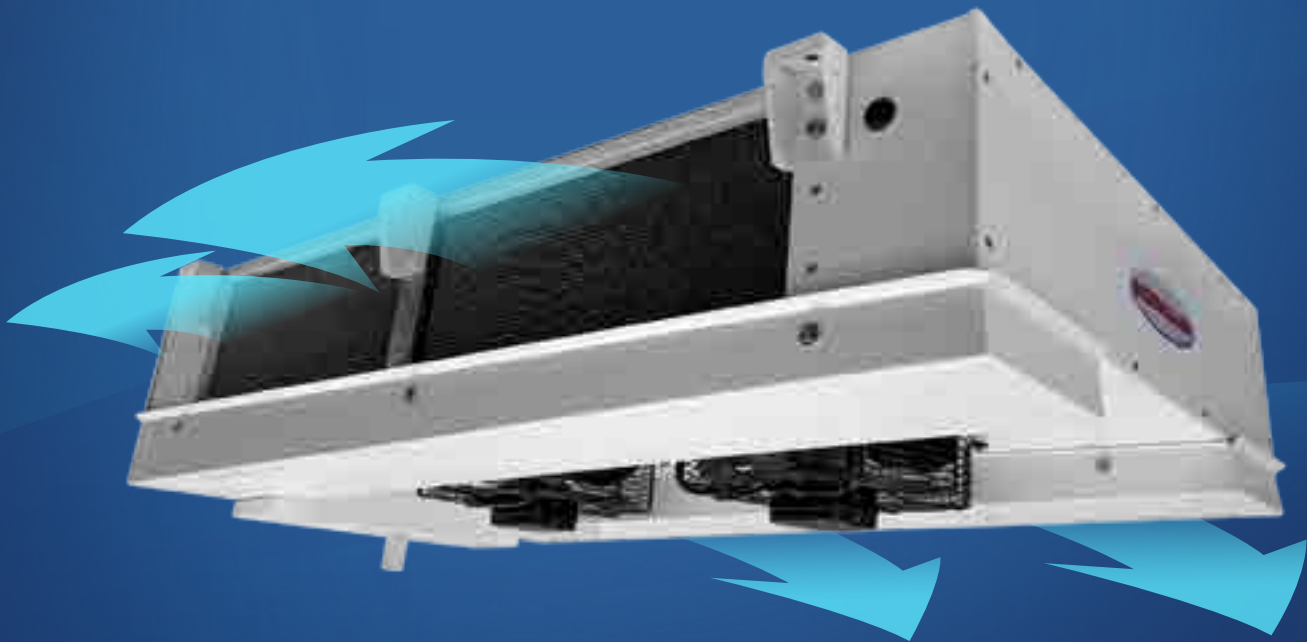




E5 – SERIES EVAPORATOR AIR COOLER

High Efficiency Heat Exchanger



Double air throw Evaporator
it is suitable for **food processing room**
with worker



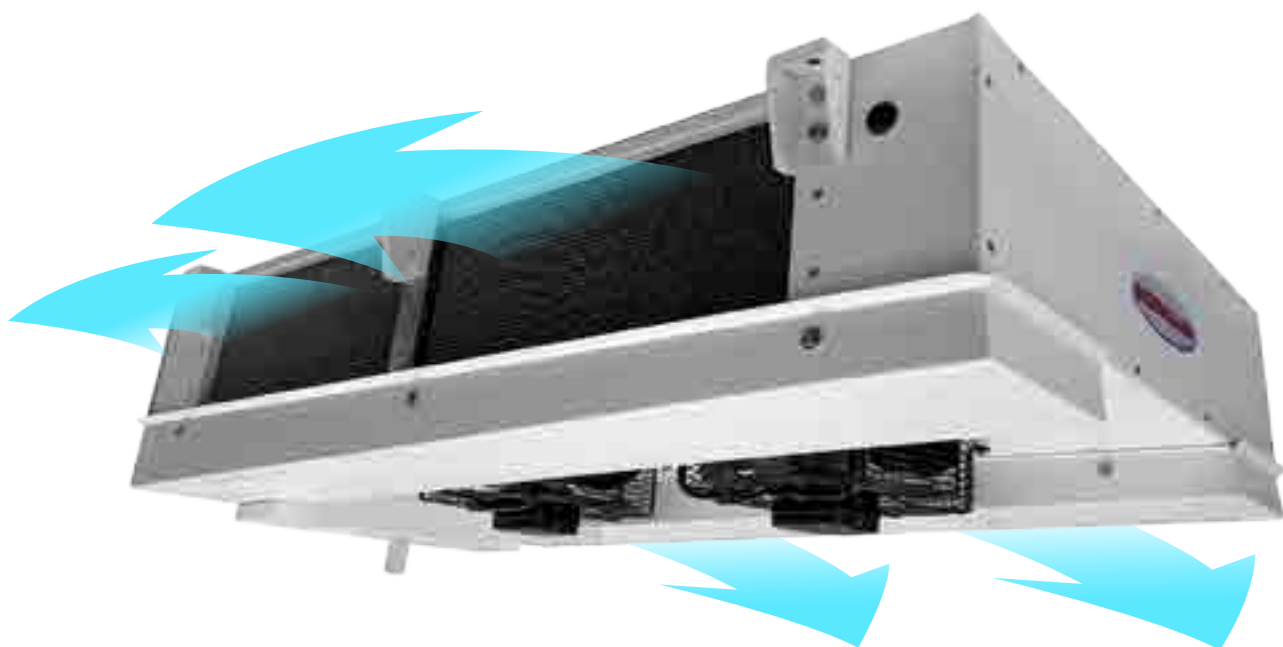
The fresh keeper for
*The **BEST***



E5-SERIES EVAPORATOR

Double air throw Evaporator

it is suitable for **food processing room**
with worker



Greenhalgh evaporator is a high efficiency heat exchanger. Capacity design according to the most popular compressor sizes in this range. Fin and tube design for maximizing the sensible capacity. Fin spacing can be made from 2.5mm to 6.0mm. Greenhalgh chooses only low specific energy consumption fans. Robust stainless steel electric heater with high isolation cable connections to meet UL-SA5102 and CSA-LR18489 standards and ensure the safety of the equipment.

