



UNIT COOLER

เครื่องทำความเย็น

สามารถตั้งค่าอุณหภูมิใช้งานตั้งแต่ 25°C ถึง -40°C



Features



Brazing Over 6 M.



New Fin Press Machine.



Hairpin 3.2 M.



Leak Test Coil 7.2 M.

UNIT COOLER

สำหรับห้องเย็นทั่วไปและห้องเย็นอุณหภูมิต่ำ ที่ใช้ในห้องจัดเก็บสินค้า ในอุตสาหกรรม ห้องจัดเก็บสินค้าอุปโภคบริโภค และอุตสาหกรรมที่ต้องการการรักษาสินค้า เช่นอุตสาหกรรมแปรรูปอาหาร ที่ใช้ความเย็นในการรักษาความสดใหม่ให้กับสินค้า สามารถทำอุณหภูมิห้องตั้งแต่ 25°C ถึง -40°C (รุ่นมาตรฐาน) สำหรับลูกค้าที่ต้องการให้ออกแบบให้เหมาะ: สมกับสินค้าที่จัดเก็บหรืออุณหภูมิต้องที่ต้องการ ทางเราบริการออกแบบให้เหมาะ: สม ด้วยโปรแกรมคำนวณที่ได้มาตรฐานสากลโดยทีมวิศวกรผู้เชี่ยวชาญทางด้านระบบทำความเย็น เพื่อให้ห้องที่จัดเก็บสินค้านี้สามารถรักษาสินค้าได้อย่างเหมาะ: สมและไม่เกิดความเสียหาย

การออกแบบ

ได้คำนึงถึงความเหมาะสมกับการใช้งานทั้งด้านความชื้นที่สม่ำเสมอเพื่อรักษาความสดใหม่ของสินค้า อีกทั้งยังออกแบบให้สามารถบำรุงรักษาได้ง่าย การล้างทำความสะอาดก็สะดวกและง่าย

การเลือกใช้วัสดุในกรณีสินค้า เราเลือกใช้วัสดุที่มีคุณภาพและมีความคงทน ภายนอกใช้การเคลือบสีคุณภาพสูง ผ่านกรรมวิธีการผลิตที่มีมาตรฐาน ป้องกันการกัดกร่อนและรอยขีดข่วนได้ดีเยี่ยม สามารถเลือกใช้วัสดุเคลือบสแตนเลสหรืออลูมิเนียมอัลลอยด์ เคลือบสี (option)

ระบบการละลายน้ำแข็งออกแบบให้สามารถละลายน้ำแข็งได้รวดเร็ว สม่ำเสมอทั่วทั้งคอยล์ โดยใช้วัสดุที่ทนทานและไม่ทำให้อุณหภูมิห้องสูงขึ้น เพื่อรักษาความชื้นภายในห้อง

Our UNIT COOLER lines of products and low temperature cold rooms are often used in the cold storage industry. It is also used for storage rooms, supermarkets, food processing and any other industries that require low temperature which keeps the product fresh. Our Unit Coolers can maintain temperatures from 25°C to -40°C (standard version) for other special requirements we have a professional team of engineers ready to design the unit to fit to your project's requirement.

We select only the best and durable material and uses high quality powder coating in order to ensure that the product qualifies for international standards and are corrosion and scratch resistant. You can choose the material stainless steel or aluminum alloy casing (option)

defrost system is designed to be fast and consistent across the coil surface by using quality materials that does not cause the temperature to rise within the cold room.



Available Material

Material	Casing	Tray	Fin	Tube
AlMg - Aluminum Alloy	✓	✓		
Aluminum			✓	
Copper				✓
Aluminum, Coated			✓	
Stainless Steel	✓	✓		
Steel, Hot-Drip Galvanized	✓	✓		
Sheet Steel, Galvanized	✓	✓		
	✓ Standard Version		✓ Special Version	

Specifications

Inline tube system



- Reserves in air flow by icing up
- Longer operation to the next defrost

Tube Diameter	Pattern
ø 3/8" (9.53 mm.)	25.4 x 25.4 mm.
ø 1/2" (12.70 mm.)	35 x 35 mm.
ø 5/8" (15.88 mm.)	50 x 50 mm.



