



PRODUCT CATALOGUE

Nov 2023



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Introduction to Evaporators and Air-Cooled Condensers



- Since 1975 hundreds of thousands of Recam Evaporators and Condensers have been manufactured for the local and export markets.
- In 1996 Recam became part of the International Carrier group under the umbrella of UTC.
- In 2001 Recam moved to the current premises and were joined by Dynatemp to be known as ECR Manufacturing
- In 2009, the Beijer Group acquired the Carrier operations in South Africa. ECR Manufacturing became part of the Metraclark Group and again became known as RECAM
- In 2012 Recam was certified as an ISO 9001 company

A wide range of Evaporators and Condenser models

- Our products are suitable for all the different refrigerants except Ammonia (R717) , R410a & CO2.
- By changing the circuitry of our evaporators they are also suitable for chilled water

CONSTRUCTION:

- The Direct Expansion Evaporators have Aluminium Fins, mechanically bonded to Copper Tubing of 15.88 and 9.53 mm. O.D.
- Tubes are spaced 50x50 and 25x22 mm with a fin spacing of 2.11, 4.2 and 6.35.
- Evaporators / Condensers are pressure tested at 25 Bar with Dry Air.

HOUSING:

- Made of powder coated galvanised steel.

DEFROSTING:

- H = Air Defrost - Above +2°C
- L = Electric Defrost - Below +2°C

GENERAL FEATURES

- All Evaporators are factory wired.
- All 15.88 tubing Evaporators have turbo spirals inserted for increased efficiency.
- Our fan motors are either impedance or thermally protected.
- The pitched drain pan has a large centre drain connection for positive water drainage.
- Slotted hangers are used for easy installation.
- Plastic covered wing screws are used on access panels for easy removal.
- Fan guards are made of durable glass-reinforced nylon.

OPTIONAL:

- Housing :-Epoxy coated; 304 stainless steel.
- Fins: - copper; aluminium, Epoxy coating on request.
- Fan motors: - 1Ph, 3Ph, Fan Speed Control, Invertor Drive.



HI SERIES



Using Louvered fin technology to improve heat transfer efficiency.

Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Reduced air bypass improves coil efficiency.

Easy removable doors that hooks on the unit makes assessability easier.

Modular design for easy installation.

Micro groove tubing for improved efficiency.

Hinged drip tray makes assessability easier.

All heating elements are removable from the fin side of the coil.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Various anti-corrosion options available.

Aluminum Side plates to reduce tube contact damage.

HI NOMINAL CAPACITIES

Model	kW	Model	kW
HI 3012 H/L	1.8	HI 4013 H/L	6.5
HI 3013 H/L	2.7	HI 4014 H/L	7.7
HI 3014 H/L	3.2		
HI 3022 H/L	4.2	HI 4023 H/L	11.9
HI 3023 H/L	5.4	HI 4024 H/L	15.6
HI 3024 H/L	6.4		
HI 3033 H/L	8.3	HI 4033 H/L	19.7
HI 3034 H/L	9.3	HI 4034 H/L	23.5
HI 3043 H/L	10.8	HI 4044 H/L	30.3
HI 3044 H/L	12.9		
HI 3053 H/L	13.9	HI 4013 -4L	5.2
HI 3054 H/L	16.1	HI 4014 -4L	6.5
HI 3013 -4L	2.2	HI 4023 -4L	10.2
HI 3014 -4L	2.7	HI 4024 -4L	13.1
HI 3023 -4L	4.3	HI 4033 -4L	15.7
HI 3024 -4L	5.4	HI 4034 -4L	19.7
HI 3033 -4L	6.9	HI 4044 -4L	26.0
HI 3034 -4L	7.8		
HI 3043 -4L	8.7		
HI 3044 -4L	10.9		
HI 3053 -4L	11.4		
HI 3054 -4L	13.8		

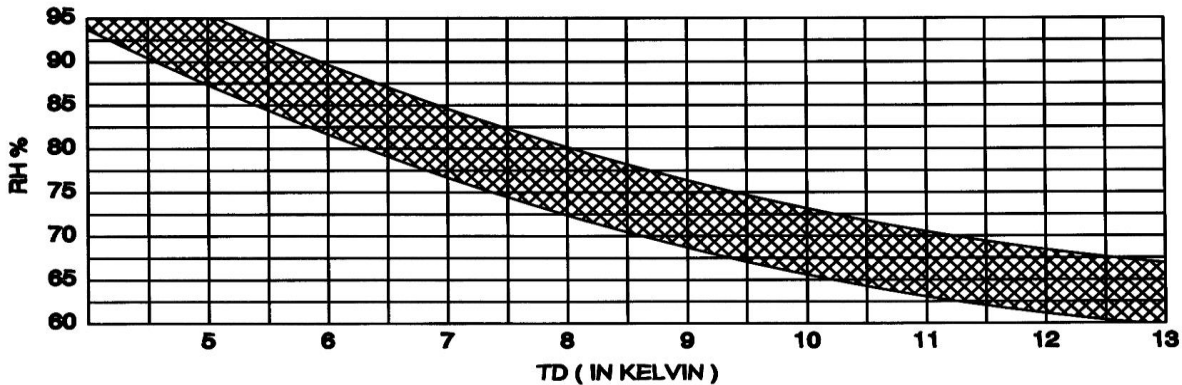
EXAMPLE:

Refrigerant	R134A
Compressor capacity	4kW
Evaporating temperature	-5°C
Room Temperature	2°C
Temperature difference TD	7K
Selected correction factor from tables	0.53

Compressor capacity/Correction factor $4/0.53 = 7.6\text{kW}$ Nominal capacity
 Select Evaporator nearest to Nominal capacity HI4014

When the room temperature is below -20°C select a -4L coil.

GUIDE TO OBTAIN RELATIVE HUMIDITY (RH)



HI CORRECTION FACTOR TABLES

R404A R507A		EVAPORATING TEMPERATURE								
TD	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.31	0.31	0.32	0.32	0.32	0.33	0.34	0.36	0.38	0.38
6	0.40	0.41	0.42	0.42	0.43	0.43	0.46	0.49	0.52	0.53
7	0.50	0.51	0.51	0.52	0.52	0.54	0.58	0.61	0.65	0.68
8	0.58	0.60	0.60	0.61	0.61	0.64	0.69	0.74	0.79	0.83
9	0.66	0.67	0.68	0.69	0.70	0.75	0.81	0.87	0.93	0.99
10	0.73	0.75	0.76	0.77	0.79	0.86	0.92	1.00	1.08	1.15
11								1.13	1.22	1.31
12								1.27	1.37	1.47

R134A		EVAPORATING TEMPERATURE								
TD	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
5	0.27	0.28	0.29	0.29	0.30	0.31	0.31	0.31	0.31	0.31
6	0.36	0.37	0.38	0.40	0.43	0.47	0.48	0.49	0.51	0.52
7	0.44	0.46	0.48	0.53	0.57	0.62	0.64	0.67	0.69	0.72
8	0.53	0.55	0.58	0.65	0.69	0.74	0.78	0.83	0.87	0.92
9	0.61	0.63	0.69	0.75	0.81	0.87	0.93	0.99	1.05	1.12
10	0.67	0.71	0.79	0.85	0.93	1.00	1.08	1.15	1.23	1.32
11					1.04	1.13	1.22	1.31	1.41	1.52
12					1.16	1.26	1.37	1.47	1.59	1.72

R407C		EVAPORATING TEMPERATURE								
TD	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	
5	-	0.55	0.56	0.56	0.57	0.61	0.66	0.65	0.72	0.74
6	-	0.64	0.65	0.66	0.68	0.74	0.78	0.83	0.87	0.91
7	-	0.73	0.74	0.75	0.79	0.85	0.91	0.97	1.02	1.08
8	-	0.81	0.82	0.84	0.90	0.96	1.04	1.11	1.18	1.25
9	-	0.88	0.90	0.93	1.00	1.08	1.17	1.26	1.34	1.43
10	-	0.95	0.98	1.03	1.11	1.20	1.30	1.40	1.50	1.61
11							1.44	1.55	1.67	1.79
12							1.57	1.70	1.83	1.97

R407F		EVAPORATING TEMPERATURE								
TD	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.53	0.54	0.54	0.55	0.55	0.56	0.60	0.64	0.68	0.70
6	0.61	0.63	0.64	0.64	0.65	0.67	0.72	0.77	0.82	0.85
7	0.69	0.72	0.73	0.74	0.74	0.78	0.84	0.90	0.96	1.01
8	0.77	0.80	0.81	0.82	0.83	0.89	0.96	1.03	1.10	1.17
9	0.84	0.87	0.89	0.90	0.93	1.00	1.07	1.16	1.25	1.33
10	0.91	0.95	0.97	0.98	1.03	1.12	1.20	1.30	1.40	1.50
11								1.44	1.55	1.66
12								1.58	1.70	1.83

R22		EVAPORATING TEMPERATURE								
TD	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	0.30	0.30
6	0.35	0.36	0.36	0.37	0.37	0.38	0.40	0.41	0.45	0.46
7	0.44	0.45	0.46	0.47	0.47	0.49	0.53	0.57	0.62	0.64
8	0.53	0.55	0.56	0.57	0.57	0.60	0.66	0.71	0.75	0.79
9	0.61	0.63	0.65	0.66	0.68	0.72	0.78	0.84	0.89	0.95
10	0.69	0.72	0.73	0.75	0.77	0.83	0.89	0.97	1.04	1.11
11								1.10	1.19	1.27
12								1.24	1.33	1.43

R410A		EVAPORATING TEMPERATURE								
TD	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.32	0.33	0.34
6	0.39	0.39	0.39	0.39	0.39	0.40	0.43	0.46	0.50	0.52
7	0.49	0.49	0.49	0.50	0.50	0.52	0.57	0.61	0.66	0.68
8	0.59	0.60	0.60	0.60	0.61	0.65	0.70	0.75	0.80	0.84
9	0.69	0.70	0.70	0.70	0.71	0.77	0.83	0.89	0.95	1.01
10	0.78	0.79	0.79	0.79	0.82	0.89	0.95	1.03	1.11	1.19
11								1.18	1.27	1.36
12								1.33	1.43	1.54

HI CORRECTION FACTORS

HI 300 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

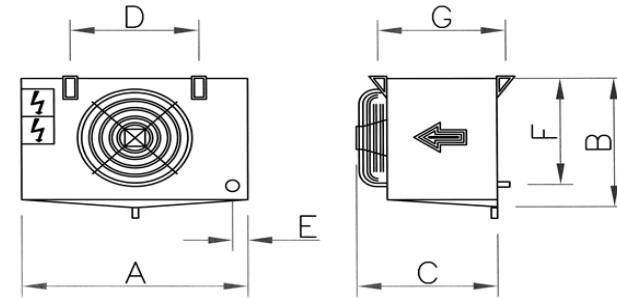
		3012 H/L	3013 H/L	3014 H/L
FAN MOTOR TYPE		230V	230V	230V
Fan Speed	Rpm	1400	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	1.80	2.70	3.20
	kcal/hr	1548	2321	2751
	Btu/hr	6143	9215	10922
Face Velocity	M/sec	3.0	2.6	2.3
Air Volume	M³/hr	1296	1123	994
Air Throw	M	10	9	8
Fan Motor Power input (230V)	Watt ea.	62	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28	0.28
No of Fans	ø300mm	1	1	1
Surface (HTA)	M²	3.60	5.40	7.20
Face Area	M²	0.120	0.120	0.120
Fin-Spacing	mm	4.2	4.2	4.2
Expansion Valve		Internal	Internal	Internal
Tube Volume	Litre	0.7	1.1	1.4
Electric Defrost 220/240 Volt	kW	0.7	0.7	0.95
	L1 Amp	3.5	3.5	4.5
	L2 Amp	-	-	-
	L3 Amp	-	-	-
Suction Connection	ø	1/2"	1/2"	1/2"
Liquid Connection	ø	1/2"	1/2"	1/2"
Hot Gas Defrost connection	ø	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	1"	1"	1"
Mass	Kg	16	17	18

		3012 -4L	3013 -4L	3014 -4L
FAN MOTOR TYPE		230V	230V	230V
Fan Speed	Rpm	1400	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	1.50	2.20	2.70
	kcal/hr	1290	1892	2321
	Btu/hr	5120	7509	9215
Face Velocity	M/sec	3.3	2.8	2.5
Air Volume	M³/hr	1426	1227	1093
Air Throw	M	11	10	9
Fan Motor Power input (230V)	Watt ea.	62	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28	0.28
No of Fans	ø300mm	1	1	1
Surface (HTA)	M²	2.50	3.70	4.90
Face Area	M²	0.120	0.120	0.120
Fin-Spacing	mm	6.35	6.35	6.35
Expansion Valve		Internal	Internal	Internal
Tube Volume	Litre	0.7	1.1	1.4
Electric Defrost 220/240 Volt	kW	0.7	0.7	0.95
	L1 Amp	3.5	3.5	4.5
	L2 Amp	-	-	-
	L3 Amp	-	-	-
Suction Connection	ø	1/2"	1/2"	1/2"
Liquid Connection	ø	1/2"	1/2"	1/2"
Hot Gas Defrost connection	ø	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	1"	1"	1"
Mass	Kg	16	17	18

HI 1 FAN 8 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
3012
Fan quantity



A	B	C	D	E	F	G
675	390	410	405	100	300	355

HI 1 FAN 8 TUBE HALF INCH RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HI 300 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

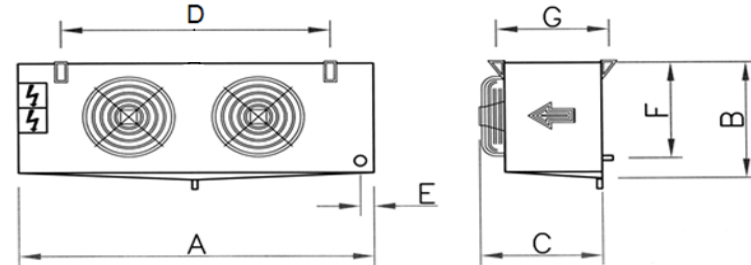
		3022 H/L	3023 H/L	3024 H/L
FAN MOTOR TYPE		230V	230V	230V
Fan Speed	Rpm	1400	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	4.20	5.40	6.40
	kcal/hr	3611	4643	5503
	Btu/hr	14335	18430	21843
Face Velocity	M/sec	3.0	2.6	2.3
Air Volume	M³/hr	2592	2246	1987
Air Throw	M	10	9	8
Fan Motor Power input (230V)	Watt ea.	62	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28	0.28
No of Fans	ø300mm	2	2	2
Surface (HTA)	M²	7.20	10.70	14.30
Face Area	M²	0.240	0.240	0.240
Fin-Spacing	mm	4.2	4.2	4.2
Expansion Valve		Internal	External	External
Tube Volume	Litre	1.4	2.1	2.8
Electric Defrost 220/240 Volt	kW	1.4	1.4	1.9
	L1 Amp	6.5	6.5	9
	L2 Amp	-	-	-
	L3 Amp	-	-	-
Suction Connection	ø	1/2"	7/8"	7/8"
Liquid Connection	ø	1/2"	1/2"	1/2"
Hot Gas Defrost connection	ø	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	1"	1"	1"
Mass	Kg	26	28	30