Evaporator Greenhalgh ini adalah penukar panas yang efisien. Kapasitas dirancang sesuai dengan berbagai ukuran kompresor. Fin dan tube dirancang untuk menghasilkan kapasitas yang maksimal. Jarak fin dibuat dengan ukuran dari 2.5mm hingga 6.0mm. Greenhalgh menggunakan kipas dengan konsumsi energi yang rendah. Pemanas stainless steel dengan isolasi kabel yang menghubungkan standar UL-SA5102 dan CSA-LR18489 untuk menjamin keamanan produk.

*We keep the right to change performance data of products at anytime without notifications.

**Kami berhak mengganti data kinerja produk sewaktu-waktu tanpa pemberitahuan.*



High Efficiency Heat Exchanger

- Capacity design according to the most popular compressor sizes in this range.
- Fin and tube design for maximizing the sensible capacity.
- The Greenhalgh thermodynamic and aerodynamic designing software is long year tested and proved in Germany.

Penukar Panas Efisiensi Tinggi

- *Didesain memiliki kapasitas yang sesuai dengan berbagai ukuran kompresor.*
- *Desain fin and tube untuk menghasilkan kapasitas maksimal.*
- *Termodinamika dan aerodinamika Greenhalgh didesain dengan perangkat lunak yang telah teruji dan diakui di German.*

Fan

- Greenhalgh chooses only low specific energy consumption fans.
- Fan nozzle design for maximum air flow and air throw
- Our fans from the world's leading manufacturer are practically proved to be reliable in operation and long lasting.
- Motor : protection class IP 54 and Insulation class F.

Kipas

- *Greenhalgh memilih kipas dengan konsumsi energi rendah.*
- *Desain ujung kipas untuk memaksimalkan aliran udara dan melepaskan udara.*
- *Kami memiliki kipas dari produsen manufaktur dunia yang terbukti handal dan awet.*
- *Motor : proteksi kelas IP 54 dan isolasi kelas F.*

Greenhalgh Defrost

- 2.5mm fin spacing for high temperature and 4.2mm fin spacing for medium temperature and 6.0mm for low temperature ensure a good cooling capacity during a 4 hours cycle under typical humid conditions.
- Capacity of the defrost heater is according to the thermodynamic calculation of the latent heat and 4 hours defrost cycle.
- Robust stainless steel electric heater with high isolation cable connections to meet UL-SA5102 and CSA-LR18489 standards and ensure the safety of the equipment.
- 100% has been leakage tested with metode immersed in water tank to make sure the product doesn't leak.
- Heater wired to electric terminal box suitable for wet condition (standard IP66) and low temperature (tested at -40°C).

Defrost Greenhalgh

- *Jarak fin 2.5mm untuk temperatur tinggi, jarak fin 4.2mm untuk temperatur medium dan jarak fin 6.0mm untuk temperatur rendah memastikan kapasitas pendinginan selama 4 jam dalam kondisi lembab.*
- *Kapasitas pemanas defrost sesuai dengan perhitungan termodinamika panas dan siklus defrost 4 jam.*
- *Pemanas stainless steel dengan isolasi kabel untuk menghubungkan standar UL-SA5102 dan CSA-LR18489 menjamin keamanan produk.*
- *100% telah diuji kebocoran dengan metode yang dibenamkan di tangki air untuk memastikan produk tidak bocor.*
- *Kabel pemanas pada panel listrik tahan terhadap kondisi basah (standar IP66) dan suhu rendah (telah diuji di -40°C).*



We Facilitate You To Meet HACCP

- Durable material powder coated finish.
- Coil block made from robust fins to withstand the cleaning processes.
- Water drain tray design with slope towards the drainage to minimize the water in tray.
- Double drip tray for low temperature model.
- 100% leakage tested at 31 bar.

Fasilitas HACCP

- Material awet dan dicat powder coating.
- Coil terbuat dari fin yang kuat untuk menahan proses pembersihan coil.
- Pembuangan air dirancang dengan kemiringan untuk meminimalkan air tertahan di nampan.
- Double drip tray untuk model temperatur rendah.
- Kebocoran diuji 100% pada tekanan 31 bar.

Options

- Customized fin spacing
- Coil for Glycol operations

Pilihan

- Penyesuaian jarak fin
- Coil untuk operasional Glycol

Catalogue Rating Condition

High Temperature (SC1)

- Air inlet temperature 10°C
- Evaporator temperature 0°C
- Superheat 6.5K
- Refrigerant liquid temperature 30°C
- Relative humidity 75%

Medium Temperature (SC2)

- Air inlet temperature 0°C
- Evaporator temperature -8°C
- Superheat 5.2K
- Refrigerant liquid temperature 30°C
- Relative humidity 85%

Low Temperature (SC3)

- Air inlet temperature -18°C
- Evaporator temperature -25°C
- Superheat 4.55K
- Refrigerant liquid temperature 20°C
- Relative humidity 95%

Nilai Kondisi Katalog

Temperatur Tinggi (SC1)