Defrosting

- Empty conduit for defrost sensor
- Heating with plug-in terminals wired on a terminal box
- Electric defrost heating mounted at factory
- Electric defrost heating available as a kit for subsequent installation



Top quality fans

- Standard EC and AC fans available
- ErP-compliant
- Motor protection with thermocontacts
- 50 or 60 Hz
- Adjustable speed



Highly efficient heat exchanger

- Inline tube pattern
- Inner-grooved special copper tubes
- Surface-corrugated aluminium fins
- Optimised for HFCs



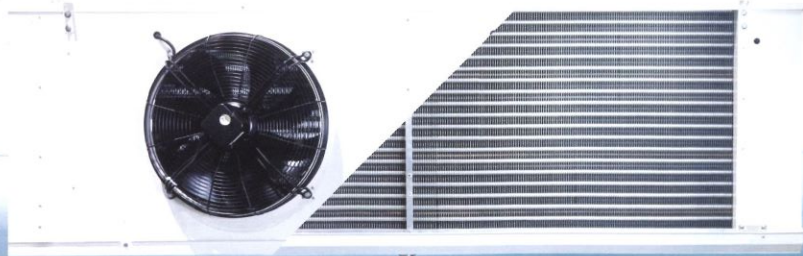
Guaranteed free of leaks

- Filled with dry air
- Delivered with excess pressure
- Schrader valve at outlet
- Leakage test prior to assembly by activating the valve at 600 PSIG



Easy mounting

- Ceiling mount with slotted hole
- Side cover with hinges
- Hinges allow hangout
- Schrader Valve at outlet



TECHNICAL DATA

FIN SPACING - 4.5 mm.OD1/2, R-404A

SD Single Discharge

Model Code	Capacity (kW)		Air Flow		Surface Exchange Area (m ²)	Tube Volume (L)	Air Throw (m)	ZIEHL-ABEGG FE20wlet Fan (Operating values at 50 Hz)		Each Fan		
	$\frac{T_e - T_c}{T_i - T_c}$ (R1100%)	$\frac{T_e - T_c}{T_i - T_c}$ (R150%)	(m ³ /h)	CFM				PCxØmm.	Type of Current	rpm	W	A
45DB1A-45	2.88	4.03	1716.20	1009.13	11.31	2.70	6	1x300	230V-1	1330	95	0.42
45DB1B-45	3.57	4.97	1650.20	970.32	15.08	3.60	5	1x300	230V-1	1330	95	0.42
45DC1B-45	4.48	6.24	2509.40	1475.53	15.08	3.60	7	1x350	230V-1	1410	230	1.05
45DC1C-45	5.51	7.59	2175.00	1278.90	22.63	5.50	6	1x350	230V-1	1410	230	1.05
45DD1B-45	6.19	8.64	3215.60	1890.77	21.99	5.30	8	1x400	230V-1	1340	240	1.05
45DD1C-45	7.81	10.78	2915.60	1714.37	32.99	8.00	13	1x400	230V-1	1340	240	1.05
45DE1B-45	9.63	13.45	5693.60	3347.84	30.18	7.30	12	1x450	400V-3	1350	540	1.10
45DE1C-45	12.23	16.94	5123.00	3012.32	45.25	10.90	12	1x450	400V-3	1359	540	1.10
45DF1B-45	12.46	17.52	7716.80	4537.48	41.89	10.10	17	1x500	400V-3	1340	840	1.45
45DF1C-45	16.47	22.93	7141.10	4198.97	62.85	15.20	16	1x500	400V-3	1340	840	1.45

45DB2A-45	5.93	8.29	3432.40	2018.25	22.63	5.50	8	2x300	230V-1	1330	95	0.42
45DB2B-45	7.21	10.02	3300.40	1940.64	30.17	7.30	7	2x300	230V-1	1330	95	0.42
45DC2B-45	9.08	12.65	5018.80	2951.05	30.17	7.30	9	2x350	230V-1	1410	230	1.05
45DC2C-45	11.14	15.33	4350.00	2557.80	45.25	10.90	8	2x350	230V-1	1410	230	1.05
45DD2B-45	12.63	17.59	6437.50	3875.25	43.99	10.60	10	2x400	230V-1	1340	240	1.05
45DD2C-45	15.63	21.57	5831.30	3428.80	65.99	16.00	9	2x400	230V-1	1340	240	1.05
45DE2B-45	19.46	26.41	11387.10	6695.61	60.33	14.60	16	2x450	400V-3	1350	540	1.10
45DE2C-45	24.66	34.12	10246.10	6024.71	90.50	21.90	15	2x450	400V-3	1359	540	1.10
45DF2B-45	25.90	36.24	15451.20	9085.31	83.80	20.30	22	2x500	400V-3	1340	840	1.45
45DF2C-45	33.09	46.04	14282.20	8397.93	125.69	30.40	21	2x500	400V-3	1340	840	1.45

