

ISOMAG

EVAPORATOR & CONDENSER

COOLING EQUIPMENT



High Efficiency



Best Performance



Easy Operation



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DEFROST EVAPORATOR

IDL, IDD, IDJ Series



High Efficiency



Best Performance



Features

Defrost Evaporator is a kind of cooling equipment suitable for various cold storages, such as quick freezing, fresh keeping and etc.

There are three types available :

IDL, IDD and IDJ, which fits for the different cold temperatures. It has compact structure and make full use of warehouse area, which can make the storage food cool rapidly and improve the freshness of storage food. IDL type is suitable for fresh-keeping storehouse around 0 °C, IDD type suitable for chiller room around -18 °C, IDJ type is suitable for freezer room around -25 °C.

The Features as follows :

- ▶ The evaporator are of reasonable structure, uniform frosting and high efficiency heat exchange
- ▶ The shell is made of quality steel with surface plastic-sprayed which is corrosion-resistant and beautiful
- ▶ The evaporator are assembled with quality fan motor with low noise, big air volume and stable operation
- ▶ The evaporator adopt U-shaped stainless copper pipe evenly put into the fins, which can shorten the defrosting time
- ▶ The shell materials can be produced according to customer 's requirement
- ▶ The evaporator are tested under air pressure 2.5 MPa, guaranteeing the products' high gas tightness.

Tech.data for IDL ceiling type High Temperature Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater		
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Power Supply	Coil (kW)	Catchment Tray (kW)	Power Supply
IDL-2.1/10	2.1	10.0	4.5	1	300	1700	98	90	220/380v 50Hz 1Ph/3Ph	0.5	0.50	220V 50Hz 1Ph
IDL-3.1/15	3.1	15.0		2	300	2*1700	98	2*90		0.7	0.70	
IDL-4.2/20	4.2	20.0		2	300	2*1700	98	2*90		0.8	0.80	
IDL-5.2/25	5.2	25.0		2	300	2*2200	98	2*140	1.0	1.00		
IDL-8.2/40	8.2	40.0		2	400	2*3400	118	2*180	2.2	1.10		
IDL-11.5/55	11.5	55.0		2	400	2*3400	118	2*180	2.2	1.10		
IDL-16.7/80	16.7	80.0		2	500	2*600	167	2*550	2.7	1.35		
IDL-22.0/105	22.0	105.0		2	500	2*600	167	2*550	4.0	1.35		
IDL-25.8/125	25.8	125.0		3	500	3*600	167	3*550	7.2	1.80		
IDL-35.6/160	35.6	160.0		3	500	3*600	167	3*550	8.8	2.20		
IDL-38.7/185	38.7	185.0		4	500	4*600	167	4*550	10.0	2.50		
IDL-44.0/210	44.0	210.0		4	500	4*600	167	4*550	11.2	2.80		
IDL-52.9/260(A)	52.9	260.0		4	500	4*6000	167	4*550	14.0	2.80		
IDL-52.9/260(B)	52.9	260.0		2	600	2*10000	200	2*1100	12.6	1.80		
IDL-67.2/330(A)	67.2	330.0		4	550	4*7500	180	4*750	16.8	2.80		
IDL-67.2/330(B)	67.2	330.0		3	600	3*10000	200	3*1100	15.5	2.20		
IDL-83.4/410	83.4	410.0		3	600	3*10000	200	3*1100	18.2	2.60		
IDL-86.0/440	86.0	440.0		3	600	3*10000	200	3*1100	19.6	2.80		
IDL-91.0/460	91.0	460.0		3	650	3*12000	210	3*2200	20.8	2.6		
IDL-97.5/500	97.5	500.0		3	650	4*12000	210	3*2200	22.4	2.80		
IDL-105.0/540	105.0	540.0		4	600	4*10000	200	4*1100	22.4	2.80		
IDL-111.0/570	111.0	570.0		4	600	4*10000	200	4*1100	22.4	2.80		
IDL-117.0/600	117.0	600.0		4	650	4*12000	210	4*2200	25.2	2.80		
IDL-125.0/640	125.0	640.0		4	650	4*12000	210	4*2200	25.2	2.80		
IDL-129.0/665	129.0	665.0		4	650	4*12000	210	4*2200	25.2	5.60		
IDL-133.0/700	133.0	700.0		4	650	4*12000	210	4*2200	28.0	5.60		
IDL-140.0/735	140.0	735.0		4	650	4*12000	210	4*2200	28.0	5.60		
IDL-147.0/775	147.0	775.0		4	650	4*12000	210	4*2200	33.5	5.60		
IDL-152.0/800	152.0	800.0		4	650	4*12000	210	4*2200	33.5	5.60		

Note : The tech.data is based on R22, T(r)=0°C, ΔT=10°C.



Tech.data for IDD ceiling type Middle Temperature Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater		
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Power Supply	Coil (kW)	Catchment Tray (kW)	Power Supply
IDD-1.4/7	1.40	7	6	1	300	1700	98	90	220/380v 50Hz 1Ph/3Ph	0.5	0.5	220V 50Hz 1Ph
IDD-2.3/12	2.35	12		2	300	2*1700	98	2*90		0.7	0.7	
IDD-3.0/15	3.00	15		2	300	2*1700	98	2*90		0.8	0.8	
IDD-4.0/22	4.00	22		2	350	2*2200	98	2*140	1.0	1.0		
IDD-6.0/30	6.00	30		2	400	2*3400	118	2*180	2.2	1.1		
IDD-8.0/40	8.00	40		2	400	2*3400	118	2*180	2.2	1.1		
IDD-12.0/60	12.00	60		2	500	2*6000	167	2*550	4.0	1.4		
IDD-15.9/80	15.90	80		2	500	2*6000	167	2*550	5.4	1.4		
IDD-20.0/100	20.00	100		3	500	3*6000	167	3*550	9.0	1.8		
IDD-24.0/120	24.00	120		3	500	3*6000	167	3*550	11.0	2.2		
IDD-28.0/140	28.00	140		4	500	4*6000	167	4*550	12.5	2.5		
IDD-32.1/160	32.10	160		4	500	4*6000	167	4*550	14.0	2.8		
IDD-37.4/200(A)	37.40	200		4	500	4*6000	167	4*550	16.8	2.8		
IDD-37.4/200(B)	37.40	200		2	600	2*10000	200	2*1500	14.4	1.8		
IDD-46.8/250(A)	46.80	250		4	550	4*7500	180	4*750	19.6	2.8		
IDD-46.8/250(B)	46.80	250		3	600	3*10000	200	3*1500	17.5	2.2		
IDD-56.2/310	56.20	310		3	600	3*10000	200	3*1100	20.8	2.6		
IDD-59.4/330	59.40	330		3	600	3*10000	200	3*1500	22.4	2.8		
IDD-64.7/350	64.70	350		3	650	3*12000	210	3*2200	26.0	2.6		
IDD-68.4/380	68.40	380		3	650	3*12000	210	3*2200	28.0	2.8		
IDD-72.0/400	72.00	400		4	650	4*10000	200	4*1500	28.0	2.8		
IDD-76.5/425	76.50	425		4	650	4*10000	200	4*1500	28.0	2.8		
IDD-81.0/450	81.00	450		4	650	4*12000	210	4*2200	31.0	2.8		
IDD-86.5/480	86.50	480		4	650	4*12000	210	4*2200	31.0	2.8		
IDD-90.0/500	90.00	500		4	650	4*12000	210	4*2200	31.0	5.6		
IDD-93.0/530	93.00	530		4	650	4*12000	210	4*2200	35.4	5.6		
IDD-96.0/550	96.00	550		4	650	4*12000	210	4*2200	35.4	5.6		
IDD-101.0/580	101.00	580		4	650	4*12000	210	4*2200	40.0	5.6		
IDD-105.0/600	105.00	600	4	650	4*12000	210	4*2200	40.0	5.6			