- Temperatur saluran udara 10°C
- Temperatur evaporator 0°C
- Superheat 6.5K
- Temperatur cairan refrigerant 30°C
- Kelembaban relatif 75%

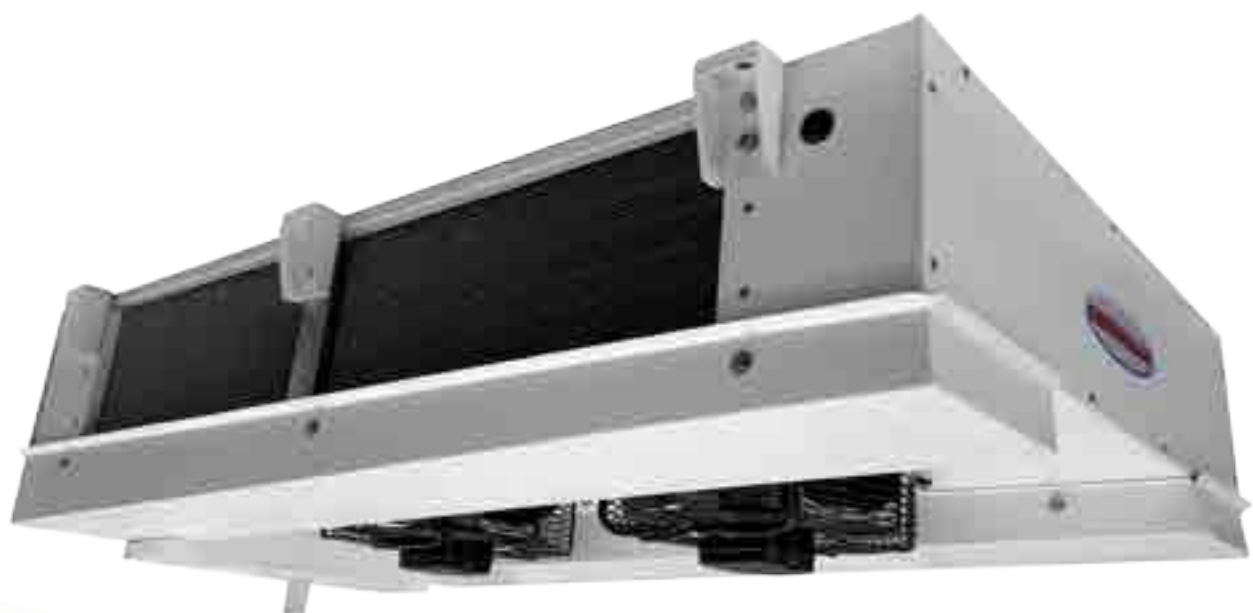
Temperatur Sedang (SC2)

- Temperatur saluran udara 0°C
- Temperatur evaporator -8°C
- Superheat 5.2K
- Temperatur cairan refrigerant 30°C
- Kelembaban relatif 85%

Temperatur Rendah (SC3)

- Temperatur saluran udara -18°C
- Temperatur evaporator -25°C
- Superheat 4.55K
- Temperatur cairan refrigerant 20°C
- Kelembaban relatif 95%

E5-Series



High Temperature												
RH		50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%
Conversion Factors		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
°C		-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	5°C	10°C		
$\Delta t(K)$	10	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	9	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	8	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	7	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	6	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	5	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	

Medium Temperature												
RH		50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%
Conversion Factors		0.857	0.86	0.859	0.883	0.915	0.945	0.974	1	1.025	1.049	1.084
°C		-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	5°C	10°C		
Δt(K)	10	0.917	1.036	1.127	1.214	1.285	1.353	1.366	1.401	1.458		
	9	0.851	0.941	1.003	1.067	1.114	1.175	1.194	1.214	1.259		
	8	0.764	0.825	0.869	0.899	0.947	1.000	1.008	1.028	1.062		
	7	0.651	0.685	0.715	0.747	0.774	0.806	0.813	0.821	0.852		
	6	0.509	0.538	0.561	0.573	0.594	0.607	0.610	0.617	0.650		
	5	0.424	0.429	0.430	0.431	0.433	0.457	0.464	0.469	0.500		

Low Temperature												
RH		50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%
Conversion Factors		0.955	0.96	0.957	9.959	0.962	0.969	0.978	0.986	0.993	1	1.012
°C		-35°C	-30°C	-25°C	-20°C	-18°C	-15°C	-12°C	-5°C	0°C		
Δt(K)	10	0.974	1.170	1.341	1.482	1.531	1.601	1.657	1.809	1.943		
	9	0.927	1.088	1.222	1.325	1.359	1.405	1.459	1.600	1.712		
	8	0.856	0.978	1.072	1.145	1.178	1.223	1.270	1.379	1.469		
	7	0.748	0.834	0.911	0.976	1.000	1.032	1.065	1.148	1.215		
	6	0.629	0.694	0.745	0.785	0.800	0.816	0.843	0.896	0.945		
	5	0.478	0.513	0.538	0.554	0.562	0.574	0.585	0.636	0.684		

