

CHILLED WATER FAN COIL UNITS DUCTED TYPE



INSIDE

Technical Specifications

Fan performance Data

Cooling performance Data

Heating performance Data

Unit Dimension & Weight

IZNM - Series

IZUMI CORPORATION, TOKYO, JAPAN

TECHNICAL SPECIFICATIONS (2 Pipe System)

Pipe Arrangement				2-Pipe													
MODEL				IZNM18BPVC		IZNM24BPVC		IZNM30BPVC		IZNM36BPVC		IZNM48BPVC		IZNM60BPVC		IZNM61BPVC	
				CWA	DWA	CWA	DWA	CWA	DWA	CWA	DWA	CWA	DWA	CWA	DWA	CWA	DWA
ESP=25Pa	Water cooling (A)	Total Capacity	(Watts)	4030	2794	6279	4458	7601	5707	9996	7345	15821	11341	16939	12764	18040	13300
		Sensible Capacity	(Watts)	3694	2561	5607	3981	6860	5119	8674	6374	12767	9152	13670	10300	14794	10908
		Water flow rate	(l/hr)	692	267	1078	425	1305	545	1717	701	2717	1082	2909	1218	3098	1269
		Pressure drop	(Kpa)	23.5	18.4	22.6	26.5	24.4	40.9	26.0	31.4	32.5	29.0	79.9	71.3	29.9	32.1
	Water heating (B)	Capacity	(Watts)	5850	4860	8400	7150	10160	8830	13100	11330	20700	17920	21070	18670	24010	20920
		capacity	(Watts)	10190	-	14380	-	17400	-	22310	-	35160	-	35470	-	41020	-
		Water flow rate	(l/hr)	894	-	1260	-	1526	-	1957	-	3084	-	3111	-	3597	-
	Water heating (C)	Pressure drop	(Kpa)	30.0	-	23.1	-	25.9	-	26.2	-	31.3	-	65.8	-	31.1	-
		Air Flow	(l/s)	374		498		609		703		872		872		980	
	ESP=50Pa	Water cooling (A)	Total Capacity	(Watts)	3638	2512	6011	4283	7362	5525	9527	6988	14878	10594	15941	11950	17018
Sensible Capacity			(Watts)	3266	2255	5338	3803	6604	4956	8174	5996	11932	8496	12785	9584	13836	10550
Water flow rate			(l/hr)	625	240	1032	409	1264	527	1636	667	2555	1011	2737	1140	2923	1238
Pressure drop			(Kpa)	19.1	15.3	20.9	24.7	23.1	38.7	23.9	28.6	29.1	25.7	69.0	63.4	27.0	30.7
Water heating (B)		Capacity	(Watts)	5320	4410	8020	6840	9820	8540	12440	10760	19400	16790	19730	17500	22520	19850
		capacity	(Watts)	9280	-	13720	-	16810	-	21180	-	32920	-	33190	-	38420	-
		Water flow rate	(l/hr)	814	-	1204	-	1474	-	1858	-	2887	-	2910	-	3370	-
Water heating (C)		Pressure drop	(Kpa)	26.4	-	21.3	-	24.3	-	23.3	-	27.9	-	58.5	-	27.7	-
		Air Flow	(l/s)	327		466		580		654		801		801		902	
ESP=75Pa		Water cooling (A)	Total Capacity	(Watts)	3168	2168	5700	4082	6969	5220	9008	6568	13928	9941	14774	11089	15990
	Sensible Capacity		(Watts)	2769	1895	5010	3588	6188	4635	7641	5571	11073	7903	11745	8816	12887	9542
	Water flow rate		(l/hr)	544	207	979	390	1197	498	1547	627	2392	948	2537	1058	2746	1130
	Pressure drop		(Kpa)	15.1	11.8	19.0	22.7	20.9	35.0	21.6	25.7	25.9	22.9	60.3	55.6	24.1	26.1
	Water heating (B)	Capacity	(Watts)	4680	3860	7580	6480	9270	8060	11690	10110	18000	15640	18290	16250	21020	18430
		capacity	(Watts)	8190	-	12970	-	15860	-	19870	-	30510	-	30760	-	35810	-
		Water flow rate	(l/hr)	718	-	1138	-	1390	-	1743	-	2677	-	2700	-	3142	-
	Water heating (C)	Pressure drop	(Kpa)	21.2	-	19.3	-	21.4	-	20.8	-	24.3	-	51.1	-	23.9	-
		Air Flow	(l/s)	274		430		534		599		727		727		826	
	Inlet and Outlet Pipe Connection	Type	Male Water Pipe Thread														
Diameter Nominal		(Inch)	3/4		3/4		1		1		1		1		1		
Drain Connection	Diameter Nominal	(Inch)	3/4		3/4		3/4		3/4		3/4		3/4		3/4		
Evaporator Coil	Face area	(m ²)	0.19		0.19		0.31		0.31		0.42		0.42		0.48		
	Row		2		3		2		3		3		3		3		
	Fin Type/Fin Pitch	(mm.)	Louver/1.2 1		Louver/1.4 1		Louver/1.2 1		Louver/1.2 1		Louver/1.2 1		Louver/1.21		Louver/1.21		
	No. of circuit		6	3	8	4	9	4	12	6	16	9	12	7	19	10	
	Tube	(mm.)	Ø7/Groove d		Ø7/Groove d		Ø7/Groove d		Ø7/Groove d		Ø7/Groove d		Ø7/Groove d		Ø7 Smooth		
Fan	Type	Double Inlet Centrifugal fan															
	Size Dia.X Leugth	(mm.)	Ø183 x 203		Ø203 x 185		Ø203 x 185		Ø203 x 236		Ø203 x 287		Ø203 x 287		Ø203 x 287		
	No.	2		2		2		2		2		2		2			
Fan Motor	Type	Permanent Split capacitor															
	Power supply	(V/Ph/Hz)	220-240/1/50														
	No.	1		1		1		1		1		1		1		1	
	Running current	(A)	1.26		2.12		2.12		2.21		3.49		3.49		3.49		
	Nominal Output	(W)	123		217		217		311		527		527		527		
Nominal are flow rate at static opa	(l/s)	420		530		660		750		940		940		1060			
Sound Pressure level at 1 m.	dB(A)	50/47/45/43/40		50/47/42/38/34		52/48/42/40/35		52/48/42/40/35		59/55/49/45/41		59/55/49/45/41		59/56/50/46/42			
Unit Dimension H x W x D	(mm.)	270x880x513		300x880x633		300x1180x633		300x1180x633		300x1400x633		300x1400x633		360x1400x720			
Packing Dimension H x W x D	(mm.)	316x971x521		358x971x671		358x1271x671		358x1271x671		358x1491x671		358x1491x671		410x1490x745			
Net Weight	(Kg)	26		31		35		43		51		51		62			
Gross Weight	(kg)	28		33		38		46		55		55		68			

Note :

A - Cooling capacity

For standard cooling unit (-CW) is based on : inlet water temp. p.7°C;Outlet water temp. p.12°C;Inlet air temp. p.27°C DB, 19oC WB at turbo fan speed.

For district cooling unit (-DW) is based on : inlet water temp. p.5.5°C;Outlet water temp. p.14.5°C;Inlet air temp. p.24°C DB, 17.8oC WB at turbo fan speed.

B - Heating capacity is based on : Inlet water temp. p.50 °C;Same water flow as in cooling;Inlet air temp. p.20°C DB at turbo fan speed.

C - Heating capacity is based on : Inlet water temp. p.70 °C;Outlet water temp. p.60°C; Inlet air temp. p.20°C DB at turbo fan speed.

Sound pressure level is base on unit with 0.5 inch thick clean aluminium filter and dry coil at ESP 0 Pa.

TECHNICAL SPECIFICATION (4 Pipe System)

Pipe Arrangement			4 Pipe													
MODEL	- CWA		IZNM18BRV		IZNM24BRVH		IZNM30BRVH		IZNM36BRVH		IZNM48BRVH		IZNM60BRVH		IZNM61BRVH	
			COOL	HEAT	COOL	HEAT	COOL	HEAT	COOL	HEAT	COOL	HEAT	COOL	HEAT	COOL	HEAT
ESP=25Pa	Total Capacity	(Watts)	3943	10247	5682	12654	7379	16200	9545	17830	15063	22409	15952	26410	16193	27460
	Sensible Capacity	(Watts)	3615	10247	5074	12654	6659	16200	8283	17830	12095	22409	12857	26410	13035	27460
	Water flow rate	(l/hr)	677	899	976	1110	1267	1421	1639	1564	2587	1965	2379	2316	2781	2410
	Pressure drop	(Kpa)	22.1	12.1	18.9	13.4	23.2	26.7	23.9	12.3	29.8	22.0	69.1	31.5	24.7	26.6
	Air Flow	(l/S)	362		428		582		656		814		865		885	
ESP=50Pa	Total Capacity	(Watts)	3568	9381	5382	11981	7021	15406	9240	17227	14279	21272	14984	24980	15276	25985
	Sensible Capacity	(Watts)	3203	9381	4779	11981	6298	15406	7928	17227	11380	21272	11987	24980	12220	25985
	Water flow rate	(l/hr)	613	823	974	1051	1206	1351	1587	1511	2452	1866	2573	2190	2623	2280
	Pressure drop	(Kpa)	18.5	10.3	17.2	12.2	21.2	24.4	22.6	11.5	27.0	19.6	61.9	28.4	22.2	24.5
	Air Flow	(l/S)	318		395		540		623		753		798		817	
ESP=75Pa	Total Capacity	(Watts)	3134	8376	5107	11369	6603	14483	8712	16209	13435	20032	13848	23370	14114	24180
	Sensible Capacity	(Watts)	2739	8376	4489	11369	5863	14483	7390	16209	10640	20032	11023	23370	11178	24180
	Water flow rate	(l/hr)	538	735	877	997	1134	1270	1496	1422	2307	1757	2378	2050	2424	2120
	Pressure drop	(Kpa)	14.8	8.4	15.7	11.1	19	21.8	20.3	10.9	24.3	17.6	53.8	25.1	19.3	21.1
	Air Flow	(l/S)	270		366		493		569		689		725		737	
Inlet and Outlet Pipe Connection	Type	Male Water Pipe Thread														
	Diameter Nominal	(Inch)	3/4	3/4	3/4	3/4	1	3/4	1	3/4	1	3/4	1	3/4	1	3/4
Drain Connection	Diameter Nominal	(Inch)	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
Evaporator Coil	Face area	(m ²)	0.19	-	0.19	-	0.31	-	0.31	-	0.42	-	0.42	-	0.48	-
	Row		2	-	3	-	2	-	3	-	3	-	3	-	3	-
	Fin Type/Fin Pitch	(mm.)	Louver/1.21	-	Louver/1.41	-	Louver/1.21	-	Louver/1.21	-	Louver/1.21	-	Louver/1.21	-	Louver/1.21	-
	Tube	(mm.)	∅7/Grooved	-	∅7/Grooved	-	∅7/Grooved	-	∅7/Grooved	-	∅7/Grooved	-	∅7/Grooved	-	∅7/Grooved	-
Hot water coil	Face area	(m ²)	-	0.15	-	0.15	-	0.23	-	0.25	-	0.32	-	0.34	-	0.37
	Row		-	2	-	2	-	2	-	2	-	2	-	2	-	2
	Fin Type/Fin Pitch	(mm.)	-	louver/2.11	-	louver/1.81	-	louver/2.11	-	louver/2.11	-	louver/2.11	-	louver/1.81	-	louver/1.81
	Tube	(mm.)	-	∅9.5Smooth	-	∅9.5Smooth	-	∅9.5Smooth	-	∅9.5Smooth	-	∅9.5Smooth	-	∅9.5Smooth	-	∅9.5Smooth
Fan	Type	Double Inlet Centrifugal fan														
	Size Dia.X Leugh	(mm.)	∅ 183 x 203		∅ 203 x 185		∅ 203 x 185		∅ 203 x 236		∅ 203 x 287		∅ 203 x 287		∅ 203 x 287	
	No.	2		2		2		2		2		2		2		
Fan Motor	Type	Permanent Split capacitor														
	Power supply	(V/Ph/Hz)	220-240/1/50													
	No.	1		1		1		1		1		1		1		
	Running current	(A)	1.26		2.12		2.12		2.21		3.49		3.49		3.49	
	Nominal Output	(W)	123		217		217		311		527		527		527	
Nominal are flow rate at static opa	(l/S)	400		460		600		690		870		930		950		
Sound Pressure level at 1 m.	dB(A)	50/47/45/43/40		50/47/42/38/34		52/48/42/40/35		52/48/42/40/35		59/55/49/45/41		59/55/49/45/41		59/56/50/46/42		
Unit Dimension H x W x D	(mm.)	270x880x513		300x880x633		300x1180x633		300x1180x633		300x1400x633		300x1400x633		360x1400x720		
Packing Dimension H x W x D	(mm.)	316x971x521		358x971x671		358x1271x671		358x1271x671		358x1491x671		358x1491x671		410x1490x745		
Net Weight	(Kg)	28		33		38		46		54		55		62		
Gross Weight	(kg)	30		35		41		49		58		60		68		

Note :

- Cooling (Model IZDNM __ BRVH-CWA) capacity is base on : Inlet water temp. 7°C, Outlet water temp. 12°C.
Inlet air temp. 27°CDB, 19°CWB at turbo fan speed.
- Heating (Model IZDNM __ BRV H-CWA) capacity is base on : Inlet water temp. 70°C, outlet water temp. 60°C
Inlet air temp. 20°CDB at turbo fan speed.
- Sound pressure level is base on unit with 0.5 inch thick clean aluminium filter and dry coil at ESP 0 Pa.