Note : The tech.data is based on R22, T(r)=0°C, ΔT=10°C.



Tech.data for IDJ ceiling type Low Temperature Evaporator

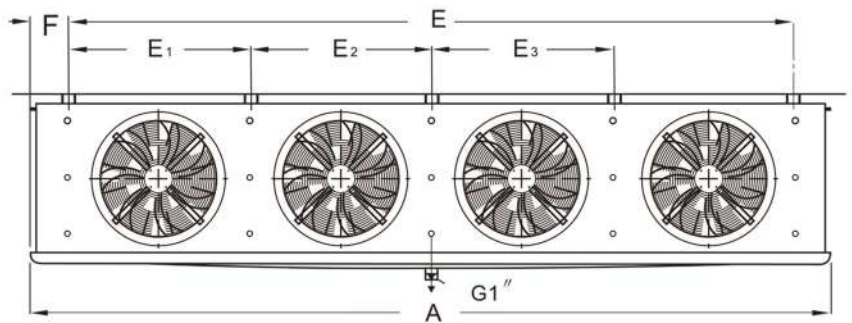
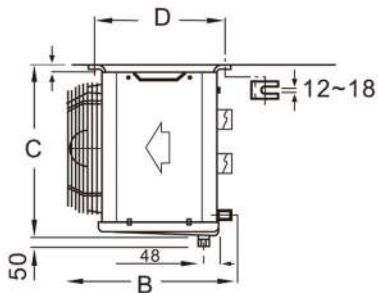
Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater		
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Power Supply	Coil (kW)	Catchment Tray (kW)	Power Supply
IDJ-1.2/7	1.20	7	9	2	300	1700	98	2*90	220/380v 50Hz 1Ph/3Ph	0.7	0.7	220V 50Hz 1Ph
IDJ-1.32/10	1.32	10		2	300	2*1700	98	2*140		0.8	0.8	
IDJ-2.3/15	2.30	15		2	350	2*1700	98	2*140		1.0	1.0	
IDJ-4.0/20	4.00	20		2	400	2*2200	98	2*180	2.2	1.1		
IDJ-5.1/30	5.10	30		2	400	2*3400	118	2*180	2.2	1.1		
IDJ-7.8/40	7.80	40		2	500	2*3400	118	2*550	4.0	1.4		
IDJ-9.5/55	9.50	55		2	500	2*6000	167	2*550	5.4	1.4		
IDJ-12.8/70	9.50	70		3	500	2*6000	167	3*550	9.0	1.8		
IDJ-15.7/85	12.80	85		3	500	3*6000	167	3*550	11.0	2.2		
IDJ-18.5/100	15.70	100		4	500	3*6000	167	4*550	12.5	2.5		
IDJ-21.6/115	18.50	115		4	500	4*6000	167	4*550	14.0	2.8		
IDJ-23.8/140(A)	21.60	140		4	500	4*6000	167	4*550	16.8	2.8		
IDJ-23.8/140(B)	23.80	140		2	600	2*10000	200	2*1500	14.4	1.8		
IDJ-29.0/170(A)	23.80	170		4	550	4*7500	180	4*750	19.6	2.8		
IDJ-29.0/170(B)	29.00	170		3	600	3*10000	200	3*1500	17.6	2.4		
IDJ-35.9/210	35.90	210		3	600	4*7500	180	3*1500	20.8	2.6		
IDJ-38.0/225	38.00	225		3	600	3*10000	200	3*1500	22.4	2.8		
IDJ-39.8/235	39.80	235		3	650	3*10000	200	3*2200	26.0	2.6		
IDJ-43.2/255	43.20	255		3	650	3*12000	210	3*2200	28.0	2.8		
IDJ-47.6/280	47.60	280		3	600	3*12000	210	4*1500	28.0	2.8		
IDJ-50.0/295	50.00	295	4	600	4*10000	200	4*1500	28.0	2.8			
IDJ-52.7/310	52.70	310	4	650	4*10000	200	4*2200	31.0	2.8			
IDJ-56.0/330	56.00	330	4	650	4*12000	210	4*2200	31.0	2.8			
IDJ-58.5/345	58.50	345	4	650	4*12000	210	4*2200	31.0	2.8			
IDJ-60.0/365	60.00	365	4	650	4*12000	210	4*2200	35.4	5.6			
IDJ-63.0/380	63.00	380	4	650	4*12000	210	4*2200	35.4	5.6			
IDJ-66.0/400	66.00	400	4	650	4*12000	210	4*2200	40.0	5.6			
IDJ-68.0/415	68.00	415	4	650	4*12000	210	4*2200	40.0	5.6			

Working Conditions		
T (Cold Room)	ΔT	Correction Factors
0°C	8k	0.8
-18°C	7k	0.72
-25°C	6k	0.61