Type	E5-031-H-1x300	E5-036-H-1x300	E5-040-H-1x300	E5-043-H-1x300	E5-063-H-2x300	E5-075-H-2x300	E5-085-H-2x300	E5-091-H-2x300
Cooling capacity								
R404 (kW)	3.08	3.63	3.95	4.40	6.31	7.46	8.51	9.15
Air flow (m ³)	1541	1476	1409	1339	3080	2950	2812	2676
Air throw (m)	5	5	5	5	5	5	5	5
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	1	2	2	2	2
Diameter (mm)	300	300	300	300	300	300	300	300
Amphere (A)	0.42	0.42	0.42	0.42	0.84	0.84	0.84	0.84
Kilowatt (kW)	90	90	90	90	180	180	180	180
Sound level dB(A) 1m	46	46	46	46	47	47	47	47
Dimentions								
Lenght (mm)	866	866	866	866	1366	1366	1366	1366
Height (mm)	303	303	303	303	303	303	303	303
Deep (mm)	860	860	860	860	860	860	860	860
Weight (kg)	32	33	35	36	49	52	50	53
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
Outlet (mm)	15.88	15.88	15.88	15.88	15.88	19.05	19.05	22.22
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-094-H-3x300	E5-113-H-3x300	E5-119-H-3x300	E5-134-H-3x300	E5-151-H-4x300	E5-171-H-4x300	E5-185-H-4x300	E5-044-H-1x350
Cooling capacity								
R404 (kW)	9.43	11.29	11.91	13.36	15.12	17.10	18.48	4.43
Air flow (m ³)	4620	4425	4223	4017	5900	5623	5351	2585
Air throw (m)	5	5	5	5	5	5	5	6
Fan 1Ph/230V/50Hz								
Quantity	3	3	3	3	4	4	4	1
Diameter (mm)	300	300	300	300	300	300	300	350
Amphere (A)	1.26	1.26	1.26	1.26	1.68	1.68	1.68	0.70
Kilowatt (kW)	270	270	270	270	360	360	360	150
Sound level dB(A) 1m	48	48	48	48	49	49	49	51
Dimentions								
Lenght (mm)	1866	1866	1866	1866	2366	2366	2366	968
Height (mm)	303	303	303	303	303	303	303	366
Deep (mm)	860	860	860	860	860	860	860	910
Weight (kg)	67	71	74	78	91	96	101	39
Connection								
Inlet (mm)	12.70	12.70	15.88	15.88	15.88	15.88	15.88	12.70
Outlet (mm)	19.05	22.22	22.22	22.22	28.58	28.58	28.58	15.88
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

E5-Series

High Temperature Evaporators With Fin Spacing 2.5mm

 With Fan
350-450mm

Type	E5-061- H-1x350	E5-068- H-1x350	E5-073- H-1x350	E5-103- H-2x350	E5-121- H-2x350	E5-138- H-2x350	E5-147- H-2x350	E5-187- H-3x350
Cooling capacity								
R404 (kW)	6.13	6.78	7.28	10.34	12.08	13.83	14.69	18.75
Air flow (m ³)	2455	2330	2186	5156	4910	4658	4370	7361
Air throw (m)	6	6	6	6	6	6	6	6
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	2	2	2	2	3
Diameter (mm)	350	350	350	350	350	350	350	350
Amphere (A)	0.70	0.70	0.70	0.42	0.42	0.42	0.42	2.10
Kilowatt (kW)	150	150	150	90	90	90	90	450
Sound level dB(A) 1m	51	51	51	46	46	46	46	53
Dimintions								
Lenght (mm)	968	968	968	866	866	866	866	2168
Height (mm)	366	366	366	303	303	303	303	366
Deep (mm)	910	910	910	860	860	860	860	910
Weight (kg)	41	43	45	63	67	71	74	91
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
Outlet (mm)	15.88	15.88	19.05	22.22	22.22	22.22	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-211- H-3x350	E5-225- H-3x350	E5-250- H-4x350	E5-279- H-4x350	E5-289- H-4x350	E5-131- H-1x450	E5-149- H-1x450	E5-161- H-1x450
Cooling capacity								
R404 (kW)	21.12	18.75	25.03	27.89	28.88	13.10	14.93	16.10
Air flow (m ³)	6984	7361	9815	9316	8742	4817	4746	4674
Air throw (m)	6	6	6	6	6	8	8	8
Fan 1Ph/230V/50Hz								
Quantity	3	3	4	4	4	1	1	1
Diameter (mm)	350	350	350	350	350	450	450	450
Amphere (A)	2.10	2.10	2.80	2.80	2.80	0.80	0.80	0.80
Kilowatt (kW)	450	450	600	600	600	420	420	420
Sound level dB(A) 1m	53	53	54	54	54	56	56	56
Dimintions								
Lenght (mm)	2168	2168	2768	2768	2768	1478	1478	1478
Height (mm)	366	366	366	366	366	452	452	452
Deep (mm)	910	910	910	910	910	1010	1010	1010
Weight (kg)	97	103	118	125	133	79	83	88
Connection								
Inlet (mm)	15.88	15.88	15.88	15.88	22.22	15.88	15.88	15.88
Outlet (mm)	28.58	34.93	34.93	28.58	34.93	22.22	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-217- H-2x450	E5-256- H-2x450	E5-293- H-2x450	E5-325- H-2x450	E5-387- H-3x450	E5-442- H-3x450	E5-490- H-3x450
Cooling capacity							
R404 (kW)	21.70	25.64	29.33	32.55	38.65	44.20	49.00
Air flow (m ³)	9780	9636	9492	9348	14453	14237	14022
Air throw (m)	8	8	8	8	8	8	8
Fan 1Ph/230V/50Hz							
Quantity	2	2	2	2	3	3	3
Diameter (mm)	450	450	450	450	450	450	450
Amphere (A)	1.60	1.60	1.60	1.60	2.40	2.40	2.40
Kilowatt (kW)	840	840	840	840	1260	1260	1260
Sound level dB(A) 1m	57	57	57	58	58	58	58
Dimentions							
Lenght (mm)	2578	2578	2578	2578	3678	3678	3678
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	128	136	145	154	196	209	222
Connection							
Inlet (mm)	15.88	15.88	22.22	22.22	22.22	22.22	22.22
Outlet (mm)	28.58	34.92	34.92	34.92	41.28	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-173- H-1x500	E5-197- H-1x500	E5-214- H-1x500	E5-286- H-2x500	E5-349- H-2x500	E5-396- H-2x500	E5-429- H-2x500
Cooling capacity							
R404 (kW)	17.30	19.65	21.40	28.59	34.89	39.60	42.89
Air flow (m ³)	6548	6404	6147	13501	13095	12699	12294
Air throw (m)	10	10	10	10	10	10	10
Fan 1Ph/230V/50Hz							
Quantity	1	1	1	2	2	2	2
Diameter (mm)	500	500	500	500	500	500	500
Amphere (A)	1.10	1.10	1.10	2.20	2.20	2.20	2.20
Kilowatt (kW)	555	555	555	1110	1110	1110	1110
Sound level dB(A) 1m	62	62	62	63	63	63	63
Dimentions							
Lenght (mm)	1778	1778	1778	3178	3178	3178	3178
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	104	109	115	173	184	195	206
Connection							
Inlet (mm)	15.88	15.88	15.88	22.22	22.22	22.22	15.88
Outlet (mm)	28.58	28.58	28.58	34.93	34.93	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

