

ID Series High Efficient Air Cooler

ID 系列高性能冷风机

The ID series air cooler evaporators are designed for a variety of application. Its wide range of applicable temperature and cooling capacity enable it to meet any requirements.

ID 系列高性能冷风机能满足绝大多数冷库、低温加工车间的设计要求；其制冷量最高可达 116 KW，对应低温、中低温和中高温三种不同工况。



Nomenclature 型号命名

ID H - 4.3 / 20

① ② ③ ④

- ① Code 系列代码
- ② H: high temp. 高温; M: medium temp. 中温; L: low temp. 低温
- ③ Cooling capacity, kW; 名义制冷量
- ④ Heat exchange, m²; 换热面积

Feature 优势与特色

- * High efficiency copper tube coils and hydrophilic-coated aluminum fins for corrosion resistance.
- * Optimized drain tray.
- * Medium & Low temp. units available with flexible defrosting heater.
- * Air nozzle optional to reinforce air flow.

- * 高效铜换热器，亲水铝片具有更佳耐腐蚀性。
- * 经过优化的冷凝水集水盘，有效防止结冰堵塞。
- * 低温、中温机型可选配电除霜加热线。

Technical Data 技术参数

High temp. +5 °C to -5 °C, fin space 4.5mm 中高温 +5 °C to -5 °C, 翅片间距 4.5mm

Model 型号	Cooling Capacity 制冷量	Area 换热面积	Refrigerant Volume 管内容积	Inlet - Outlet 进口 - 出口	Fan 风机				Defrost 电除霜	
					Air Flow 风量	Diam. 风机直径	Total Power 总功率	Range 送风距离	Fin 翅片	Drain Tray 集水盘
					m ³ /h	mm	W	m	W	W
IDH-2/10	2.0	10	1.4	12 - 14	1566	1 x 300	75	8	500	500
IDH-3/15	3.0	15	1.8	12 - 14	3126	2 x 300	150	8	900	900
IDH-4.3/20	4.3	20	2.7	12 - 16	3126	2 x 300	150	8	900	900
IDH-5.3/25	5.3	25	3.5	12 - 16	4689	3 x 300	225	8	1200	1200
IDH-8.4/40	8.4	40	5.8	16 - 25	6800	2 x 400	360	10	1300	1300
IDH-12/55	11.6	55	7.6	16 - 25	6800	2 x 400	360	10	1500	1500
IDH-17/80	16.8	80	10.1	19 - 32	12000	2 x 500	1100	15	2400	1200
IDH-23/105	23.2	105	13.5	19 - 32	12000	2 x 500	1100	15	3600	1200
IDH-28/125	27.6	125	17.3	19 - 38	18000	3 x 500	1650	15	4800	1600
IDH-35/160	34.6	160	19.6	19 - 38	18000	3 x 500	1650	15	5100	1700
IDH-40/185	40.3	185	22.7	25 - 42	24000	4 x 500	2200	15	6000	2000
IDH-46/210	46.1	210	25.8	25 - 42	24000	4 x 500	2200	15	6600	2200
IDH-52/260	52.0	260	32.2	25 - 50	24000	4 x 500	2200	15	6600	2200
IDH-66/330	66.0	330	41.9	25 - 50	32000	4 x 550	2200	15	11000	2200
IDH-82/410	82.0	410	51.6	25 - 50	36000	4 x 600	3000	17	11000	2200
IDH-94/470	94.0	470	62.2	25 - 54	36000	3 x 700	4500	17	16000	2000
IDH-116/580	116.0	580	72.8	28 - 54	36000	3 x 700	4500	17	17600	2000

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Medium temp. -10 °C to -20 °C, fin space 6.0mm 中温 -10 °C to -20 °C, 翅片间距 6.0mm

