9.17	9.76	15.82	10.19	10.79
	9	-	-	-	-	-	-	-	-	-	7.62	6.59	7.12	11.28	8.18	8.74	14.22	9.35	9.93

PERFORMANCE DATA

IZUMI AIR CONDITIONER

HEATING CAPACITY KW (At Turbo Speed)

MODEL	Water flow rate	Temp. diff. °K = Water entering temp. - Air entering temp.					
	l/hr	20	30	40	50	60	70
IZSN10MPVC-CW	350	2.34	3.53	4.74	5.96	7.17	8.40
	400	2.39	3.62	4.85	6.09	7.33	8.57
	450	2.44	3.68	4.93	6.19	7.45	8.71
	500	2.48	3.73	5.00	6.27	7.54	8.82
	550	2.50	3.78	5.05	6.34	7.62	8.91
	600	2.53	3.81	5.10	6.39	7.69	8.99
	650	2.55	3.84	5.14	6.44	7.75	9.05
IZSN13MPVC-CW	450	2.72	4.09	5.48	6.86	8.25	9.64
	500	2.75	4.14	5.54	6.94	8.34	9.74
	550	2.78	4.18	5.59	7.00	8.41	9.83
	600	2.80	4.21	5.63	7.05	8.47	9.89
	650	2.82	4.24	5.66	7.09	8.52	9.95
	700	2.83	4.26	5.69	7.13	8.56	10.00
	750	2.85	4.28	5.72	7.16	8.60	10.04
IZSN18MPVC-CW	900	4.90	7.37	9.86	12.36	14.86	17.36
	950	4.93	7.42	9.92	12.43	14.94	17.46
	1000	4.96	7.46	9.97	12.49	15.02	17.54
	1050	4.98	7.50	10.02	12.55	15.08	17.62
	1100	5.00	7.53	10.06	12.60	15.15	17.69
	1150	5.02	7.56	10.10	12.65	15.20	17.76
	1200	5.04	7.59	10.14	12.70	15.26	17.82
IZSN24MPVC-CW	1000	5.36	8.07	10.79	13.52	16.26	19.00
	1050	5.39	8.11	10.85	13.60	16.34	19.09
	1100	5.42	8.15	10.90	13.66	16.42	19.18
	1150	5.44	8.19	10.95	13.72	16.49	19.26
	1200	5.47	8.23	11.00	13.77	16.55	19.33
	1250	5.49	8.26	11.04	13.82	16.61	19.40
	1300	5.51	8.29	11.07	13.87	16.66	19.46
IZSN32MPVC-CW	1200	6.84	10.31	13.80	17.30	20.81	24.32
	1300	6.93	10.43	13.96	17.50	21.04	24.59
	1400	7.00	10.54	14.10	17.67	21.24	24.82
	1500	7.06	10.63	14.22	17.82	21.42	25.03
	1600	7.12	10.71	14.33	17.95	21.58	25.21
	1700	7.17	10.79	14.42	18.07	21.71	25.37
	1800	7.21	10.85	14.51	18.17	21.84	25.51
IZSN36MPVC-CW	1500	8.10	12.18	16.28	20.39	24.49	28.61
	1600	8.16	12.27	16.40	20.53	24.66	28.80
	1700	8.21	12.35	16.50	20.66	24.81	29.00
	1800	8.26	12.42	16.59	20.77	24.95	29.13
	1900	8.30	12.49	16.67	20.87	25.07	29.27
	2000	8.34	12.54	16.75	20.96	25.18	29.40
	2100	8.38	12.59	16.81	21.04	25.27	29.51
IZSN48MPVC-CW	2000	11.16	16.81	22.49	28.19	33.88	39.60
	2100	11.23	16.92	22.63	28.35	34.08	39.83
	2200	11.30	17.01	22.75	28.51	34.27	40.04
	2300	11.36	17.10	22.87	28.65	34.43	40.23
	2400	11.41	17.18	22.97	28.78	34.59	40.41
	2500	11.47	17.26	23.07	28.90	34.73	40.57
	2600	11.51	17.33	23.16	29.01	34.86	40.72
IZSN60MPVC-CW	2400	12.66	19.06	25.48	31.93	38.37	44.83
	2500	12.72	19.15	25.60	32.07	38.54	45.03
	2600	12.78	19.23	25.71	32.20	38.70	45.21
	2700	12.83	19.31	25.81	32.33	38.85	45.38
	2800	12.88	19.38	25.90	32.44	38.98	45.53
	2900	12.93	19.45	25.99	32.55	39.11	45.68
	3000	12.97	19.51	26.07	32.65	39.23	45.82