		3022 -4L	3023 -4L	3024 -4L
FAN MOTOR TYPE		230V	230V	230V
Fan Speed	Rpm	1400	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	3.40	4.30	5.40
	kcal/hr	2923	3697	4643
	Btu/hr	11604	14676	18430
Face Velocity	M/sec	3.3	2.8	2.5
Air Volume	M³/hr	2851	2454	2186
Air Throw	M	11	10	9
Fan Motor Power input (230V)	Watt ea.	62	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28	0.28
No of Fans	ø300mm	2	2	2
Surface (HTA)	M²	4.90	7.40	9.80
Face Area	M²	0.240	0.240	0.240
Fin-Spacing	mm	6.35	6.35	6.35
Expansion Valve		Internal	External	External
Tube Volume	Litre	1.4	2.1	2.8
Electric Defrost 220/240 Volt	kW	1.4	1.4	1.9
	L1 Amp	6.5	6.5	9
	L2 Amp	-	-	-
	L3 Amp	-	-	-
Suction Connection	ø	1/2"	7/8"	7/8"
Liquid Connection	ø	1/2"	1/2"	1/2"
Hot Gas Defrost connection	ø	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	1"	1"	1"
Mass	Kg	23	26	29

HI 2 FAN 8 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
3012
Fan quantity



A	B	C	D	E	F	G
1075	390	410	805	100	300	355

HI 2 FAN 8 TUBE HALF INCH RANGE

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HI 300 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

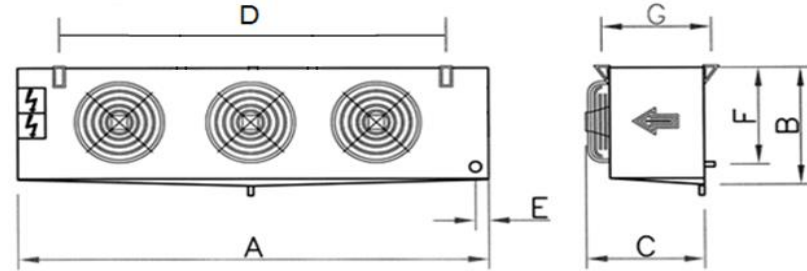
		3033 H/L	3034 H/L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	8.30	9.30
	kcal/hr	7136	7996
	Btu/hr	28328	31741
Face Velocity	M/sec	2.6	2.3
Air Volume	M³/hr	3370	2981
Air Throw	M	9	8
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	3	3
Surface (HTA)	M²	16.10	21.50
Face Area	M²	0.360	0.360
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	3.2	4.3
Electric Defrost 220/240 Volt	kW	2.1	2.85
	L1 Amp	10	13
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	7/8"	7/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	39	42

		3033 -4L	3034 -4L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	6.90	7.80
	kcal/hr	5933	6706
	Btu/hr	23550	26621
Face Velocity	M/sec	2.8	2.5
Air Volume	M³/hr	3681	3279
Air Throw	M	10	9
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	3	3
Surface (HTA)	M²	11.10	14.70
Face Area	M²	0.360	0.360
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	3.2	4.3
Electric Defrost 220/240 Volt	kW	2.1	2.85
	L1 Amp	10	13
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	7/8"	7/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	36	40

HI 3 FAN 8 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
3012
Fan quantity



A	B	C	D	E	F	G
1475	390	410	1205	100	300	355

HI 3 FAN 8 TUBE HALF INCH RANGE

HI 300 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

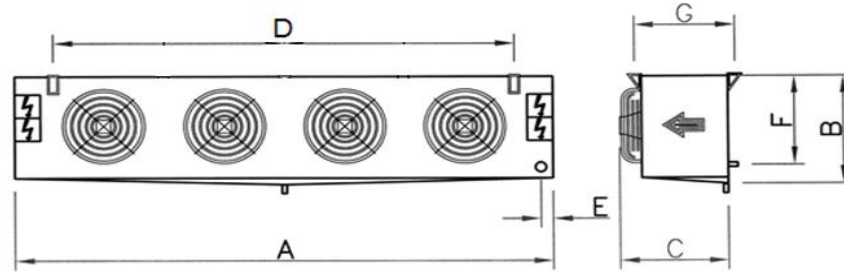
		3043 H/L	3044 H/L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	10.80	12.90
	kcal/hr	9286	11091
	Btu/hr	36860	44028
Face Velocity	M/sec	2.6	2.3
Air Volume	M³/hr	4493	3974
Air Throw	M	9	8
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	4	4
Surface (HTA)	M²	21.50	28.70
Face Area	M²	0.480	0.480
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	4.3	5.7
Electric Defrost 220/240 Volt	kW	2.8	3.8
	L1 Amp	13	17.5
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	50	54

		3043 -4L	3044 -4L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	8.70	10.90
	kcal/hr	7480	9372
	Btu/hr	29693	37202
Face Velocity	M/sec	2.8	2.5
Air Volume	M³/hr	4908	4372
Air Throw	M	10	9
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	4	4
Surface (HTA)	M²	14.70	19.60
Face Area	M²	0.480	0.480
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	4.3	5.7
Electric Defrost 220/240 Volt	kW	2.8	3.8
	L1 Amp	13	17.5
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	46	51

HI 4 FAN 8 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
3012
Fan quantity



A	B	C	D	E	F	G
1875	390	410	1605	100	300	355

HI 4 FAN 8 TUBE HALF INCH RANGE

HI 300 SERIES

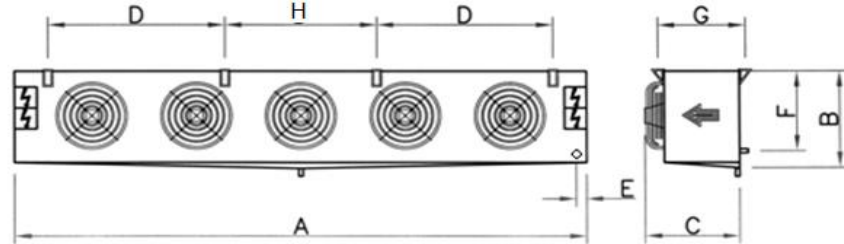
H: +10°C to +1°C
L: +1°C to -30°C

		3053 H/L	3054 H/L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	13.90	16.10
	kcal/hr	11951	13843
	Btu/hr	47441	54949
Face Velocity	M/sec	2.6	2.3
Air Volume	M³/hr	5616	4968
Air Throw	M	9	8
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	5	5
Surface (HTA)	M²	26.90	35.80
Face Area	M²	0.600	0.600
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	5.3	7.1
Electric Defrost 220/240 Volt	kW	3.5	4.75
	L1 Amp	16	22
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	61	66

		3053 -4L	3054 -4L
FAN MOTOR TYPE		230V	230V
Fan Speed	Rpm	1400	1400
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	11.40	13.80
	kcal/hr	9802	11865
	Btu/hr	38908	47099
Face Velocity	M/sec	2.8	2.5
Air Volume	M³/hr	6134	5465
Air Throw	M	10	9
Fan Motor Power input (230V)	Watt ea.	62	62
Fan Motor Current draw (230V)	Amp ea.	0.28	0.28
No of Fans	ø300mm	5	5
Surface (HTA)	M²	18.40	24.60
Face Area	M²	0.600	0.600
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	5.3	7.1
Electric Defrost 220/240 Volt	kW	3.5	4.75
	L1 Amp	16	22
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	56	62

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
3012
Fan quantity

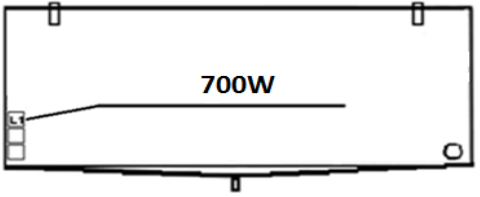
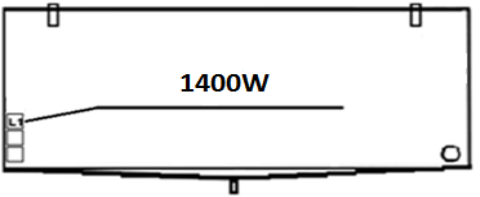
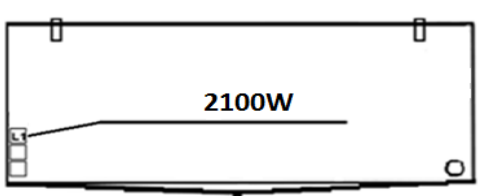
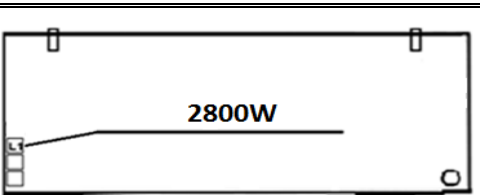
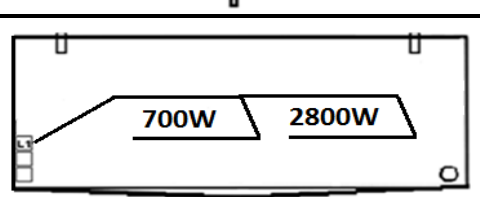


A	B	C	D	H	E	F	G
2275	390	410	805	400	100	300	355

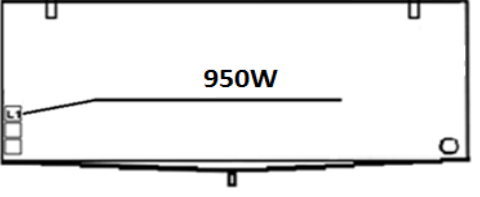
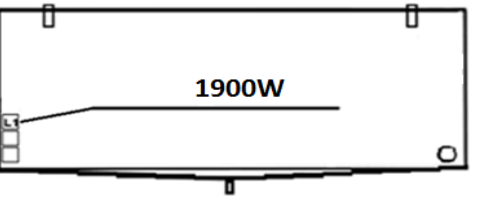
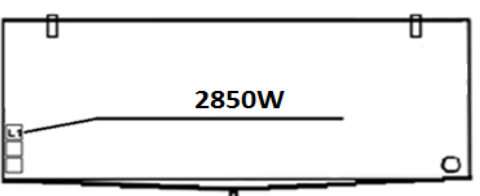
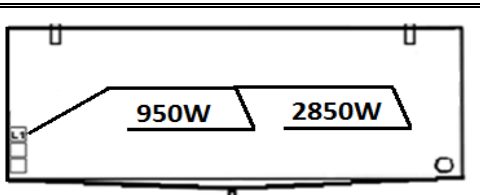
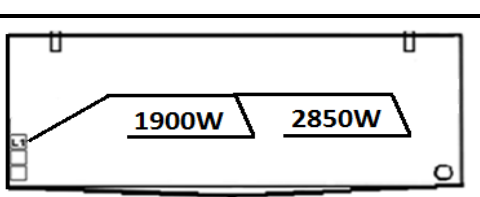
HI 5 FAN 8 TUBE HALF INCH RANGE

HI 5 FAN 8 TUBE HALF INCH RANGE

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Heater Configuration	Element Amps		Element KW
				L1		
HI 3012 HI 3013	1	0.28A		L1	3.5A	0.7kW
HI 3022 HI 3023	2	0.56A		L1	6.5A	1.4kW
HI 3033	3	0.84A		L1	10A	2.1kW
HI 3043	4	1.12A		L1	13A	2.8kW
HI 3053	5	1.4A		L1	16A	3.5kW

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Heater Configuration	Element Amps		Element KW
				L1		
HI 3014	1	0.28A		L1	4.5A	0.95kW
HI 3024	2	0.56A		L1	9A	1.9kW
HI 3034	3	0.84A		L1	13A	2.85kW
HI 3044	4	1.12A		L1	17.5A	3.8kW
HI 3054	5	1.4A		L1	22A	4.75kW

HI 400 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

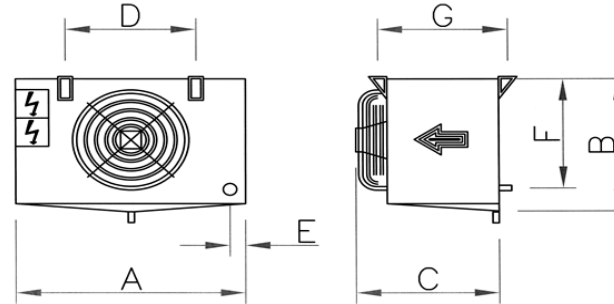
		4013 H/L	4014 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	6.50	7.70
	kcal/hr	5589	6620
	Btu/hr	22185	26280
Face Velocity	M/sec	2.9	2.6
Air Volume	M³/hr	2829	2566
Air Throw	M	16	15
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	1	1
Surface (HTA)	M²	12.09	16.12
Face Area	M²	0.270	0.270
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	2.4	3.2
Electric Defrost 220/240 Volt	kW	1.4	1.84
	L1 Amp	3.5	4.5
	L2 Amp	3.5	4.5
	L3 Amp	-	-
Suction Connection	ø	7/8"	7/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	32	34

		4013 -4L	4014 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	5.20	6.50
	kcal/hr	4471	5589
	Btu/hr	17748	22185
Face Velocity	M/sec	2.8	2.8
Air Volume	M³/hr	3023	2770
Air Throw	M	17	16
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	1	1
Surface (HTA)	M²	8.29	11.05
Face Area	M²	0.270	0.270
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	2.4	3.2
Electric Defrost 220/240 Volt	kW	1.4	1.84
	L1 Amp	3.5	4.5
	L2 Amp	3.5	4.5
	L3 Amp	-	-
Suction Connection	ø	7/8"	7/8"
Liquid Connection	ø	5/8"	5/8"
Hot Gas Defrost connection	ø	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	31	33

HI 1 FAN 12 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
4013
Fan quantity



A	B	C	D	E	F	G
890	505	480	605	85	430	410

HI 1 FAN 12 TUBE HALF INCH RANGE

HI 400 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

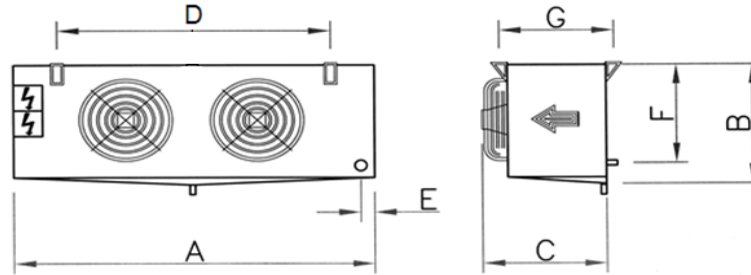
		4023 H/L	4024 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	11.90	15.60
	kcal/hr	10232	13413
	Btu/hr	40615	53243
Face Velocity	M/sec	2.9	2.6
Air Volume	M³/hr	5657	5132
Air Throw	M	16	15
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	2	2
Surface (HTA)	M²	24.18	32.24
Face Area	M²	0.540	0.540
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	4.8	6.4
Electric Defrost 220/240 Volt	kW	2.8	3.68
	L1 Amp	6.5	8.5
	L2 Amp	6.5	8.5
	L3 Amp	-	-
Suction Connection	ø	7/8"	1 1/8"
Liquid Connection	ø	5/8"	7/8"
Hot Gas Defrost connection	ø	5/8"	7/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	55	61