**Note :The tech.data is based on R22, T(r)=-25°C, ΔT=10°C.
If any special application, please contact us.**

Overall and installation dimension for ceiling Type Evaporator

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Drain pipe	
IDL-2.1/10 IDD-1.4/7	730	390	460	270	530	/	/	/	95	12	19	G1"	
IDL-3.1/15 IDD-2.35/12 IDJ-1.2/7													
IDL-4.2/20 IDD-3.0/15 IDJ-1.32/10													
IDL-5.2/25 IDD-4.0/22 IDJ-2.3/15													
IDL-8.2/40 IDD-6.0/30 IDJ-4.0/20													
IDL-11.5/55 IDD-8.0/40 IDJ-5.1/30													
IDL-16.7/80 IDD-12.0/60 IDJ-7.8/40	1810	670	660	460	1530	750	/	/		19	35		
IDL-22.0/105 IDD-15.9/80 IDJ-9.5/55													
IDL-25.6/160 IDD-20.0/100 IDJ-12.8/70													
IDL-35.6/160 IDD-24.0/120 IDJ-15.7/85	2710	670	660	460	2430	800	800	/			25		38
IDL-38.7/185 IDD-28.0/140 IDJ-18.5/100													
IDL-44.0/210 IDD-32.1/160 IDJ-21.6/115													
IDL-52.5/260(A) IDD-37.4/200(A) IDJ-23.8/140(A)	3510	690	660	510	3230	800	800	800	50	G1" 1/2			
IDL-52.9/260(B) IDD-37.4/200(B) IDJ-23.8/140(B)													



Overall and installation dimension for ceiling Type Evaporator

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Drain pipe
IDL-67.2/330(A)	3440	740	890	510	3150	780	780	780	95	25	50	G1" 1/2
IDD-46.8/250(A)												
IDJ-29.0/170(A)												
IDL-67.2/330(B)	2710	960	860	630	2450	800	800	/				
IDD-46.8/250(B)												
IDJ-29.0/170(B)												
IDL-83.4/410	3190	390	860	630	2930	960	960	/				
IDD-56.2/310												
IDJ-35.9/210												
IDL-86.0/440	3410	960	890	640	3140	1030	1030	/				
IDD-59.4/330												
IDJ-38.0/225												
IDL-91.0/460	3200	1050	990	640	2930	960	960	/				
IDD-64.7/350												
IDJ-39.8/235												
IDL-97.5/500	3470	1050	990	640	3200	1050	1050	/				
IDD-68.4/380												
IDJ-43.2/255												
IDL-105.0/540	4120	1050	890	640	3850	950	950	950				
IDD-72.0/400												
IDJ-47.6/280												
IDL-111.0/570	4320	1050	890	640	4050	1000	1000	1000				
IDD-76.5/425												
IDJ-50.0/295												
IDL-117.0/600	4120	1050	990	640	3850	950	950	950				
IDD-81.0/450												
IDJ-52.7/310												
IDL-125.0/640	4320	1050	990	640	4050	1000	1000	1000				
IDD-86.5/480												
IDJ-56.0/330												
IDL-129.0/665	4480	1050	990	640	4210	1040	1040	1040				
IDD-90.0/500												
IDJ-58.5/345												
IDL-133.0/700	3840	1150	990	740	3570	880	880	880				
IDD-93.0/530												
IDJ-60.0/365												
IDL-140.0/735	4000	1150	990	740	3730	920	920	920				
IDD-96.0/550												
IDJ-63.0/380												
IDL-147.0/775	4200	1150	990	740	3930	970	970	970				
IDD-101.0/580												
IDJ-66.0/400												
IDL-152.0/800	4320	1150	990	740	4050	1000	1000	1000				
IDD-105.0/600												
IDJ-68.0/415												

DEFROST EVAPORATOR

IDL, IDD, IDJ Series



High Efficiency



Best Performance



Features

Water defrost evaporator is a kind of cooling equipment used in those cold storage rooms where electrical defrosting is not applicable or quick defrosting is required. According to applicable temperature, there are 3 types including IDL, IDD, IDJ, which are applicable to about 0°C, -18°C and -25°C cold storage rooms respectively.

Product Features as follows :

- ▶ The shell is made of quality steel plate; plastic-sprayed surface is anti-corrosive, and its appearance is beautiful.
- ▶ Long-distance air supply or explosion-proof motors can be used according to customers requirements.
- ▶ Water defrosting realizes quick defrosting, which can achieve good effect and less energy consumption, The rolls temperature rise of small.
- ▶ Run without high power electric equipment inside the cold storage, high security

The main tech.data for IDD type Water Defrost Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater		
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Voltage	Water Volume (T/h)	Water Inlet (Inch)	Water Outlet (Inch)
IDD-12.0/60	12.0	60	6	2	500	2*6000	167	2*550	380V 50Hz 3Ph	2.0	G1 1/2	G2 1/2
IDD-15.9/80	15.9	80		2	500	2*6000	167	2*550		2.7		
IDD-20.0/100	20.0	100		3	500	3*6000	167	3*550		3.2		
IDD-24.0/120	24.0	120		3	500	3*6000	167	3*550		3.9		
IDD-28.0/140	28.0	140		4	500	4*6000	167	4*550		4.5	G3	
IDD-32.1/160	32.1	160		4	500	4*6000	167	4*550		5.0		
IDD-37.4/200(A)	37.4	200		4	500	2*10000	167	4*550		6.3		
IDD-37.4/200(B)	37.4	200		2	600	4*7500	167	2*1500		6.3	G2	
IDD-46.8/250(A)	46.8	250		4	550	3*10000	180	4*750		7.5		
IDD-46.8/250(B)	46.8	250		3	600	3*10000	200	3*1500		7.5		
IDD-56.2/310	56.2	310		3	600	3*10000	200	3*1500		9.3	G4	
IDD-59.4/330	59.4	330		3	600	3*10000	200	3*1500		9.9		
IDD-64.7/350	64.7	350		3	650	3*12000	210	3*2200		10.5		
IDD-68.4/380	68.4	380		3	650	3*12000	210	3*2200		11.4		
IDD-72.0/400	72.0	400		4	600	4*10000	200	4*1500		12.0	2-G2	
IDD-76.5/425	76.5	425		4	600	4*10000	200	4*1500		12.8		
IDD-81.0/450	81.0	450		4	650	4*12000	210	4*2200		13.5		
IDD-86.5/480	86.5	480		4	650	4*12000	210	4*2200		14.4		
IDD-90.0/500	90.0	500		4	650	4*12000	200	4*2200		15.0	G5	
IDD-93.0/530	93.0	530		4	650	4*12000	210	4*2200		15.4		
IDD-96.0/550	96.0	550	4	650	4*12000	210	4*2200	16.0				
IDD-101.0/580	101.0	580	4	650	4*12000	210	4*2200	16.8				
IDD-105.0/600	105.0	600	4	650	4*12000	210	4*2200	17.4				

Note :The tech.data is based on R22,T(r)=-18°C, ΔT=10°C.