45DB3A-45	8.71	12.18	5148.60	3027.38	33.94	8.20	10	3x300	230V-1	1330	95	0.42
45DB3B-45	10.85	15.08	4950.60	2910.95	45.25	10.90	9	3x300	230V-1	1330	95	0.42
45DC3B-45	13.68	19.05	7528.00	4426.46	45.25	10.90	11	3x350	230V-1	1410	230	1.05
45DC3C-45	16.76	23.06	6525.00	3836.70	67.88	16.40	10	3x350	230V-1	1410	230	1.05
45DD3B-45	18.24	25.46	9646.90	5672.38	65.99	16.00	12	3x400	230V-1	1340	240	1.05
45DD3C-45	23.68	32.65	8746.90	5143.18	98.98	23.90	11	3x400	230V-1	1340	240	1.05
45DE3B-45	28.64	40.11	17067.20	10035.51	90.50	21.90	19	3x450	400V-3	1350	540	1.10
45DE3C-45	37.04	51.21	15382.60	9044.97	135.75	32.80	18	3x450	400V-3	1359	540	1.10
45DF3B-45	38.60	54.13	23163.60	13620.20	125.69	30.40	26	3x500	400V-3	1340	840	1.45
45DF3C-45	49.70	69.15	21423.30	12596.90	188.55	45.60	24	3x500	400V-3	1340	840	1.45

45DB4A-45	11.94	16.66	6864.80	4036.50	45.25	10.90	12	4x300	230V-1	1330	95	0.42
45DB4B-45	14.49	20.14	6600.80	3881.27	60.33	14.60	11	4x300	230V-1	1330	95	0.42
45DC4B-45	18.29	25.46	10037.00	5901.76	60.33	14.60	13	4x350	230V-1	1410	230	1.05
45DC4C-45	22.39	30.80	8700.00	5115.60	90.50	21.90	12	4x350	230V-1	1410	230	1.05
45DD4B-45	25.34	35.28	12875.00	7570.50	87.98	21.30	14	4x400	230V-1	1340	240	1.05
45DD4C-45	31.48	43.42	11662.50	6857.55	131.98	31.90	13	4x400	230V-1	1340	240	1.05

*Nominal capacity refrigerant R404a and fan operating on 50 Hz supply

RT [°C] = Air inlet temperature

Te [°C] = Evaporating temperature (coil outlet)

TD [°C] = Temperature difference = RT-Te [°C]

Nomenclature

1 2 3 4 5 6
4 SD B 1 A - 45

- 1) Tube diameter : 4= Ø 1/2" (12.70 mm.), 5= Ø 5/8" (15.80 mm.)
Rows Spacing 35mm. x Tube Spacing 35mm.
- 2) Model range designation : SD= Single Discharge
- 3) Fan diameter : B= 300 mm/ C= 350 mm/ D= 400 mm.
E= 450 mm/ F= 500 mm/ G= 630 mm.
H= 800 mm/ I= 910 mm.
- 4) FAN Number : 1= 1 Fan Blade, 2= 2 Fan Blade, 3= 3 Fan Blade
4= 4 Fan Blade
- 5) Number of rows (Fin) : A= 3 Row, B= 4 Row, C= 6 Row
- 6) Fin spacing : 45= 4.5 mm./ 7= 7 mm./ 10= 10 mm./ 12= 12 mm.

TECHNICAL DATA

FIN SPACING - 7 mm.OD1/2, R-404A

SD Single Discharge

Model Code	Capacity (kW)		Air Flow		Surface Exchange Area (m ²)	Tube Volume (L)	Air Throw (m)	ZIEHL-ABEGG: FE2zowlit Fan (Operating values at 50 Hz)				
	T _{in} =25°C T _D =7°C RH=100%	T _{in} =8°C T _D =8°C RH=100%	(m ³ /h)	CFM				PCx0mm.	Type of Current	Each Fan		
					rpm	W	A					
4SDB1A-7	1.63	2.47	1769.50	1040.47	7.59	2.70	7	1x300	230V-1	1330	95	0.42
4SDB1B-7	1.98	3.14	1711.10	1006.13	10.13	3.60	6	1x300	230V-1	1330	95	0.42
4SDC1B-7	2.70	3.99	2681.30	1576.60	10.13	3.60	8	1x350	230V-1	1410	230	1.05
4SDC1C-7	3.54	5.15	2396.90	1409.38	15.19	5.50	7	1x350	230V-1	1410	230	1.05
4SDD1B-7	3.61	5.26	3362.50	1977.15	14.77	5.30	9	1x400	230V-1	1340	240	1.05
4SDD1C-7	4.61	6.85	3112.50	1830.15	22.12	8.00	8	1x400	230V-1	1340	240	1.05
4SE1B-7	5.73	8.47	5963.10	3506.30	20.26	7.30	13	1x450	400V-3	1350	540	1.10
4SDE1C-7	7.62	11.21	5500.40	3234.24	30.39	10.90	12	1x450	400V-3	1359	540	1.10
4SDF1B-7	7.87	11.21	8050.80	4733.87	28.14	10.10	18	1x500	400V-3	1340	840	1.45
4SDF1C-7	10.57	15.28	7532.20	4428.93	42.21	15.20	17	1x500	400V-3	1340	840	1.45