		4023 -4L	4024 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	10.20	13.10
	kcal/hr	8770	11263
	Btu/hr	34813	44710
Face Velocity	M/sec	2.8	2.8
Air Volume	M³/hr	6046	5540
Air Throw	M	17	16
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	2	2
Surface (HTA)	M²	16.57	22.10
Face Area	M²	0.540	0.540
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	4.8	6.4
Electric Defrost 220/240 Volt	kW	2.8	3.68
	L1 Amp	6.5	8.5
	L2 Amp	6.5	8.5
	L3 Amp	-	-
Suction Connection	ø	7/8"	1 1/8"
Liquid Connection	ø	5/8"	7/8"
Hot Gas Defrost connection	ø	5/8"	7/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	53	57

HI 2 FAN 12 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
4013
Fan quantity



A	B	C	D	E	F	G
1495	505	480	1205	85	430	410

HI 2 FAN 12 TUBE HALF INCH RANGE

HI 400 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

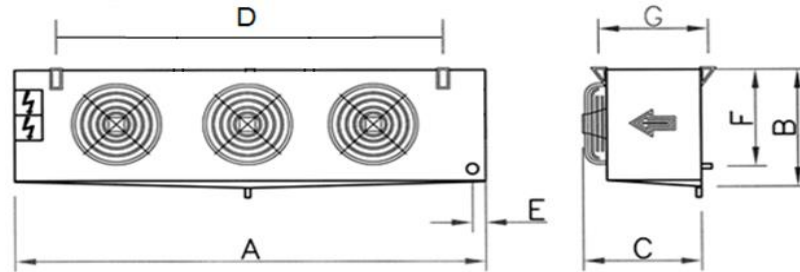
		4033 H/L	4034 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	19.70	23.50
	kcal/hr	16938	20205
	Btu/hr	67236	80206
Face Velocity	M/sec	2.9	2.6
Air Volume	M³/hr	8486	7698
Air Throw	M	16	15
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	3	3
Surface (HTA)	M²	36.27	48.36
Face Area	M²	0.810	0.810
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	7.2	9.6
Electric Defrost 220/240 Volt	kW	4.2	5.52
	L1 Amp	10	13
	L2 Amp	10	13
	L3 Amp	-	-
Suction Connection	ø	1 3/8"	1 3/8"
Liquid Connection	ø	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	79	86

		4033 -4L	4034 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1340	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	15.70	19.70
	kcal/hr	13499	16938
	Btu/hr	53584	67236
Face Velocity	M/sec	2.8	2.8
Air Volume	M³/hr	9069	8311
Air Throw	M	17	16
Fan Motor Power input (230/400V)	Watt ea.	160/135	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44	0.73/0.44
No of Fans	ø400mm	3	3
Surface (HTA)	M²	24.86	33.15
Face Area	M²	0.810	0.810
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	7.2	9.6
Electric Defrost 220/240 Volt	kW	4.2	5.52
	L1 Amp	10	13
	L2 Amp	10	13
	L3 Amp	-	-
Suction Connection	ø	1 3/8"	1 3/8"
Liquid Connection	ø	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"
Drain Connection O.D.	ø	1"	1"
Mass	Kg	76	81

HI 3 FAN 12 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Rows deep
4013
Fan quantity



A	B	C	D	E	F	G
2095	505	480	1805	85	430	410

HI 3 FAN 12 TUBE HALF INCH RANGE

HI 400 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

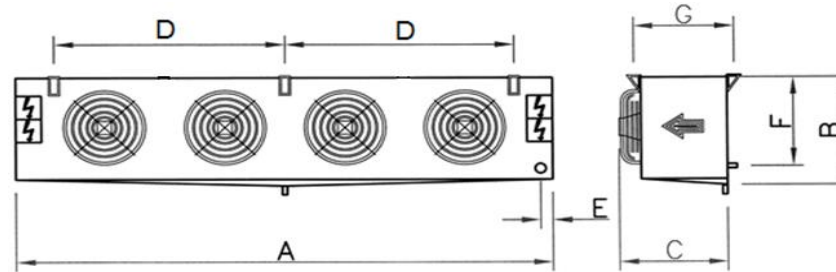
HI 4 FAN 12 TUBE HALF INCH RANGE

		4044 H/L
FAN MOTOR TYPE		380V (Δ)
Fan Speed	Rpm	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	30.30
	kcal/hr	26052
	Btu/hr	103414
Face Velocity	M/sec	2.6
Air Volume	M³/hr	10264
Air Throw	M	15
Fan Motor Power input (230/400V)	Watt ea.	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44
No of Fans	ø400mm	4
Surface (HTA)	M²	64.48
Face Area	M²	1.080
Fin-Spacing	mm	4.2
Expansion Valve		External
Tube Volume	Litre	12.8
Electric Defrost 220/240 Volt	kW	7.36
	L1 Amp	17
	L2 Amp	17
	L3 Amp	-
Suction Connection	ø	1 3/8"
Liquid Connection	ø	1 1/8"
Hot Gas Defrost connection	ø	1 1/8"
Drain Connection O.D.	ø	1"
Mass	Kg	112

		4044 -4L
FAN MOTOR TYPE		380V (Δ)
Fan Speed	Rpm	1340
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	26.00
	kcal/hr	22355
	Btu/hr	88738
Face Velocity	M/sec	2.8
Air Volume	M³/hr	11081
Air Throw	M	16
Fan Motor Power input (230/400V)	Watt ea.	160/135
Fan Motor Current draw (230/400V)	Amp ea.	0.73/0.44
No of Fans	ø400mm	4
Surface (HTA)	M²	44.19
Face Area	M²	1.080
Fin-Spacing	mm	6.35
Expansion Valve		External
Tube Volume	Litre	12.8
Electric Defrost 220/240 Volt	kW	7.36
	L1 Amp	17
	L2 Amp	17
	L3 Amp	-
Suction Connection	ø	1 3/8"
Liquid Connection	ø	1 1/8"
Hot Gas Defrost connection	ø	1 1/8"
Drain Connection O.D.	ø	1"
Mass	Kg	107

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

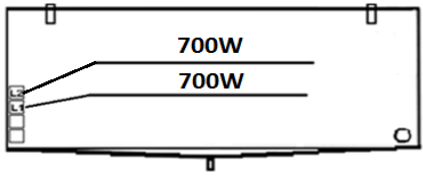
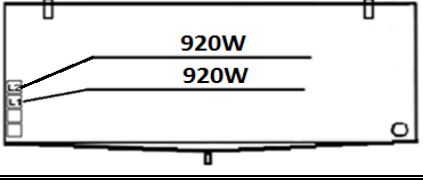
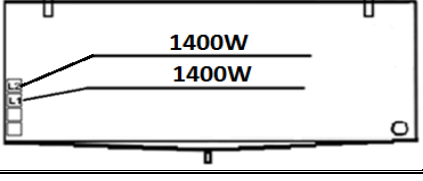
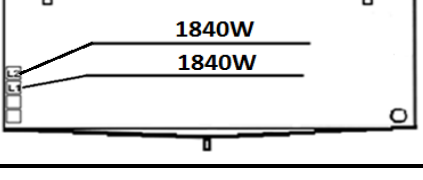
Fan size Rows deep
4013
Fan quantity



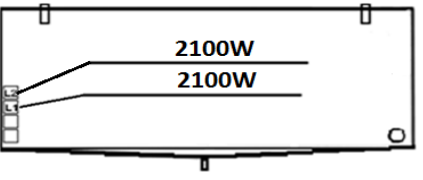
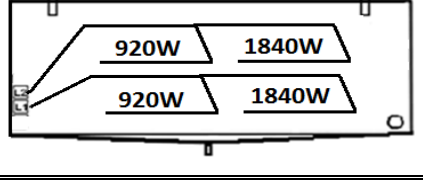
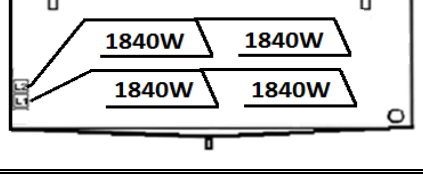
A	B	C	D	E	F	G
2695	505	480	1205	85	430	410

HI 4 FAN 12 TUBE HALF INCH RANGE

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Fan Amps 380V	Heater Configuration	Element Amps	Element KW
HI 4013	1	0.73A	0.44A		L1 L2 3.5A 3.5A	1.4kW
HI 4014	1	0.73A	0.44A		L1 L2 4.5A 4.5A	1.84kW
HI 4023	2	1.46A	0.88A		L1 L2 6.5A 6.5A	2.8kW
HI 4024	2	1.46A	0.88A		L1 L2 8.5A 8.5A	3.68kW

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Fan Amps 380V	Heater Configuration	Element Amps	Element KW
HI 4033	3	2.19A	1.32A		L1 L2 10A 10A	4.2kW
HI 4034	3	2.19A	1.32A		L1 L2 13A 13A	5.52kW
HI 4044	4	2.92A	1.76A		L1 L2 17A 17A	7.36kW

HI 500 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

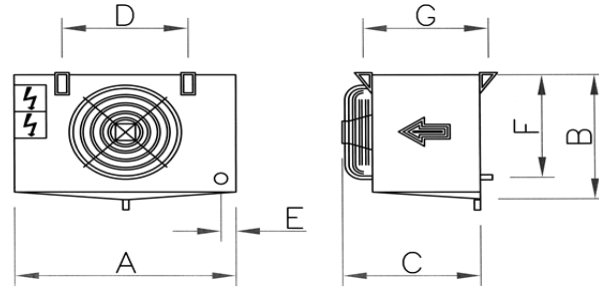
		5163 H/L	5164 H/L	5193 H/L	5194 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	12.80	15.50	17.10	21.20
	kcal/hr	11005	13327	14703	18228
	Btu/hr	43686	52902	58362	72356
Face Velocity	M/sec	3.9	3.4	3.0	2.8
Air Volume	M³/hr	6670	5873	7727	7324
Air Throw	M	25	24	25	24
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	1	1	1	1
Surface (HTA)	M²	22.00	29.00	32.00	43.00
Face Area	M²	0.480	0.480	0.720	0.720
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		External	External	External	External
Tube Volume	Litre	4.3	5.7	6.4	8.5
Electric Defrost 220/240 Volt	kW	2.8	3.8	4.2	5.7
	L1 Amp	6.5	8.75	6.5	8.75
	L2 Amp	6.5	8.75	6.5	8.75
	L3 Amp	-	-	6.5	8.75
Suction Connection	ø	1 1/8"	1 1/8"	1 3/8"	1 3/8"
Liquid Connection	ø	7/8"	7/8"	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	7/8"	7/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	56	62	80	92

		5163 -4L	5164 -4L	5193 -4L	5194 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	10.30	13.20	13.70	17.60
	kcal/hr	8856	11349	11779	15132
	Btu/hr	35154	45052	46758	60069
Face Velocity	M/sec	4.1	3.8	3.1	3.0
Air Volume	M³/hr	7089	6561	8004	7652
Air Throw	M	27	26	27	26
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	1	1	1	1
Surface (HTA)	M²	15.00	20.00	22.00	30.00
Face Area	M²	0.480	0.480	0.720	0.720
Fin-Spacing	mm	6.35	6.35	6.35	6.35
Expansion Valve		External	External	External	External
Tube Volume	Litre	4.3	5.7	6.4	8.5
Electric Defrost 220/240 Volt	kW	2.8	3.8	4.2	5.7
	L1 Amp	6.5	8.75	6.5	8.75
	L2 Amp	6.5	8.75	6.5	8.75
	L3 Amp	-	-	6.5	8.75
Suction Connection	ø	1 1/8"	1 1/8"	1 3/8"	1 3/8"
Liquid Connection	ø	7/8"	7/8"	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	7/8"	7/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	50	54	74	81

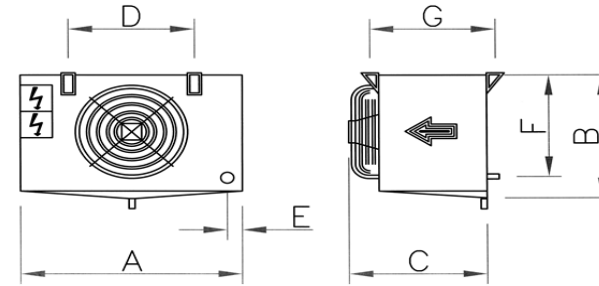
HI 2 FAN 16 & 24 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Coil height
5163
Fan quantity Rows deep



HI 5163	A	B	C	D	E	F	G
HI 5164	1140	660	600	805	140	580	510



HI 5193	A	B	C	D	E	F	G
HI 5194	1140	1000	600	805	140	890	510

HI 2 FAN 16 & 24 TUBE HALF INCH RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HI 500 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

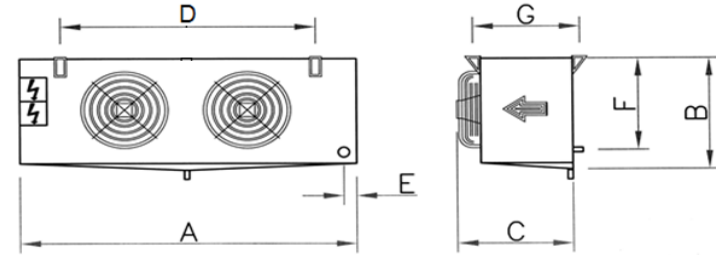
		5263 H/L	5264 H/L	5293 H/L	5294 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	25.80	31.30	34.30	42.80
	kcal/hr	22183	26912	29491	36799
	Btu/hr	88055	106827	117066	146076
Face Velocity	M/sec	3.9	3.4	3.0	2.8
Air Volume	M³/hr	13348	11746	15454	14648
Air Throw	M	25	24	25	24
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	2	2	2	2
Surface (HTA)	M²	43.00	57.00	65.00	86.00
Face Area	M²	0.960	0.960	1.440	1.440
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		External	External	External	External
Tube Volume	Litre	8.5	11.4	12.8	17
Electric Defrost 220/240 Volt	kW	5.6	7.6	8.4	11.4
	L1 Amp	13	17.5	13	17.5
	L2 Amp	13	17.5	13	17.5
	L3 Amp	-	-	13	17.5
	Suction Connection	ø	1 5/8"	1 5/8"	2 1/8"
Liquid Connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	98	109	145	168

		5263 -4L	5264 -4L	5293 -4L	5294 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	20.80	26.70	27.40	35.40
	kcal/hr	17884	22957	23559	30437
	Btu/hr	70990	91127	93516	120820
Face Velocity	M/sec	4.1	3.8	3.1	3.0
Air Volume	M³/hr	14188	13131	16008	15303
Air Throw	M	27	26	27	26
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	2	2	2	2
Surface (HTA)	M²	30.00	40.00	45.00	59.00
Face Area	M²	0.960	0.960	1.440	1.440
Fin-Spacing	mm	6.35	6.35	6.35	6.35
Expansion Valve		External	External	External	External
Tube Volume	Litre	8.5	11.4	12.8	17
Electric Defrost 220/240 Volt	kW	5.6	7.6	8.4	11.4
	L1 Amp	13	17.5	13	17.5
	L2 Amp	13	17.5	13	17.5
	L3 Amp	-	-	13	17.5
	Suction Connection	ø	1 5/8"	1 5/8"	2 1/8"
Liquid Connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	89	97	127	143