The main tech.data for IDJ type Water Defrost Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater		
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Voltage	Water Volume (T/h)	Water Inlet (Inch)	Water Outlet (Inch)
IDJ-7.8/40	7.8	40	9	2	500	2*6000	167	2*550	380V 50Hz 3Ph	2.0	G1 1/2	G2 1/2
IDJ-9.7/55	9.8	55		2	500	2*6000	167	2*550		2.7		
IDJ-12.8/70	12.8	70		3	500	3*6000	167	3*550		3.2		
IDJ-15.7/85	15.7	85		3	500	3*6000	167	3*550		3.7		
IDJ-18.8/100	18.8	100		4	500	4*6000	167	4*550		4.5	G3	
IDJ-21.6/115	21.6	115		4	500	4*6000	167	4*550		5.0		
IDJ-23.9/140(A)	23.9	140		4	500	2*10000	167	4*550		6.3		
IDJ-23.9/140(B)	23.9	140		2	600	4*7500	200	2*1500		6.3	G2	
IDJ-29.0/170(A)	29.0	170		4	550	3*10000	180	4*750		7.5		
IDJ-29.0/170(B)	29.0	170		3	600	3*10000	200	3*1500		7.5		
IDJ-35.9/210	35.9	210		3	600	3*10000	200	3*1500		9.3	G4	
IDJ-38.0/225	38.0	225		3	600	3*10000	200	3*1500		9.9		
IDJ-39.8/235	39.8	235		3	650	3*12000	210	3*2200		10.5		
IDJ-43.2/255	43.2	255		3	650	3*12000	210	3*2200		11.4		
IDJ-47.6/280	47.6	280		4	600	4*10000	200	4*1500		12.0	2-G2	
IDJ-50.0/295	50.0	295		4	600	4*10000	200	4*1500		12.8		
IDJ-52.7/310	52.7	310		4	650	4*12000	210	4*2200		13.5		
IDJ-56.0/330	56.0	330		4	650	4*12000	210	4*2200		14.4		
IDJ-58.5/345	58.5	345		4	650	4*12000	200	4*2200		15.0		
IDJ-60.0/365	60.0	365		4	650	4*12000	210	4*2200		15.4		
IDJ-63.0/380	63.0	380		4	650	4*12000	210	4*2200		16.0	G5	
IDJ-66.0/400	66.0	400		4	650	4*12000	210	4*2200		16.8		
IDJ-68.0/410	68.0	410		4	650	4*12000	210	4*2200		17.4		

Working Conditions		
T (Cold Room)	ΔT	Correction Factors
0°C	8k	0.8
-18°C	7k	0.72
-25°C	6k	0.61

Note :The tech.data is based on R22, T(r)=-25°C, ΔT=10°C.
If any special application, please contact us.

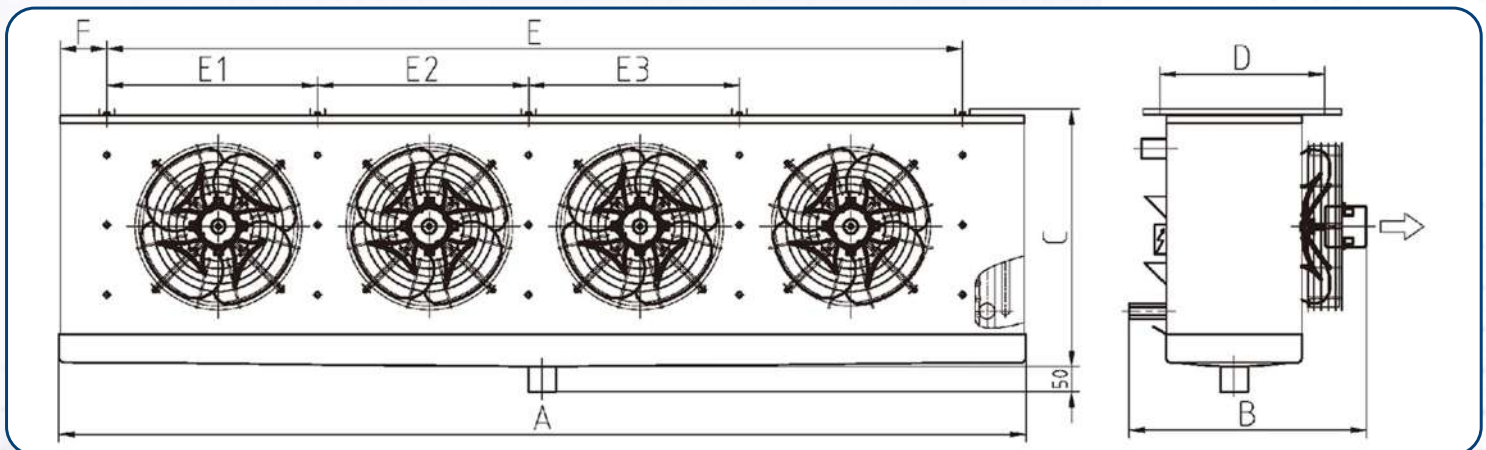
The installation dimensions for Water Detrost Evaporator

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Water Inlet	Drain pipe
IDD-12.0/60	730	390	860	510	1530	750	/	/	95	19	35	G1 1/2	G1 1/2
IDJ-7.8/40													
IDD-15.9/80	1820	758000	860	560	1530	750	/	/			38		
IDJ-9.7/55													
IDD-20.0/100	2300	800	860	560	2010	660	660	/					
IDJ-12.8/70													
IDD-24.0/120	2720	800	860	560	2430	800	800	/					
IDJ-15.7/85													
IDD-28.0/140	3120	800	860	560	2830	700	700	700					
IDJ-18.8/100													
IDD-32.1/160	3520	800	860	560	3230	800	800	800					
IDJ-21.8/115													
IDD-37.4/200(A)	3520	880	860	560	3230	800	800	800	25	50	G2	G3	
IDJ-23.9/140(A)													
IDL-52.5/260(B)	2200	1140	1130	740	1950	950	/	/					
IDD-37.4/200(B)													
IDJ-23.9/140(B)													
IDD-46.8/250(A)	340	910	1130	640	3150	780	780	780					
IDJ-29.0/170(A)													
IDL-67.2/330(B)	2720	1140	1130	740	2450	800	800	/					
IDD-46.8/250(B)													
IDJ-29.0/170(8)													
IDD-56.2/310	3200	1140	1120	740	2930	960	960	/					
IDJ-35.9/210													
IDL-52.5/260(B)	2200	1140	1120	740	1950	950	/	/					
IDJ-23.9/140(B)													
IDL-86.0/440	3410	1150	1120	740	3140	1030	1030	/					
IDD-59.4/330													
IDJ-38.0/225													
IDL-91.0/460	3200	1150	1120	740	2930	960	960	/					
IDD-64.7/350													
IDJ-39.8/235													
IDL-97.5/500	3470	1150	1120	740	3200	1050	1050	/					
IDD-68.4/380													
IDJ-43.2/255													
IDL-105.0/540	4120	1150	1120	740	3850	950	950	950					
IDD-72.0/400													
IDJ-47.6/280													
IDL-111.0/570	4320	1150	1120	740	4050	1000	1000	1000	54	2-G2			
IDD-76.5/425													
IDJ-50.0/295													

Note : If any special application, please contact us for extra solutions.