E5-Series

Medium Temperature Evaporators With Fin Spacing 4.2mm

With Fan
300-350mm

Type	E5-018-M-1x300	E5-023-M-1x300	E5-025-M-1x300	E5-028-M-1x300	E5-037-M-2x300	E5-048-M-2x300	E5-055-M-2x300	E5-061-M-2x300
Cooling capacity								
R404 (kW)	1.84	2.34	2.48	2.87	3.75	4.78	5.47	6.20
Air flow (m ³)	1524	1480	1437	1392	3049	2960	2872	2782
Air throw (m)	5	5	5	5	5	5	5	5
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	1	2	2	2	2
Diameter (mm)	300	300	300	300	300	300	300	300
Amphere (A)	0.42	0.42	0.42	0.42	0.84	0.84	0.84	0.84
Kilowatt (kW)	90	90	90	90	180	180	180	180
Sound level dB(A) 1m	46	46	46	46	47	47	47	47
Heater 1Ph/220V/50Hz								
Watt (W)	600	600	1200	1200	1200	1200	2400	2400
Dimensions								
Length (mm)	866	866	866	866	1366	1366	1366	1366
Height (mm)	303	303	303	303	303	303	303	303
Deep (mm)	860	860	860	860	860	860	860	860
Weight (kg)	32	33	34	35	48	51	53	55
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
Outlet (mm)	15.88	15.88	15.88	15.88	15.88	19.05	19.05	22.22
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

Type	E5-056-M-3x300	E5-072-M-3x300	E5-080-M-3x300	E5-087-M-3x300	E5-097-M-4x300	E5-112-M-4x300	E5-125-M-4x300	E5-029-M-1x350
Cooling capacity								
R404 (kW)	5.60	7.23	8.05	8.71	9.67	11.24	12.50	2.89
Air flow (m ³)	4573	4440	4307	4175	5920	5742	5565	2570
Air throw (m)	5	5	5	5	5	5	5	6
Fan 1Ph/230V/50Hz								
Quantity	3	3	3	3	4	4	4	1
Diameter (mm)	300	300	300	300	300	300	300	350
Amphere (A)	1.26	1.26	1.26	1.26	1.68	1.68	1.68	0.70
Kilowatt (kW)	270	270	270	270	360	360	360	150
Sound level dB(A) 1m	48	48	48	48	49	49	49	51
Heater 1Ph/220V/50Hz								
Watt (W)	1800	1800	3600	3600	2400	4800	4800	720
Dimensions								
Length (mm)	1866	1866	1866	1866	2366	2366	2366	968
Height (mm)	303	303	303	303	303	303	303	366
Deep (mm)	860	860	860	860	860	860	860	910
Weight (kg)	66	69	72	75	89	93	97	39
Connection								
Inlet (mm)	12.70	12.70	15.88	15.88	15.88	15.88	15.88	12.70
Outlet (mm)	19.05	22.22	22.22	22.22	28.58	28.58	28.58	15.88
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

Type	E5-038-M-1x350	E5-045-M-1x350	E5-049-M-1x350	E5-062-M-2x350	E5-078-M-2x350	E5-091-M-2x350	E5-098-M-2x350	E5-119-M-3x350
Cooling capacity								
R404 (kW)	3.82	4.49	4.85	6.28	7.83	9.12	11.95	11.95
Air flow (m ³)	2477	2390	2307	5139	4954	4781	7430	7430
Air throw (m)	6	6	6	6	6	6	6	6
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	2	2	2	2	3
Diameter (mm)	350	350	350	350	350	350	350	350
Amphere (A)	0.70	0.70	0.70	1.40	1.40	1.40	1.40	2.10
Kilowatt (kW)	150	150	150	300	300	300	300	450
Sound level dB(A) 1m	51	51	51	52	52	52	52	53
Heater 1Ph/220V/50Hz								
Watt (W)	720	1440	1440	1440	1440	2880	2880	2160
Dimensions								
Length (mm)	968	968	968	1568	1568	1568	1568	2168
Height (mm)	366	366	366	366	366	366	366	366
Deep (mm)	910	910	910	910	910	910	910	910
Weight (kg)	40	42	44	61	65	68	71	88
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88
Outlet (mm)	15.88	15.88	19.05	22.22	22.22	28.58	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