4SDB2A-7	3.38	5.10	3539.10	2080.99	15.19	5.50	8	2x300	230V-1	1330	95	0.42
4SDB2B-7	4.17	6.34	3422.00	2012.14	20.26	7.30	7	2x300	230V-1	1330	95	0.42
4SDC2B-7	5.49	8.07	5362.50	3153.15	20.26	7.30	10	2x350	230V-1	1410	230	1.05
4SDC2C-7	7.14	10.40	4793.80	2818.75	30.39	10.90	10	2x350	230V-1	1410	230	1.05
4SDD2B-7	7.44	10.74	6725.00	3954.30	29.54	10.60	9	2x400	230V-1	1340	240	1.05
4SDD2C-7	9.33	14.19	6231.30	3664.00	44.32	16.00	13	2x400	230V-1	1340	240	1.05
4SE2B-7	11.61	17.08	11926.20	7012.61	40.52	14.60	12	2x450	400V-3	1350	540	1.10
4SDE2C-7	15.39	22.57	11000.80	6468.47	60.78	21.90	16	2x450	400V-3	1359	540	1.10
4SDF2B-7	15.58	23.41	16110.40	9472.92	56.27	20.30	23	2x500	400V-3	1340	840	1.45
4SDF2C-7	21.26	30.67	15064.50	8857.93	84.42	30.40	22	2x500	400V-3	1340	840	1.45

4SDB3A-7	4.91	7.44	5308.60	3121.46	22.79	8.20	11	3x300	230V-1	1330	95	0.42
4SDB3B-7	6.27	9.53	5133.40	3018.44	30.39	10.90	10	3x300	230V-1	1330	95	0.42
4SDC3B-7	8.29	12.15	8043.80	4729.75	30.39	10.90	12	3x350	230V-1	1410	230	1.05
4SDC3C-7	10.75	15.65	7190.60	4228.07	45.58	16.40	11	3x350	230V-1	1410	230	1.05
4SDD3B-7	10.71	16.36	10096.90	5936.98	44.32	16.00	16	3x400	230V-1	1340	240	1.05
4SDD3C-7	14.51	21.23	9337.50	5490.45	66.48	23.90	14	3x400	230V-1	1340	240	1.05
4SE3B-7	17.70	24.96	17875.80	10510.97	60.78	21.90	19	3x450	400V-3	1350	540	1.10
4SDE3C-7	22.82	33.99	16501.20	9702.71	91.17	32.80	18	3x450	400V-3	1359	540	1.10
4SDF3B-7	24.08	34.71	24152.30	14201.55	84.42	30.40	27	3x500	400V-3	1340	840	1.45
4SDF3C-7	30.59	46.65	22609.90	13294.62	126.62	45.60	25	3x500	400V-3	1340	840	1.45

4SDB4A-7	6.79	10.25	7078.10	4161.92	30.39	10.90	13	4x300	230V-1	1330	95	0.42
4SDB4B-7	8.38	12.72	6844.50	4024.57	40.52	14.60	12	4x300	230V-1	1330	95	0.42
4SDC4B-7	11.08	16.23	10725.00	6306.30	40.52	14.60	14	4x350	230V-1	1410	230	1.05
4SDC4C-7	13.72	20.72	9600.00	5644.80	60.78	21.90	13	4x350	230V-1	1410	230	1.05
4SDD4B-7	14.93	21.54	13450.00	7908.60	59.09	21.30	18	4x400	230V-1	1340	240	1.05
4SDD4C-7	18.81	28.54	12462.50	7327.95	88.64	31.90	17	4x400	230V-1	1340	240	1.05

*Nominal capacity refrigerant R404a and fan operating on 50 Hz supply

RT [°C] = Air inlet temperature

T_e [°C] = Evaporating temperature (coil outlet)