The installation dimensions for Water Defrost Evaporator

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Water Inlet	Drain pipe
IDL-117.0/600	4120	1150	1120	740	3850	950	950	950	95	28			G4
IDD-81.0/450													
IDJ-52.7/310													
IDL-125.0/665	4320	1150	1120	740	4050	1000	1000	1000					
IDD-86.5/480													
IDJ-56.0/330													
IDL-129.0/665	4480	1150	1120	740	4210	1040	1040	1040					
IDD-90.0/500													
IDJ-58.5/345													
IDL-133.0/700	3840	1250	1120	840	840	880	880	880		2-25	60	2-G2	G5
IDD-93.0/530													
IDJ-60.0/365													
IDL-140.0/775	4000	1250	1120	840	840	920	920	920					
IDD-96.0/550													
IDJ-63.0/380													
IDL-147.0/775	4200	1250	1120	840	840	970	970	970					
IDD-101.0/580													
IDJ-66.0/400													
IDL-152.0/800	4320	1250	1120	840	840	1000	1000	1000					
IDD-105.0/600													
IDJ-68.0/410													



Notes : If any special application, please contact us for extra solutions.

DOUBLE SIDE BLOWN EVAPORATOR

ISEDD, ISEDL, ISEDJ Series



High Efficiency



Best Performance



Features

Double side blown evaporator is most suitable for food process workshop, also widely used in supermarket and hotel. They are of reasonable structure, less posting, low noise and extremely high efficiency heat exchange.

The Features as follows :

- ▶ The shell is made of quality steel with surface plastic-sprayed which is corrosion-resistant and beautiful.
- ▶ Assembled with axial fan motor, double side wind blown type with soft blowing and low noise.
- ▶ Adopts U-shaped stainless steel heaters, improve the efficiency of defrosting.
- ▶ If customized products are needed, please contact us.

Tech.data for ISEDL type Double Side Blown Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater	
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Voltage	Power (kW)	Voltage (V)
ISEDL-20	4.2	20.0	4.5	2	300	2*1700	82	2*90	380V 50Hz 3Ph	2.7	220
ISEDL-30	6.2	30.0		2	300	2*1700	82	2*90		2.8	
ISEDL-40	8.3	40.0		2	350	2*2200	98	2*140		3.5	
ISEDL-55	11.5	55.0		2	350	3*2200	98	3*140		4.8	
ISEDL-80	16.5	80.0		3	350	3*2200	98	3*140		8.1	
ISEDL-105	22.2	105.0		3	400	3*3400	118	3*140		9.5	
ISEDL-130	27.8	130.0		4	400	4*3400	118	4*180		11.5	
ISEDL-160	33.6	160.0		4	450	4*4800	147	4*250		13.8	

Note : The tech.data is based on R22,T(r)=0°C, ΔT=10°C.

Tech.data for ISEDD type Double Side Blown Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater	
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Voltage	Power (kW)	Voltage (V)
ISEDD-15	2.8	15.0	4.5	2	300	2*1700	82	2*90	380 / 220	2.7	220
ISEDD-22	4.1	22.0		2	300	2*1700	82	2*90		2.8	
ISEDD-30	5.6	30.0		2	350	2*2200	98	2*140		3.5	
ISEDD-40	7.4	40.0		3	350	3*2200	98	3*140		4.8	
ISEDD-60	11.2	60.0		3	350	3*2200	98	3*140	8.1		
ISEDD-80	14.2	80.0		3	400	3*3400	118	3*140	9.5		
ISEDD-100	18.6	100.0		4	400	4*3400	118	4*180	380	11.5	
ISEDD-120	22.2	120.0		4	450	4*4800	147	4*250	13.8		

Note : The tech.data is based on R22,T(r)=-18°C, ΔT=10°C.



Tech.data for ISEDJ type Double Side Blown Evaporator

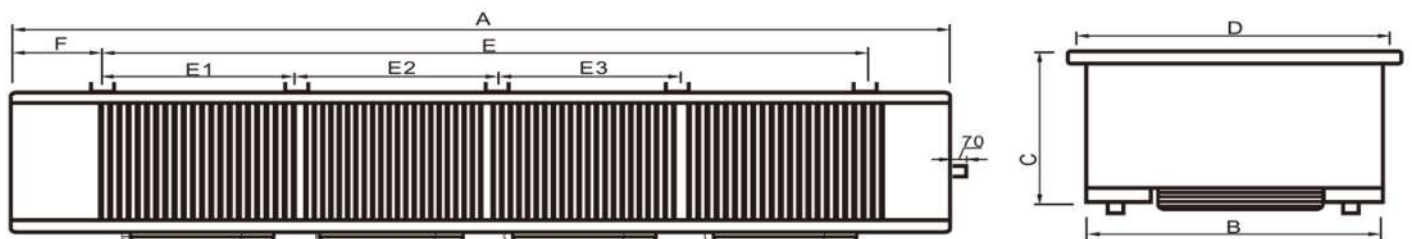
Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan						Defrost Heater	
				Qty	Diameter (mm)	Volume (m ³ /h)	Pressure (pa)	Fan Motor (n*w)	Voltage (V)	Power (kW)	Voltage (V)
ISEDJ-10	1.5	10.0	9	2	300	2*1700	82	2*90	380 / 220	2.6	220
ISEDJ-15	2.3	15.0		2	300	2*1700	82	2*90		3.0	
ISEDJ-20	3.2	20.0		2	350	2*2200	98	2*140		3.6	
ISEDJ-30	4.6	30.0		3	350	3*2200	98	3*140		5.4	
ISEDJ-40	6.3	40.0		3	350	3*2200	98	3*140	7.2		
ISEDJ-55	8.8	55.0		3	400	3*3400	118	3*140	8.6		
ISEDJ-70	11.5	70.0		4	400	4*3400	118	4*180	9.8		
ISEDJ-85	14.4	85.0		4	450	4*4800	147	4*250	11.2		