Type	E5-139-M-3x350	E5-152-M-3x350	E5-155-M-4x350	E5-178-M-4x350	E5-200-M-4x350	E5-082-M-1x450	E5-095-M-1x450	E5-107-M-1x450
Cooling capacity								
R404 (kW)	13.89	15.15	15.51	17.82	20.02	8.17	9.51	10.71
Air flow (m ³)	7170	6920	9908	9563	9227	4708	4660	4612
Air throw (m)	6	6	6	6	6	8	8	8
Fan 1Ph/230V/50Hz								
Quantity	3	3	4	4	4	1	1	1
Diameter (mm)	350	350	350	350	350	450	450	450
Amphere (A)	2.10	2.10	2.80	2.80	2.80	0.80	0.80	0.80
Kilowatt (kW)	450	450	600	600	600	420	420	420
Sound level dB(A) 1m	53	53	54	54	54	56	56	56
Heater 1Ph/220V/50Hz								
Watt (W)	4320	4320	2880	5760	5760	2640	3960	3960
Dimensions								
Length (mm)	2168	2168	2768	2768	2768	1478	1478	1478
Height (mm)	366	366	366	366	366	452	452	452
Deep (mm)	910	910	910	910	910	1010	1010	1010
Weight (kg)	93	98	114	121	127	77	81	84
Connection								
Inlet (mm)	15.88	15.88	15.88	15.88	22.22	15.88	15.88	15.88
Outlet (mm)	28.58	34.93	34.93	28.58	34.93	22.22	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

E5-Series

Medium Temperature Evaporators With Fin Spacing 4.2mm

With Fan
450-500mm

Type	E5-128-M-2x350	E5-153-M-2x350	E5-192-M-2x350	E5-216-M-2x350	E5-247-M-3x350	E5-289-M-3x450	E5-325-M-3x450
Cooling capacity							
R404 (kW)	12.82	15.33	19.21	12.62	24.72	28.92	32.52
Air flow (m ³)	9514	9416	9319	9224	14123	13978	13837
Air throw (m)	8	8	8	8	8	8	8
Fan 1Ph/230V/50Hz							
Quantity	2	2	2	2	3	3	3
Diameter (mm)	450	450	450	450	450	450	450
Amphere (A)	1.60	1.60	1.60	1.60	2.40	2.40	2.40
Kilowatt (kW)	840	840	840	840	1260	1260	1260
Sound level dB(A) 1m	57	57	57	57	58	58	58
Heater 1Ph/220V/50Hz							
Watt (W)	5280	5280	7920	7920	7920	11880	11880
Dimensions							
Length (mm)	2578	2578	2578	2578	3678	3678	3678
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	124	132	139	147	189	200	212
Connection							
Inlet (mm)	15.88	15.88	22.22	22.22	22.22	22.22	22.22
Outlet (mm)	28.58	34.92	34.92	34.93	41.28	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

Type	E5-109-M-1x500	E5-127-M-1x500	E5-143-M-1x500	E5-177-M-2x500	E5-219-M-2x500	E5-256-M-2x500	E5-283-M-2x500
Cooling capacity							
R404 (kW)	10.90	12.74	14.26	17.74	21.94	25.63	28.34
Air flow (m ³)	6469	6359	6229	13283	12991	12718	12458
Air throw (m)	10	10	10	10	10	10	10
Fan 1Ph/230V/50Hz							
Quantity	1	1	1	2	2	2	2
Diameter (mm)	500	500	500	500	500	500	500
Amphere (A)	1.10	1.10	1.10	2.20	2.20	2.20	2.20
Kilowatt (kW)	555	555	555	1110	1110	1110	1110
Sound level dB(A) 1m	62	62	62	63	63	63	63
Heater 1Ph/220V/50Hz							
Watt (W)	3360	5040	5040	6720	6720	10080	10080
Dimensions							
Length (mm)	1778	1778	1778	3178	3178	3178	3178
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	101	106	111	168	178	188	197
Connection							
Inlet (mm)	15.88	15.88	15.88	22.22	22.22	22.22	22.22
Outlet (mm)	28.58	28.58	28.58	34.93	34.93	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Note: standard medium temperature evaporator is without heater. If you need heater, please add E in nomenclature. Ex: E5-018-ME.

Catatan: Standar evaporator temperatur medium tanpa heater. Jika butuh heater, tambahkan E pada nomenclature. Contoh: E5-018-ME.