FAN PERFORMANCE DATA (2-Pipe System)



MODEL	FAN SPEED	AIR FLOW RATE(l/s)						
		EXTERNAL STATIC PRESSURE(Pa)						
		0	25	50	75	100	125	150
IZNM18BPVC-CWA IZNM18BPVC-DWA	T-B	423	374	327	274	235	-	-
	HI	374	335	289	245	211	-	-
	MED	319	288	250	217	181	-	-
	LOW	286	257	221	190	154	-	-
	SL	251	223	190	164	129	-	-
IZNM24BPVC-CWA IZNM24BPVC-DWA	T-B	531	498	466	430	369	334	-
	HI	471	444	414	369	330	282	-
	MED	394	369	335	307	275	236	-
	LOW	335	311	281	245	208	163	-
	SL	306	277	247	214	182	130	-
IZNM30BPVC-CWA IZNM30BPVC-DWA	T-B	656	609	580	534	483	417	351
	HI	530	504	475	437	393	343	289
	MED	435	415	386	358	324	282	231
	LOW	381	362	330	303	270	232	187
	SL	335	317	288	257	228	193	164
IZNM36BPVC-CWA IZNM36BPVC-DWA	T-B	752	703	654	599	530	466	394
	HI	624	585	545	497	443	390	329
	MED	491	461	427	394	356	311	257
	LOW	405	394	361	327	293	252	205
	SL	350	337	304	272	241	203	157
IZNM48BPVC-CWA -DWA IZNM60BPVC-CWA -DWA	T-B	939	872	801	727	647	566	474
	HI	892	831	767	696	621	542	449
	MED	835	778	719	653	579	504	410
	LOW	745	702	651	593	527	454	367
	SL	663	627	582	530	474	403	324
IZNM61BPVC-CWA IZNM61BPVC-DWA	T-B	1062	980	902	826	737	643	537
	HI	985	914	843	772	690	607	501
	MED	855	802	749	690	625	543	445
	LOW	725	690	655	607	548	472	383
	SL	640	607	578	536	484	413	330

FAN PERFORMANCE DATA (2-Pipe System)

MODEL	FAN SPEED	AIR FLOW RATE(l/s)						
		EXTERNAL STATIC PRESSURE(Pa)						
		0	25	50	75	100	125	150
IZNM18BRVH-CWA	T-B	403	362	318	270	234	-	-
	HI	367	326	287	243	208	-	-
	MED	313	280	243	211	183	-	-
	LOW	278	237	207	181	147	-	-
	SL	250	210	178	153	123	-	-
IZNM24BRVH-CWA	T-B	458	428	395	366	333	300	-
	HI	434	399	378	350	314	280	-
	MED	365	342	303	270	232	209	-
	LOW	322	304	270	240	206	161	-
	SL	290	272	240	212	180	128	-
IZNM30BRVH-CWA	T-B	608	562	540	493	459	396	370
	HI	484	458	427	400	370	337	288
	MED	389	368	340	317	287	263	215
	LOW	332	319	294	272	245	217	175
	SL	297	273	256	232	212	186	158
IZNM36BRVH-CWA	T-B	697	656	623	569	527	450	365
	HI	588	549	515	480	437	370	294
	MED	476	437	411	376	342	289	232
	LOW	394	369	341	314	278	238	189
	SL	350	326	300	260	234	203	156
SUDNM48BRVH-CWA	T-B	878	814	753	689	634	521	420
	HI	849	783	736	665	603	495	402
	MED	797	746	699	626	571	473	386
	LOW	717	676	631	579	539	441	351
	SL	623	572	555	528	472	402	320
IZNM60BRVH-CWA	T-B	927	865	798	725	643	560	445
	HI	881	825	758	688	613	532	425
	MED	808	754	696	630	559	485	388
	LOW	714	675	625	571	508	446	360
	SL	618	584	546	504	454	398	323
IZNM61BRVH-CWA	T-B	950	885	817	737	655	563	460
	HI	909	847	779	702	625	542	434
	MED	838	784	723	649	572	498	400
	LOW	749	708	660	596	496	454	366
	SL	673	637	590	540	480	418	340

PERFORMANCE DATA MODEL - IZNM-18BPVC-CWA



STANDAARD COOLING (7°C ENTERING WATER TEMP.)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWb				24CDB / 17.8CWb				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	374	4	4483	4110	962	42.3	3950	3621	848	33.3	
			5	4030	3694	692	23.5	3255	2984	559	15.8	
			6	3361	3081	481	12.0	1746	1601	250	3.7	
	HIGH	335	4	4298	3879	922	39.2	3661	3304	786	29.5	
			5	3711	3349	637	19.5	2986	2695	513	13.5	
			6	3067	2768	439	10.2	1675	1512	240	3.4	
	MEDIUM	288	4	3855	3387	827	32.3	3243	2850	696	23.4	
			5	3289	2890	565	16.1	2627	2308	451	10.7	
			6	2664	2340	381	7.9	1575	1384	225	3.0	
	LOW	257	4	3534	3062	758	27.2	2971	2574	637	19.8	
			5	3010	2608	517	13.7	2383	2065	409	9.0	
			6	2372	2055	339	6.4	1504	1303	215	2.8	
	SUPER LOW	223	4	3148	2676	676	22.3	2646	2250	568	16.3	
			5	2668	2268	458	11.0	2072	1762	356	7.0	
			6	1732	1473	248	3.6	1412	1200	202	2.5	
	50	TURBO	327	4	4231	3798	908	37.9	3586	3219	770	28.4
				5	3638	3266	625	19.1	2924	2625	502	13.0
				6	2999	2692	429	9.8	1659	1489	237	3.3
HIGH		289	4	3865	3396	829	32.4	3251	2857	698	23.5	
			5	3298	2898	566	16.2	2634	2315	452	10.8	
			6	2671	2347	382	7.9	1577	1386	226	3.1	
MEDIUM		250	4	3449	2981	740	26.6	2900	2507	622	19.1	
			5	2936	2538	504	13.1	2318	2004	398	8.5	
			6	1825	1578	261	4.0	1485	1284	213	2.7	
LOW		221	4	3128	2659	671	21.6	2628	2234	564	16.1	
			5	2649	2252	455	10.9	2054	1746	253	6.9	
			6	1725	1467	247	3.6	1407	1196	201	2.5	
SUPER LOW		190	4	2779	2336	596	17.8	2330	1959	500	12.9	
			5	2328	1957	400	8.6	1507	1267	259	3.9	
			6	1608	1352	230	3.2	1316	1106	188	2.2	
75		TURBO	274	4	3715	3247	979	30.2	3123	2729	670	21.8
				5	3168	2769	544	15.1	2521	2203	433	10.0
				6	2540	2220	364	7.2	1545	1350	221	2.9
	HIGH	245	4	3398	2925	729	25.8	2858	2460	613	18.5	
			5	2892	2489	497	12.8	2278	1960	391	8.3	
			6	1810	1558	259	3.9	1473	1268	211	2.7	
	MEDIUM	217	4	3087	2625	662	21.0	2593	2205	556	15.7	
			5	2612	2220	448	10.6	2019	1717	347	6.7	
			6	1712	1456	245	3.5	1397	1188	200	2.4	
	LOW	190	4	2779	2336	596	17.8	2330	1959	500	12.9	
			5	2328	1957	400	8.6	1507	1267	259	3.9	
			6	1608	1352	230	3.2	1316	1106	188	2.2	
	SUPER LOW	164	4	2459	1915	528	14.3	2054	1698	441	10.3	
			5	2021	1670	347	6.7	1397	1155	240	3.4	
			6	1494	1235	214	2.8	1226	1013	175	1.9	

**PERFORMANCE DATA MODEL IZNM18BPVC-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP.)**

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWb				24CDB / 17.8CWb				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	362	4	4404	4037	945	40.8	3883	3560	833	32.5	
			5	3943	3615	677	22.1	3182	2917	546	15.2	
			6	3281	3008	470	11.5	1727	1583	247	3.6	
	HIGH	326	4	4235	3822	909	37.9	3590	3240	770	28.4	
			5	3642	3287	625	19.2	2928	2642	503	13.0	
			6	3002	2709	430	9.8	1659	1497	237	3.3	
	MEDIUM	280	4	3779	3321	811	31.1	3178	2793	682	22.5	
			5	3224	2833	554	15.5	2569	2257	441	10.3	
			6	2597	2282	372	7.5	1559	1370	223	3.0	
	LOW	237	4	333	2888	715	24.8	2802	2428	601	17.8	
			5	2833	2454	486	12.3	2225	1928	382	7.9	
			6	1790	1551	256	3.8	1457	1262	204	2.7	
	SUPER LOW	210	4	3013	2562	647	20.1	2530	2151	543	15.0	
			5	2545	2164	437	10.1	1584	1347	272	4.3	
			6	1688	1435	242	3.5	1378	1172	197	2.4	
	50	TURBO	318	4	4165	3739	894	37.1	3517	3157	755	27.1
				5	3568	3203	613	18.5	2865	2572	492	12.6
				6	2933	2633	420	9.4	1642	1474	235	3.3
HIGH		287	4	3846	3380	825	31.9	3235	2843	694	23.4	
			5	3281	2883	564	16.1	2620	2302	450	10.7	
			6	2655	2333	380	7.8	1573	1382	225	3.0	
MEDIUM		243	4	3379	2921	725	25.4	2841	2456	610	18.1	
			5	2874	2484	494	12.6	2262	1955	388	8.2	
			6	1804	1559	258	3.9	1469	1270	210	2.7	
LOW		207	4	2982	2535	640	19.8	2503	2128	537	14.7	
			5	2516	2139	432	9.9	1571	1338	270	4.2	
			6	1677	1426	240	3.4	1370	1165	196	2.4	
SUPER LOW		178	4	2646	2225	568	16.3	2216	1863	475	11.8	
			5	2203	1852	378	7.8	1462	1229	251	3.7	
			6	1562	1313	223	3.0	1279	1075	183	2.1	
75		TURBO	270	4	3679	3215	790	29.6	3091	2701	663	21.1
				5	3134	2739	538	14.8	2492	2178	428	9.7
				6	2506	2190	359	7.1	1536	1342	220	2.9
	HIGH	243	4	3379	2908	725	25.4	2841	2445	610	18.1	
			5	2874	2474	494	12.6	2262	1947	388	8.2	
			6	1804	1553	258	3.9	1469	1264	210	2.7	
	MEDIUM	211	4	3024	2571	649	20.3	2539	2159	545	15.1	
			5	2555	2172	439	10.2	1587	1349	272	4.3	
			6	1691	1438	242	3.5	1380	1174	198	2.4	
	LOW	181	4	2680	2253	575	16.7	2244	1887	482	12.1	
			5	2235	1879	384	8.0	1474	1239	253	3.8	
			6	1573	1322	225	3.0	1288	1083	184	2.1	
	SUPER LOW	153	4	2331	1926	500	13.0	1943	1606	417	9.3	
			5	1612	1332	277	4.4	1351	1117	232	3.2	
			6	1445	1194	207	2.6	1188	982	170	1.8	

- I/S = LITER PER SECOND
- TH = TOTAL CAPACITY (W)
- SH = SENSIBLE CAPACITY (W)
- WFR = WATER FLOW RATE (l/hr)
- PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL- IZNM-18BPVC-DWA
DISTRICT COOLING (5.5°C ENTERING WATER TEMP.)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	374	8	4493	4119	482	52.9	3698	3390	397	37.4
			9	3680	3374	351	30	2794	2561	267	18.4
			10	2856	2618	245	15.9	1303	1194	112	3.9
	HIGH	335	8	4131	3728	443	45.6	3407	3075	366	32.4
			9	3427	3093	327	26.5	2566	2316	245	15.9
			10	2616	2360	225	13.6	1255	1133	108	3.7
	MEDIUM	288	8	3675	3229	394	37	3029	1662	325	26.3
			9	3046	2076	291	21.5	2258	1984	215	12.6
			10	2288	2010	197	10.7	1185	1041	102	3.3
	LOW	257	8	3378	2927	363	31.9	2781	2409	298	22.6
			9	2786	2414	266	18.3	2048	1774	195	10.6
			10	2055	1780	177	8.8	1137	985	98	3.1
	SUPER LOW	223	8	3018	2566	324	26.1	2481	2109	266	18.5
			9	2468	2098	235	14.8	1394	1189	133	5.4
			10	1451	1234	125	4.8	1073	912	92	2.8
50	TURBO	327	8	4051	3637	435	44.0	3341	2994	359	31.3
			9	3366	3022	321	25.6	2512	2255	240	15.3
			10	2561	2299	220	13.1	1243	1116	107	3.6
	HIGH	289	8	3683	3236	395	37.2	3037	2669	326	26.4
			9	3054	2684	291	21.6	2264	1989	216	12.7
			10	2294	2016	197	10.8	1186	1042	102	3.3
	MEDIUM	250	8	3300	2853	354	30.6	2716	2348	291	21.7
			9	2718	2350	259	17.6	1992	1722	190	10.1
			10	1989	1719	171	8.4	1123	971	96	3.0
	LOW	221	8	2999	2550	322	25.8	2465	2096	264	18.2
			9	2451	2084	234	14.6	1393	1184	133	5.4
			10	1447	1230	124	4.7	1069	909	92	2.8
	SUPER LOW	190	8	2670	2245	287	21.0	2188	1839	235	14.8
			9	2161	1817	206	11.7	1302	1095	124	4.8
			10	1354	1138	116	4.2	1006	846	86	2.5
75	TURBO	274	8	3546	3099	381	34.7	2921	2553	313	24.6
			9	2934	2564	280	20.1	2168	1895	207	11.8
			10	2189	1913	188	9.9	1164	1017	100	3.2
	HIGH	245	8	3253	2800	349	29.8	2678	2305	287	21.1
			9	2677	2304	255	17.1	1957	1684	187	9.8
			10	1950	1678	167	8.1	1115	960	96	3.0
	MEDIUM	217	8	2960	2517	318	25.2	2432	2068	261	17.8
			9	2417	2055	231	14.3	1383	1176	132	5.3
			10	1435	1220	123	4.7	1062	903	91	2.7
	LOW	190	8	2670	2245	287	21.0	2188	1839	235	14.8
			9	2161	1817	206	11.7	1302	1095	124	4.8
			10	1354	1070	116	4.2	1006	846	86	2.5
	SUPER LOW	164	8	2367	1956	254	17.0	1930	1595	207	11.8
			9	1890	1562	180	9.2	1213	1002	116	4.2
			10	1262	1043	108	3.7	942	778	81	2.2