Working Conditions		
T (Cold Room)	ΔT	Correction Factors
0°C	8k	0.8
-18°C	7k	0.72
-25°C	6k	0.61

Note : the tech .data is based on R22,T(r)=-25°C, ΔT=10°C, Please contact our technicians for more different special working conditions,

The overall and installation dimension for Double Side Blown Evaporator

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Drain pipe
ISEDL-20	1010	680	350	730	780	/	/	/	95	16	22	G1
ISEDJ-10												
ISEDL-30												
ISEDJ-15												
ISEDL-40												
ISEDJ-20												
ISEDL-55	1580	740	350	800	1350	/	/	/		19	25	
ISEDJ-30												
ISEDL-80												
ISEDJ-40	1760	790	450	830	1530	/	/	/		19	28	
ISEDL-105												
ISEDJ-55												
ISEDL-130	2660	790	450	850	2430	600	600	600	19	35		
ISEDJ-70												
ISEDL-160												
ISEDJ-85	3140	840	450	900	2910	720	720	720	19	42		
ISEDJ-70												
ISEDJ-85												



FLOOR STANDING

TYPE TOP BLOWN WATER DEFROST EVAPORATOR

ILD Series



Tech.data for ILD type floor standing type Top-Blown Water Defrost Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan					Water Defrost	
				Qty	Diameter (mm)	Volume (m ³ /h)	Power (pa)	Power Supply	Water Inlet (inch)	Drain pipe (inch)
ILD-37.4/200	37.4	200.0	6	2	600	2*10000	2*1500	380V 50Hz 3Ph	G2	G4
ILD-46.2/250	46.2	250.0		3	600	3*10000	3*1500			
ILD-56.2/300	56.2	300.0		3	600	3*10000	3*1500		G2 1/2	
ILD-65.5/350	65.5	350.0		3	650	3*14000	3*2200			
ILD-74.8/400	74.8	400.0		3	650	3*14000	3*2200			

Note : The tech.data is based on R22, T(r)=0°C, AT=10°C.

FLOOR STANDING

TYPE TOP BLOWN WATER DEFROST EVAPORATOR

ILJ Series



Tech.data for ILD type floor standing type Top-Blown Water Defrost Evaporator

Model	Ref. Capacity (KW)	Cooling Area (m ²)	Spacing of Fins	Fan					Water Defrost	
				Qty	Diameter (mm)	Volume (m ³ /h)	Power (pa)	Power Supply	Water Inlet (inch)	Drain pipe (inch)
ILJ-23.9/140	23.9	140.0	9	2	600	2*10000	2*1500	380V 50Hz 3Ph	G2	G4
ILJ-29.0/170	29.0	170.0		3	600	3*10000	3*1500			
ILJ-35.9/210	35.9	210.0		3	600	3*10000	3*1500			
ILJ-41.0/240	41.0	240.0		3	650	3*14000	3*2200		G2 1/2	
ILJ-46.1/270	46.1	270.0		3	650	3*14000	3*2200			

Working Conditions		
T (Cold Room)	ΔT	Correction Factors
0°C	8k	0.8
-18°C	7k	0.72
-25°C	6k	0.61

Note : The tech.data is based on R22 T_r = -25°C, ΔT = 10°C. If any special application, please contact us.

AIR-COOLED

CONDENSER

IFNH, IFNHC, IFNV, IFNW Series



High Efficiency



Best Performance



Features

Air-Cooled condenser is a kind of radiating facility matched with cooling equipment.

The Features as follows :

- ▶ Condensers are of reasonable structure, good compatibility and can be matched with various compressors.
- ▶ The shell is made of quality steel with surface plastic-sprayed, which is corrosion-resistant and beautiful.
- ▶ The condensers are tested under air pressure 2.5MPa, guaranteeing the products' high gas tightness.
- ▶ Different refrigerants like R22, R134a and R407c are workable.
- ▶ According to customer's requirement, different condenser fans are available.



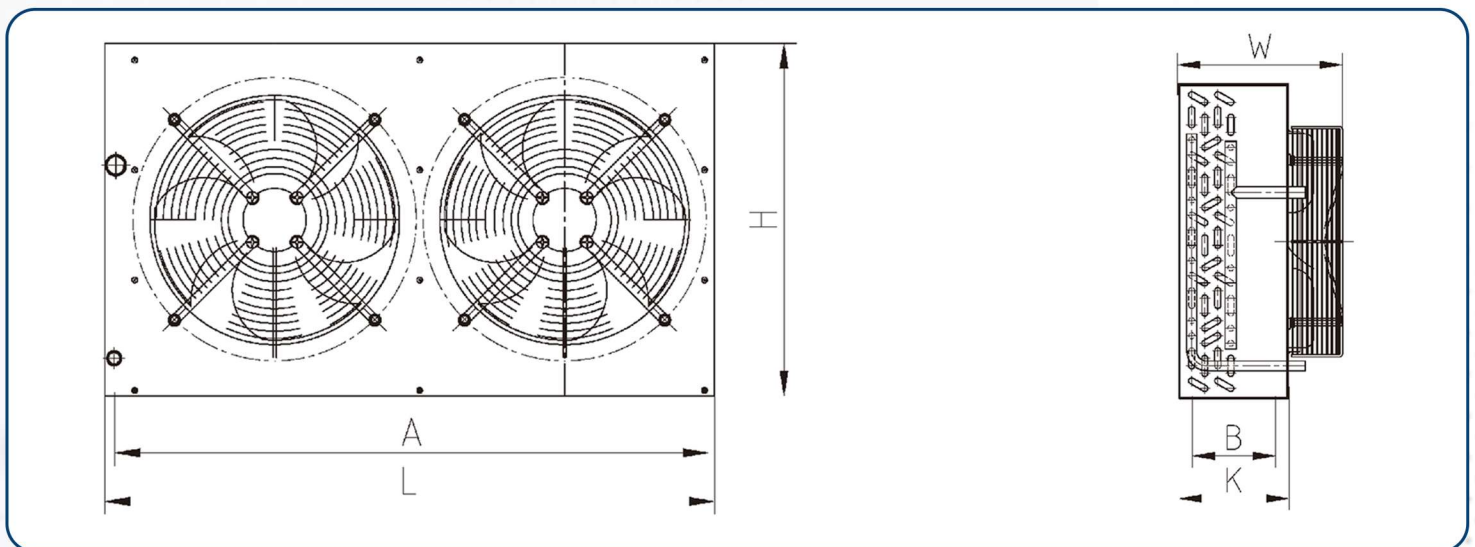
Tech.data for IFNH type Air-Cooled Condenser