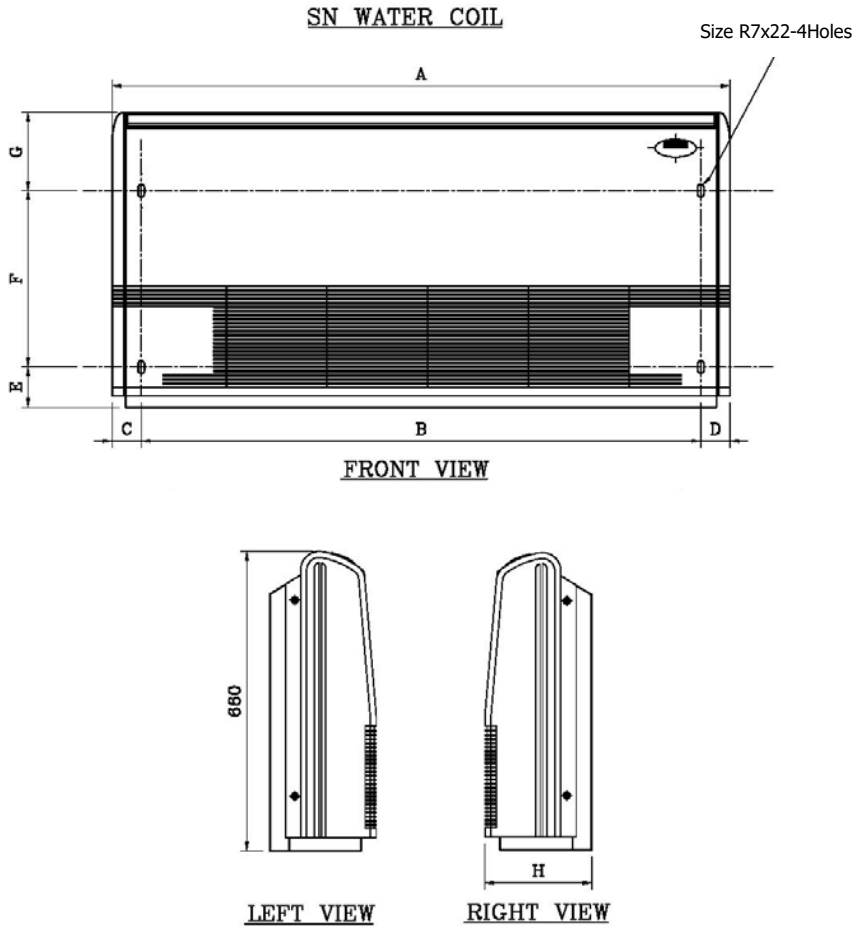
Maximum operating temperature 80°C

Water Pressure drop

Correction Factor

MODEL	CAPACITY	FAN SPEED			
		T	H	M	L
SUSN10MPVC/H	TOTAL	1	0.955	0.908	0.860
	SENSIBLE	1	0.952	0.904	0.855
IZN13MPVC/H	TOTAL	1	0.957	0.914	0.869
	SENSIBLE	1	0.955	0.909	0.862
IZN18MPVC/H	TOTAL	1	0.976	0.938	0.882
	SENSIBLE	1	0.975	0.936	0.879
IZN24MPVC/H	TOTAL	1	0.943	0.936	0.876
	SENSIBLE	1	0.941	0.934	0.872
IZN32MPVC/H	TOTAL	1	0.963	0.924	0.893
	SENSIBLE IZ	1	0.960	0.918	0.885
IZN36MPVC/H	TOTAL	1	0.963	0.930	0.897
	SENSIBLE	1	0.962	0.927	0.892
IZN48MPVC/H	TOTAL	1	0.965	0.927	0.894
	SENSIBLE	1	0.960	0.919	0.882
IZN60MPVC/H	TOTAL	1	0.938	0.895	0.830
	SENSIBLE	1	0.936	0.891	0.824

DIMENSIONS



MODEL	DIMENSIONS (mm)							
	A	B	C	D	E	F	G	H
IZN10-13MPVC/H-CW	860	720	70	70	195	284	181	200
IZN10-18MPVC/H-CW	1,256	1,116	70	70	90	395	175	200
IZN10-24MPVC/H-CW	1,256	1,116	70	70	90	395	175	235
IZN10-32-36MPVC/H-CW	1,653	1,513	70	70	90	395	175	235
IZN48-60MPVC/H-CW	1,862	1,722	70	70	90	385	185	273