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-24BPV-CWA



STANDARD COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	498	4	9624	6183	1486	40.4	5978	5338	1283	30.9	
			5	6279	5607	1078	22.6	5146	4595	884	1.6	
			6	5394	4817	772	12.5	4116	3675	589	7.7	
	HIGH	444	4	6467	5713	1388	35.6	5643	4985	1211	27.9	
			5	5823	5145	1000	19.8	4765	4210	818	13.9	
			6	4986	4405	714	10.9	3760	3322	538	6.5	
	MEDIUM	369	4	5887	5104	1263	30.1	5014	4347	1076	22.6	
			5	5136	4453	882	15.9	4191	3633	720	11.1	
			6	4365	3784	625	8.5	3175	2753	454	4.9	
	LOW	311	4	5255	4509	1128	24.6	4438	3808	953	18.1	
			5	4551	3905	781	12.8	3700	3175	635	8.8	
			6	3827	3283	548	6.7	2274	1951	325	2.7	
	SUPER LOW	277	4	4829	4105	1036	21.1	4085	3472	877	15.8	
			5	5487	3559	719	11.1	3386	2878	581	7.5	
			6	3474	2953	497	5.7	2171	1845	311	2.5	
	50	TURBO	466	4	6648	5903	1427	37.4	5794	5145	1243	29.2
				5	6011	5338	1032	20.9	4924	4372	845	14.7
				6	5155	4578	738	11.5	3909	3471	559	7.0
HIGH		414	4	6287	5507	1349	33.9	5430	4757	1165	26.1	
			5	5556	4867	954	18.1	4543	3980	780	12.8	
			6	4746	4157	679	9.9	3543	3104	507	5.9	
MEDIUM		335	4	5537	4767	1188	27.0	4679	4029	1004	20.0	
			5	4799	4132	824	14.1	3909	3365	671	9.7	
			6	4057	3493	581	10.5	2341	2016	335	2.9	
LOW		281	4	4880	4148	1047	21.5	4128	3509	886	16.0	
			5	4230	3595	726	11.3	3424	2910	588	7.7	
			6	3518	2990	503	5.8	2184	1855	312	2.5	
SUPER LOW		247	4	4445	3756	954	18.2	3759	3176	807	13.6	
			5	3849	3252	661	9.4	3087	2608	530	6.4	
			6	2530	2138	362	3.3	2069	1748	296	2.3	
75		TURBO	430	4	6425	5647	1379	35.2	5545	4874	1190	27.1
				5	5700	5010	979	19.0	4662	4088	800	13.9
				6	4875	4285	698	10.4	3660	3217	524	6.3
	HIGH	369	4	5887	5116	1263	30.1	5014	4357	1076	22.6	
			5	5136	4463	882	15.9	4191	3642	720	11.1	
			6	4365	3793	625	8.5	3175	2759	454	4.9	
	MEDIUM	307	4	5205	4450	1117	24.2	4397	3759	943	17.9	
			5	4509	3855	774	12.6	3664	3133	629	8.7	
			6	3787	3238	542	6.6	2263	1935	324	2.7	
	LOW	245	4	4419	3716	948	18.0	3737	3143	802	13.4	
			5	3825	3217	657	9.3	3066	2578	527	6.3	
			6	2521	2120	361	3.3	2062	1734	295	2.3	
	SUPER LOW	214	4	4000	3352	858	15.1	3379	2832	725	11.3	
			5	3438	2881	590	7.7	2725	2283	468	5.1	
			6	2370	1986	339	2.9	1944	1627	278	2.0	

PERFORMANCE DATA MODEL - IZNM-24BPV-CWA

STANDARD COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	428	4	6407	5721	1375	35.0	5530	4938	1187	26.9	
			5	5682	5074	976	18.9	4648	4150	798	13.2	
			6	4860	4340	696	10.4	3645	3255	522	6.2	
	HIGH	399	4	6156	5439	1321	32.6	5293	4676	1136	24.9	
			5	5420	4788	931	17.5	4428	3911	760	12.2	
			6	4622	4083	662	9.4	3427	3027	490	5.6	
	MEDIUM	342	4	5621	4845	1206	27.7	4748	4093	1019	20.5	
			5	4870	4198	836	14.4	3968	3420	681	10.1	
			6	4122	3553	590	7.4	2360	2034	338	2.9	
	LOW	304	4	5168	4417	1109	23.9	4366	3733	937	17.6	
			5	4477	3828	769	12.5	3636	3109	624	8.7	
			6	3757	3212	538	6.6	2254	1927	323	2.7	
	SUPER LOW	272	4	4767	4052	1023	20.7	4032	3427	865	15.4	
			5	4136	3515	710	10.8	3338	2837	573	7.4	
			6	3420	2907	489	5.6	2154	1830	308	2.4	
	50	TURBO	395	4	6120	5435	1313	32.3	5255	4666	1128	24.6
				5	5382	4779	974	17.2	4397	3904	755	12.1
				6	4589	3233	657	9.3	3395	3015	486	5.5
HIGH		378	4	5969	5228	1281	30.9	5101	4468	1095	23.3	
			5	5223	4575	897	16.4	4263	3735	732	11.4	
			6	4443	3891	636	8.8	3254	2850	466	5.1	
MEDIUM		303	4	5156	4408	1106	23.7	4356	3724	935	17.5	
			5	4466	3818	767	12.3	3627	3100	623	8.6	
			6	3747	3204	536	6.5	2251	1925	322	2.7	
LOW		270	4	4741	4030	1017	20.4	4011	3410	860	15.2	
			5	4112	3495	706	10.7	3318	2820	570	7.3	
			6	3398	2888	486	5.5	2148	1826	307	2.4	
SUPER LOW		240	4	4353	3669	934	17.5	3680	3102	790	13.0	
			5	3766	3175	647	9.2	3014	2540	518	6.2	
			6	2498	2106	357	3.2	2044	1723	292	2.2	
75		TURBO	366	4	5859	5149	1257	29.8	4985	4382	1070	22.4
				5	5107	4489	877	15.7	4167	3663	716	11.0
				6	4338	3813	621	8.5	2422	2128	347	3.0
	HIGH	350	4	5712	4963	1226	28.5	4828	4196	1036	21.1	
			5	4950	4301	850	14.8	4035	3506	693	10.3	
			6	4195	3645	600	8.1	2381	2069	341	2.9	
	MEDIUM	270	4	4741	4030	1017	20.4	4011	3410	860	15.2	
			5	4112	3495	706	10.7	3318	2820	570	7.3	
			6	3398	2888	486	5.5	2148	1826	307	2.4	
	LOW	240	4	4353	3669	934	17.5	3680	3102	790	13.0	
			5	3766	3175	647	9.2	3014	2540	518	6.2	
			6	2498	2106	357	3.2	2044	1723	292	2.2	
	SUPER LOW	212	4	3973	3329	852	14.9	3355	2810	720	11.1	
			5	3412	2860	586	7.7	2700	2260	464	5.1	
			6	2360	1978	338	2.9	1935	1620	277	2.0	

I/S = LITER PER SECOND

TH = TOTAL CAPACITY (W)

SH = SENSIBLE CAPACITY (W)

WFR = WATER FLOW RATE (l/hr)

PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-24BPV-DWA
STANDARD COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	498	8	6733	6012	723	67.8	5730	5117	615	50.8
			9	5825	5202	556	42.4	4458	3981	425	26.5
			10	4585	4094	394	23.1	2976	2657	256	10.6
	HIGH	444	8	6382	5638	685	60.8	5318	4698	571	43.7
			9	5398	4769	515	36.4	4162	3677	397	23.2
			10	4249	3754	365	20.0	2671	2360	229	8.8
	MEDIUM	369	8	5661	4908	607	49.8	4695	4070	504	35.8
			9	4770	4135	455	29.8	3707	3214	354	19.2
			10	3741	3243	321	16.1	1832	1588	157	5.6
	LOW	311	8	5032	4317	540	40.5	4177	3584	448	29.1
			9	4228	3628	403	24.1	3285	2818	313	15.5
			10	3300	2831	283	12.9	1725	1480	148	4.1
SUPER LOW	277	8	4643	3946	498	35.2	3853	3275	413	25.3	
		9	3886	3303	371	20.8	3002	2552	286	13.0	
		10	3013	2561	259	11.0	1652	1404	142	3.8	
50	TURBO	466	8	6537	5805	702	64.3	5496	4880	590	47.3
			9	5574	4950	532	39.3	4283	3803	409	24.7
			10	4389	3897	377	21.3	2803	2489	241	9.6
	HIGH	414	8	6123	5364	657	57.2	5078	4448	545	41.1
			9	5154	4515	492	34.2	3990	3495	381	21.7
			10	4052	3549	348	18.6	1903	1667	163	4.9
	MEDIUM	335	8	5295	4559	568	44.2	4397	3786	472	31.9
			9	4461	3841	426	26.6	3467	2985	331	16.8
			10	3489	3004	300	14.2	1770	1524	152	4.3
	LOW	281	8	4690	3986	53	35.8	3892	3308	418	25.7
			9	3927	3338	375	21.2	3036	2380	290	13.4
			10	3048	2591	262	11.3	1661	1412	143	3.8
SUPER LOW	247	8	4282	3618	459	30.4	3550	3000	381	21.9	
		9	3601	3043	343	18.1	2736	1312	261	11.2	
		10	2734	2310	235	9.3	1582	1337	136	3.5	
75	TURBO	430	8	6280	5520	674	59.8	5204	4574	559	42.7
			9	5287	4647	504	35.8	4082	3588	390	22.7
			10	4158	3655	357	19.4	2665	2342	230	8.9
	HIGH	369	8	5661	4919	607	49.8	4695	4080	504	35.8
			9	4770	4145	455	29.8	3707	3221	354	19.2
			10	3741	3251	320	16.1	1832	1592	157	5.6
	MEDIUM	307	8	4987	4264	535	39.8	4140	3540	444	28.7
			9	4189	3581	400	23.8	3250	2779	310	15.2
			10	3267	2793	281	12.7	1716	1467	147	4.1
	LOW	245	8	4257	3580	457	30.1	3530	2969	379	21.6
			9	3581	3012	342	18.0	2717	2285	259	11.1
			10	2713	2282	233	9.1	1576	1325	135	3.5
SUPER LOW	214	8	3661	3235	414	25.4	3197	2679	343	18.3	
		9	3332	2792	318	15.9	2394	2006	228	8.8	
		10	2002	1678	172	5.4	1493	1251	128	3.2	

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-30BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	609	4	8402	7583	1803	43.3	7404	6682	1589	34.6	
			5	7601	6860	1305	24.4	6224	5617	1069	17.1	
			6	6520	5884	933	13.3	4982	4496	713	8.2	
	HIGH	504	4	7718	6803	1656	36.4	6541	5766	1404	27.9	
			5	6703	5908	1151	19.5	5475	4827	940	13.5	
			6	5719	5042	819	10.6	4289	3781	614	6.2	
	MEDIUM	415	4	6753	5868	1449	29.5	5707	4959	1225	21.9	
			5	5857	5090	1006	15.3	4769	4144	819	10.5	
			6	4959	4309	710	8.2	3567	3099	510	4.8	
	LOW	362	4	6126	5268	1315	24.8	5182	4456	1112	18.4	
			5	5305	4562	911	12.8	4310	3707	740	8.9	
			6	4458	3834	638	6.7	3388	2054	342	2.2	
	SUPER LOW	317	4	5569	4734	1195	20.9	4708	4002	1010	15.5	
			5	4515	4093	827	10.8	3884	3301	667	7.3	
			6	3987	3389	571	5.5	3274	1933	325	2.1	
	50	TURBO	580	4	8345	7485	1791	42.9	7207	6465	1547	33.3
				5	7362	6604	1264	23.1	6025	5404	1035	16.1
				6	6308	5658	903	12.6	4800	4306	687	7.7
HIGH		475	4	7428	6529	1594	34.7	6272	5513	1346	25.9	
			5	6436	5657	1105	18.1	5253	4617	902	12.6	
			6	5481	4818	785	9.8	4075	3581	583	6.1	
MEDIUM		386	4	6410	5541	1375	26.9	5423	4688	1164	20.0	
			5	5561	4807	955	13.9	4523	3910	777	9.6	
			6	4690	4054	671	7.4	3444	2113	350	2.3	
LOW		330	4	5733	4902	1230	22.0	4848	4145	1040	16.3	
			5	4959	4240	852	11.3	4009	3428	688	7.8	
			6	4128	3529	591	5.9	3209	1974	330	2.1	
SUPER LOW		288	4	5194	4389	1115	18.5	4389	3709	942	13.6	
			5	4472	3779	768	9.4	3590	3033	617	6.4	
			6	3648	3082	522	4.7	2191	1851	314	1.9	
75		TURBO	534	4	7973	7080	1711	39.3	6800	6038	1459	29.8
				5	6969	6188	1197	20.9	5697	5059	978	14.6
				6	5957	5290	853	11.3	4499	3995	644	6.9
	HIGH	437	4	7008	6125	1504	31.6	5915	5170	1269	23.3	
			5	6074	5309	1043	16.4	4950	4326	850	11.3	
			6	5155	4505	738	8.8	3767	3292	539	5.0	
	MEDIUM	358	4	6077	5226	1304	24.5	5140	4420	1103	18.1	
			5	5261	4524	903	12.6	4273	3675	734	8.7	
			6	4418	3799	632	6.6	3379	2046	340	2.2	
	LOW	303	4	5390	4576	1157	19.8	4556	3868	978	14.6	
			5	4652	3949	799	10.1	3744	3179	643	7.3	
			6	3827	3249	548	5.1	2235	1897	320	2.0	
	SUPER LOW	257	4	4775	4016	1025	15.9	4031	3390	865	11.7	
			5	4090	3440	702	8.0	3255	2737	559	5.7	
			6	2564	2156	367	2.5	2094	1761	300	1.8	

PERFORMANCE DATA MODEL - IZNM-30BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	582	4	8360	7545	1794	43	7224	6520	1551	33.3	
			5	7379	6659	1267	23.2	6038	5449	1037	16.2	
			6	6322	5705	905	12.6	4812	4343	689	7.7	
	HIGH	458	4	7238	6381	1553	33.3	6113	5389	1312	24.8	
			5	6276	5533	1078	17.4	5120	4514	879	12.0	
			6	5337	4705	764	9.3	3942	3475	564	5.3	
	MEDIUM	368	4	6198	5386	1330	25.4	5242	4555	1125	18.8	
			5	5369	4665	922	13	4364	3793	750	9	
			6	4517	3925	646	6.8	3402	2087	344	2.3	
	LOW	319	4	5595	4811	1201	21.1	4730	4067	1015	15.6	
			5	4839	4161	831	10.8	3903	3557	670	7.4	
			6	4009	3447	574	5.6	2279	1960	326	2.0	
	SUPER LOW	273	4	4994	4245	1072	17.2	4218	3585	905	12.6	
			5	4289	3645	736	8.8	3431	2916	589	5.8	
			6	2630	2236	376	2.7	2146	1824	307	1.8	
	50	TURBO	540	4	8024	7196	1722	39.9	6854	6147	1471	30.3
				5	7021	6298	1206	21.2	5740	548	986	14.8
				6	6004	5385	859	11.4	4540	4073	650	7.0
HIGH		427	4	6893	6059	1479	30.7	5821	5117	1249	22.7	
			5	5975	5215	1026	15.9	4875	4285	837	11.0	
			6	5066	4453	725	8.5	3678	3233	526	4.8	
MEDIUM		340	4	5858	5064	1257	22.9	4984	4282	1063	17.0	
			5	5070	4383	871	11.8	4105	3548	705	8.0	
			6	4233	3659	606	6.1	2334	2018	334	2.1	
LOW		294	4	5272	4507	1131	19.0	4456	3809	956	14.0	
			5	4544	3884	780	9.7	3652	3122	627	6.5	
			6	3722	3182	533	4.9	2209	1888	316	2.0	
SUPER LOW		256	4	4761	4032	1022	15.8	4019	3396	862	11.6	
			5	4078	3446	700	8.0	3243	2740	557	5.6	
			6	2560	2163	366	2.5	2091	1766	299	1.8	
75		TURBO	493	4	7623	6768	1636	36.5	6438	5717	1382	27.2
				5	6603	5863	1134	19.0	5391	4787	926	13.1
				6	5630	4999	806	10.2	4210	3738	603	6.1
	HIGH	400	4	6577	5747	1411	28.2	5561	4860	1193	20.9	
			5	5704	4985	979	14.6	4644	4059	798	10.1	
			6	4821	4215	690	8.2	2474	2162	354	2.4	
	MEDIUM	317	4	5569	4789	1198	20.9	4708	4048	1010	15.5	
			5	4815	4141	827	10.8	3884	3340	667	7.3	
			6	3987	3428	571	5.5	2274	1956	325	2.0	
	LOW	272	4	4980	4228	1069	17.1	4206	3570	903	12.6	
			5	4277	3631	734	8.8	3420	2903	587	5.8	
			6	2626	2229	376	2.7	2143	1819	307	1.8	
	SUPER LOW	232	4	4421	3718	946	13.7	3729	3136	800	10.1	
			5	3766	3167	647	6.9	2299	1934	395	2.9	
			6	2453	2063	351	2.4	2008	1688	287	1.6	