TD [°C] = Temperature difference = RT-T_e [°C]

Nomenclature

1 2 3 4 5 6
4 SD B 1 A - 45

- 1) Tube diameter : 4= Ø 1/2" (12.70 mm.), 5= Ø 5/8" (15.80 mm.)
Rows Spacing 35mm. x Tube Spacing 35mm.
- 2) Model range designation : SD= Single Discharge
- 3) Fan diameter : B= 300 mm./ C= 350 mm./ D= 400 mm.
E= 450 mm./ F= 500 mm./ G= 630 mm.
H= 800 mm./ I= 910mm.
- 4) FAN Number : 1= 1 Fan Blade, 2= 2 Fan Blade, 3= 3 Fan Blade
4= 4 Fan Blade
- 5) Number of Rows (Fin) : A= 3 Row, B= 4 Row, C= 6 Row
- 6) Fin spacing : 45= 4.5 mm./ 7= 7 mm./ 10= 10 mm./ 12= 12 mm.

TECHNICAL DATA

FIN SPACING - 7 mm.OD1/2, R-404A

SD Single Discharge

Model Code	Capacity (kW) T _c =27°C T _d =7°C RT=20°C (RH100%)	Air Flow		Surface Exchange Area (m ²)	Tube Volume (L)	Air Throw m	ZIEHL-ABEGG: FEZowlert Fan (Operating values at 50 Hz)				
		(m ³ /h)	CFM				PC x Ømm.	Type of Current	Each Fan		
							rpm	W	A		
4SDF3C-7	28.14	23638.20	13899.26	126.62	45.60	25	3x500	400V-3	1340	840	1.45

FIN SPACING - 10 mm.OD1/2, R-404A

SD Single Discharge

Model Code	Capacity (kW) T _c =27°C T _d =7°C RT=20°C (RH100%)	Air Flow		Surface Exchange Area (m ²)	Tube Volume (L)	Air Throw m	ZIEHL-ABEGG: FEZowlert Fan (Operating values at 50 Hz)				
		(m ³ /h)	CFM				PC x Ømm.	Type of Current	Each Fan		
							rpm	W	A		
4SDD2C-10	7.42	6775.00	3983.70	32.61	16.00	14	2x400	230V-1	1340	240	1.05

*Nominal capacity refrigerant R404a and fan operating on 50 Hz supply

RT [°C] = Air inlet temperature

T_c [°C] = Evaporating temperature (coil outlet)

T_d [°C] = Temperature difference = RT - T_c [°C]

Nomenclature

1 2 3 4 5 6
4 SD B 1 A - 45

1) **Tube diameter** : 4 = Ø 1/2" (12.70 mm.), 5 = Ø 5/8" (15.80 mm.)

Rows Spacing 35mm. x Tube Spacing 35mm.

2) **Model range designation** : SD= Single Discharge

3) **Fan diameter** : B= 300 mm./ C= 350 mm./ D= 400 mm.

E= 450 mm./ F= 500 mm./ G= 630 mm.

H= 800 mm./ I= 910 mm.

4) **FAN Number** : 1= 1 Fan Blade, 2= 2 Fan Blade, 3= 3 Fan Blade

4= 4 Fan Blade

5) **Number of rows (Fin)** : A= 3 Row, B= 4 Row, C= 6 Row

6) **Fin spacing** : 45= 4.5 mm./ 7= 7 mm./ 10= 10 mm./ 12= 12 mm.