Model 型号	Cooling Capacity 制冷量	Area 换热面积	Refrigerant Volume 管内容积	Inlet - Outlet 进口 - 出口	Fan 风机				Defrost 电除霜	
					Air Flow 风量	Diam. 风机直径	Total Power 总功率	Range 送风距离	Fin 翅片	Drain Tray 集水盘
					m ³ /h	mm	W	m	W	W
IDM-1.2/7	1.2	7	1.4	12 - 14	1563	1 x 300	75	8	1000	500
IDM-2.1/12	2.1	12	1.8	12 - 14	3126	2 x 300	150	8	900	900
IDM-2.6/15	2.6	15	2.7	12 - 16	3126	2 x 300	150	8	1800	900
IDM-3.9/22	3.9	22	3.5	12 - 16	4689	3 x 300	225	8	2400	1200
IDM-5.3/30	5.3	30	5.8	16 - 25	6800	2 x 400	360	10	2000	1000
IDM-7.0/40	7.0	40	7.6	16 - 25	6800	2 x 400	360	10	2400	1200
IDM-11/60	10.5	60	10.1	19 - 32	12000	2 x 500	1100	15	4200	1400
IDM-14/80	14.0	80	13.5	19 - 32	12000	2 x 500	1100	15	7000	1400
IDM-18/100	17.5	100	17.3	19 - 38	18000	3 x 500	1650	15	8000	1600
IDM-21/120	21.0	120	19.6	19 - 38	18000	3 x 500	1650	15	8500	1700
IDM-25/140	24.5	140	22.7	25 - 42	24000	4 x 500	2200	15	10000	2000
IDM-28/160	28.0	160	25.8	25 - 42	24000	4 x 500	2200	15	11000	2200
IDM-35/200	35.0	200	32.2	25 - 50	24000	4 x 500	2200	15	11000	2200
IDM-44/250	43.8	250	41.9	25 - 50	32000	4 x 550	2200	15	17600	2200
IDM-54/310	54.3	310	51.6	25 - 50	36000	4 x 600	3000	17	17600	2200
IDM-63/360	63.0	360	62.2	25 - 54	36000	3 x 700	4500	17	20000	2000
IDM-77/440	77.0	440	72.8	28 - 54	36000	3 x 700	4500	17	22000	2200

Technical Data 技术参数

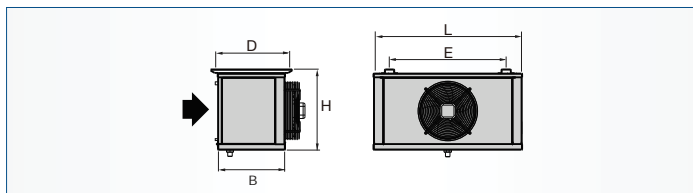
Low temp. below -20 °C, fin space 9.0mm 低温 <-20 °C, 翅片间距 9.0mm

Model 型号	Cooling Capacity 制冷量	Area 换热面积	Refrigerant Volume 管内容积	Inlet - Outlet 进口 - 出口	Fan 风机				Defrost 电除霜	
					Air Flow 风量	Diam. 风机直径	Total Power 总功率	Range 送风距离	Fin 翅片	Drain Tray 集水盘
					m ³ /h	mm	W	m	W	W
IDL-1.2/8	1.2	8	1.8	12 - 14	3126	2 x 300	150	8	900	900
IDL-1.9/12	1.9	12	2.7	12 - 16	3126	2 x 300	150	8	1800	900
IDL-2.3/15	2.3	15	3.5	12 - 16	4689	3 x 300	225	8	2400	1200
IDL-3.1/20	3.1	20	5.8	16 - 25	6800	2 x 400	360	10	2600	1300
IDL-4.7/30	4.7	30	7.6	16 - 25	6800	2 x 400	360	10	3000	1500
IDL-6.2/40	6.2	40	10.1	19 - 32	12000	2 x 500	1100	15	3600	1200
IDL-8.5/55	8.5	55	13.5	19 - 32	12000	2 x 500	1100	15	6000	1200
IDL-11/70	10.9	70	17.3	19 - 38	18000	3 x 500	1650	15	8000	1600
IDL-13/85	13.2	85	19.6	19 - 38	18000	3 x 500	1650	15	8500	1700
IDL-16/100	15.5	100	22.7	25 - 42	24000	4 x 500	2200	15	10000	2000
IDL-18/115	17.8	115	25.8	25 - 42	24000	4 x 500	2200	15	11000	2200
IDL-22/140	21.7	140	32.2	25 - 50	24000	4 x 500	2200	15	11000	2200
IDL-26/170	26.4	170	41.9	25 - 50	32000	4 x 550	2200	15	17600	2200
IDL-33/210	32.6	210	51.6	25 - 50	36000	4 x 600	3000	17	17600	2200
IDL-39/250	38.8	250	62.2	25 - 54	36000	3 x 700	4500	17	20000	2000
IDL-47/300	46.5	300	72.8	28 - 54	36000	3 x 700	4500	17	22000	2200

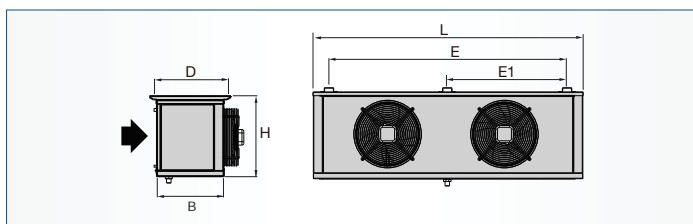
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Dimensions 外形尺寸