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-30BPV-DWA
DISTRICT COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	609	8	8504	7675	913	102.2	7078	6388	760	73.9
			9	7234	6529	690	62.2	5707	5119	545	40.9
			10	5807	5241	499	35.0	4024	3632	346	18.4
	HIGH	504	8	7502	6614	805	81.9	6255	5514	671	59.4
			9	6367	5613	607	49.6	5019	4425	179	32.6
			10	5129	4522	441	28.1	3516	3100	302	14.4
	MEDIUM	415	8	6583	5720	706	65.0	5491	4772	589	47.2
			9	5729	4978	546	41.2	4453	3870	425	26.4
			10	4511	3920	387	22.5	3013	2618	259	11.0
	LOW	362	8	5993	5154	463	55.1	5000	4300	537	40.0
			9	5324	4579	508	36.2	4207	3618	401	23.9
			10	4114	3538	353	19.1	2654	2282	228	8.8
SUPER LOW	317	8	5463	4643	586	46.7	4556	3873	489	34.0	
		9	4838	4112	462	30.5	3859	3280	368	20.5	
		10	3742	3181	321	16.1	1769	1504	152	4.3	
50	TURBO	580	8	8239	7390	884	96.6	6858	6152	736	69.9
			9	7005	6283	668	58.7	5525	4956	527	38.7
			10	5628	5048	483	33.1	3890	3489	334	17.2
	HIGH	475	8	7212	6339	774	76.4	6013	5285	645	55.4
			9	6140	5397	586	46.5	4826	4242	461	30.4
			10	4930	4333	424	26.3	3361	2954	289	13.6
	MEDIUM	386	8	6264	5415	672	59.6	5225	4517	561	43.2
			9	5521	4773	527	38.5	4327	3740	415	25.3
			10	4298	3716	369	20.6	2825	2442	243	9.8
	LOW	330	8	5619	4804	603	49.2	4687	4007	503	35.8
			9	4979	4257	475	32.2	3976	3399	379	21.6
			10	3853	3294	331	17.0	1794	1534	154	4.4
SUPER LOW	288	8	5104	4313	548	41.5	4256	3596	457	30.2	
		9	4518	3818	431	27.2	3591	3034	343	18.2	
		10	3484	2944	299	14.2	1709	1444	147	4.0	
75	TURBO	534	8	7795	6922	837	87.5	6498	5770	697	63.5
			9	6625	5883	632	53.2	5220	4635	498	35.0
			10	5330	4733	458	30.0	3668	3257	315	15.6
	HIGH	437	8	6818	5959	732	69.2	5686	4969	610	50.2
			9	5848	5111	558	42.7	4593	4014	438	27.9
			10	4664	4076	400	23.8	3146	2750	270	11.9
	MEDIUM	358	8	5947	5114	638	54.3	4961	4266	532	39.5
			9	5281	4542	504	35.7	4182	3596	399	23.7
			10	4082	3510	351	18.8	2622	2255	225	8.6
	LOW	303	8	5291	4492	568	44.2	4413	3746	474	32.1
			9	4684	3977	447	28.9	3731	3168	356	19.4
			10	3620	3073	311	15.2	1740	1477	149	4.2
SUPER LOW	257	8	4702	3954	505	35.9	3921	3297	421	26.0	
		9	4159	3498	397	23.5	3300	2775	315	15.6	
		10	3182	2676	273	12.1	1638	1377	141	3.7	

I/S = LITER PER SECOND
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 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-36BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	7.3	4	11287	9794	2423	47.9	9695	8413	2081	36.8
			5	9996	8674	1717	26	8255	7163	1418	1805
			6	8720	7567	1248	14.8	6801	5901	973	9.3
	HIGH	585	4	10051	8526	2157	39.2	8528	7234	1830	29.3
			5	8870	7524	1523	21	7283	6178	1251	14.9
			6	7670	6307	1098	11.5	5911	5014	846	702
	MEDIUM	461	4	8476	6983	1319	28.9	7204	5935	1546	21.6
			5	7541	6213	1295	15.8	6119	5041	1051	10.8
			6	6428	5296	920	8.5	4788	3945	685	5.0
	LOW	394	4	7562	6119	1623	23.6	6426	5200	1379	17.7
			5	6770	5479	1163	13.0	5426	4391	932	8.7
			6	5675	4592	812	6.8	3282	2656	470	2.5
SUPER LOW	337	4	6734	5318	1445	19.2	5720	4517	1228	14.4	
		5	6108	4824	1049	10.8	5031	3973	864	7.6	
		6	4956	3914	709	5.3	3075	2428	440	2.3	
50	TURBO	654	4	10827	7289	2334	44.7	9225	7915	1980	33.6
			5	9527	8174	1636	23.9	7854	6739	1349	17.0
			6	8299	7120	1188	13.5	6446	5530	923	8.5
	HIGH	545	4	9560	8016	2051	35.7	8115	6804	1742	26.8
			5	8473	7105	1455	19.3	6930	5810	1190	13.7
			6	7287	6110	1043	10.6	5578	4677	798	6.6
	MEDIUM	427	4	8019	6536	1721	26.2	6816	5556	1463	19.6
			5	7145	5824	1227	14.4	5776	4708	992	9.7
			6	6056	4936	867	7.6	3391	2764	485	2.7
	LOW	361	4	7088	5701	1521	21.0	6023	4845	1293	15.8
			5	6393	5142	1078	11.7	5283	4249	967	8.3
			6	5270	4240	754	5.9	3166	2547	453	3.4
SUPER LOW	304	4	6229	4937	1337	16.6	5288	4192	1135	12.5	
		5	5736	4547	985	9.6	4660	3694	800	6.6	
		6	3581	2838	512	3.0	2940	2330	421	2.1	
75	TURBO	599	4	10221	8670	2193	40.2	8670	7354	1861	30.1
			5	9008	7641	1547	21.6	7402	6278	1271	15.3
			6	7803	6619	1117	12.1	6023	5109	862	7.6
	HIGH	497	4	8946	7439	1920	31.9	7603	6300	1632	23.8
			5	7955	6593	1360	17.3	6468	5360	1111	11.9
			6	6806	5640	974	9.4	5147	4265	737	5.7
	MEDIUM	394	4	7562	6134	1623	23.6	6426	5213	1379	17.7
			5	6770	5492	1163	13.0	5426	4401	932	8.7
			6	5675	4603	812	7.0	3282	2662	470	2.5
	LOW	327	4	6583	5244	1413	18.4	5591	4454	1200	13.9
			5	6026	4800	1035	10.5	4922	3920	845	7.3
			6	4819	3838	690	5.1	3035	2417	434	2.2
SUPER LOW	272	4	5720	4495	1228	14.4	4851	3812	1041	10.7	
		5	5275	4145	906	8.3	4247	3337	729	5.6	
		6	3398	2670	486	2.7	2799	2197	400	1.9	

PERFORMANCE DATA MODEL - IZNM-36BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	656	4	10846	9412	2328	44.8	9245	8022	1984	33.7
			5	9545	8283	1639	23.9	7869	6828	1351	17.1
			6	8314	7214	1190	13.6	6461	5606	925	1.6
	HIGH	549	4	9611	8152	2062	36	8157	6919	1751	27
			5	8514	7222	1462	19.5	6968	5911	1197	13.8
			6	7324	6212	1048	10.8	5613	4761	803	6.7
	MEDIUM	437	4	8155	6719	1750	27	6932	5711	1488	20.2
			5	7255	5977	1246	14.8	5879	4843	1010	10
			6	6167	5081	883	7.9	3422	2819	490	2.7
	LOW	369	4	7205	5830	1546	21.6	6122	4954	1314	16.2
			5	6482	5245	1113	12.0	5284	4276	907	8.3
			6	5371	4346	769	6.1	3194	2585	457	2.4
SUPER LOW	326	4	6567	5083	1409	18.4	5578	4317	1197	13.7	
		5	6015	4655	1033	10.4	4911	3800	843	7.3	
		6	4805	3719	688	5.1	3030	2345	434	2.2	
50	TURBO	623	4	10513	9020	2256	42.3	8914	7648	1913	31.7
			5	9240	7928	1587	22.6	7599	6520	1305	15.9
			6	8020	6881	1148	12.8	6212	5330	889	8.0
	HIGH	515	4	9177	7695	1969	33.0	7797	6538	1673	24.9
			5	8154	6837	1400	18.2	6633	5562	1139	12.6
			6	6988	5859	1000	9.8	5313	4455	760	6.0
	MEDIUM	411	4	7800	6358	1674	24.9	6629	5403	1423	18.7
			5	6965	5677	1196	13.8	5608	4571	963	9.2
			6	5874	4788	841	7.2	3340	2722	478	2.6
	LOW	3341	4	6794	5465	1458	19.5	5771	4642	1239	14.6
			5	6156	4952	1057	10.9	5074	4081	871	8.6
			6	5010	4030	717	5.4	3091	2486	442	2.3
SUPER LOW	300	4	6167	4745	1324	16.4	5234	4027	1123	12.3	
		5	5685	4375	976	9.4	4612	3549	792	6.5	
		6	3559	2800	509	3.0	2923	2249	418	2.1	
75	TURBO	569	4	9863	8366	2116	37.6	8363	7094	1795	28.3
			5	8712	7390	1496	20.3	7144	6060	1227	14.4
			6	7518	6377	1076	11.2	5780	4903	827	7.0
	HIGH	480	4	8724	7230	1872	30.5	7417	6147	1592	22.8
			5	7762	6433	1333	16.5	6305	5225	1083	11.4
			6	6629	5494	949	8.9	4981	4128	713	5.4
	MEDIUM	376	4	7306	5927	1568	22.2	608	5036	1332	16.7
			5	6563	5324	1127	12.3	5345	4336	918	8.5
			6	5457	4427	781	6.3	3220	2612	461	2.4
	LOW	314	4	6385	5086	1371	17.6	5420	4317	1163	13.1
			5	5864	4671	1007	10.0	4776	3804	820	6.9
			6	3635	2895	520	3.1	2983	2376	427	2.2
SUPER LOW	260	4	5524	4224	1186	13.6	4682	3580	1005	9.9	
		5	5083	3887	873	7.7	4068	3110	699	5.2	
		6	3325	2563	476	2.6	2739	2095	392	1.9	

I/S = LITER PER SECOND
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 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-36BPV-DWA
STANDARD COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	703	8	10924	9479	1172	77.8	9102	7898	977	56.5
			9	9310	8079	888	47.6	7345	6374	701	31.4
			10	7464	6477	641	26.7	589	4416	437	13.5
	HIGH	585	8	9644	8180	1035	62.6	8048	6827	864	45.5
			9	8204	6959	783	38.0	6459	5479	616	25.0
			10	6590	5590	566	21.5	4390	3724	377	10.5
	MEDIUM	461	8	8181	6740	878	46.8	6828	5625	733	34
			9	7149	5890	682	29.8	5504	4535	525	18.8
			10	5571	4590	479	16.4	2653	2186	228	4.3
	LOW	394	8	7318	5922	785	38.4	6108	4943	656	27.9
			9	6501	5260	620	25.3	5090	4119	486	16.4
			10	4953	4008	425	12.9	2507	2029	215	4.7
	SUPER LOW	337	8	6534	5160	701	31.5	5451	4305	585	22.9
			9	5792	4574	553	20.6	4600	3633	439	13.8
			10	4359	3442	374	10.4	2362	1865	203	3.5
50	TURBO	654	8	10407	8929	1117	71.7	8675	7443	931	51.8
			9	8866	7607	846	43.7	6988	5996	667	28.6
			10	7111	6101	611	24.5	4813	4129	413	12.3
	HIGH	545	8	9188	7704	986	57.4	7669	6430	823	41.8
			9	7822	659	746	35.1	6138	5147	586	22.8
			10	6272	5259	539	19.6	4112	3448	353	9.3
	MEDIUM	427	8	7750	6317	832	42.6	6468	5272	694	31.0
			9	6859	5591	654	27.7	5317	4334	507	17.8
			10	5266	4292	452	14.5	2581	2104	222	4.1
	LOW	361	8	6870	5526	737	34.4	5733	4611	615	24.9
			9	6090	4898	581	22.5	4843	3895	462	15.1
			10	4615	3712	396	11.4	2426	1951	208	3.7
	SUPER LOW	304	8	6055	4800	650	27.5	5047	4000	542	19.9
			9	5354	4244	511	18.0	4235	3357	404	11.9
			10	3985	3159	342	8.8	2267	1797	195	3.3
75	TURBO	599	8	9801	8314	1052	64.5	8178	6937	878	46.8
			9	8341	7075	796	39.2	6568	5571	627	25.7
			10	6698	5681	575	22.1	4479	3799	385	10.9
	HIGH	497	8	8622	7145	925	51.4	7196	5694	772	37.3
			9	7400	6133	706	31.8	5770	4782	551	20.4
			10	5874	4868	505	17.5	2722	2256	234	4.5
	MEDIUM	394	8	7318	5922	785	38.4	6108	4943	656	27.9
			9	6501	5260	620	25.3	5090	4119	486	16.4
			10	4953	4008	425	12.9	2507	2029	215	4.7
	LOW	327	8	6391	5091	686	30.2	5331	4246	572	22.0
			9	5661	4509	540	19.8	4490	3576	428	13.1
			10	4249	3384	365	9.9	2334	1859	200	3.4
	SUPER LOW	272	8	5570	4377	598	23.7	4638	3645	498	17.1
			9	4916	3863	469	15.4	3865	3037	369	10.1
			10	2889	2270	248	5.0	2166	1702	186	3.1