Dimensional and Electrical Heater Defrost Data

Model Code	Number of Fan	Dimensions								Electrical Defrost 230V-1 / 400V-3-Y			Drain
		H	B	E	D	A ₁	A ₂	C	F	Coil	Tray	Total	
										kW	kW	kW	
4SDB1A-45	1	475	990	450	355	630	-	175	113	1.30	0.65	1.95	3/4"
4SDB1B-45	1	475	990	450	355	630	-	175	113	1.30	0.65	1.95	3/4"
4SDC1B-45	1	475	990	450	355	630	-	175	130	1.30	0.65	1.95	3/4"
4SDC1C-45	1	475	990	545	425	630	-	175	130	1.95	0.65	2.60	3/4"
4SDD1B-45	1	545	1150	450	425	780	-	178	135	2.25	0.75	3.00	3/4"
4SDD1C-45	1	545	1150	450	425	780	-	178	135	3.00	0.75	3.75	3/4"
4SDE1B-45	1	615	1300	450	425	930	-	178	125	2.25	0.75	3.00	3/4"
4SDE1C-45	1	615	1300	450	425	930	-	178	125	3.00	0.75	3.75	3/4"
4SDF1B-45	1	755	1410	615	505	1030	-	185	125	3.80	0.48	4.28	1-1/4"
4SDF1C-45	1	755	1410	615	505	1030	-	185	125	5.70	0.48	6.18	1-1/4"
4SDB2A-45	2	475	1590	450	355	1230	-	175	113	2.40	1.20	3.60	1"
4SDB2B-45	2	475	1590	450	355	1230	-	175	113	2.40	1.20	3.60	1"
4SDC2B-45	2	475	1590	450	355	1230	-	175	130	2.40	1.20	3.60	1"
4SDC2C-45	2	475	1590	545	425	1230	-	175	130	3.60	1.20	4.80	1"
4SDD2B-45	2	545	1900	450	425	1530	-	178	135	4.20	1.40	5.60	1-1/4"
4SDD2C-45	2	545	1900	450	425	1530	-	178	135	5.60	1.40	7.00	1-1/4"
4SDE2B-45	2	615	2200	450	425	1830	-	178	125	4.20	1.40	5.60	1-1/4"
4SDE2C-45	2	615	2200	450	425	1830	-	178	125	5.60	1.40	7.00	1-1/4"
4SDF2B-45	2	755	2410	615	505	2030	-	185	125	6.80	0.85	7.66	1-1/4"
4SDF2C-45	2	755	2410	615	505	2030	-	185	125	10.20	0.85	11.05	1-1/4"
4SDB3A-45	3	475	2190	450	355	1830	600	175	113	3.20	1.60	4.80	1"
4SDB3B-45	3	475	2190	450	355	1830	600	175	113	3.20	1.60	4.80	1"
4SDC3B-45	3	475	2190	545	355	1830	600	175	130	3.20	1.60	4.80	1-1/4"
4SDC3C-45	3	475	2190	545	425	1830	600	175	130	4.80	1.60	6.40	1-1/4"
4SDD3B-45	3	545	2650	450	425	2280	750	178	135	6.00	2.00	8.00	1-1/4"
4SDD3C-45	3	545	2650	450	425	2280	750	178	135	8.00	2.00	10.00	1-1/4"
4SDE3B-45	3	615	3100	450	425	2730	900	178	125	6.00	2.00	8.00	1-1/4"
4SDE3C-45	3	615	3100	450	425	2730	900	178	125	8.00	2.00	10.00	1-1/4"
4SDF3B-45	3	755	3410	615	505	3030	1000	185	125	9.20	1.15	10.35	1-1/4"
4SDF3C-45	3	755	3410	615	505	3030	1000	185	125	13.80	1.15	14.95	1-1/4"
4SDB4A-45	4	475	2790	450	355	2430	1200	175	113	4.20	2.10	6.30	1-1/4"
4SDB4B-45	4	475	2790	450	355	2430	1200	175	113	4.20	2.10	6.30	1-1/4"
4SDC4B-45	4	475	2790	450	355	2430	1200	175	130	4.20	2.10	6.30	1-1/4"
4SDC4C-45	4	475	2790	545	425	2430	1200	175	130	6.30	2.10	8.40	1-1/4"
4SDD4B-45	4	545	3400	450	425	3030	1500	178	135	6.90	1.15	8.05	1-1/4"
4SDD4C-45	4	545	3400	450	425	3030	1500	178	135	9.20	1.15	10.35	1-1/4"