Type	E5-011-L-1x300	E5-014-L-1x300	E5-016-L-1x300	E5-018-L-1x300	E5-023-L-2x300	E5-029-L-2x300	E5-033-L-2x300	E5-039-L-2x300
Cooling capacity								
R404 (kW)	1.12	1.42	1.55	1.80	2.29	2.92	3.41	3.88
Air flow (m ³)	1446	1415	1389	1352	2892	2829	2754	2704
Air throw (m)	5	5	5	5	5	5	5	5
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	1	2	2	2	2
Diameter (mm)	300	300	300	300	300	300	300	300
Amphere (A)	0.42	0.42	0.42	0.42	0.84	0.84	0.84	0.84
Kilowatt (kW)	90	90	90	90	180	180	180	180
Sound level dB(A) 1m	46	46	46	46	47	47	47	47
Heater 1Ph/220V/50Hz								
Watt (W)	1200	1200	1800	1800	2400	2400	3600	3600
Dimensions								
Length (mm)	866	866	866	866	1366	1366	1366	1366
Height (mm)	303	303	303	303	303	303	303	303
Deep (mm)	860	860	860	860	860	860	860	860
Weight (kg)	32	33	34	35	48	51	53	55
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
Outlet (mm)	15.88	15.88	15.88	15.88	15.88	19.05	19.05	22.22
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-034-L-3x300	E5-044-L-3x300	E5-049-L-3x300	E5-055-L-3x300	E5-059-L-4x300	E5-070-L-4x300	E5-079-L-4x300	E5-017-L-1x350
Cooling capacity								
R404 (kW)	3.42	4.42	4.85	5.47	5.92	6.96	7.84	1.70
Air flow (m ³)	4328	4244	4150	5055	5658	5533	5408	2453
Air throw (m)	5	5	5	5	5	5	5	6
Fan 1Ph/230V/50Hz								
Quantity	3	3	3	3	4	4	4	1
Diameter (mm)	300	300	300	300	300	300	300	350
Amphere (A)	1.26	1.26	1.26	1.26	1.68	1.68	1.68	0.70
Kilowatt (kW)	270	270	270	270	360	360	360	150
Sound level dB(A) 1m	48	48	48	48	49	49	49	51
Heater 1Ph/220V/50Hz								
Watt (W)	3600	3600	5400	5400	4800	7200	7200	1400
Dimensions								
Length (mm)	1866	1866	1866	1866	2366	2366	2366	968
Height (mm)	303	303	303	303	303	303	303	366
Deep (mm)	860	860	860	860	860	860	860	910
Weight (kg)	66	69	72	75	88	92	96	39
Connection								
Inlet (mm)	12.70	12.70	15.88	15.88	15.88	15.88	15.88	12.70
Outlet (mm)	19.05	22.22	22.22	22.22	28.58	28.58	28.58	15.88
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

E5-Series

Low Temperature Evaporators With Fin Spacing 6.0mm

With Fan
350-450mm

Type	E5-024-L-1x350	E5-028-L-1x350	E5-031-L-1x350	E5-038-L-2x350	E5-048-L-2x350	E5-056-L-2x350	E5-062-L-2x350	E5-074-L-3x350
Cooling capacity								
R404 (kW)	2.36	2.76	3.06	3.83	4.76	5.64	0.18	7.35
Air flow (m ³)	2383	2317	2255	4906	4765	4634	4509	7148
Air throw (m)	6	6	6	6	6	6	6	6
Fan 1Ph/230V/50Hz								
Quantity	1	1	1	2	2	2	2	3
Diameter (mm)	350	350	350	350	350	350	350	350
Amphere (A)	0.70	0.70	0.70	1.40	1.40	1.40	1.40	2.10
Kilowatt (kW)	150	150	150	300	300	300	300	450
Sound level dB(A) 1m	51	51	51	52	52	52	52	53
Heater 1Ph/220V/50Hz								
Watt (W)	1400	2200	2200	2900	2900	4300	4300	4300
Dimensions								
Length (mm)	968	968	968	1568	1568	1568	1568	2168
Height (mm)	366	366	366	366	366	366	366	366
Deep (mm)	910	910	910	910	910	910	910	910
Weight (kg)	40	42	43	61	64	68	71	88
Connection								
Inlet (mm)	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88
Outlet (mm)	15.88	15.88	19.05	22.22	22.22	22.22	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-086-L-3x350	E5-095-L-3x350	E5-096-L-4x350	E5-111-L-4x350	E5-123-L-4x350	E5-050-L-1x450	E5-058-L-1x450	E5-066-L-1x450
Cooling capacity								
R404 (kW)	8.64	9.58	9.62	11.16	12.34	4.99	5.85	6.58
Air flow (m ³)	6952	6764	9531	9268	9019	4422	4287	4353
Air throw (m)	6	6	6	6	6	8	8	8
Fan 1Ph/230V/50Hz								
Quantity	3	3	4	4	4	1	1	1
Diameter (mm)	350	350	350	350	350	450	450	450
Amphere (A)	2.10	2.10	2.80	2.80	2.80	0.80	0.80	0.80
Kilowatt (kW)	450	450	600	600	600	420	420	420
Sound level dB(A) 1m	53	53	54	54	54	56	56	56
Heater 1Ph/220V/50Hz								
Watt (W)	6500	6500	5800	8600	8600	4000	5300	5300
Dimensions								
Length (mm)	2168	2168	2768	2768	2768	1478	1478	1478
Height (mm)	366	366	366	366	366	452	452	452
Deep (mm)	910	910	910	910	910	1010	1010	1010
Weight (kg)	92	97	113	119	126	76	80	84
Connection								
Inlet (mm)	15.88	15.88	15.88	15.88	22.22	15.88	15.88	15.88
Outlet (mm)	28.58	34.93	34.93	28.58	34.93	22.22	28.58	28.58
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

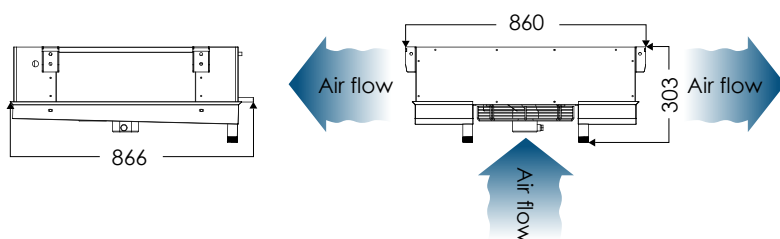
Type	E5-078-L-2x450	E5-093-L-2x450	E5-117-L-2x450	E5-133-L-2x450	E5-150-L-3x450	E5-176-L-3x450	E5-200-L-3x450
Cooling capacity							
R404 (kW)	7.80	9.32	11.70	13.31	14.96	17.62	20.05
Air flow (m ³)	8916	8845	8775	8706	13267	13162	13059
Air throw (m)	8	8	8	8	8	8	8
Fan 1Ph/230V/50Hz							
Quantity	2	2	2	2	3	3	3
Diameter (mm)	450	450	450	450	450	450	450
Amphere (A)	1.60	1.60	1.60	1.60	2.40	2.40	2.40
Kilowatt (kW)	840	840	840	840	1260	1260	1260
Sound level dB(A) 1m	57	57	57	57	58	58	58
Heater 1Ph/220V/50Hz							
Watt (W)	7900	7900	10600	10600	11900	15800	15800
Dimensions							
Length (mm)	2578	2578	2578	2578	3678	3678	3678
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	123	131	138	145	187	198	209
Connection							
Inlet (mm)	15.88	15.88	22.22	22.22	22.22	22.22	22.22
Outlet (mm)	28.58	34.92	34.92	34.93	41.28	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