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-48BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	872	4	17533	14149	3763	58.4	14983	12091	3215	43.9	
			5	15821	12767	2717	32.5	13314	10740	2286	23.9	
			6	13866	11190	1985	18.5	11052	8919	1582	12.5	
	HIGH	831	4	16851	13531	3616	54.3	14404	11566	3091	41	
			5	15269	12261	2622	30.5	12595	10355	2215	22.6	
			6	13329	10703	1908	17.2	10618	9526	1520	11.6	
	MEDIUM	778	4	15989	12791	3431	49.6	1372	10938	2934	37.3	
			5	14574	11659	2503	28.1	12346	9877	2120	20.9	
			6	12650	10120	1811	15.7	10060	8048	1440	10.5	
	LOW	702	4	14729	11709	3161	42.6	12600	10017	2705	32.3	
			5	13602	10813	2336	24.8	11621	9239	1996	18.7	
			6	11658	9268	1669	13.6	9235	7342	1322	9.0	
	SUPER LOW	627	4	13449	10625	2886	36.3	11509	9092	2470	27.5	
			5	12625	9974	2168	21.7	10609	8381	1822	16.0	
			6	10632	8399	1522	11.6	8376	6617	1199	7.6	
	50	TURBO	801	4	16372	13130	3514	51.8	13996	11225	3003	38.9
				5	14878	11932	2555	29.1	12593	10099	2163	21.6
				6	12951	10387	1854	16.4	10310	8269	1476	11.0
HIGH		767	4	15810	12648	33932	48.6	13519	10815	2901	36.6	
			5	14436	11549	2479	27.6	12230	9784	2100	20.5	
			6	12505	10004	1790	15.5	9942	7954	1423	10.2	
MEDIUM		719	4	15019	11940	3233	44.1	12847	10213	2758	33.4	
			5	13828	10993	2375	25.5	11806	9386	2027	19.3	
			6	11889	9452	1702	14.2	9425	7493	1349	9.4	
LOW		651	4	13901	10982	2983	38.5	11895	9397	2553	29.1	
			5	13020	10286	2236	23.0	10956	8655	1881	16.9	
			6	10991	8683	1573	12.3	8683	6859	1243	8.1	
SUPER LOW		582	4	12671	9947	2719	32.6	10846	8514	2328	24.7	
			5	11893	9336	2043	19.5	9975	7830	1713	14.3	
			6	10019	7865	1434	10.4	7839	6154	1122	6.8	
75		TURBO	727	4	15148	12043	3251	45.0	12956	10300	2781	33.9
				5	13928	11073	2392	25.9	11891	9453	2044	19.5
				6	11989	9531	1716	14.3	9509	7560	1361	9.5
	HIGH	696	4	14631	11602	3140	41.0	12517	9926	2687	31.9	
			5	13525	10725	2323	24.6	11553	9161	1984	18.5	
			6	11576	9180	1657	13.5	9167	7269	1312	8.9	
	MEDIUM	653	4	13934	11008	2990	38.6	11923	9419	2559	29.3	
			5	13047	103007	2241	23.0	10985	8678	1887	17.0	
			6	11018	8704	1577	12.4	8705	6877	1246	8.1	
	LOW	593	4	12880	10124	2764	33.6	11024	8665	2366	25.4	
			5	12076	9492	2074	20.1	10144	7973	1742	14.8	
			6	10185	8005	1458	10.7	7985	6276	1143	7.0	
	SUPER LOW	530	4	11744	9160	2520	28.5	10054	7842	2158	21.6	
			5	10996	8577	1888	17.0	9223	7194	1584	12.5	
			6	9273	7233	1327	9.1	7181	5601	1028	5.7	

PERFORMANCE DATA MODEL - IZNM-48BPV-CWA
STANDARD COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	814	4	16596	13326	3562	52.9	1487	11392	3044	39.9	
			5	15063	12045	2587	29.8	12734	10225	2187	22.1	
			6	13127	10541	1879	16.7	10452	8393	1496	11.3	
	HIGH	783	4	16057	12846	3446	49.9	13729	10983	2946	37.6	
			5	14626	11700	2512	28.2	12391	9913	2128	21.0	
			6	12701	10161	1818	15.8	10107	8086	1447	10.6	
	MEDIUM	746	4	15483	12386	3323	46.8	13241	10593	2841	35.3	
			5	14186	11349	2436	26.7	12106	9685	2079	20.2	
			6	12260	9808	1755	15.0	9727	7782	1392	9.9	
	LOW	676	4	14309	11333	3071	40.5	12242	9696	2628	30.7	
			5	13341	105666	2291	24.0	11290	8942	1939	17.8	
			6	11318	8964	1620	12.9	8956	7093	1282	8.6	
	SUPER LOW	572	4	12522	9830	2687	31.9	10719	8414	2301	24.2	
			5	11748	9222	2018	19.1	9853	7735	1692	14.1	
			6	9905	7775	1418	10.2	7735	6072	1107	6.6	
	50	TURBO	753	4	15605	12437	3349	47.4	13344	10635	2863	35.7
				5	14279	11380	2452	27.0	12097	9641	2077	20.1
				6	12357	9848	1769	15.1	9809	7818	1404	10.0
HIGH		736	4	15314	12190	3286	46.0	13099	10427	2812	34.6	
			5	14056	11188	1214	26.3	11997	9550	2060	19.8	
			6	12126	9652	1736	14.6	9620	7657	1377	9.7	
MEDIUM		699	4	14691	11679	3153	42.4	12568	9991	2698	32.2	
			5	13572	10790	2331	24.7	11594	9217	1991	18.7	
			6	11625	9242	1664	13.6	9208	7320	1318	8.9	
LOW		631	4	13571	10721	2912	36.8	11614	9175	2493	27.9	
			5	12743	10067	2188	22.1	10691	8446	1836	16.1	
			6	10730	8477	1536	11.8	8460	6683	1211	7.7	
SUPER LOW		555	4	12178	9523	2613	30.4	10425	8152	2238	23.0	
			5	11416	8923	1961	18.2	9573	7486	1644	13.4	
			6	9627	7528	1378	9.7	7490	5857	1072	6.2	
75		TURBO	689	4	14519	11499	3116	41.6	12420	9837	2666	31.5
				5	13435	10640	2307	24.3	1163	9079	1969	18.3
				6	11486	9097	1644	13.3	9096	7204	1302	8.8
	HIGH	665	4	14130	11177	3032	39.6	12090	9563	2595	30.0	
			5	13201	10442	2267	23.5	11144	8815	1914	17.4	
			6	11173	8838	1599	12.7	8837	6990	1265	8.3	
	MEDIUM	626	4	13443	10620	2885	36.2	11504	9088	2469	27.5	
			5	12620	9970	2167	21.7	10604	8377	1821	15.9	
			6	10626	8394	1521	11.6	8370	6612	1198	7.6	
	LOW	579	4	12610	9899	2706	32.3	10794	8473	2317	24.5	
			5	11834	8290	2033	19.4	9926	7792	1705	14.2	
			6	9970	7826	1427	10.3	7797	6120	1116	6.7	
	SUPER LOW	528	4	11708	9132	2512	28.3	10024	7819	2151	21.5	
			5	10962	8550	1882	17.0	9194	7171	1579	12.5	
			6	9245	7211	1323	9.1	7154	5580	1024	5.7	

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 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-48BPV-DWA
STANDARD COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	872	8	1681.7	1357.1	1805	71.7	1408.6	151.2	151.2	52.5
			9	1432.7	1156.2	136.7	43.7	1134.1	108.2	108.2	29
			10	1162.0	937.7	99.8	25.1	792.4	68.1	68.1	12.8
	HIGH	831	8	1618.3	1299.5	173.7	67.1	1355.6	145.5	145.5	49
			9	1386.0	1112.9	132.3	41.3	1089.0	103.9	103.9	26.9
			10	1119.5	898.9	96.2	23.5	758.5	65.2	65.2	11.8
	MEDIUM	778	8	1538.0	1230.4	165.1	61.4	1288.6	138.3	138.3	44.8
			9	1326.6	1061.3	126.6	38.3	1039.5	99.2	99.2	24.9
			10	1067.2	853.7	91.7	21.6	713.6	61.3	61.3	10.6
	LOW	702	8	1419.1	1128.2	152.3	53.2	1189.8	127.7	127.7	39.0
			9	1263.2	1004.2	120.5	35.1	986.3	94.2	94.2	22.7
			10	788.0	785.5	84.9	18.8	643.1	55.2	55.2	8.8
SUPER LOW	627	8	1299.0	1026.2	139.4	45.6	1089.4	116.9	116.9	33.3	
		9	1162.0	918.0	110.9	30.3	932.4	89.0	89.0	20.6	
		10	905.0	714.9	77.7	16.2	379.1	32.6	32.6	3.6	
50	TURBO	801	8	1573.4	1261.8	168.9	63.8	1318.3	141.5	141.5	46.6
			9	1352.8	1084.9	129.1	39.6	1059.4	101.1	101.1	25.7
			10	1090.4	874.5	93.7	22.4	733.6	63.0	63.0	11.1
	HIGH	767	8	1520.6	1216.5	163.2	60.1	1274.5	136.8	136.8	44.0
			9	1326.3	1061.0	126.5	38.3	1029.5	98.3	98.3	24.5
			10	1056.0	844.8	90.7	21.2	704.0	60.5	60.5	10.3
	MEDIUM	719	8	1446.8	1150.2	155.3	55.1	1212.9	130.2	130.2	40.3
			9	1281.1	1018.5	122.2	36.0	987.7	94.2	94.2	22.7
			10	1006.7	800.3	86.5	19.5	660.2	56.7	56.7	9.2
	LOW	651	8	1341.7	1059.9	144.0	48.2	1125.2	120.8	120.8	35.4
			9	1201.0	948.8	114.6	32.1	952.5	90.9	90.9	21.3
			10	934.8	738.5	80.3	17.1	590.9	50.8	50.8	7.6
SUPER LOW	582	8	1226.0	962.4	131.6	41.1	1028.4	110.4	110.4	30.2	
		9	1094	860.7	104.6	27.4	879.6	83.9	83.9	18.5	
		10	852.8	669.4	73.3	14.5	369.9	31.8	31.8	3.4	
75	TURBO	727	8	1458.8	1159.7	156.6	55.9	1222.6	131.2	131.2	40.9
			9	1288.7	1024.5	122.9	36.3	994.1	94.8	94.8	22.9
			10	1014.7	806.7	87.2	19.8	667.6	57.4	57.4	9.4
	HIGH	696	8	1410.0	1118	151.3	52.5	1182.3	126.3	126.3	38.6
			9	1258.1	997.7	120.0	34.9	984.5	93.9	93.9	22.5
			10	781.9	620.0	84.4	18.6	637.5	54.8	54.8	8.7
	MEDIUM	653	8	1344.6	1062.2	144.3	48.3	1127.5	121.0	121.0	35.5
			9	1204.1	951.2	114.9	32.3	953.9	91.0	91.0	21.4
			10	936.9	740.1	80.5	17.2	593.1	51.0	51.0	7.6
	LOW	593	8	1245.6	979.0	133.7	42.2	1044.6	112.1	112.1	31.0
			9	1112.9	874.7	106.2	28.1	894.6	85.3	85.3	19.0
			10	866.9	681.4	74.5	14.9	372.3	32.0	32.0	3.4
SUPER LOW	530	8	1138.4	887.9	122.2	36.1	954.9	102.5	102.5	26.4	
		9	1016.0	792.5	96.9	23.9	813.6	77.6	77.6	16.2	
		10	788.2	614.8	67.7	12.7	357.8	30.7	30.7	3.1	

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-60BPV-CWA
DISTRICT COOLING (7°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWb				24CDB / 17.8CWb				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	872	4	18048	14565	3873	128	15516	12521	3330	98.1	
			5	16939	13670	2909	76.9	14516	11714	2493	58.5	
			6	15127	12207	2165	45.4	12428	10029	1779	32.1	
	HIGH	831	4	17348	13730	3723	119.5	14919	11980	3202	91.4	
			5	16358	13135	2809	72.3	13946	11199	2395	54.5	
			6	14554	11687	2083	42.4	11947	9593	1710	30.0	
	MEDIUM	778	4	16461	13169	3532	108.8	14161	11329	3039	83.3	
			5	15615	12492	2682	66.6	13226	10581	2271	19.5	
			6	13822	11058	1978	38.7	11332	9066	1622	27.3	
	LOW	702	4	15157	12050	3252	94.1	13047	10372	2800	72.1	
			5	14357	11414	2466	57.4	12183	9685	2092	42.9	
			6	12728	10119	1822	33.5	10430	8292	1493	23.7	
	SUPER LOW	627	4	13844	10937	2972	80.1	11923	9419	2559	61.4	
			5	13108	10355	2251	48.8	11141	8801	1913	36.4	
			6	11619	9179	1663	28.5	9516	7518	1362	20.0	
	50	TURBO	801	4	16852	13515	3616	113.4	14495	11625	3111	86.8
				5	15941	12785	2737	69.0	13541	10860	2325	51.7
				6	14146	11345	2025	40.4	11598	9301	1660	28.4
HIGH		767	4	16273	13018	3492	106.8	14001	11200	3005	81.7	
			5	15432	12346	2650	65.2	13074	10459	2245	48.6	
			6	13666	10933	1950	37.9	11200	8960	1603	26.7	
MEDIUM		719	4	15460	12291	3317	97.4	13307	10579	2856	74.6	
			5	14649	11646	2516	59.4	12423	9876	2133	44.4	
			6	12983	10321	1858	34.6	10640	8459	1523	24.5	
LOW		651	4	14308	11303	3070	84.8	12321	9733	2644	65.1	
			5	13541	10697	2326	51.7	11509	9092	1976	38.8	
			6	12011	9489	1719	30.2	9838	7772	1408	21.3	
SUPER LOW		582	4	13044	10239	2800	72.1	11239	8823	2412	55.3	
			5	12657	9700	2122	44.0	10506	8247	1804	33.0	
			6	10991	8628	1573	25.9	9013	7075	1290	18.2	
75		TURBO	727	4	15590	12394	3345	99.0	13417	10666	2879	75.7
				5	14774	11745	2537	60.3	12528	9960	2151	45.0
				6	13093	10409	1874	35.2	10730	8530	1536	24.8
	HIGH	696	4	15058	11941	3231	92.9	12963	10280	2782	71.2	
			5	14262	11310	2449	56.7	12106	9600	2079	42.4	
			6	12645	10027	1810	33.1	10361	8216	1483	23.3	
	MEDIUM	653	4	14341	11329	3077	85.2	12349	9756	2650	65.4	
			5	13578	10727	2332	52.0	11537	9114	1981	38.9	
			6	12039	9511	1723	30.4	9860	7787	1411	21.4	
	LOW	593	4	13258	10421	2846	74.2	11421	8977	2651	56.9	
			5	12559	9871	2157	45.3	10675	8390	1833	34.0	
			6	11152	8765	1596	26.5	9146	7189	1309	18.7	
	SUPER LOW	530	4	12090	9430	2596	63.0	10421	8128	2236	48.4	
			5	11460	8939	1968	38.5	9747	7603	1674	28.9	
			6	10272	8012	1470	23.0	8425	6571	1256	16.1	