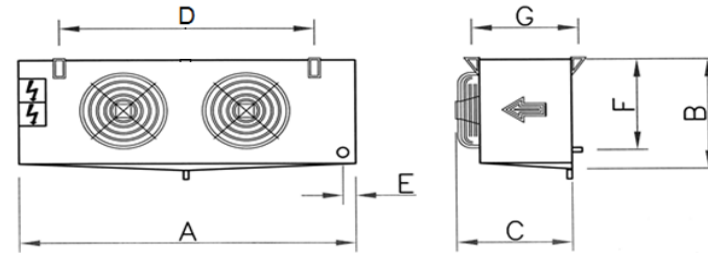
HI 2 FAN 16 & 24 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Coil height
5163
Fan quantity Rows deep



HI 5263	A	B	C	D	E	F	G
HI 5264	1940	660	600	1605	140	580	510



HI 5293	A	B	C	D	E	F	G
HI 5294	1940	1000	600	1605	140	890	510

HI 2 FAN 16 & 24 TUBE HALF INCH RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HI 500 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

		5363 H/L	5364 H/L	5393 H/L	5394 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	39.90	44.90	53.50	62.20
	kcal/hr	34306	38605	45999	53480
	Btu/hr	136179	153244	182596	212289
Face Velocity	M/sec	3.9	3.4	3.0	2.8
Air Volume	M³/hr	19973	17569	23156	21948
Air Throw	M	25	24	25	24
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	3	3	3	3
Surface (HTA)	M²	65.00	86.00	97.00	129.00
Face Area	M²	1.440	1.440	2.160	2.160
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		External	External	External	External
Tube Volume	Litre	12.8	17.1	19.2	25.6
Electric Defrost 220/240 Volt	kW	8.4	11.4	12.6	17.1
	L1 Amp	19.5	26.25	19.5	26.25
	L2 Amp	19.5	26.25	19.5	26.25
	L3 Amp	-	-	19.5	26.25
Suction Connection	ø	1 5/8"	1 5/8"	2 1/8"	2 1/8"
Liquid Connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	140	156	210	244

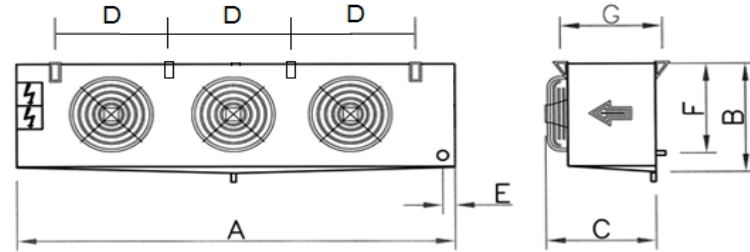
		5363 -4L	5364 -4L	5393 -4L	5394 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	32.80	39.40	43.50	53.00
	kcal/hr	28201	33876	37401	45569
	Btu/hr	111946	134472	148466	180889
Face Velocity	M/sec	4.1	3.8	3.1	3.0
Air Volume	M³/hr	21218	19658	23987	22942
Air Throw	M	27	26	27	26
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41	3/1.41	3/1.41
No of Fans	ø500mm	3	3	3	3
Surface (HTA)	M²	45.00	59.00	67.00	89.00
Face Area	M²	1.440	1.440	2.160	2.160
Fin-Spacing	mm	6.35	6.35	6.35	6.35
Expansion Valve		External	External	External	External
Tube Volume	Litre	12.8	17.1	19.2	25.6
Electric Defrost 220/240 Volt	kW	8.4	11.4	12.6	17.1
	L1 Amp	19.5	26.25	19.5	26.25
	L2 Amp	19.5	26.25	19.5	26.25
	L3 Amp	-	-	19.5	26.25
Suction Connection	ø	1 5/8"	1 5/8"	2 1/8"	2 1/8"
Liquid Connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	7/8"	7/8"	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm	40mm	40mm
Mass	Kg	128	140	180	205

HI 3 FAN 16 & 24 TUBE HALF INCH RANGE

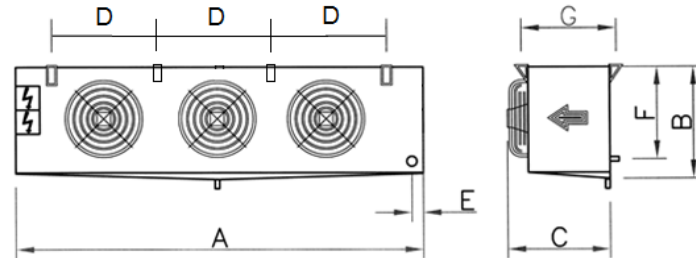
WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Coil height
5163
Fan quantity Rows deep



HI 5363	A	B	C	D	E	F	G
HI 5364	2740	660	600	800	140	580	510



HI 5393	A	B	C	D	E	F	G
HI 5394	2740	1000	600	800	140	890	510

HI 3 FAN 16 & 24 TUBE HALF INCH RANGE

HI 500 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

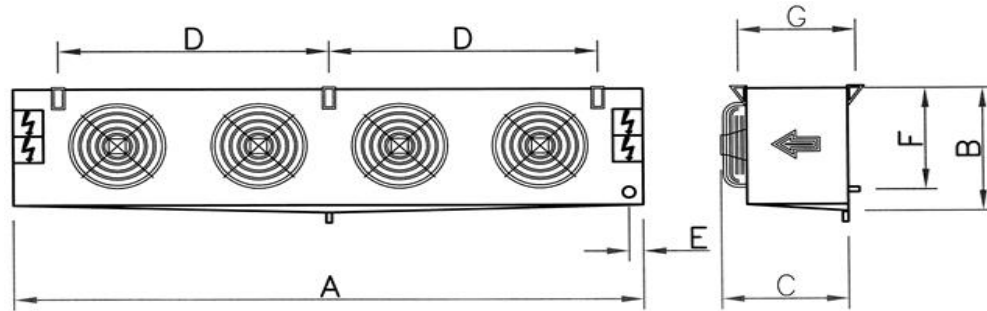
		5493 H/L	5494 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	68.26	86.02
	kcal/hr	58686	73962
	Btu/hr	232956	293594
Face Velocity	M/sec	3.0	2.8
Air Volume	M³/hr	30841	29314
Air Throw	M	25	24
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	4	4
Surface (HTA)	M²	129.00	172.00
Face Area	M²	2.880	2.880
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	25.6	34.1
Electric Defrost 220/240 Volt	kW	16.8	22.8
	L1 Amp	26	35
	L2 Amp	26	35
	L3 Amp	26	35
Suction Connection	ø	2 1/8"	2 5/8"
Liquid Connection	ø	1 1/8"	1 3/8"
Hot Gas Defrost connection	ø	1 1/8"	1 3/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	275	320

		5493 -4L	5494 -4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TDi R404A	kW	57.13	71.11
	kcal/hr	49123	61141
	Btu/hr	194996	242702
Face Velocity	M/sec	3.1	3.0
Air Volume	M³/hr	31965	30623
Air Throw	M	27	26
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	4	4
Surface (HTA)	M²	86.00	118.00
Face Area	M²	2.880	2.880
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	25.6	34.1
Electric Defrost 220/240 Volt	kW	16.8	22.8
	L1 Amp	26	35
	L2 Amp	26	35
	L3 Amp	26	35
Suction Connection	ø	2 1/8"	2 5/8"
Liquid Connection	ø	1 1/8"	1 3/8"
Hot Gas Defrost connection	ø	1 1/8"	1 3/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	233	267

HI 3 FAN 16 & 24 TUBE HALF INCH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil

Fan size Coil height
5163
Fan quantity Rows deep



	A	B	C	D	E	F	G
HI 5393	3540	1000	600	1600	140	890	510
HI 5394							

HI 3 FAN 16 & 24 TUBE HALF INCH RANGE

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Fan Amps 400V	Heater Configuration	Element Amps	Element KW
HI 5163	1	3A	1.41A		L1 6.5A L2 6.5A	2.8kW
HI 5164	1	3A	1.41A		L1 8.75A L2 8.75A	3.8kW
HI 5263	2	6A	2.82A		L1 13A L2 13A	5.6kW
HI 5264	2	6A	2.82A		L1 17.5A L2 17.5A	7.6kW
HI 5363	3	9A	4.23A		L1 19.5A L2 19.5A	8.4kW
HI 5364	3	9A	4.23A		L1 26.25A L2 26.25A	11.4kW

HI SERIES - FAN AND ELEMENT DATA

HI Model	No of Fans	Fan Amps 230V	Fan Amps 400V	Heater Configuration	Element Amps	Element KW
HI 5193	1	3A	1.41A		L1 6.5A L2 6.5A L3 6.5A	4.2kW
HI 5194	1	3A	1.41A		L1 8.75A L2 8.75A L3 8.75A	5.7kW
HI 5293	2	6A	2.82A		L1 13A L2 13A L3 13A	8.4kW
HI 5294	2	6A	2.82A		L1 17.5A L2 17.5A L3 17.5A	11.4kW
HI 5393	3	9A	4.23A		L1 19.5A L2 19.5A L3 19.5A	12.6kW
HI 5394	3	9A	4.23A		L1 26.25A L2 26.25A L3 26.25A	17.1kW
HI 5493	4	12A	5.64A		L1 26A L2 26A L3 26A	16.8kW
HI 5494	4	12A	5.64A		L1 35A L2 35A L3 35A	22.8kW



RE SERIES



Sheet metal panels are fully powder coated for improved corrosion resistance.

Stainless steel drain nipples.

Spirals are inserted in the 5/8" tubing to improve efficiency.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Various anti-corrosion options available.

Aluminum Side plates to reduce tube contact damage.

RE SERIES

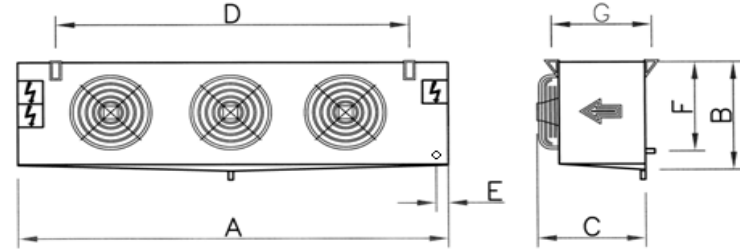
H: +10°C to +1°C
L: +1°C to -30°C

		1261 H/L	1350 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	50.50	61.60
	kcal/hr	43420	52964
	Btu/hr	172357	210241
Face Velocity	M/sec	4.7	4.6
Air Volume	M³/hr	28705	27440
Air Throw	M	25	25
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	3	3
Surface (HTA)	M²	192.60	230.00
Face Area	M²	1.711	1.711
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	32	38
Electric Defrost 220/240 Volt	kW	17	21.9
	L1 Amp	28	43
	L2 Amp	25	29
	L3 Amp	25	29
Suction Connection	ø	2 1/8"	2 5/8"
Liquid Connection	ø	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	177	192

		1261-4L	1350-4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1350	1350
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	33.50	40.72
	kcal/hr	28803	35011
	Btu/hr	114336	138977
Face Velocity	M/sec	4.7	4.6
Air Volume	M³/hr	28705	27440
Air Throw	M	25	25
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	3	3
Surface (HTA)	M²	127.80	152.00
Face Area	M²	1.711	1.711
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	32	38
Electric Defrost 220/240 Volt	kW	17	21.9
	L1 Amp	28	43
	L2 Amp	25	29
	L3 Amp	25	29
Suction Connection	ø	2 1/8"	2 5/8"
Liquid Connection	ø	7/8"	7/8"
Hot Gas Defrost connection	ø	7/8"	7/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	177	192

RE 3 FAN 18 TUBES HIGH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



A	B	C	D	E	F	G
2160	955	660	1830	100	880	590

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

By using refrigerant other than R22 apply the following correction factor: (kW/CR)

Evaporation Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

REFRIGERANT MASS: Approx. 25% Volume of Tubes x Specific Mass of Liquid Refrigerant

RE 3 FAN 18 TUBES HIGH RANGE

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RE SERIES

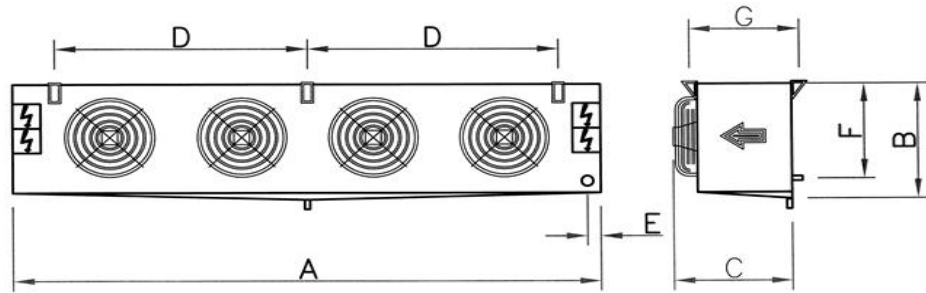
H: +10°C to +1°C
L: +1°C to -30°C

		1513 H/L
FAN MOTOR TYPE		380V (Δ)
Fan Speed	Rpm	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	60.60
	kcal/hr	52104
	Btu/hr	206828
Face Velocity	M/sec	6.2
Air Volume	M³/hr	33958
Air Throw	M	25
Fan Motor Power input (230/400V)	Watt ea.	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41
No of Fans	ø500mm	4
Surface (HTA)	M²	205.92
Face Area	M²	1.531
Fin-Spacing	mm	4.2
Expansion Valve		External
Tube Volume	Litre	33
Electric Defrost 220/240 Volt	kW	20.2
	L1 Amp	33.5
	L2 Amp	29
	L3 Amp	30
Suction Connection	ø	2 1/8"
Liquid Connection	ø	7/8"
Hot Gas Defrost connection	ø	7/8"
Drain Connection O.D.	ø	40mm
Mass	Kg	183

		1513-4L
FAN MOTOR TYPE		380V (Δ)
Fan Speed	Rpm	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	40.10
	kcal/hr	34478
	Btu/hr	136861
Face Velocity	M/sec	6.2
Air Volume	M³/hr	33958
Air Throw	M	25
Fan Motor Power input (230/400V)	Watt ea.	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41
No of Fans	ø500mm	4
Surface (HTA)	M²	136.44
Face Area	M²	1.531
Fin-Spacing	mm	6.35
Expansion Valve		External
Tube Volume	Litre	33
Electric Defrost 220/240 Volt	kW	20.2
	L1 Amp	33.5
	L2 Amp	29
	L3 Amp	30
Suction Connection	ø	2 1/8"
Liquid Connection	ø	7/8"
Hot Gas Defrost connection	ø	7/8"
Drain Connection O.D.	ø	40mm
Mass	Kg	183