Model	Heat Exchange Capacity (kW)	Surface (m ²)	Copper Pipe Arrangement	Fan					Into trachea (mm)	Fluid Outlet (mm)
				Qty	Fan Dia ϕ (mm)	Air Volume (m ³ /h)	Power (W)	Voltage (V)		
IFNH-0.6/2	0.6	2	2*4	1	200	425	1*30	220	10	10
IFNH-0.9/3	0.9	3	3*4	1	200	425	1*30	220	10	10
IFNH-1.2/4	1.2	4	3*5	1	200	425	1*30	220	10	10
IFNH-1.7/6	1.7	6	3*6	1	300	1750	1*90	220/380	10	10
IFNH-2.5/8.5	2.5	8.5	3*8	1	350	2670	1*135	220/380	16	16
IFNH-4.6/15	4.6	15	4*9	1	350	2670	1*135	220/380	19	16
IFNH-5.4/18	5.4	18	4*10	1	400	3500	1*190	380	19	16
IFNH-6.4/22	6.4	22	5*10	1	400	3500	1*190	380	19	16
IFNH-6.4/22B	6.4	22	4*8	2	350	5340	2*135	380	19	16
IFNH-7.3/28	7.3	28	4*9	2	350	5340	2*135	380	19	16
IFNH-9.7/33	9.7	33	4*10	2	400	7000	2*190	380	19	16
IFNH-12.0/41	12	41	5*10	2	400	7000	2*190	380	19	16
IFNH-13.8/50	13.8	50	5*12	2	400	7000	2*190	380	22	16
IFNH-16.2/60	16.2	60	6*12	2	400	7000	2*190	380	22	16
IFNH-20.7/70	20.7	70	4*18	4	350	10680	4*135	380	25	19
IFNH-23.0/80	23	80	4*20	2	400	14000	200	380	25	19
IFNH-27.6/100	27.6	100	5*20	4	400	14000	4*190	380	28	22
IFNH-33.3/120	33.3	120	5*24	4	400	14000	4*190	380	32	22
IFNH-39.8/140	39.8	140	5*24	4	450	18000	4*250	380	32	22
IFNH-45.6/160	45.6	160	5*26	4	450	18000	4*250	380	32	22
IFNH-49.9/180	49.9	180	5*26	4	450	18000	4*250	380	32	22

Note : The ref.capacity is based on R22, condensing temperature 50°C and inlet temperature 10°C.

The overall and installation dimensions for IFNH type Air-Cooled Condenser

Model	Overall Dimensions (mm)					
	L	K	H	A	B	W
IFNH-0.6/2	320	130	250	265	70	205
IFNH-0.9/3	320	130	250	265	70	205
IFNH-1.2/4	340	130	300	285	70	205
IFNH-1.7/6	460	130	385	370	90	240
IFNH-2.5/8.5	480	160	435	420	90	275
IFNH-4.6/15	560	160	485	490	130	295
IFNH-5.4/18	640	200	540	570	140	305
IFNH-6.4/22	640	210	540	570	140	305
IFNH-6.4/22B	940	210	440	870	140	275
IFNH-7.3/28	940	210	440	870	140	275
IFNH-9.7/33	1010	210	490	930	140	305
IFNH-12.0/41	1010	210	540	930	140	305
IFNH-13.8/50	1010	230	540	930	150	325
IFNH-16.2/60	1010	230	640	930	150	325
IFNH-20.7/70	1170	230	640	1080	150	365
IFNH-23.0/80	1170	230	940	1080	150	365
IFNH-27.6/100	1170	230	1040	1080	150	365
IFNH-33.3/120	1200	230	1040	1110	150	365
IFNH-39.8/140	1280	250	1240	1170	170	385
IFNH-45.6/160	1340	250	1340	1230	170	385
IFNH-49.9/180	1460	250	1340	1350	170	385



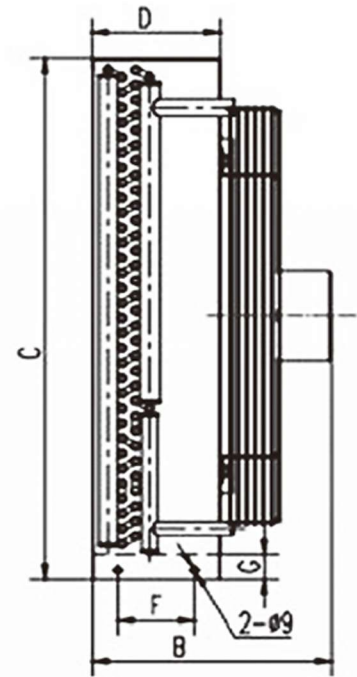
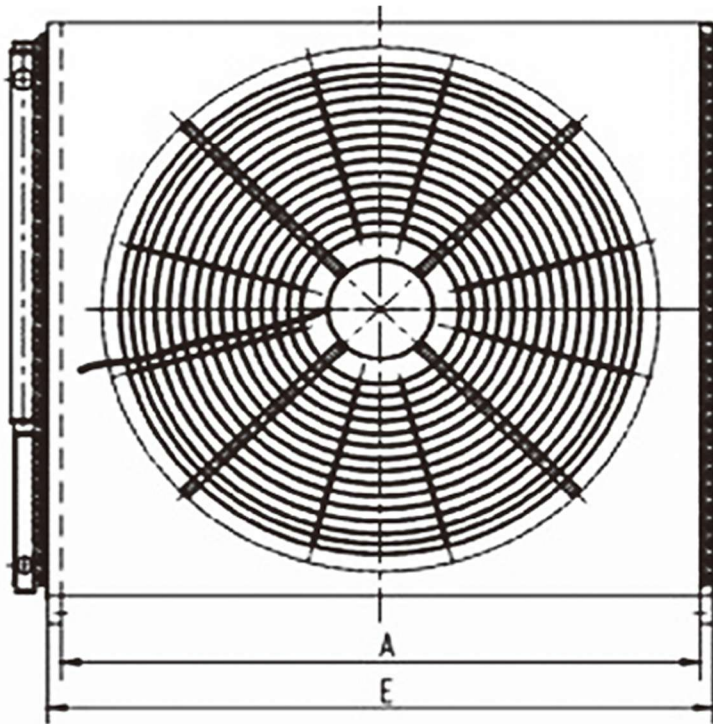
Notes: If any special application, please contact us for extra solutions.