PERFORMANCE DATA MODEL - IZNM-60BPV-CWA
DISTRICT COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWb				24CDB / 17.8CWb				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	865	4	16864	13592	3619	113.6	14505	11691	3113	86.9	
			5	15952	12857	2379	69.1	13550	10922	2327	51.8	
			6	14155	11409	2026	40.4	11606	9354	1661	28.4	
	HIGH	825	4	16210	13049	3478	105.9	13947	11227	2993	81.1	
			5	15372	12374	2640	64.7	13023	10483	2236	48.2	
			6	13612	10957	1948	37.7	11158	8982	1597	26.6	
	MEDIUM	754	4	15080	12065	3236	93.1	12982	10385	2786	71.4	
			5	14284	11427	2453	56.8	12124	9700	2082	42.5	
			6	12665	10132	1813	33.3	10375	8300	1485	23.6	
	LOW	675	4	13775	10882	2957	79.4	11864	9372	2546	60.9	
			5	13044	10305	2240	48.4	11087	8759	1904	36.4	
			6	11562	9134	1655	28.3	9468	7480	1355	19.9	
	SUPER LOW	584	4	12273	9634	2634	64.7	10578	8304	2270	49.7	
			5	11633	9132	1998	39.5	9893	7766	1699	29.7	
			6	10410	8172	1490	23.5	8537	6701	1222	16.5	
	50	TURBO	798	4	15808	12646	3392	101.4	13603	10882	2919	77.6
				5	14984	11987	2573	61.9	12700	10160	2181	46.2
				6	13275	10620	1900	36.2	10879	8703	1557	25.4
HIGH		758	4	15142	12114	3249	93.9	13034	10427	2797	71.9	
			5	14343	11474	2463	57.2	12171	9737	2090	42.8	
			6	12715	10172	1820	33.5	10417	8334	1491	23.5	
MEDIUM		696	4	14128	11232	3033	83.0	12166	9672	2611	63.7	
			5	13377	10635	2297	50.6	11367	9037	1952	37.9	
			6	11857	9426	1697	29.6	9713	7722	1390	20.9	
LOW		625	4	12943	10225	2778	71.1	11152	8810	2393	54.6	
			5	12263	9688	2106	43.4	10425	8236	1790	32.6	
			6	10914	8622	1562	25.5	8950	7070	1281	18.0	
SUPER LOW		546	4	11557	9014	2480	58.1	9965	7773	2138	44.7	
			5	10959	8548	1882	35.6	9323	7272	1601	26.8	
			6	9874	7700	1413	21.4	8098	6316	1159	15.1	
75		TURBO	725	4	14625	11641	3138	88.2	12592	10023	2702	67.7
				5	13848	11023	2378	53.8	11762	9362	2020	40.3
				6	12277	9772	1757	31.5	10060	8008	1440	22.2
	HIGH	688	4	14026	11137	3011	82.0	12079	9590	2592	62.9	
			5	13281	10545	2281	50.0	11286	8961	1938	37.4	
			6	11772	9347	1685	29.3	9642	7656	1380	20.5	
	MEDIUM	630	4	13023	10249	2795	71.8	11221	8830	2408	55.2	
			5	12339	9710	2119	43.9	10489	8255	1801	33.0	
			6	10976	8638	1571	25.9	9000	7082	1288	18.2	
	LOW	571	4	12026	9440	2581	62.4	10367	8138	2225	48.0	
			5	11400	8950	1958	38.1	9696	7611	1665	28.7	
			6	10228	8029	1464	22.7	8384	6580	1200	16.1	
	SUPER LOW	504	4	10852	8464	2329	52.0	9361	7300	2009	40.0	
			5	10295	8030	1768	31.9	8759	6632	1504	23.9	
			6	9342	7287	1337	19.4	7658	5973	1096	13.8	

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-60BPV-DWA
DISTRICT COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW l/s	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	872	8	1737.6	1402.2	1865	151.4	1467.3	1184.1	1575	112.5
			9	1569.9	1266.9	1498	102.6	1276.4	1030.0	1218	71.3
			10	1284.9	1036.9	1104	59.8	939.0	757.8	807	34.3
	HIGH	831	8	1671.9	1342.5	1794	141.5	1412.5	1134.2	1516	34.3
			9	1509.1	1211.8	1440	95.7	1228.5	986.5	1172	105.1
			10	1237.6	993.8	1063	55.9	907.5	728.7	780	66.7
	MEDIUM	778	8	1589.0	1271.2	1705	129.3	1343.3	1074.6	1442	96.2
			9	1434.6	1147.7	1369	87.6	1168.7	935.0	1115	61
			10	1178.1	942.5	1012	51.2	864.8	691.8	743	29.7
	LOW	702	8	1467.0	1166.2	1575	112.5	1240.8	986.4	1332	83.6
			9	1323.0	1052.4	1263	76.0	1079.3	858.0	1030	53.0
			10	1089.9	866.5	936	44.6	798.1	634.5	686	25.8
	SUPER LOW	627	8	1343.3	1061.2	1442	96.3	1137.3	898.5	1221	71.8
			9	1213.6	958.7	1158	65.2	990.2	782.2	945	45.5
			10	998.0	788.4	857	38.2	729.9	576.6	627	22.0
50	TURBO	801	8	1625.7	1303.8	1745	134.7	1373.9	1101.8	1475	100.2
			9	1466.2	1175.9	1399	90.9	1195.0	958.4	1140	63.4
			10	1204.7	966.2	1035	53.3	884.6	709.4	760	31.0
	HIGH	767	8	1571.3	1257.0	1686	126.3	1328.5	1062.8	1426	94.4
			9	1418.0	1134.4	1353	85.8	1155.0	924.0	1102	59.7
			10	1165.4	932.3	1001	50.2	855.2	684.2	735	29.1
	MEDIUM	719	8	1495.3	1188.7	1605	116.3	1264.8	1005.5	1358	86.5
			9	1348.9	1072.4	1287	78.5	1099.4	874.0	1049	54.8
			10	1110.4	882.7	954	46.1	813.6	646.8	699	26.7
	LOW	651	8	1387.1	1095.8	1489	101.9	1173.9	927.4	1260	75.9
			9	1252.5	989.5	1195	68.9	1022.0	807.4	975	48.1
			10	1030.7	814.2	885	40.5	754.1	595.7	648	23.4
	SUPER LOW	582	8	1267.9	995.3	1361	86.9	1074.0	843.1	1153	64.9
			9	1146.5	900.0	1094	58.9	935.8	734.6	893	41.2
			10	941.6	739.1	809	34.5	688.1	540.1	591	19.8
75	TURBO	727	8	1507.8	1198.7	1619	118.1	1275.1	1013.7	1369	87.8
			9	1360.3	1081.4	1298	79.7	1108.9	881.6	1058	55.6
			10	1119.4	889.9	962	46.7	820.3	652.1	705	27.1
	HIGH	696	8	1457.7	1155.9	1565	111.3	1233.2	977.9	1324	82.8
			9	1315.3	1043.0	1255	75.1	1072.6	850.3	1023	52.3
			10	1083.0	858.8	930	44.1	793.0	628.8	681	25.5
	MEDIUM	653	8	1390.1	1098.2	1492	102.2	1176.6	929.5	1263	76.2
			9	1255.6	991.9	1198	69.3	1024.1	809.0	977	48.3
			10	1033.1	816.1	887	40.7	755.8	597.1	649	23.4
	LOW	593	8	1288.1	1012.4	1383	89.4	1090.9	857.4	1171	66.8
			9	1164.5	915.3	1111	60.6	850.5	747.1	907	42.3
			10	956.7	752.0	822	35.5	699.3	549.6	600	20.4
	SUPER LOW	530	8	1177.7	918.6	1264	76.3	998.0	778.4	1071	57.0
			9	1066.0	831.5	1017	51.8	870.6	679.0	830	36.2
			10	876.0	683.3	752	30.3	637.5	497.2	547	17.4

l/s = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-61BPV-CWA
DISTRICT COOLING (7°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	980	4	20879	17120	4481	57.4	17675	14493	3793	43.1	
			5	18040	14794	3098	29.9	14809	12143	2543	21.0	
			6	15518	12725	2221	16.5	11848	9715	1696	10.3	
	HIGH	914	4	19810	16145	4252	52.8	16765	13663	3598	41.2	
			5	17177	14000	2950	27.4	14066	11464	2416	19.2	
			6	14728	12003	2108	15.0	11191	9120	1602	9.2	
	MEDIUM	802	4	17892	14403	3840	44.1	15190	12229	3260	32.9	
			5	15654	12600	2688	23.2	12726	10244	2185	16.0	
			6	13317	10720	1906	12.8	9989	8041	1430	7.5	
	LOW	690	4	15931	12681	3419	35.8	13532	10771	2904	26.7	
			5	13952	11106	2396	18.9	11284	8982	1938	12.9	
			6	11806	9397	1690	10.2	8607	6850	1232	5.8	
	SUPER LOW	607	4	14404	11379	3091	29.9	12238	9668	2626	22.3	
			5	12663	10004	2175	15.9	10147	8016	1743	10.9	
			6	10592	8367	1516	8.3	4788	4367	685	2.0	
	50	TURBO	902	4	19606	15940	4208	52.0	16598	13494	3562	38.7
				5	17018	13836	2923	27.0	13925	11321	2391	18.8
				6	14582	11855	2087	14.7	11066	8997	1584	9.0
HIGH		843	4	18596	15063	3991	47.2	15775	12778	3385	35.2	
			5	16223	13140	2786	24.7	13230	10716	2272	17.2	
			6	13847	11216	1982	13.4	10438	8455	1494	8.1	
MEDIUM		749	4	16977	13582	3644	40.0	14417	11534	3094	29.9	
			5	14872	11898	2554	21.2	12060	9647	2071	14.6	
			6	12617	10094	1806	11.4	9368	7494	1341	6.7	
LOW		655	4	15296	12114	3283	33.4	12993	10290	2788	24.8	
			5	13390	10606	2300	17.6	10808	8560	1856	12.0	
			6	11304	8953	1618	9.3	8110	6424	1161	5.2	
SUPER LOW		578	4	13855	10876	2973	27.9	11770	9239	2526	20.8	
			5	12240	9609	2102	14.9	9735	7642	1672	10.0	
			6	10146	7965	1452	7.7	4712	4240	674	2.0	
75		TURBO	826	4	18302	14750	3928	45.6	15535	12520	3334	34.2
				5	15990	12887	2746	24.1	13023	10496	2236	16.7
				6	13630	10986	1951	13.1	10255	8265	1468	7.9
	HIGH	772	4	17375	13935	3729	41.8	14756	11834	3167	31.2	
			5	15215	12202	2613	22.1	12353	9907	2121	15.2	
			6	12925	10366	1850	11.9	9640	7732	1380	7.1	
	MEDIUM	690	4	15930	12681	3419	35.7	13532	10771	2904	26.7	
			5	13952	11106	2396	18.9	11284	8982	1938	12.9	
			6	11806	9397	1690	10.2	8607	6851	1232	5.8	
	LOW	607	4	14404	11379	3091	29.9	12238	9668	2626	22.3	
			5	12663	10004	2175	15.9	10147	8016	1743	10.9	
			6	10592	8368	1516	8.3	4788	4367	685	2.0	
	SUPER LOW	536	4	13042	10212	2799	25.0	11080	8675	2378	18.7	
			5	11657	9127	2002	13.7	9118	7139	1566	7.7	
			6	9479	7422	1357	6.9	4594	4052	657	1.9	

PERFORMANCE DATA MODEL - IZNM-61BPV-CWA
DISTRICT COOLING (7°C ENTERING WATER TEMP)

EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE °K	ENTERING AIR TEMPERATURE								
				27CDB / 19CWB				24CDB / 17.8CWB				
				TH	SH	WFR	PD	TH	SH	WFR	PD	
25	TURBO	885	4	18557	14938	3983	46.8	15744	12674	3379	35.1	
			5	16193	13035	2781	24.7	13202	10628	2267	17.1	
			6	13819	11124	1978	13.4	10416	8385	1491	8.1	
	HIGH	847	4	17938	14386	3850	44.3	15229	12214	3268	32.9	
			5	15693	12586	2695	23.3	12759	10233	2191	16.1	
			6	13352	10708	1911	12.6	10018	8034	1434	7.5	
	MEDIUM	784	4	16903	13522	3628	39.7	14356	11485	3081	29.7	
			5	14808	11846	2543	21	12004	9603	2061	14.4	
			6	12560	10049	1798	11.4	9313	7450	1333	6.7	
	LOW	708	4	15617	12369	3352	34.6	13266	10507	2847	25.8	
			5	13674	10830	2348	18.2	11050	8752	1898	12.5	
			6	11561	9156	1655	9.8	8369	6628	1198	5.5	
	SUPER LOW	637	4	14370	11295	3084	29.8	12209	9596	2620	22.2	
			5	12636	9932	2170	15.8	10120	7954	1738	10.7	
			6	10564	8303	1512	8.3	4783	4358	684	2.0	
	50	TURBO	817	4	17448	13958	3745	42.2	14817	11854	3180	31.4
				5	15276	12220	2623	22.2	12408	9926	2131	15.3
				6	12980	10384	1858	12.0	9690	7752	1387	7.1
HIGH		779	4	16820	13456	3610	39.4	14285	11428	3066	29.5	
			5	14734	11787	2530	20.8	11943	9554	2051	14.3	
			6	12498	9998	1783	11.3	9256	7405	1325	6.6	
MEDIUM		723	4	15874	12572	3407	35.5	13484	10679	2894	26.6	
			5	13900	11009	2387	18.8	11243	8904	1931	12.8	
			6	11763	9316	1684	10.1	8565	6783	1226	5.7	
LOW		660	4	14779	11675	3172	31.3	12555	9918	2694	23.4	
			5	12934	10218	2221	16.5	10424	8235	1790	11.3	
			6	10897	8609	1560	8.8	7663	6054	1097	4.7	
SUPER LOW		590	4	13519	10572	2901	26.7	11486	8982	2465	19.9	
			5	12000	9385	2061	14.4	9480	7413	1628	9.5	
			6	9872	7720	1413	7.4	4665	4163	668	1.9	
75		TURBO	737	4	16113	12761	3458	36.6	13686	10839	2937	27.3
				5	14114	11178	2424	19.3	11420	9044	1961	13.2
				6	11947	9462	1710	8.4	8746	6927	1252	5.9
	HIGH	702	4	15513	12255	3328	34.1	13178	10410	2828	25.5	
			5	13583	10730	2333	18.0	10793	8526	1885	12.4	
			6	11478	9068	1643	9.6	8286	6546	1186	5.4	
	MEDIUM	649	4	14584	11478	3130	30.6	12390	9750	2659	22.8	
			5	12793	10068	2197	16.2	10280	8091	1766	11.1	
			6	10738	8450	1537	8.5	4811	4407	689	2.0	
	LOW	596	4	13629	10699	2925	27.1	11579	9089	2485	20.2	
			5	12078	9481	2074	14.6	9565	7508	1643	9.7	
			6	9963	7820	1426	7.5	4680	4188	670	1.9	
	SUPER LOW	540	4	12588	9819	2701	23.5	10694	8340	2295	17.5	
			5	11430	8915	1963	13.2	8773	6843	1507	8.2	
			6	9090	7090	1301	6.4	4525	3946	648	1.8	