RE 4 FAN 12 TUBES HIGH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



A	B	C	D	E	F	G
2830	650	660	1220/1220	140	575	590

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

By using refrigerant other than R22 apply the following correction factor: (kW/CR)

Evaporation Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

REFRIGERANT MASS: Approx. 25% Volume of Tubes x Specific Mass of Liquid Refrigerant

RE 4 FAN 12 TUBES HIGH RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

RE SERIES

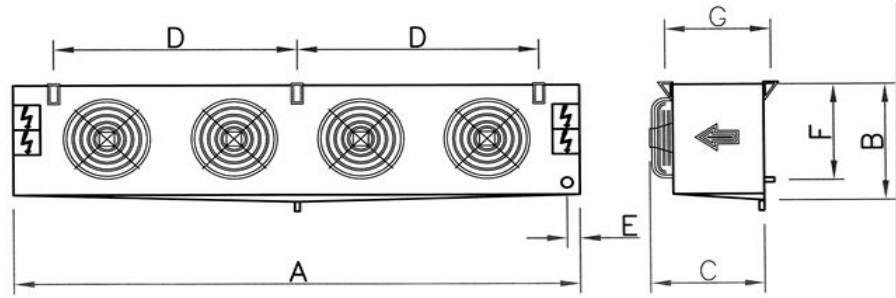
H: +10°C to +1°C
L: +1°C to -30°C

		1629 H/L	1965 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	69.00	74.20
	kcal/hr	59326	63797
	Btu/hr	235497	253245
Face Velocity	M/sec	4.6	4.2
Air Volume	M³/hr	38266	34307
Air Throw	M	25	25
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	4	4
Surface (HTA)	M²	257.40	308.88
Face Area	M²	2,291	2,291
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	42	49.5
Electric Defrost 220/240 Volt	kW	22.3	28.7
	L1 Amp	35	43
	L2 Amp	33	38
	L3 Amp	35	49
Suction Connection	ø	2 5/8"	2 5/8"
Liquid Connection	ø	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	220	241

		1629-4L	1965-4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	44.30	49.10
	kcal/hr	38089	42216
	Btu/hr	151196	167578
Face Velocity	M/sec	4.6	4.2
Air Volume	M³/hr	38266	34307
Air Throw	M	25	25
Fan Motor Power input (230/400V)	Watt ea.	680/720	680/720
Fan Motor Current draw (230/400V)	Amp ea.	3/1.41	3/1.41
No of Fans	ø500mm	4	4
Surface (HTA)	M²	170.55	204.66
Face Area	M²	2,291	2,291
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	42	49.5
Electric Defrost 220/240 Volt	kW	22.3	28.7
	L1 Amp	35	43
	L2 Amp	33	38
	L3 Amp	35	49
Suction Connection	ø	2 5/8"	2 5/8"
Liquid Connection	ø	1 1/8"	1 1/8"
Hot Gas Defrost connection	ø	1 1/8"	1 1/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	220	241

RE 4 FAN 18 TUBES HIGH RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



A	B	C	D	E	F	G
2830	955	660	1220/1220	140	880	590

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

By using refrigerant other than R22 apply the following correction factor: (kW/CR)

Evaporation Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

REFRIGERANT MASS: Approx. 25% Volume of Tubes x Specific Mass of Liquid Refrigerant

RE 4 FAN 18 TUBES HIGH RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

RE SERIES

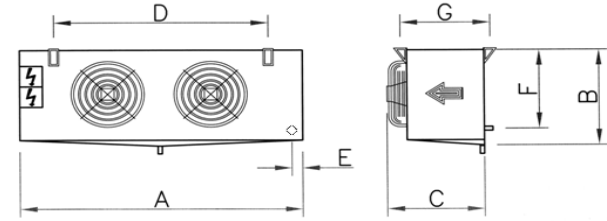
H: +10°C to +1°C
L: +1°C to -30°C

		6328 H/L	6338 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1320	1320
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	72.60	101.60
	kcal/hr	62421	87359
	Btu/hr	247784	346774
Face Velocity	M/sec	4.4	4.5
Air Volume	M³/hr	25369	35225
Air Throw	M	25	25
Fan Motor Power input (400V)	Watt ea.	2630	2630
Fan Motor Current draw (400V)	Amp ea.	4.78	4.78
No of Fans	ø630mm	2	3
Surface (HTA)	M²	297.00	396.08
Face Area	M²	1.620	2.160
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	45.9	61.2
Electric Defrost 220/240 Volt	kW	18	27
	L1 Amp	26	40
	L2 Amp	26	40
	L3 Amp	26	40
Suction Connection	ø	2 5/8"	2 5/8"
Liquid Connection	ø	7/8"	1 3/8"
Hot Gas Defrost connection	ø	7/8"	1 3/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	307	405

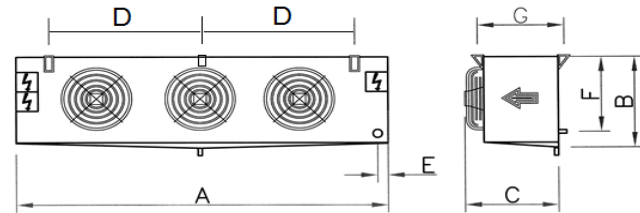
		6328-4L	6338-4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)
Fan Speed	Rpm	1320	1320
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	57.64	79.94
	kcal/hr	49559	68732
	Btu/hr	196725	272835
Face Velocity	M/sec	4.6	4.9
Air Volume	M³/hr	26827	38025
Air Throw	M	25	25
Fan Motor Power input (400V)	Watt ea.	2630	2630
Fan Motor Current draw (400V)	Amp ea.	4.78	4.78
No of Fans	ø630mm	2	3
Surface (HTA)	M²	200.86	267.81
Face Area	M²	1.620	2.160
Fin-Spacing	mm	6.35	6.35
Expansion Valve		External	External
Tube Volume	Litre	45.9	61.2
Electric Defrost 220/240 Volt	kW	18	27
	L1 Amp	26	40
	L2 Amp	26	40
	L3 Amp	26	40
Suction Connection	ø	2 5/8"	2 5/8"
Liquid Connection	ø	7/8"	1 3/8"
Hot Gas Defrost connection	ø	7/8"	1 3/8"
Drain Connection O.D.	ø	40mm	40mm
Mass	Kg	322	427

RE 630mm FAN RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



A	B	C	D	E	F	G
2160	955	660	1830	100	880	590



A	B	C	D	E	F	G
2830	955	660	1220/1220	140	880	590

RE 630mm FAN RANGE

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

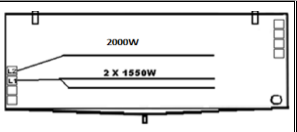
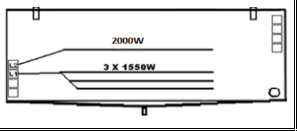
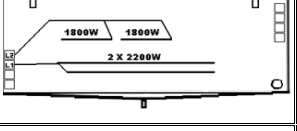
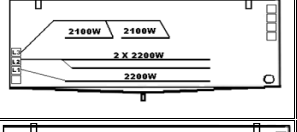
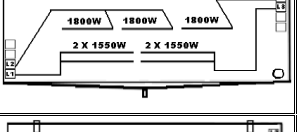
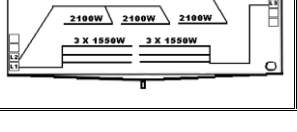
By using refrigerant other than R22 apply the following correction factor: (kW/CR)

Evaporation Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

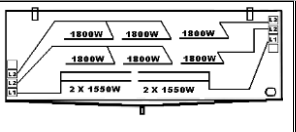
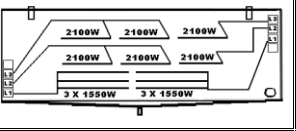
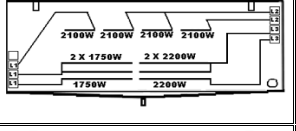
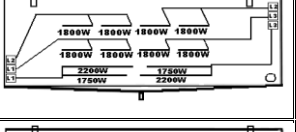
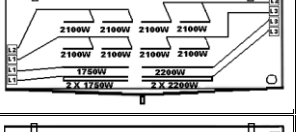
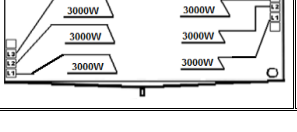
REFRIGERANT MASS: Approx. 25% Volume of Tubes x Specific Mass of Liquid Refrigerant

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

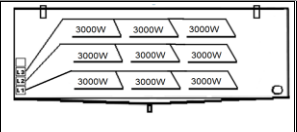
RE SERIES - FAN AND ELEMENT DATA

RE Model	No of Fans	Fan Amps 220V	Fan Amps 380V	Heater Configuration	Element Amps	Element KW
293 325	1	3.0A	1.41A		L1 L2 14A 9A	5.1kW
399	1	3.0A	1.41A		L1 L2 21A 9A	6.65kW
392 511 623	2	6.0A	2.82A		L1 L2 20A 16.5A	8.0kW
750	2	6.0A	2.82A		L1 L2 L3 10A 20A 19A	10.8kW
743 918	3	9.0A	4.23A		L1 L2 L3 14A 25A 14A	11.6kW
1164	3	9.0A	4.23A		L1 L2 L3 21A 29A 21A	15.6kW

RE SERIES - FAN AND ELEMENT DATA

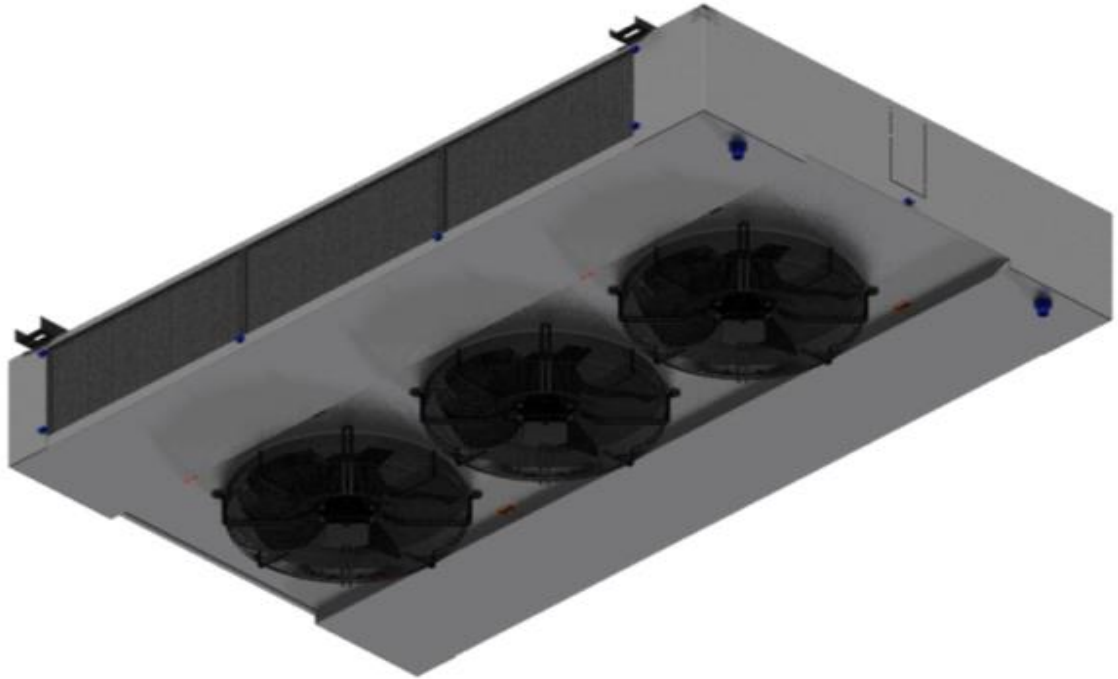
RE Model	No of Fans	Fan Amps 220V	Fan Amps 380V	Heater Configuration	Element Amps	Element KW
1261	3	9.0A	4.23A		L1 L2 L3 28A 25A 25A	17kW
1350	3	9.0A	4.23A		L1 L2 L3 43A 29A 29A	21.9kW
1513	4	12.0A	5.64A		L1 L2 L3 33.5A 29A 30A	20.3kW
1629	4	12.0A	5.64A		L1 L2 L3 35A 33A 35A	22.3kW
1965	4	12.0A	5.64A		L1 L2 L3 43A 38A 49A	28.7kW
6328	2		9.56A		L1 L2 L3 26A 26A 26A	18kW

RE SERIES - FAN AND ELEMENT DATA

RE Model	No of Fans	Fan Amps 220V	Fan Amps 380V	Heater Configuration	Element Amps	Element KW
6338	3		14.34A		L1 L2 L3 40A 40A 40A	27kW



SL DUAL DISCHARGE SERIES



Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Spirals are inserted in the 5/8" tubing to improve efficiency.

Compact design to take up less space.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Aluminum Side plates to reduce tube contact damage.

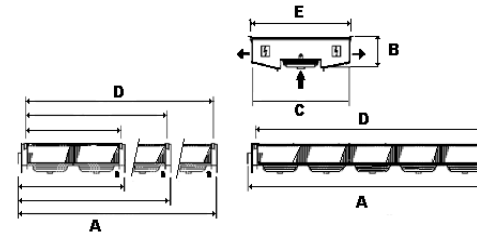
SL SERIES

H: +10°C to +1°C
L: +1°C to -30°C

		133 H/L	210 H/L	280 H/L	341 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	5.43	7.98	10.40	13.90
	kcal/hr	4669	6861	8942	11951
	Btu/hr	18533	27236	35495	47441
Face Velocity	M/sec	2.5	2.5	2.5	2.5
Air Volume	M³/hr	2597	3780	4932	6588
Air Throw	M	5	5	5	5
Fan Motor Power input	Watt ea.	90	90	90	90
Fan Motor Current draw	Amp ea.	0.62	0.62	0.62	0.62
No of Fans	ø300mm	2	3	4	5
Surface (HTA)	M²	27.04	40.00	52.16	69.68
Face Area	M²	0.284	0.420	0.548	0.732
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		External	External	External	External
Tube Volume	Litre	4	6	8	11
Electric Defrost 220/240 Volt	kW	6.2	7	8.8	12.4
	L1 Amp	14	16	20	28
	L2 Amp	14	16	20	28
	L3 Amp	-	-	-	-
Suction Connection	ø	7/8"	1 1/8"	1 1/8"	1 1/8"
Liquid Connection	ø	1/2"	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	2 x 1"	2 x 1"	2 x 1"	2 x 1"
Mass	Kg	41	55	76	100

SL DUEL DISCHARGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



	133	210	280	341
A	995	1365	1725	2120
B	255	255	255	255
C	880	880	880	880
D	715	1065	1460	725 / 1120
E	920	920	920	920

SL DUEL DISCHARGE

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

By using refrigerant other than R22 apply the following correction factor: (kW/CR)

Evaporating Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

SL SERIES - FAN AND ELEMENT DATA

SL Model	No of Fans	Fan Amperage 220V	Heater Configuration	Element Amperage		Element KW
133	2	1.24		L1 L2	14A 14A	6.2kW
210	3	1.86		L1 L2	16A 16A	7kW
280	4	2.48		L1 L2	20A 20A	8.8kW
341	5	3.1		L1 L2	28A 28A	12kW