Dimensional and Electrical Heater Defrost Data

Model Code	Number of Fan	Dimensions								Electrical Defrost 230V-1 / 400V-3-Y			Drain
		H	B	E	D	A ₁	A ₂	C	F	Coil kW	Tray kW	Total kW	
4SDB1A-7	1	475	990	450	355	630	-	175	113	1.30	0.65	1.95	3/4"
4SDB1B-7	1	475	990	450	355	630	-	175	113	1.30	0.65	1.95	3/4"
4SDC1B-7	1	475	990	450	355	630	-	175	130	1.30	0.65	1.95	3/4"
4SDC1C-7	1	475	990	545	425	630	-	175	130	1.95	0.65	2.60	3/4"
4SDD1B-7	1	545	1150	450	425	780	-	178	135	2.25	0.75	3.00	3/4"
4SDD1C-7	1	545	1150	450	425	780	-	178	135	3.00	0.75	3.75	3/4"
4SDE1B-7	1	615	1300	450	425	930	-	178	125	2.25	0.75	3.00	3/4"
4SDE1C-7	1	615	1300	450	425	930	-	178	125	3.00	0.75	3.75	3/4"
4SDF1B-7	1	755	1410	615	505	1030	-	185	125	3.80	0.48	4.28	1-1/4"
4SDF1C-7	1	755	1410	615	505	1030	-	185	125	5.70	0.48	6.18	1-1/4"
4SDB2A-7	2	475	1590	450	355	1230	-	175	113	2.40	1.20	3.60	1"
4SDB2B-7	2	475	1590	450	355	1230	-	175	113	2.40	1.20	3.60	1"
4SDC2B-7	2	475	1590	450	355	1230	-	175	130	2.40	1.20	3.60	1"
4SDC2C-7	2	475	1590	545	425	1230	-	175	130	3.60	1.20	4.80	1"
4SDD2B-7	2	545	1900	450	425	1530	-	178	135	4.20	1.40	5.60	1-1/4"
4SDD2C-7	2	545	1900	450	425	1530	-	178	135	5.60	1.40	7.00	1-1/4"
4SDE2B-7	2	615	2200	450	425	1830	-	178	125	4.20	1.40	5.60	1-1/4"
4SDE2C-7	2	615	2200	450	425	1830	-	178	125	5.60	1.40	7.00	1-1/4"
4SDF2B-7	2	755	2410	615	505	2030	-	185	125	6.80	0.85	7.66	1-1/4"
4SDF2C-7	2	755	2410	615	505	2030	-	185	125	10.20	0.85	11.05	1-1/4"
4SDB3A-7	3	475	2190	450	355	1830	600	175	113	3.20	1.60	4.80	1"
4SDB3B-7	3	475	2190	450	355	1830	600	175	113	3.20	1.60	4.80	1"
4SDC3B-7	3	475	2190	545	355	1830	600	175	130	3.20	1.60	4.80	1-1/4"
4SDC3C-7	3	475	2190	545	425	1830	600	175	130	4.80	1.60	6.40	1-1/4"
4SDD3B-7	3	545	2650	450	425	2280	750	178	135	6.00	2.00	8.00	1-1/4"
4SDD3C-7	3	545	2650	450	425	2280	750	178	135	8.00	2.00	10.00	1-1/4"
4SDE3B-7	3	615	3100	450	425	2730	900	178	125	6.00	2.00	8.00	1-1/4"
4SDE3C-7	3	615	3100	450	425	2730	900	178	125	8.00	2.00	10.00	1-1/4"
4SDF3B-7	3	755	3410	615	505	3030	1000	185	125	9.20	1.15	10.35	1-1/4"
4SDF3C-7	3	755	3410	615	505	3030	1000	185	125	13.80	1.15	14.95	1-1/4"
4SDB4A-7	4	475	2790	450	355	2430	1200	175	113	4.20	2.10	6.30	1-1/4"
4SDB4B-7	4	475	2790	450	355	2430	1200	175	113	4.20	2.10	6.30	1-1/4"
4SDC4B-7	4	475	2790	450	355	2430	1200	175	130	4.20	2.10	6.30	1-1/4"
4SDC4C-7	4	475	2790	545	425	2430	1200	175	130	6.30	2.10	8.40	1-1/4"
4SDD4B-7	4	545	3400	450	425	3030	1500	178	135	6.90	1.15	8.05	1-1/4"
4SDD4C-7	4	545	3400	450	425	3030	1500	178	135	9.20	1.15	10.35	1-1/4"

Dimensional and Electrical Heater Defrost Data

Model Code	Number of Fan	Dimensions								Electrical Defrost 230 V-1 / 400 V-3-Y			Drain
		H	B	E	D	A ₁	A ₂	C	F	Coil	Tray	Total	
										kW	kW	kW	
4SDF3C-7	3	475	2190	545	425	1830	600	175	130	4.80	1.60	6.40	1-1/4"

Model Code	Number of Fan	Dimensions								Electrical Defrost 230 V-1 / 400 V-3-Y			Drain
		H	B	E	D	A ₁	A ₂	C	F	Coil	Tray	Total	
										kW	kW	kW	
4SDD2C-10	2	545	1900	450	425	1530	-	178	135	5.60	1.40	7.00	1-1/4"

Model Code	Number of Fan	Dimensions								Electrical Defrost 230 V-1 / 400 V-3-Y			Drain
		H	B	E	D	A ₁	A ₂	C	F	Coil	Tray	Total	
										kW	kW	kW	
5SDG2C-12	2	900	2790	615	505	1520	-	185	135	13.80	1.15	14.95	1-1/4"
5SDH2C-12	2	1055	2300	615	505	1520	-	185	135	13.80	1.15	14.95	1-1/4"
5SDH2C-12	2	1055	2300	615	505	1520	-	185	135	13.80	1.15	14.95	1-1/4"