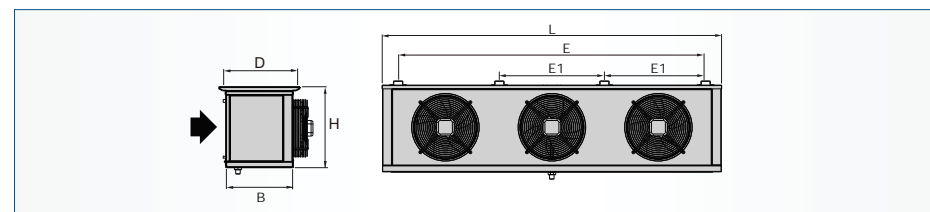
Model 型号	Fan Diameter 风机直径	L	B	H	D	E	E1	E2
IDH-2/10	300	730	420	475	340	510	-	-
IDM-1.2/7	300	730	420	475	340	1060	-	-



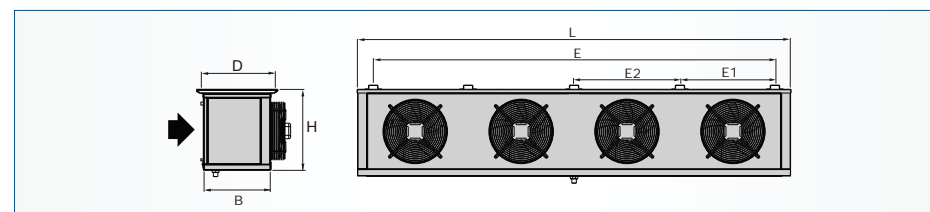
Model 型号	Fan Diameter 风机直径	L	B	H	D	E	E1	E2
IDH-3/15	300	1280	420	475	340	1060	-	-
IDM-2.1/12	300	1280	420	475	340	1060	-	-
IDL-1.2/8	300	1280	420	475	340	1060	-	-
IDH-4.3/20	300	1280	420	475	340	1060	-	-
IDM-2.6/15	300	1280	420	475	340	1060	-	-
IDL-1.9/12	300	1280	420	475	340	1060	-	-
IDH-8.4/40	400	1380	490	600	380	1110	-	-
IDM-5.3/30	400	1380	490	600	380	1110	-	-
IDL-3.1/20	400	1380	490	600	380	1110	-	-
IDH-12/55	400	1750	490	600	380	1480	-	-
IDM-7.0/40	400	1750	490	600	380	1480	-	-
IDL-4.7/30	400	1750	490	600	380	1480	-	-
IDH-17/80	500	1920	580	680	510	1650	840	-
IDM-11/60	500	1920	580	680	510	1650	840	-
IDL-6.2/40	500	1920	580	680	510	1650	840	-
IDH-23/105	500	1920	580	680	510	1650	840	-
IDM-14/80	500	1920	580	680	510	1650	840	-
IDL-8.5/55	500	1920	580	680	510	1650	840	-

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Model 型号	Fan Diameter 风机直径	L	B	H	D	E	E1	E2
IDH-5.3/25	300	1580	420	475	340	1360	-	-
IDM-3.9/22	300	1580	420	475	340	1360	-	-
IDL-2.3/15	300	1580	420	475	340	1360	-	-
IDH-28/125	500	2420	580	680	510	2150	740	700
IDM-18/100	500	2420	580	680	510	2150	740	700
IDL-11/70	500	2420	580	680	510	2150	740	700
IDH-35/160	500	2720	580	680	510	2450	840	800
IDM-21/120	500	2720	580	680	510	2450	840	800
IDL-13/85	500	2720	580	680	510	2450	840	800
IDH-94/470	700	3020	1040	960	720	2750	940	900
IDM-63/360	700	3020	1040	960	720	2750	940	900
IDL-39/250	700	3020	1040	960	720	2750	940	900
IDH-116/580	700	3320	1050	1010	720	3050	1040	1000
IDM-77/440	700	3320	1050	1010	720	3050	1040	1000
IDL-47/300	700	3320	1050	1010	720	3050	1040	1000



Model 型号	Fan Diameter 风机直径	L	B	H	D	E	E1	E2
IDH-40/185	500	3120	580	680	510	2850	740	700
IDM-25/140	500	3120	580	680	510	2850	740	700
IDL-16/100	500	3120	580	680	510	2850	740	700
IDH-46/210	500	3520	580	680	510	3250	840	800
IDM-28/160	500	3520	580	680	510	3250	840	800
IDL-18/115	500	3520	580	680	510	3250	840	800
IDH-52/260	500	3520	680	680	580	3250	840	800
IDM-35/200	500	3520	680	680	580	3250	840	800
IDL-22/140	500	3520	680	680	580	3250	840	800
IDH-66/330	550	3520	680	740	580	3250	840	800
IDM-44/250	550	3520	680	740	580	3250	840	800
IDL-26/170	550	3520	680	740	580	3250	840	800
IDH-82/410	600	3520	940	910	630	3250	840	800
IDM-54/310	600	3520	940	910	630	3250	840	800
IDL-33/210	600	3520	940	910	630	3250	840	800