SL SERIES

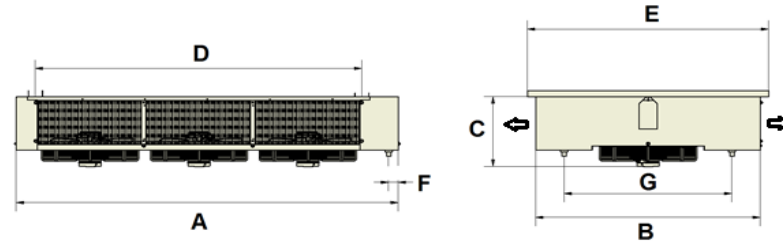
H: +10°C to +1°C
L: +1°C to -30°C

		743 H/L	918 H/L	1164 H/L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	30.44	35.70	43.10
	kcal/hr	26172	30695	37057
	Btu/hr	103892	121844	147100
Face Velocity	M/sec	6.9	6.5	6.3
Air Volume	M³/hr	28264	26432	25454
Air Throw	M	15	14	13
Fan Motor Power input	Watt ea.	820	820	820
Fan Motor Current draw	Amp ea.	1.50	1.50	1.50
No of Fans	ø500mm	3	3	3
Surface (HTA)	M²	101.52	126.90	152.28
Face Area	M²	1.131	1.131	1.131
Fin-Spacing	mm	4.2	4.2	4.2
Expansion Valve		External	External	External
Tube Volume	Litre	16.8	21	25
Block 1 Defrost 220/240 Volt Electric	kW	6	6	12
	L1 Amp	14	14	26
	L2 Amp	14	14	26
	L3 Amp	-	-	-
Block 2 Defrost 220/240 Volt Electric	kW	6	6	12
	L1 Amp	14	14	26
	L2 Amp	14	14	26
	L3 Amp	-	-	-
Suction Connection	ø	1 1/8"	1 1/8"	1 1/8"
Liquid Connection	ø	1/2"	1/2"	1/2"
Drain Connection - BSP	ø	1"	1"	1"
Mass	Kg	127	140	145

		743-4L	918-4L	1164-4L
FAN MOTOR TYPE		380V (Δ)	380V (Δ)	380V (Δ)
Fan Speed	Rpm	1390	1390	1390
Nominal Capacity at 0°C Evaporation Temperature 10K TD R22	kW	19.47	23.90	28.60
	kcal/hr	16740	20549	24590
	Btu/hr	66451	81571	97612
Face Velocity	M/sec	6.9	6.5	6.3
Air Volume	M³/hr	28264	26432	25454
Air Throw	M	16	15	14
Fan Motor Power input	Watt ea.	820	820	820
Fan Motor Current draw	Amp ea.	1.50	1.50	1.50
No of Fans	ø500mm	3	3	3
Surface (HTA)	M²	67.44	84.30	101.16
Face Area	M²	1.131	1.131	1.131
Fin-Spacing	mm	6.35	6.35	6.35
Expansion Valve		External	External	External
Tube Volume	Litre	16.8	21	25
Block 1 Defrost 220/240 Volt Electric	kW	6	6	12
	L1 Amp	14	14	26
	L2 Amp	14	14	26
	L3 Amp	-	-	-
Block 2 Defrost 220/240 Volt Electric	kW	6	6	12
	L1 Amp	14	14	26
	L2 Amp	14	14	26
	L3 Amp	-	-	-
Suction Connection	ø	1 1/8"	1 1/8"	1 1/8"
Liquid Connection	ø	1/2"	1/2"	1/2"
Drain Connection BSP	ø	1"	1"	1"
Mass	Kg	127	140	145

SL 500mm 3 FAN RANGE

Do not install less than 500mm from wall
Flush Ceiling Mount



A	B	C	D	E	F	G
2140	1260	420	1830	1350	55	940

MULTIPLY CORRECTION FACTOR - R22

Evaporating Temperature °C TD	-35°	-30°	-25°	-20°	-15°	-10°	-5°	0°	5°
5K	0.45	0.48	0.50	0.51	0.52	0.53	0.54	0.55	0.70
6	0.54	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.79
7	0.63	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.88
8	0.72	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.97
9	0.81	0.84	0.86	0.87	0.88	0.89	0.90	0.91	1.06
10	0.90	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.15

By using refrigerant other than R22 apply the following correction factor: (kW/CR)

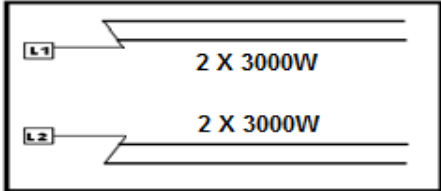
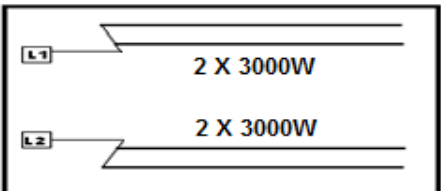
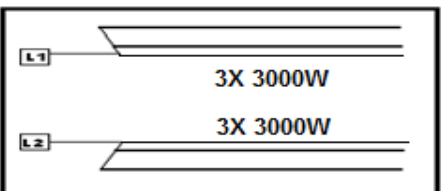
Evaporation Temperature (°C)	-10°	-15°	-20°	-25°	-35°
R134a	1.00	0.95	0.92	0.90	-
R404a	1.00	0.96	0.94	0.91	0.90

REFRIGERANT MASS: Approx. 25% Volume of Tubes x Specific Mass of Liquid Refrigerant

SL 500mm 3 FAN RANGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

SL SERIES - FAN AND ELEMENT DATA

SL Model	No of Fans	Fan Amperage 220V	Fan Amperage 380V	Heater Configuration	Element Amperage		Element KW
743	3	4.23A	2.85A		L1 L2	27A 27A	12 kW
918	3	4.23A	2.85A		L1 L2	27A 27A	12 kW
1164	3	4.23A	2.85A		L1 L2	41A 41A	18 kW

ST, CT250, MC CORRECTION FACTOR TABLES

R404A R507A

TD	EVAPORATING TEMPERATURE									
	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.31	0.31	0.32	0.32	0.33	0.33	0.36	0.39	0.41	0.42
6	0.40	0.41	0.41	0.42	0.43	0.44	0.47	0.50	0.54	0.56
7	0.48	0.49	0.50	0.51	0.52	0.54	0.59	0.62	0.67	0.71
8	0.56	0.57	0.58	0.58	0.61	0.64	0.69	0.75	0.81	0.87
9	0.63	0.65	0.65	0.66	0.69	0.75	0.81	0.87	0.95	1.02
10	0.70	0.72	0.73	0.74	0.77	0.84	0.91	1.00	1.09	1.19
11								1.13	1.24	1.35
12								1.26	1.39	1.51

R134A

TD	EVAPORATING TEMPERATURE									
	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
5	0.27	0.28	0.29	0.30	0.30	0.35	0.36	0.38	0.39	0.39
6	0.35	0.37	0.39	0.42	0.45	0.51	0.52	0.55	0.57	0.59
7	0.43	0.45	0.49	0.54	0.58	0.63	0.67	0.71	0.76	0.80
8	0.50	0.52	0.58	0.64	0.69	0.76	0.82	0.87	0.94	1.01
9	0.57	0.61	0.67	0.74	0.81	0.89	0.96	1.04	1.12	1.22
10	0.63	0.69	0.76	0.84	0.93	1.01	1.10	1.20	1.31	1.43
11								1.36	1.49	1.64
12								1.52	1.68	1.85

R407C

TD	EVAPORATING TEMPERATURE									
	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	
5	-	0.53	0.54	0.55	0.57	0.62	0.67	0.71	0.75	0.79
6	-	0.61	0.63	0.63	0.67	0.73	0.79	0.85	0.90	0.96
7	-	0.69	0.70	0.72	0.78	0.84	0.91	0.99	1.05	1.13
8	-	0.76	0.78	0.82	0.88	0.96	1.03	1.12	1.21	1.31
9	-	0.83	0.86	0.91	0.99	1.08	1.16	1.27	1.37	1.48
10	-	0.90	0.94	1.01	1.11	1.20	1.29	1.41	1.53	1.66
11								1.55	1.69	1.85
12								1.70	1.85	2.03

R407F

TD	EVAPORATING TEMPERATURE									
	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C
5	0.51	0.52	0.53	0.54	0.54	0.56	0.61	0.65	0.70	0.73
6	0.59	0.61	0.62	0.62	0.62	0.67	0.72	0.77	0.83	0.88
7	0.65	0.68	0.69	0.70	0.72	0.77	0.84	0.90	0.97	1.04
8	0.72	0.75	0.77	0.78	0.82	0.88	0.95	1.02	1.12	1.20
9	0.79	0.82	0.84	0.86	0.91	0.99	1.07	1.15	1.26	1.36
10	0.85	0.89	0.92	0.95	1.02	1.09	1.18	1.29	1.41	1.52
11								1.42	1.55	1.69
12								1.55	1.70	1.86

HI CORRECTION FACTORS



ST DUAL DISCHARGE SERIES



Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Compact design to take up less space.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Aluminum Side plates to reduce tube contact damage.

ST SERIES

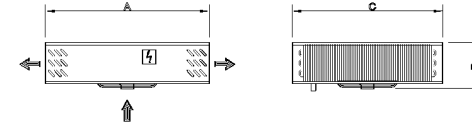
H: +10°C to +1°C
L: +1°C to -30°C

		9 H/L	15 H/L	18 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	0.45	0.67	0.90
	kcal/hr	387	576	774
	Btu/hr	1536	2287	3072
Face Velocity	M/sec	2.3	2.3	2.2
Air Volume	M³/hr	464	464	444
Air Throw	M	3	3	3
Fan Motor Power input (230V)	Watt ea.	36	36	36
Fan Motor Current draw (230V)	Amp ea.	0.25	0.25	0.25
No of Fans	ø200mm	1	1	1
Surface (HTA)	M²	1.12	1.68	2.25
Face Area	M²	0.053	0.053	0.053
Fin-Spacing	mm	4.2	4.2	4.2
Expansion Valve		External	External	External
Tube Volume	Litre	0.3	0.45	0.6
Electric Defrost 220/240 Volt	kW	0.4	0.4	0.4
	L1 Amp	1.8	1.8	1.8
	L2 Amp	-	-	-
	L3 Amp	-	-	-
Suction Connection	ø	5/8"	5/8"	5/8"
Liquid Connection	ø	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	5/8"	5/8"	5/8"
Mass	Kg	5	6	7

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

ST DUEL DISCHARGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



	9	15	18
A	500	500	500
B	145	145	145
C	370	370	370

ST DUEL DISCHARGE

ST SERIES

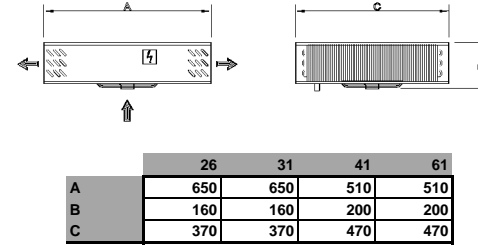
H: +10°C to +1°C
L: +1°C to -30°C

ST DUEL DISCHARGE

		26 H/L	31 H/L	41 H/L	61 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	1.12	1.35	1.86	2.32
	kcal/hr	963	1161	1599	1995
	Btu/hr	3823	4608	6348	7918
Face Velocity	M/sec	2.2	2.5	2.5	2.2
Air Volume	M ³ /hr	444	504	1026	882
Air Throw	M	3	2	3	3
Fan Motor Power input (230V)	Watt ea.	60	60	60	60
Fan Motor Current draw (230V)	Amp ea.	0.42	0.42	0.42	0.42
No of Fans	ø250mm	1	1	1	1
Surface (HTA)	M ²	2.81	3.37	4.65	5.81
Face Area	M ²	0.058	0.058	0.116	0.116
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		External	External	External	External
Tube Volume	Litre	0.75	0.9	1.1	1.4
Electric Defrost 220/240 Volt	kW	0.8	0.8	0.8	0.8
	L1 Amp	3.6	3.6	3.6	3.6
	L2 Amp	-	-	-	-
	L3 Amp	-	-	-	-
Suction Connection	ø	5/8"	5/8"	5/8"	5/8"
Liquid Connection	ø	1/2"	1/2"	1/2"	1/2"
Drain Connection O.D.	ø	5/8"	5/8"	5/8"	5/8"
Mass	Kg	10	11	12	15

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Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



ST DUEL DISCHARGE

ST SERIES

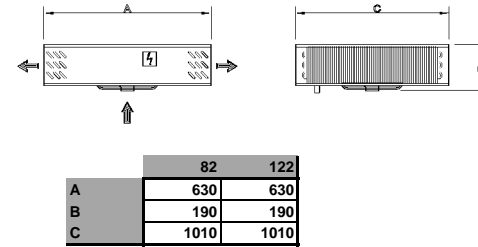
H: +10°C to +1°C
L: +1°C to -30°C

		82 H/L	122 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	3.72	4.64
	kcal/hr	3198	3989
	Btu/hr	12696	15836
Face Velocity	M/sec	2.5	2.2
Air Volume	M³/hr	1696	1274
Air Throw	M	3	3
Fan Motor Power input (230V)	Watt ea.	60	60
Fan Motor Current draw (230V)	Amp ea.	0.42	0.42
No of Fans	ø250mm	2	2
Surface (HTA)	M²	9.30	11.62
Face Area	M²	0.252	0.252
Fin-Spacing	mm	4.2	4.2
Expansion Valve		External	External
Tube Volume	Litre	2.2	2.8
Electric Defrost 220/240 Volt	kW	1.6	1.6
	L1 Amp	7.2	7.2
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	5/8"	5/8"
Liquid Connection	ø	1/2"	1/2"
Drain Connection O.D.	ø	5/8"	5/8"
Mass	Kg	24	30

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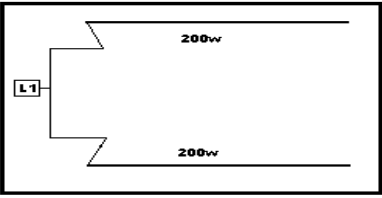
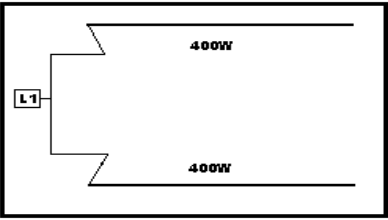
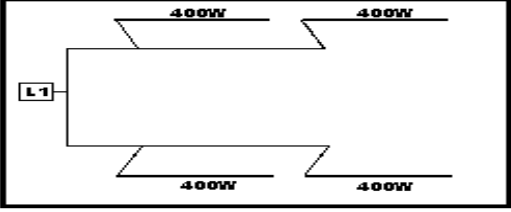
ST DUEL DISCHARGE

Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



ST DUEL DISCHARGE

ST SERIES - FAN AND ELEMENT DATA

ST Model	No of Fans	Fan Amperage 230V	Heater Configuration	Element Amperage	Element KW
9 15 18	1	0.25A		L1 1.8A	0.4kW
26 31 41 61	1	0.42A		L1 3.6A	0.8kW
82 122	2	0.84A		L1 7.2A	1.6kW



CT250 SERIES



Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Compact design to take up less space.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Aluminum Side plates to reduce tube contact damage.