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA MODEL - IZNM-61BPV-DWA
DISTRICT COOLING (5.5°C ENTERING WATER TEMP)



EXTERNAL STATIC PRESS. Pa	FAN SPEED	AIR FLOW I/S	WATER TEMP. RISE ° K	ENTERING AIR TEMPERATURE							
				27CDB / 19CWB				24CDB / 17.8CWB			
				TH	SH	WFR	PD	TH	SH	WFR	PD
25	TURBO	980	8	2083.2	1708.2	2236	87.4	1731.7	14200	1859	63.1
			9	1744.0	1430.0	1664	51.7	1330.0	10908	1269	32.1
			10	1373.3	1126.0	1180	28.2	871.5	7146	749	12.6
	HIGH	914	8	1980.5	1614.1	2126	80.0	1644.9	13406	1766	57.6
			9	1659.0	1352.0	1583	47.4	1269.5	10346	1211	29.5
			10	1306.0	1064.5	1122	25.7	815.5	6646	701	11.2
	MEDIUM	802	8	1797.3	1446.8	1929	67.3	1495.9	12042	1606	48.7
			9	1508.2	1214.0	1439	40.0	1159.4	9333	1106	25.2
			10	1186.3	955.0	1019	21.7	698.0	5689	600	8.5
	LOW	690	8	1607.0	1279.2	1725	55.4	1337.8	10649	1436	40.0
			9	1344.4	1070.0	1283	32.7	1039.3	8273	991	20.7
			10	1057.8	842.0	909	17.7	688.2	5478	591	8.3
	SUPER LOW	607	8	1457.9	1151.7	1565	46.6	1213.9	9590	1303	33.7
			9	1214.7	959.6	1159	27.3	939.8	7424	897	17.4
			10	953.9	753.6	819	14.9	362.6	352.7	311	2.7
50	TURBO	902	8	1960.8	1594.2	2105	78.6	1628.7	13241	1748	56.6
			9	1643.2	1335.9	1568	46.5	1297.8	10550	1238	30.7
			10	1293.4	1051.5	1111	25.3	804.5	6540	691	10.9
	HIGH	843	8	1864.3	1510.0	2001	71.8	1551.1	12564	1665	51.9
			9	1564.7	1267.4	1493	42.7	1201.3	9730	1146	26.8
			10	1231.5	997.5	1058	23.2	746.5	6047	641	9.6
	MEDIUM	749	8	1708.6	1366.9	1834	61.6	1422.3	11378	1527	44.8
			9	1432.5	1146.0	1367	36.5	1104.9	8839	1054	23.1
			10	1127.0	901.6	968	19.8	686.4	5491	590	8.3
	LOW	655	8	1544.8	1223.5	1658	51.6	1286.4	10188	1381	37.4
			9	1290.0	1021.7	1231	30.4	998.6	7909	953	19.3
			10	1015.0	803.9	872	16.5	383.1	370.6	329	2.9
	SUPER LOW	578	8	1404.0	1102.1	1507	43.5	1169.1	917.7	1255	31.6
			9	1175.5	922.8	1122	25.8	903.2	7090	862	16.2
			10	915.6	718.7	787	13.7	357.7	342.9	307	2.6
75	TURBO	826	8	1836.9	1480.5	1972	70.0	1528.1	1231.6	1640	50.6
			9	1541.5	1242.4	1471	41.6	1183.9	954.2	1130	26.1
			10	1212.9	977.6	1042	22.6	727.7	586.5	625	9.2
	HIGH	772	8	1747.6	1401.6	1876	64.1	1454.3	1166.3	1561	46.3
			9	1465.2	1175.0	1398	38.0	1128.4	905.0	107.7	24.0
			10	1153.2	924.9	991	20.6	713.6	572.3	61.3	8.8
	MEDIUM	690	8	1607.0	1279.2	1725	55.3	1337.8	10649	1436	40.0
			9	1344.4	1070.0	1283	32.7	1039.3	8273	991	20.7
			10	1057.8	842.0	909	17.7	688.2	5478	591	8.3
	LOW	607	8	1457.9	1151.7	1565	46.5	1213.9	9590	1303	33.7
			9	1214.7	959.6	1159	27.3	939.6	742.3	897	17.4
			10	953.9	753.6	819	14.7	362.6	352.7	311	2.7
	SUPER LOW	536	8	1324.1	1036.8	1421	39.3	1102.8	863.5	1184	28.5
			9	1143.0	895.0	1091	24.5	846.6	662.9	808	14.4
			10	857.5	671.4	737	12.2	350.3	328.4	300	2.5

I/S = LITER PER SECOND
 TH = TOTAL CAPACITY (W)
 SH = SENSIBLE CAPACITY (W)
 WFR = WATER FLOW RATE (l/hr)
 PD = WATER PRESSURE DROP (kPa)

PERFORMANCE DATA (At Turbo Speed)
HEATING CAPACITY (Wtt) 2-Pipe System)



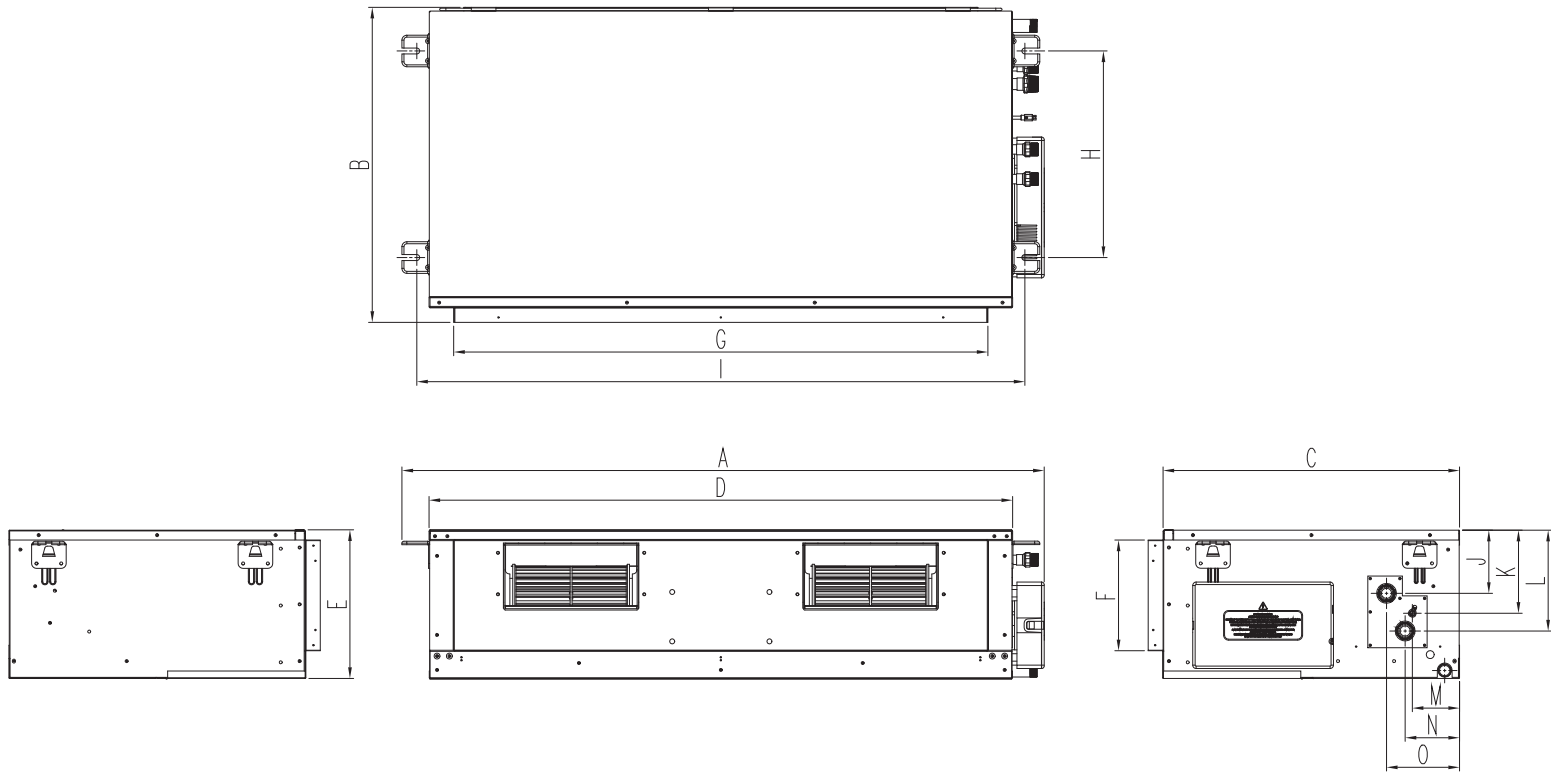
UNIT MODEL	External Static Pa	Air Flow l/s	Water Flow l/hr	Water Pressure drop kPa	Temp.diff. °k=Water entering temp.-Air entering temp.					
					20	30	40	50	60	70
IZNM18BPVH-CWA	25	374	940	36.0	4063	6119	8187	10259	12333	14412
			890	32.8	4033	6076	8130	10190	12250	14318
			840	29.3	4000	6028	8068	10114	12160	14214
	50	327	860	30.5	3700	5573	7456	9344	11233	13127
			810	28.6	3670	5530	7400	9276	11153	13034
			760	24.7	3639	5483	7339	9200	11063	12930
	75	274	770	25.2	3270	4924	6588	8256	9925	11598
			720	22.6	3240	4883	6535	8190	9848	11509
			670	19.7	3209	4837	6474	8116	9760	11408
IZNM24BPVH-CWA	25	498	1310	27.5	5727	8620	11530	14444	17360	20280
			1260	25.7	5700	8580	11476	14378	17282	20192
			1210	23.9	5668	8536	11418	14307	17197	20095
	50	466	1250	25.3	5465	8228	11003	13785	16568	19357
			1200	23.5	5437	8187	10950	13719	16492	19269
			1150	21.8	4507	8142	10892	13648	16406	19170
	75	430	1190	23.2	5168	7780	10404	13034	15666	18302
			1140	21.5	5140	7740	10352	12970	15590	18214
			1090	19.8	5110	7696	10295	12900	15506	18120
IZNM30BPVH-CWA	25	609	1580	30.1	6924	10426	13945	17470	21000	24538
			1530	28.3	6896	10384	13890	17404	20920	24446
			1480	26.6	6865	10340	13832	17333	20836	24348
	50	580	1520	28.1	6687	10068	13467	16873	20280	23697
			1470	26.4	6658	10026	13412	16805	20200	23605
			1420	24.9	6627	9980	13353	16733	20116	23507
	75	534	1450	25.6	6316	9509	12718	15935	19154	22380
			1400	24.2	6287	9468	12665	15869	19076	22289
			1350	22.7	6257	9424	12608	15800	18993	22194
IZNM36BPVH-CWA	25	703	2020	30.5	8884	13370	17876	22390	26908	31433
			1960	28.8	8852	13323	17814	22315	26818	31330
			1900	27.4	8818	13273	17750	22235	26723	31220
	50	654	1920	27.7	8434	12693	16970	21256	25545	29840
			1860	26.3	8402	12646	16910	21180	25456	29738
			1800	24.9	8368	12597	16845	21102	25360	29629
	75	599	1810	25.1	7916	11914	15930	19950	23973	28010
			1750	23.7	7885	11868	15869	19878	23890	27908
			1690	22.4	7850	11820	15805	19800	23796	27800
IZNM48BPVH-CWA	25	872	3140	36.0	13985	21043	28130	35230	42335	49452
			3080	34.8	13956	21000	28075	35162	42254	49359
			3020	33.6	13926	20956	18017	35092	42170	49263
	50	801	2950	32.2	13096	19705	26340	32989	39642	46306
			2890	31.1	13068	19663	26287	32923	39563	46215
			2830	29.9	13038	19620	26230	32853	39480	46120
	75	727	2740	28.2	12139	18265	24416	30578	36744	42920
			2680	27.2	12110	18224	24363	30513	36667	42832
			2620	26.1	12082	18182	24307	30445	36586	42740
IZNM60BPVH-CWA	25	872	3180	76.5	14138	21255	28395	35540	42689	49847
			3110	73.6	14107	21210	28334	35467	42600	49746
			3040	70.7	14075	21162	28272	35390	42510	49640
	50	801	2980	68.2	13234	19896	26577	33267	39958	46658
			2910	65.4	13204	19850	26520	33195	39870	46560
			2840	62.7	13172	19805	26458	33120	39783	46455
	75	727	2770	59.9	12266	18440	24633	30832	37034	43243
			2700	57.3	12237	18397	24576	30762	36950	43147
			2630	54.7	12206	18350	24516	30688	36863	43045
IZNM61BPVH-CWA	25	980	3680	35.7	16280	24520	32808	41116	49434	57770
			3600	34.2	16238	24460	32729	41020	49320	57640
			3520	32.8	16194	24396	32646	40920	49200	57504
	50	902	3450	31.6	15250	22968	30730	38512	46302	54110
			3370	30.4	15208	22908	30652	38417	46190	53982
			3290	29.2	15165	22846	30570	38318	46072	53848
	75	326	3220	27.6	14219	21415	28652	35907	43170	50450
			3140	26.4	14178	21356	28575	35814	43060	50324
			3060	25.2	14135	21294	28495	35716	42944	50190