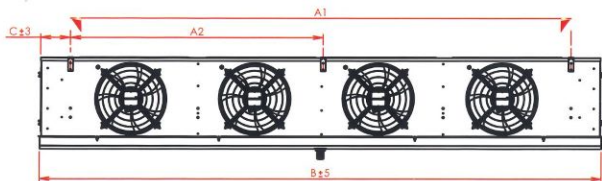
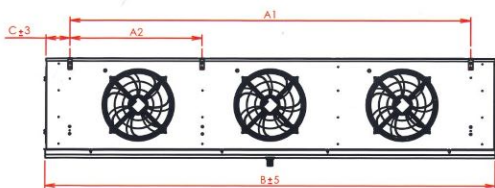
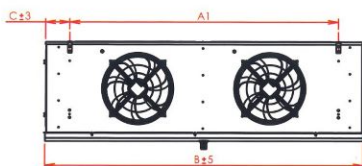
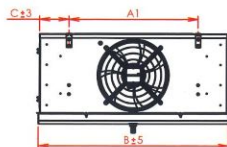
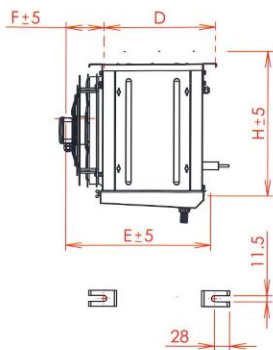
Fin Pattern

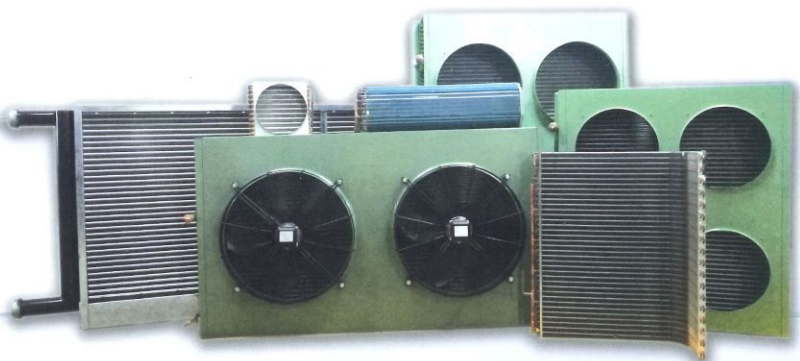
Pattern	Fin Thickness	Fin Pitch	Fin Surface				Edge		Heater		Tube Arrangement		
			FLAT	CORRUGATED	SLIT	LOUVERED	STRAIGHT	RIPPLED	HOLE	SLOT	STAGGERED	IN LINE	
Ø7mm_21mmx127mm.	0.105mm-0.110mm.	H=1.27mm-1.81mm.	✓	✓	—	—	✓	—	—	—	—	✓	—
Ø7mm_25.4mmx19.05mm.	0.095mm-0.105mm.	H=1.27mm-2.10mm.	✓	✓	—	—	✓	—	—	—	—	✓	—
Ø3/8" _25.4mmx19.05mm.	0.105mm-0.300mm.	H=1.27mm-5.08mm.	✓	✓	✓	—	✓	✓	✓	—	—	✓	—
Ø3/8" _25.4mmx22mm.	0.105mm-0.300mm.	H=1.80mm-6.35mm.	✓	✓	—	—	✓	✓	—	—	—	✓	—
Ø3/8" _25.4mmx25.4mm.	0.200mm-0.300mm.	H=2.50mm-6.35mm.	✓	✓	—	—	—	✓	✓	—	—	—	✓
Ø1/2" _31.75mmx27.5mm.	0.115mm-0.150mm.	H=1.80mm-6.35mm.	—	✓	—	—	—	✓	—	—	—	✓	—
Ø1/2" _35mmx35mm.	0.200mm-0.300mm.	H=2.50mm-10.00mm.	✓	✓	—	—	—	✓	✓	✓	—	—	✓
Ø5/8" _38.1mmx33mm.	0.115mm-0.250mm.	H=1.80mm-3.62mm.	—	✓	—	—	—	✓	—	—	—	✓	—
Ø5/8" _50mmx50mm.	0.200mm-0.300mm.	H=2.50mm-12.00mm.	✓	✓	—	—	—	✓	✓	✓	—	—	✓

✓ ใช้ได้

— ไม้เลือก

Dimensional View





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