CT250 SERIES

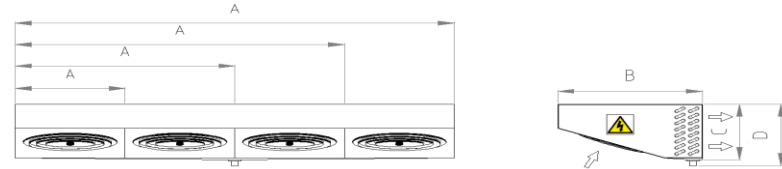
H: +10°C to +1°C
L: +1°C to -30°C

		08 H/L	015 H/L	024 H/L	032 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	1.35	2.80	4.04	5.68
	kcal/hr	1161	2407	3474	4884
	Btu/hr	4608	9556	13789	19386
Face Velocity	M/sec	3.3	3.3	3.3	3.3
Air Volume	M³/hr	558	1129	1687	2245
Air Throw	M	4	4	4	4
Fan Motor Power input (230V)	Watt ea.	60	60	60	60
Fan Motor Current draw (230V)	Amp ea.	0.42	0.42	0.42	0.42
No of Fans	ø250mm	1	2	3	4
Surface (HTA)	M²	1.98	3.97	5.95	7.93
Face Area	M²	0.047	0.095	0.142	0.189
Fin-Spacing	mm	4.2	4.2	4.2	4.2
Expansion Valve		Internal	Internal	Internal	External
Tube Volume	Litre	0.6	1.1	1.6	2.1
Electric Defrost 220/240 Volt	kW	0.47	0.94	1.4	1.9
	L1 Amp	2.1	4.3	6.3	8.6
	L2 Amp	-	-	-	-
	L3 Amp	-	-	-	-
Suction Connection	ø	3/8"	3/8"	3/8"	1/2"
Liquid Connection	ø	3/8"	3/8"	3/8"	3/8"
Drain Connection O.D.	ø	5/8"	5/8"	5/8"	5/8"
Mass	Kg	5	9	13	16

CT REAR DISCHARGE

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

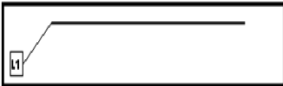
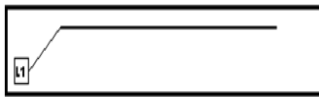
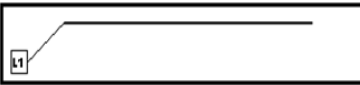
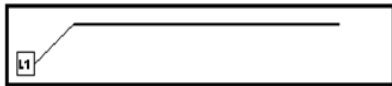
Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



	8	15	24	32
A	450	775	1100	1420
B	470	470	470	470
C	180	180	180	180
D	210	210	210	210

CT REAR DISCHARGE

CT250 SERIES - FAN AND ELEMENT DATA

CT Model	No of Fans	Fan Amperage 230V	Heater Configuration	Element Amperage		Element KW
				L1		
8	1	0.42A		L1	2.1A	0.47kW
15	2	0.84A		L1	4.2A	0.94kW
24	3	1.26A		L1	6.3A	1.4kW
32	4	1.68A		L1	8.6A	1.9kW



CT300 SERIES



Using Louvered fin technology to improve heat transfer efficiency.

Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Reduced air bypass improves coil efficiency.

Easy removable doors makes assessability easier.

Modular design for easy installation.

Micro groove tubing for improved efficiency.

All heating elements are removable from the fin side of the coil.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Various anti-corrosion options available.

Aluminum Side plates to reduce tube contact damage.

CT300 SERIES

H: +10°C to +1°C
L: +1°C to -30°C

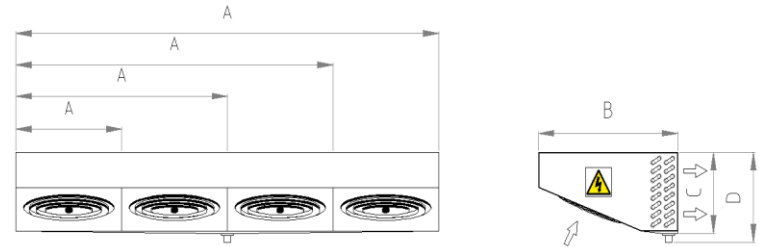
		3034 H/L	3043 H/L	3044 H/L	3053 H/L	3054 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	7.90	9.30	10.90	12.00	13.80
	kcal/hr	6792	7996	9372	10318	11865
	Btu/hr	26963	31741	37202	40956	47099
Face Velocity	M/sec	1.8	2.0	1.8	2.0	1.8
Air Volume	M ³ /hr	2372	3542	3162	4428	3953
Air Throw	M	6	7	6	7	6
Fan Motor Power input (230V)	Watt ea.	110	110	110	110	110
Fan Motor Current draw (230V)	Amp ea.	0.75	0.75	0.75	0.75	0.75
No of Fans	ø300mm	3	4	4	5	5
Surface (HTA)	M ²	21.50	21.50	28.70	26.90	35.80
Face Area	M ²	0.360	0.480	0.480	0.600	0.600
Fin-Spacing	mm	4.2	4.2	4.2	4.2	4.2
Expansion Valve		Internal	Internal	Internal	Internal	External
Tube Volume	Litre	4.3	4.3	5.7	5.3	7.1
Electric Defrost 220/240 Volt	kW	2.85	2.8	3.8	3.5	4.75
	L1 Amp	13	13	17.5	16	22
	L2 Amp	-	-	-	-	-
	L3 Amp	-	-	-	-	-
Suction Connection	ø	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"	5/8"	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"	1"	1"	1"
Mass	Kg	42	50	54	61	66

		3034 -4L	3043 -4L	3044 -4L	3053 -4L	3054 -4L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300	1300	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	6.80	8.00	9.40	10.40	12.00
	kcal/hr	5847	6878	8082	8942	10318
	Btu/hr	23208	27304	32082	35495	40956
Face Velocity	M/sec	2.0	2.4	2.0	2.4	2.0
Air Volume	M ³ /hr	2516	4070	3343	5071	4178
Air Throw	M	7	8	7	8	7
Fan Motor Power input (230V)	Watt ea.	110	110	110	110	110
Fan Motor Current draw (230V)	Amp ea.	0.75	0.75	0.75	0.75	0.75
No of Fans	ø300mm	3	4	4	5	5
Surface (HTA)	M ²	14.73	14.73	19.64	18.42	24.56
Face Area	M ²	0.360	0.480	0.480	0.600	0.600
Fin-Spacing	mm	6.35	6.35	6.35	6.35	6.35
Expansion Valve		Internal	Internal	Internal	Internal	External
Tube Volume	Litre	4.3	4.3	5.7	5.3	7.1
Electric Defrost 220/240 Volt	kW	2.85	2.8	3.8	3.5	4.75
	L1 Amp	13	13	17.5	16	22
	L2 Amp	-	-	-	-	-
	L3 Amp	-	-	-	-	-
Suction Connection	ø	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Liquid Connection	ø	5/8"	5/8"	5/8"	5/8"	5/8"
Drain Connection O.D.	ø	1"	1"	1"	1"	1"
Mass	Kg	42	50	54	61	66

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

CT REAR DISCHARGE

Do not install less than 500mm from wall
Flush Ceiling Mount

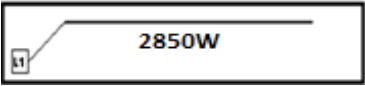
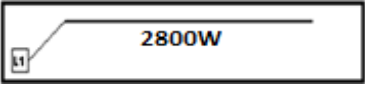
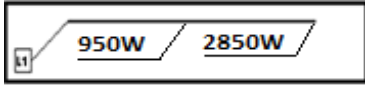
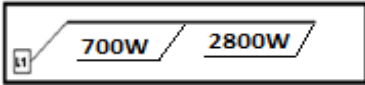
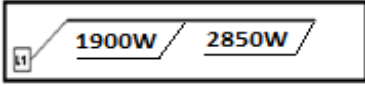


	3034	3043	3044	3053	3054
A	1410	1810	1810	2210	2210
B	500	500	500	500	500
C	330	330	330	330	330
D	380	380	380	380	380

The HI correction factor tables apply for the CT300 range.

CT REAR DISCHARGE

CT300 SERIES - FAN AND ELEMENT DATA

CT Model	No of Fans	Fan Amperage 230V	Heater Configuration	Element Amperage		Element KW
				L1		
3034	3	2.25A		L1	13A	2.85kW
3043	4	3.00A		L1	13A	2.8kW
3044	4	3.00A		L1	17.5A	3.8kW
3053	5	3.75A		L1	16A	3.5kW
3054	5	3.75A		L1	22A	4.75kW



MC SERIES



Sheet metal panels are fully powder coated for improved corrosion resistance.

Drain nipple material able to handle high temperatures.

Compact design to take up less space.

All fans are factory tested before dispatching.

All units are pressure tested to 30bar dry air.

Aluminum Side plates to reduce tube contact damage.

MC SERIES

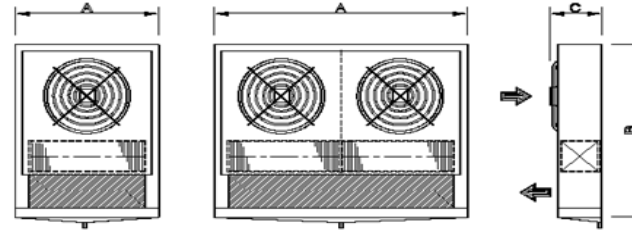
H: +10°C to +1°C
L: +1°C to -30°C

		35 H/L	60 H/L
FAN MOTOR TYPE		230/1/50/60	230/1/50/60
Fan Speed	Rpm	1300	1300
Nominal Capacity at 0°C Evaporation Temperature 10K TD R404A	kW	1.29	2.29
	kcal/hr	1109	1969
	Btu/hr	4403	7816
Face Velocity	M/sec	2.0	2.0
Air Volume	M³/hr	317	590
Air Throw	M	4	4
Fan Motor Power input (230V)	Watt ea.	60	60
Fan Motor Current draw (230V)	Amp ea.	0.42	0.42
No of Fans	ø250mm	1	2
Surface (HTA)	M²	3.24	5.73
Face Area	M²	0.044	0.082
Fin-Spacing	mm	4.2	4.2
Expansion Valve		Internal	Internal
Tube Volume	Litre	0.9	1.5
Electric Defrost 220/240 Volt	kW	0.2	0.4
	L1 Amp	0.9	1.8
	L2 Amp	-	-
	L3 Amp	-	-
Suction Connection	ø	3/8"	3/8"
Liquid Connection	ø	3/8"	3/8"
Drain Connection O.D.	ø	5/8"	5/8"
Mass	Kg	9	14

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

MC MORTUARY COIL

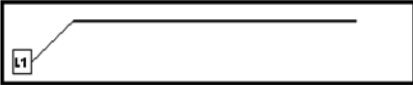
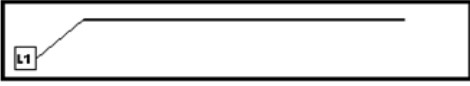
Do not install less than 500mm from wall
Flush Ceiling Mount
Dimensions E & F refer to the suction outlet of the coil



	35	60
A	450	740
B	645	645
C	170	170

MC MORTUARY COIL

MC SERIES - FAN AND ELEMENT DATA

MC Model	No of Fans	Fan Amperage 230V	Heater Configuration	Element Amperage	Element KW	
35	1	0.42A		L1	0.9A	0.2kW
60	2	0.84A		L1	1.8A	0.4kW



HAC CONDENSER RANGE



All sheet metal is fully powder coated for corrosion resistance. (Less maintenance)

The colour was selected to blend in with the environment and not draw too much attention.

Coated fins (Hydrophilic foil) for corrosion resistance. (Less maintenance)

For coastal applications there are extra corrosion resistant options available such as Stainless steel and copper fins. (Less maintenance)

New packaging for protection during transport. (Quality product)

Base legs have easy access for fastening. (Saving you time)

By using a modular design the Base leg spacing is consistent. (Easier installation)

Larger units are fitted with a larger electrical box. (Easier installation)

The position of the electrical box is placed for easy access. (Easier installation)

Face areas calculated for the best Rand per kilowatt value. (Best price)

The modular design enables us to manufacture a wider capacity range. (Bigger selection)

To reach even bigger capacities we use a 630mm fan.

HAC CONDENSER RANGE

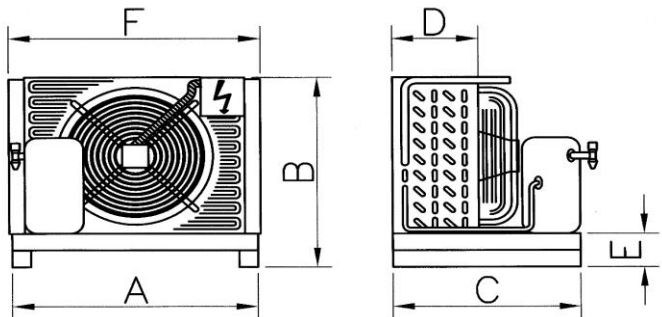
200mm, 250mm & 300mm Fan Models

Capacities - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume m^3/s	Fan Motor each				Cond. Face Area m^2	Rec Type	Rec Cap 85% R22/kg	Connections In - Out	Mass kg
		Kw@10TD	Kw@15TD		230-1-50		380-3-50						
					W	A	W	A					
2012	1	0.87	1.30	0.153	36	0.25	-	-	0.09	102	2	3/8"-3/8"	11
2013	1	1.05	1.57	0.135	36	0.25	-	-	0.09	102	2	3/8"-3/8"	11
2014	1	1.16	1.74	0.126	36	0.25	-	-	0.09	102	2	3/8"-3/8"	12
2512	1	1.50	2.25	0.288	60	0.42	-	-	0.12	102	2	3/8"-3/8"	14
2513	1	1.89	2.84	0.264	60	0.42	-	-	0.12	102	2	3/8"-3/8"	14
2514	1	2.06	3.09	0.252	60	0.42	-	-	0.12	102	2	1/2"-1/2"	15
3012	1	2.10	3.14	0.432	62	0.28	-	-	0.16	103	3	1/2"-1/2"	17
3013	1	2.75	4.12	0.378	62	0.28	-	-	0.16	103	3	1/2"-1/2"	18
3014	1	3.12	4.68	0.338	62	0.28	-	-	0.16	103	3	1/2"-1/2"	19
2522	2	3.01	4.52	0.576	60	0.42	-	-	0.24	104	4	1/2"-1/2"	32
2523	2	3.72	5.58	0.528	60	0.42	-	-	0.24	104	4	1/2"-1/2"	33
2524	2	4.19	6.29	0.504	60	0.42	-	-	0.24	104	4	1/2"-1/2"	35
3022	2	4.45	6.67	0.864	62	0.28	-	-	0.32	104	4	1/2"-1/2"	34
3023	2	5.52	8.28	0.755	62	0.28	-	-	0.32	104	4	1/2"-1/2"	36
3024	2	6.18	9.26	0.675	62	0.28	-	-	0.32	104	4	1/2"-1/2"	39