PERFORMANCE DATA (At Turbo Speed)
HEATING CAPACITY (Wtt) 4-Pipe System)

UNIT MODEL	External Static Pa	Air Flo w l/s	Water Flow l/hr	Water Pressure drop kPa	Temp.diff. °k=Water entering temp.-Air entering temp.					
					20	30	40	50	60	70
IZNM18BRVH-CWA	25	362	950	14.65	4065	6138	8230	10330	12435	14549
			900	13.29	4029	6086	8163	10249	12339	14438
			850	11.98	3990	6030	8089	10159	12233	14317
	50	318	870	12.49	3721	5619	7534	9457	11384	13319
			820	11.22	3686	5568	7468	9377	11289	13210
			770	10.01	3647	5511	7394	9287	11183	13089
	75	270	780	10.24	3324	5019	6730	8447	10169	11897
			730	9.08	3289	4968	6664	8368	10075	11790
			680	7.98	3249	4912	6591	8279	9970	11669
IZNM24BRVH-CWA	25	428	1160	16.1	5012	7567	10146	12736	15332	17938
			1110	14.88	4976	7515	10079	12654	15234	17826
			1060	13.7	4937	7459	10006	12565	15129	17705
	50	395	1100	14.64	4746	7166	9608	12061	14519	16987
			1050	13.47	4711	7115	9541	11979	14422	16876
			1000	12.35	4672	7059	9469	11891	14318	16756
	75	366	1040	13.24	4501	6796	9112	11438	13769	16110
			990	12.12	4465	6744	9045	11357	13673	15999
			940	11.3	4426	6688	8972	11268	13567	15879
IZNM30BRVH-CWA	25	582	1470	32.2	6435	9697	12981	16273	19570	22876
			1420	29.57	6404	9651	12920	16199	19482	22774
			1370	27.75	6370	9602	12856	16120	19388	22666
	50	540	1400	28.82	6121	9224	12346	15478	18613	21575
			1350	27.02	6089	9178	12286	15404	18526	21657
			1300	25.26	6056	9129	12222	15326	18433	21549
	75	493	1330	26.29	5762	8683	11622	14570	17521	20480
			1280	24.56	5732	8638	11564	14498	17436	20382
			1230	22.9	5699	8591	11501	14421	17345	20277
IZNM36BRVH-CWA	25	656	1620	14.43	7056	10652	14280	17923	21572	2523
			1560	13.48	7013	10590	14199	17823	21455	25102
			1500	12.6	6967	10523	14112	17717	21329	24958
	50	623	1570	13.63	6821	10296	13803	17324	20851	24393
			1510	12.7	6778	10235	13722	17225	20735	24259
			1450	11.81	6732	10168	13636	17120	20610	24116
	75	569	1480	12.25	6419	9690	12989	16302	19622	22955
			1420	11.78	6377	9628	12910	16205	19507	22823
			1360	10.78	6331	9562	12824	16100	19383	22681
IZNM48BRVH-CWA	25	814	2030	25.66	8890	13403	17948	22508	27075	31655
			1970	24.19	8851	13346	17873	22416	26966	31530
			1910	22.61	8809	13285	17794	22319	26851	31398
	50	753	1930	23.35	8440	12725	17040	21969	25704	30053
			1870	21.76	8401	12668	16966	21278	25596	29929
			1810	20.52	8360	12608	16887	21182	25482	29797
	75	689	1820	20.72	7950	11985	16049	20126	24209	28305
			1760	19.51	7911	11929	15976	20036	24103	28182
			1700	18.33	7870	11869	15897	19941	23989	28051
IZNM60BRVH-CWA	25	865	2390	29.5	10483	15800	21150	26517	31892	37282
			2320	28.0	10438	15734	21066	26414	31770	37142
			2250	26.5	10392	15666	20977	26306	31640	36993
	50	798	2270	26.9	9923	14955	20020	25100	30188	35290
			2200	25.5	9880	14892	19937	25000	30067	35150
			2130	24.1	9834	14824	19850	24892	29940	35004
	75	725	2120	23.9	9281	13987	18725	23476	28234	33005
			2050	22.5	9238	13924	18642	23375	28114	32868
			1980	21.2	9192	13857	18555	23268	27987	32720
IZNM61BRVH-CWA	25	885	2490	23.5	10895	16426	21996	27584	33180	38795
			2410	22.2	10884	16350	21898	27465	33040	38632
			2330	20.9	10790	16272	21795	27338	32900	38460
	50	817	2360	21.3	10310	15545	20817	26105	31400	36713
			2280	20.1	10260	15470	20720	25986	31260	36552
			2200	18.8	10206	15392	20617	25860	31110	36380
	75	737	2210	19.0	9602	14475	19383	24307	29237	34183
			2130	17.8	9552	14403	19290	24190	29100	34026
			2050	16.6	9500	14325	19188	24067	28954	33857

UNIT DIMENSION & WEIGHT

DUCTED INDOOR UNIT

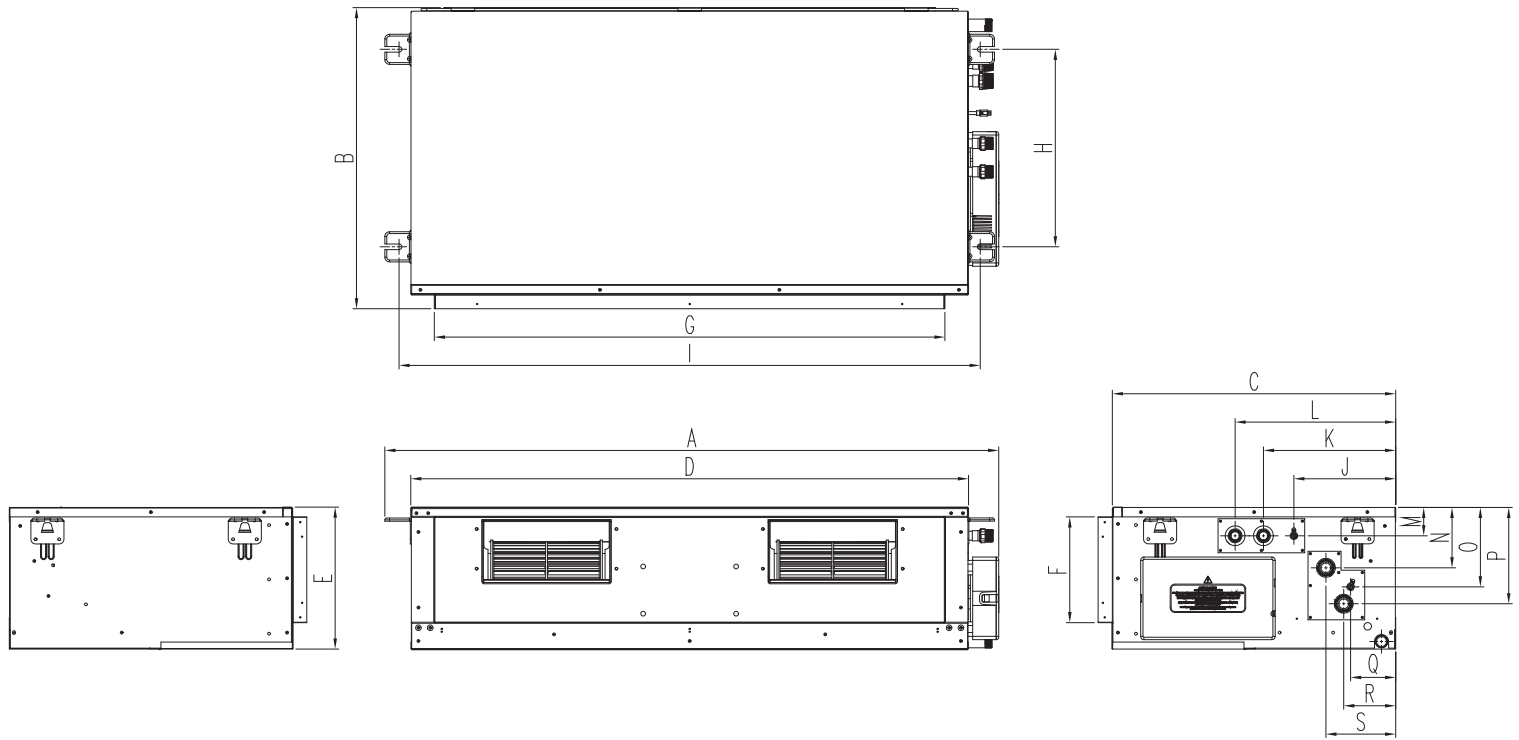


MODEL	DIMENSION (mm.)														
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
IZNM18	1000	513	480	880	270	194	780	298	931	136	149	179	70	78	105
IZNM24	1000	633	600	880	300	224	780	418	931	149	174	204	70	78	129
IZNM30-36	1300	633	600	1180	300	224	1080	418	1231	128	168	204	95	110	148
IZNM48-60	1520	633	600	1400	300	224	1300	418	1451	120	171	204	157	184	164
IZNM61	1520	720	660	1400	360	284	1300	478	1451	165	217	250	157	177	169

UNIT DIMENSION & WEIGHT



DUCTED INDOOR UNIT

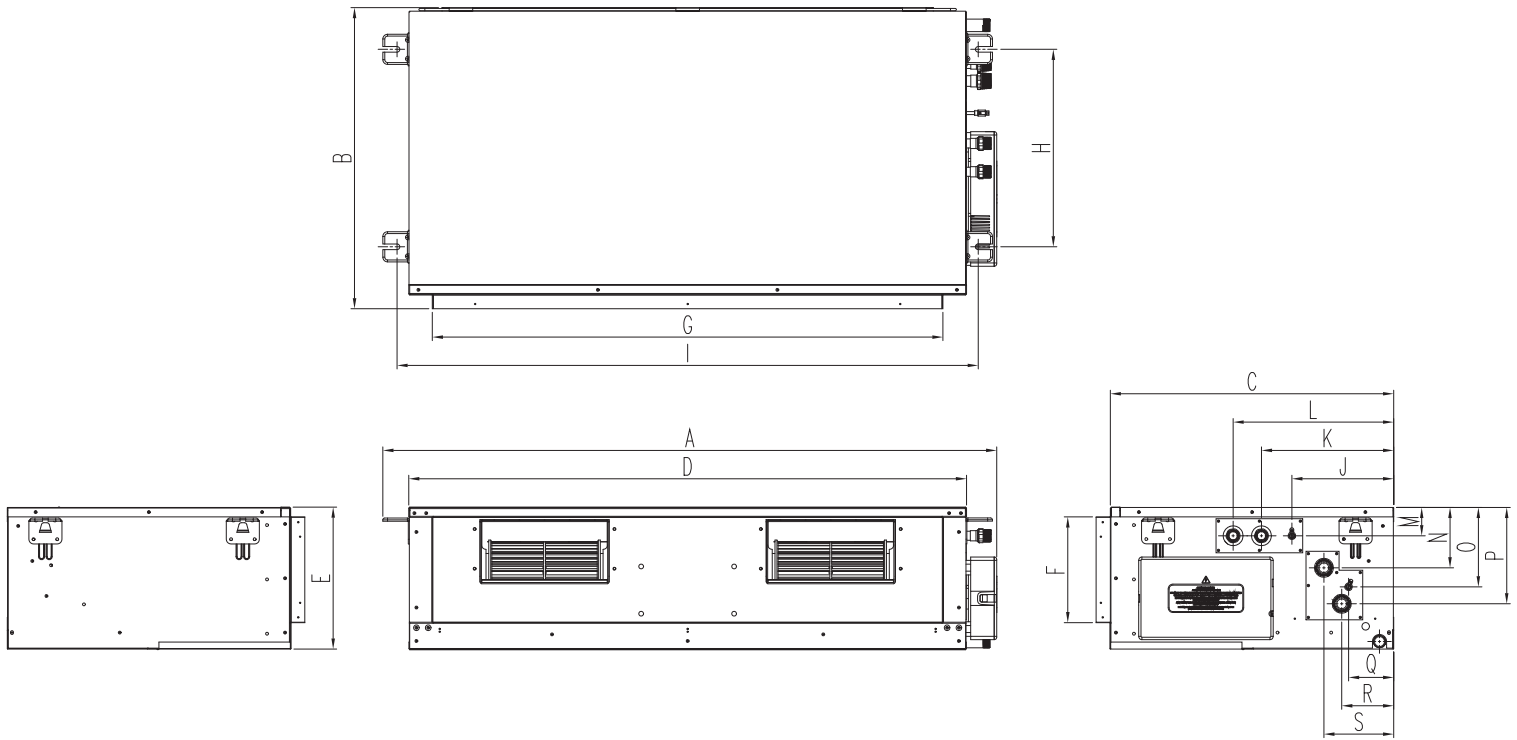


MODEL	DIMENSION (mm.)																		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
IZNM18	1000	513	480	880	270	194	780	298	931	170	215	275	44	136	149	179	70	78	105
IZNM24	1000	633	600	880	300	224	780	418	931	175	220	280	80	149	174	204	70	78	129
IZNM30-36	1300	633	600	1180	300	224	1080	418	1231	216	280	340	60	128	168	204	95	110	148
IZNM48-60	1520	633	600	1400	300	224	1300	418	1451	162	266	336	60	120	171	204	157	184	164
IZNM61	1520	720	660	1400	360	284	1300	478	1451	146	300	370	60	165	217	250	157	177	169

UNIT DIMENSION & WEIGHT



DUCTED INDOOR UNIT



MODEL	DIMENSION (mm.)																		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
IZNM18	1000	513	480	880	270	194	780	298	931	170	215	275	44	136	149	179	70	78	105
IZNM24	1000	633	600	880	300	224	780	418	931	175	220	280	80	149	174	204	70	78	129
IZNM30-36	1300	633	600	1180	300	224	1080	418	1231	216	280	340	60	128	168	204	95	110	148
IZNM48-60	1520	633	600	1400	300	224	1300	418	1451	162	266	336	60	120	171	204	157	184	164
IZNM61	1520	720	660	1400	360	284	1300	478	1451	146	300	370	60	165	217	250	157	177	169

THANK YOU FOR VISITING US



IZUMI CORPORATION, TOKYO, JAPAN

3-12-8 Kinshi, 3-12-8, Sumida-ku, Tokyo, Japan
Post:130-0013, Tel.81-3-5848-2500,Fax. +81-3-5848-2500
info@izumicool.com, www.izumicool.com