Tech.data for copeland type Air-Cooled Condenser

Model	Heat Exchange Capacity (kW)	Surface (m ²)	Fan					Into trachea (mm)	Fluid Outlet (mm)
			Qty	Fan Dia ϕ (mm)	Air Volume (m ³ /h)	Power (W)	Voltage (V)		
IFNHC-25-3	6.6	25	1	400	3500	1*190	380V 3Ph 50Hz	19	16
IFNHC-35-4	9.1	35	1	450	4800	1*250		19	16
IFNHC-41-5	10.8	41	1	500	6500	1*420		19	16
IFNHC-55-8	14.5	55	1	550	7500	1*550		22	19
IFNHC-80-10	21.0	80	2	500	13000	2*420		25	19
IFNHC-110-15	28.8	110	2	550	15000	2*550		28	22

Note : The ref.capacity is based on R22, condensing temperature 50°C and inlet temperature 35°C.



The overall and installation dimensions

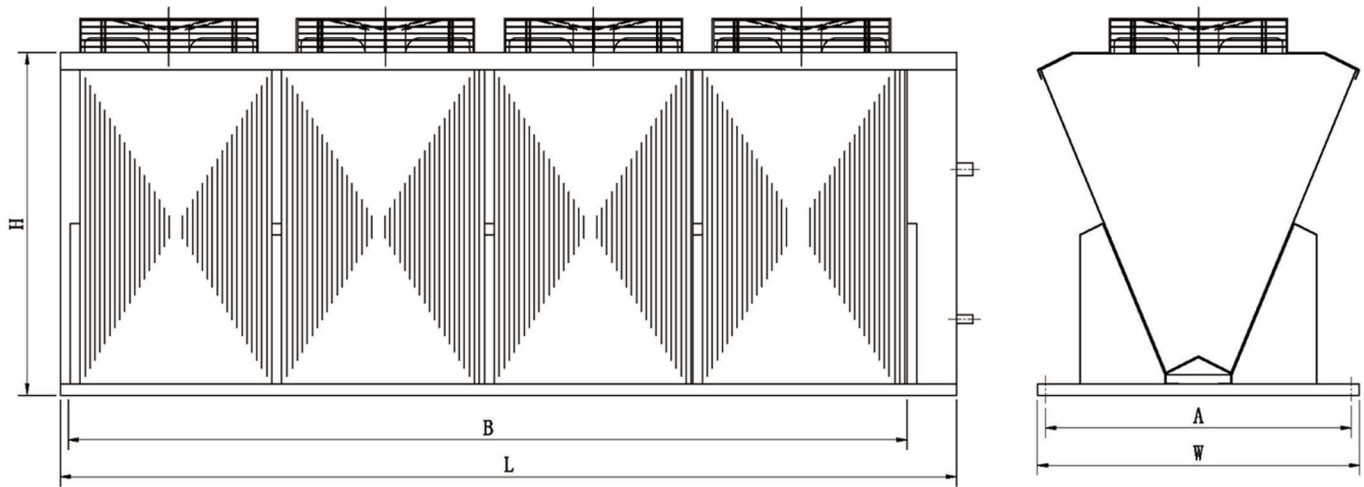
Model	Overall Dimensions (mm)						
	A	B	C	D	E	F	G
IFNHC-25-3	630	330	540	220	660	140	75
IFNHC-35-4	730	330	590	230	760	150	120
IFNHC-41-5	810	330	690	230	840	150	90
IFNHC-55-8	900	360	840	230	930	150	70
IFNHC-80-10	1175	385	940	250	1205	170	70
IFNHC-110-15	1360	405	890	270	1390	170	50



Tech.data for IFNV and IFNW type Air-Cooled Condenser

Model	Heat Exchange Capacity (kW)	Cooling Area (m ²)	Fan				
			Qty	Diameter (mm)	Volume (m ³ /h)	Power (W)	Voltage (V)
IFNV-27.5/90	27.5	90	2	450	2*4500	2*250	380
IFNV-31.0/100	31.0	100	2	500	2*6500	2*420	380
IFNV-34.4/120	34.4	120	2	500	2*6500	2*420	380
IFNV-44.2/155	44.2	155	2	550	2*7500	2*550	380
IFNV-55.8/180	55.8	180	2	600	2*9500	2*800	380
IFNV-61.6/200	61.6	200	2	600	2*9500	2*800	380
IFNV-67.4/220	67.4	220	3	550	3*7500	3*550	380
IFNV-73.9/240	73.9	240	3	550	3*7500	3*550	380
IFNV-81.5/265	81.5	265	3	550	3*7500	3*550	380
IFNV-92.4/300	92.4	300	3	600	3*9500	3*800	380
IFNV-108.7/350	108.7	350	3	630	3*10800	3*850	380
IFNV-123.7/400	123.7	400	4	600	4*9500	4*800	380
IFNW-184.8/600	184.8	600	6	600	6*9500	6*800	380
IFNW-247.4/800	247.4	800	8	600	8*9500	8*800	380

Note : The ref.capacity is based on R22, condensing temperature 50°C and inlet temperature 10°C.



The overall and installation dimensions for IFNV. IFNW type Air-Cooled Condenser

Model	Dimensions					Into trachea (mm)	Fluid Outlet (mm)
	L	H	W	A	B		
IFNV-27.5/90	1350	666	720	670	1170	25	19
IFNV-31.0/100	1310	756	800	750	1130	28	19
IFNV-34.4/120	1530	756	800	750	1350	28	19
IFNV-44.2/155	1490	945	975	925	1310	32	22
IFNV-55.8/180	1750	945	975	925	1570	32	22
IFNV-61.6/200	1910	945	975	925	1730	32	22
IFNV-67.4/220	2070	945	975	925	1890	32	22
IFNV-73.9/240	2250	945	975	925	2070	32	22
IFNV-81.5/265	2480	945	975	925	2280	35	25
IFNV-92.4/300	2780	945	975	925	2580	35	25
IFNV-108.7/350	2480	945	975	925	2280	42	32
IFNV-123.7/400	2910	945	975	925	2710	42	32
IFNW-184.8/600	2940	1210	1990	1875	2610	54	35
IFNW-247.4/800	3160	210	2160	2040	2990	54	35

Note : If any special application, please contact us for extra solutions.

INDOTARA®

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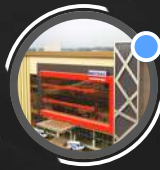
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