Type	E5-067-L-1x500	E5-080-L-1x500	E5-089-L-1x500	E5-108-L-2x500	E5-135-L-2x500	E5-159-L-2x500	E5-177-L-2x500
Cooling capacity							
R404 (kW)	6.69	7.88	8.90	10.77	13.48	15.87	17.74
Air flow (m ³)	6169	6065	5966	12561	12337	12129	11932
Air throw (m)	10	10	10	10	10	10	10
Fan 1Ph/230V/50Hz							
Quantity	1	1	1	2	2	2	2
Diameter (mm)	500	500	500	500	500	500	500
Amphere (A)	1.10	1.10	1.10	2.20	2.20	2.20	2.20
Kilowatt (kW)	555	555	555	1110	1110	1110	1110
Sound level dB(A) 1m	62	62	62	63	63	63	63
Heater 1Ph/220V/50Hz							
Watt (W)	5000	6700	6700	10100	10100	13400	13400
Dimensions							
Length (mm)	1778	1778	1778	3178	3178	3178	3178
Height (mm)	452	452	452	452	452	452	452
Deep (mm)	1010	1010	1010	1010	1010	1010	1010
Weight (kg)	100	105	110	167	177	186	195
Connection							
Inlet (mm)	15.88	15.88	15.88	22.22	22.22	22.22	22.22
Outlet (mm)	28.58	28.58	28.58	34.93	34.93	41.28	41.28
Drain pipe (NW")	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1	NPT 1

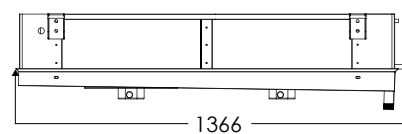
E5-Series

Dimensional drawing with different fans

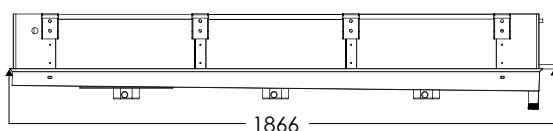
1 x 300 Fan



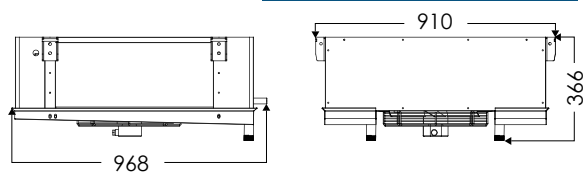
2 x 300 Fan



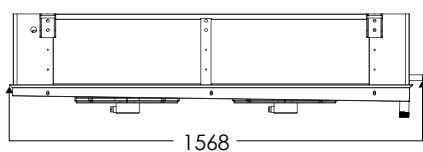
3 x 300 Fans



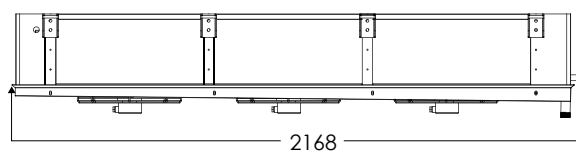
1 x 350 Fans



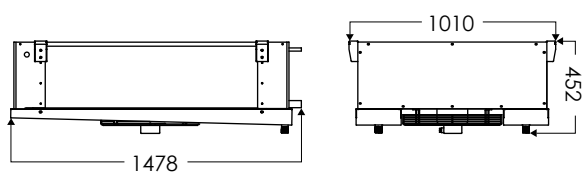
2 x 350 Fans



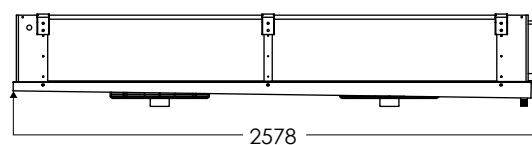
3 x 350 Fans



1 x 450 Fans



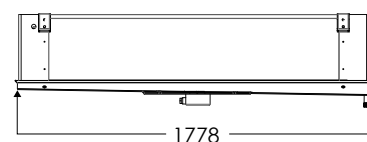
2 x 450 Fans



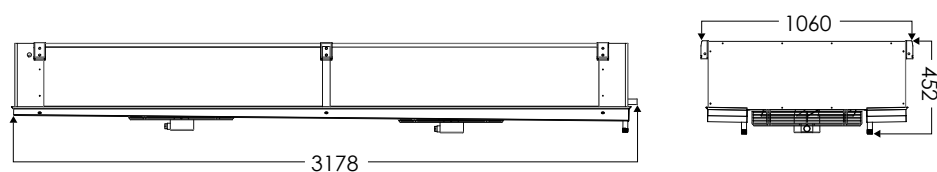
3 x 450 Fans



1 x 500 Fans



2 x 500 Fans



Distributor