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HAC 2012
 L ROWS DEEP
 L FAN QUANTITY
 L FAN SIZE



MODEL HAC	2012 2013 2014	2512 2513 2514	3012 3013 3014
A	390	490	490
B	340	340	440
C	570	620	620
D	205	205	205
E	25	25	25
F	390	490	490

MODEL HAC	2522 2523 2524	3022 3023 3024
A	900	900
B	340	440
C	570	570
D	205	205
E	30	30
F	900	900

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

HORIZONTAL AIR FLOW CONDENSER

HAC CONDENSER RANGE

350mm & 400mm Fan Models

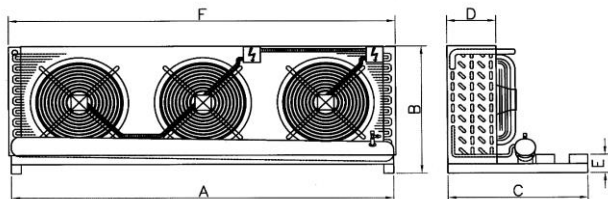
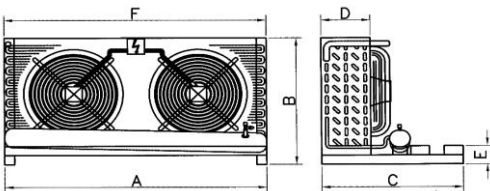
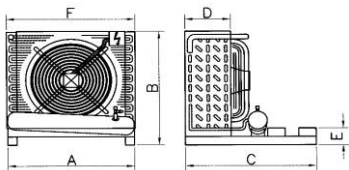
Capacities - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume	Fan Motor each				Cond. Face Area	Rec Type	Rec Cap 85% R22/kg	Connections	Mass
					230-1-50		380-3-50						
					Kw@10TD	Kw@15TD	W	A					
				m ³ /s					m ²			In - Out	kg
3512	1	4.19	6.29	0.743	130	0.58	170	0.64	0.25	104	4	1/2"-1/2"	38
3513	1	4.75	7.13	0.680	130	0.58	170	0.64	0.25	104	4	1/2"-1/2"	40
3514	1	5.64	8.46	0.625	130	0.58	170	0.64	0.25	104	4	1/2"-1/2"	42
3515	1	6.31	9.46	0.583	130	0.58	170	0.64	0.25	104	4	1/2"-1/2"	40
4012	1	5.54	8.31	1.040	160	0.73	135	0.44	0.36	401	7	1/2"-1/2"	47
4013	1	7.06	10.59	0.976	160	0.73	135	0.44	0.36	401	7	1/2"-1/2"	50
4014	1	8.37	12.55	0.907	160	0.73	135	0.44	0.36	401	7	5/8"-1/2"	53
4015	1	9.20	13.80	0.853	160	0.73	135	0.44	0.36	401	7	5/8"-1/2"	55
3522	2	8.09	12.14	1.485	130	0.58	170	0.64	0.5	352	13	5/8"-1/2"	64
3523	2	9.51	14.27	1.360	130	0.58	170	0.64	0.5	352	13	5/8"-1/2"	68
3524	2	11.65	17.48	1.250	130	0.58	170	0.64	0.5	352	13	5/8"-1/2"	72
3525	2	12.76	19.15	1.165	130	0.58	170	0.64	0.5	352	13	3/4"-5/8"	75
4022	2	11.21	16.82	2.081	160	0.73	135	0.44	0.72	402	15	5/8"-1/2"	85
4023	2	14.28	21.42	1.951	160	0.73	135	0.44	0.72	402	15	3/4"-5/8"	90
4024	2	17.15	25.73	1.814	160	0.73	135	0.44	0.72	402	15	3/4"-5/8"	96
4025	2	18.59	27.89	1.706	160	0.73	135	0.44	0.72	402	15	3/4"-5/8"	101
3532	3	12.45	18.68	2.228	130	0.58	170	0.64	0.75	353	19	5/8"-1/2"	91
3533	3	15.17	22.76	2.040	130	0.58	170	0.64	0.75	353	19	3/4"-5/8"	96
3534	3	17.74	26.60	1.875	130	0.58	170	0.64	0.75	353	19	3/4"-5/8"	102
3535	3	19.35	29.03	1.748	130	0.58	170	0.64	0.75	353	19	7/8"-3/4"	108
4032	3	17.36	26.04	3.121	160	0.73	135	0.44	1.08	403	23	3/4"-5/8"	116
4033	3	22.56	33.84	2.927	160	0.73	135	0.44	1.08	403	23	7/8"-3/4"	125
4034	3	25.11	37.66	2.722	160	0.73	135	0.44	1.08	403	23	7/8"-3/4"	133
4035	3	27.06	40.58	2.560	160	0.73	135	0.44	1.08	403	23	1 1/8"-7/8"	141

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HAC 2012

L ROWS DEEP
 L FAN QUANTITY
 L FAN SIZE



MODEL HAC	3512	4012	3513	4013	MODEL HAC	3522	4022	3523	4023	MODEL HAC	3532	4032	3533	4033	MODEL HAC	3534	4034	3535	4035
A	525	625	525	625	A	1025	1225	1025	1225	A	1525	1825	1525	1825	A	1525	1825	1525	1825
B	590	695	590	695	B	590	695	590	695	B	590	695	590	695	B	590	695	590	695
C	900	1060	900	1060	C	900	1060	900	1060	C	900	1060	900	1060	C	900	1060	900	1060
D	225	280	225	280	D	225	280	225	280	D	225	280	225	280	D	225	280	225	280
E	105	105	105	105	E	105	105	105	105	E	105	105	105	105	E	105	105	105	105
F	610	710	610	710	F	1110	1310	610	710	F	1610	1910	610	710	F	1610	1910	610	710

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

HORIZONTAL AIR FLOW CONDENSER

HAC CONDENSER RANGE

500mm & 630mm Fan Models

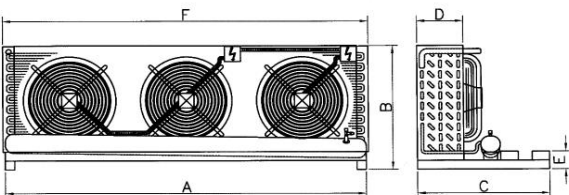
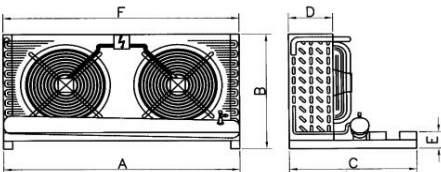
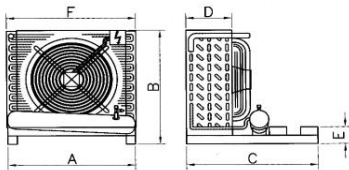
Capacities - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume m ³ /s	Fan Motor each				Cond. Face Area m ²	Rec Type	Rec Cap 85% R22/kg	Connections In - Out	Mass kg
					230-1-50		380-3-50						
					W	A	W	A					
5012	1	11.00	16.50	2.149	635	3.1	730	1.35	0.5625	501	9	5/8"-1/2"	67
5013	1	14.63	21.95	1.980	635	3.1	730	1.35	0.5625	501	9	3/4"-5/8"	72
5014	1	17.53	26.30	1.856	635	3.1	730	1.35	0.5625	501	9	3/4"-5/8"	76
5015	1	18.54	27.81	1.749	635	3.1	730	1.35	0.5625	501	9	7/8"-3/4"	80
5016	1	20.34	30.51	1.659	635	3.1	730	1.35	0.5625	501	9	7/8"-3/4"	84
6313	1	35.48	53.22	4.782	-	-	2630	4.78	1.386	631	29	1 1/8"-7/8"	164
6314	1	43.66	65.49	4.574	-	-	2630	4.78	1.386	631	29	1 3/8"-1 1/8"	174
6315	1	48.15	72.23	4.380	-	-	2630	4.78	1.386	631	29	1 3/8"-1 1/8"	185
6316	1	52.16	78.24	4.200	-	-	2630	4.78	1.386	631	29	1 3/8"-1 1/8"	195
5022	2	21.72	32.59	4.298	635	3.1	730	1.35	1.125	502	19	7/8"-3/4"	124
5023	2	29.77	44.66	3.960	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	132
5024	2	35.17	52.75	3.713	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	141
5025	2	38.00	57.00	3.499	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	149
5026	2	40.79	61.18	3.319	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	158
6323	2	73.21	109.82	8.011	-	-	2630	4.78	2.772	632	60	1 5/8"-1 3/8"	310
6324	2	87.56	131.35	7.512	-	-	2630	4.78	2.772	632	60	1 5/8"-1 3/8"	331
6325	2	90.68	136.02	6.985	-	-	2630	4.78	2.772	632	60	1 5/8"-1 3/8"	352
6326	2	104.92	157.38	6.570	-	-	2630	4.78	2.772	632	60	1 5/8"-1 3/8"	373
5032	3	34.21	51.32	6.446	635	3.1	730	1.35	1.6875	503	29	1 1/8"-7/8"	180
5033	3	44.70	67.05	5.940	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	193
5034	3	52.14	78.20	5.569	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	205
5035	3	54.37	81.56	5.248	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	218
5036	3	61.48	92.23	4.978	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	231
5062	6	68.43	102.64	12.893	635	3.1	730	1.35	3.375	523	58	1 1/8"-7/8"	324
5063	6	89.40	134.10	11.880	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	350
5064	6	104.27	156.41	11.138	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	375
5065	6	108.74	163.11	10.496	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	401
5066	6	122.97	184.45	9.956	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	426

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HAC 2012

L ROWS DEEP
 L FAN QUANTITY
 L FAN SIZE



MODEL	5012	6313	5013	6314	5014	6315	5015	6316	MODEL	5022	6323	5023	6324	5024	6325	5025	6326	MODEL	5032	5062	5033	5063	5034	5064	5035	5065	5036	5066				
HAC	775	1170	845	1290	1060	1380	330	460	HAC	1525	2325	845	1290	1060	1380	330	460	HAC	2275	2275	845	1600	1060	1380	330	330	105	145	105	145	2385	2385
A									A									A														
B									B									B														
C									C									C														
D									D									D														
E									E									E														
F									F									F														

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

HAC CONDENSER RANGE

500mm EC Fan Models

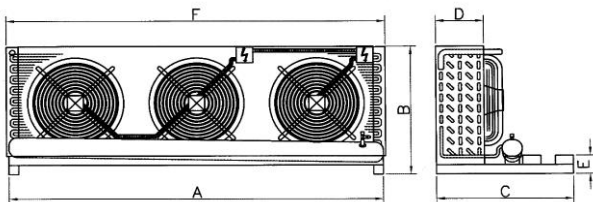
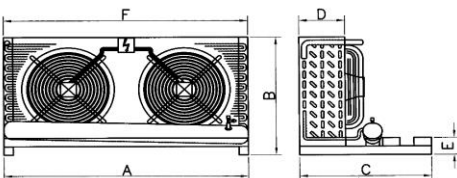
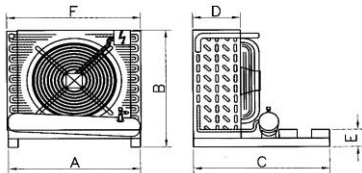
EC Fan Capacities (720rpm) - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume <i>m³/s</i>	Fan Motor each				Cond. Face Area <i>m²</i>	Rec Type	Rec Cap 85% R22/kg	Connections <i>In - Out</i>	Mass <i>kg</i>
		<i>Kw@10TD</i>	<i>Kw@15TD</i>		230-1-50		380-3-50						
					<i>W</i>	<i>A</i>	<i>W</i>	<i>A</i>					
5012	1	7.51	11.26	1.185	635	3.1	730	1.35	0.5625	501	9	5/8"-1/2"	67
5013	1	9.41	14.12	1.068	635	3.1	730	1.35	0.5625	501	9	3/4"-5/8"	72
5014	1	10.82	16.23	0.985	635	3.1	730	1.35	0.5625	501	9	3/4"-5/8"	76
5015	1	10.80	16.20	0.889	635	3.1	730	1.35	0.5625	501	9	7/8"-3/4"	80
5016	1	11.05	16.58	0.800	635	3.1	730	1.35	0.5625	501	9	7/8"-3/4"	84
5022	2	14.80	22.20	2.363	635	3.1	730	1.35	1.125	502	19	7/8"-3/4"	124
5023	2	19.12	28.68	2.137	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	132
5024	2	21.67	32.51	1.969	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	141
5025	2	22.04	33.06	1.779	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	149
5026	2	22.15	33.23	1.600	635	3.1	730	1.35	1.125	502	19	1 1/8"-7/8"	158
5032	3	23.56	35.34	3.545	635	3.1	730	1.35	1.6875	503	29	1 1/8"-7/8"	180
5033	3	28.91	43.37	3.205	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	193
5034	3	32.13	48.19	2.945	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	205
5035	3	31.51	47.26	2.668	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	218
5036	3	33.27	49.90	2.399	635	3.1	730	1.35	1.6875	503	29	1 3/8"-1 1/8"	231
5062	6	47.12	70.68	7.090	635	3.1	730	1.35	3.375	523	58	1 1/8"-7/8"	324
5063	6	57.83	86.74	6.410	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	350
5064	6	64.25	96.38	5.890	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	375
5065	6	63.01	94.52	5.336	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	401
5066	6	66.53	99.80	4.798	635	3.1	730	1.35	3.375	523	58	1 3/8"-1 1/8"	426

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HAC 2012

— ROWS DEEP
— FAN QUANTITY
— FAN SIZE



MODEL HAC	5012 5013 5014 5015 5016	MODEL HAC	5022 5023 5024 5025 5026	MODEL HAC	5032 5033 5034 5035 5036	5062 5063 5064 5065 5066
A	775	A	1525	A	2275	2275
B	845	B	845	B	845	1600
C	1060	C	1060	C	1060	1380
D	330	D	330	D	330	330
E	105	E	105	E	105	145
F	885	F	1635	F	2385	2385

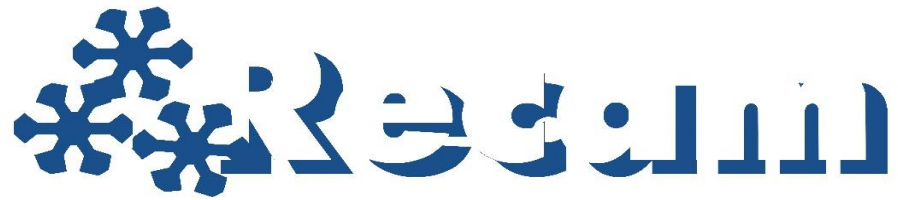
Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

HORIZONTAL AIR FLOW CONDENSER



VRC CONDENSER RANGE



Modular fan design.

Feet sold separately.

All sheet metal is fully powdercoated.

Fans are factory tested and connected to one terminal box.

VRC CONDENSER RANGE

350mm & 400mm Fan Models

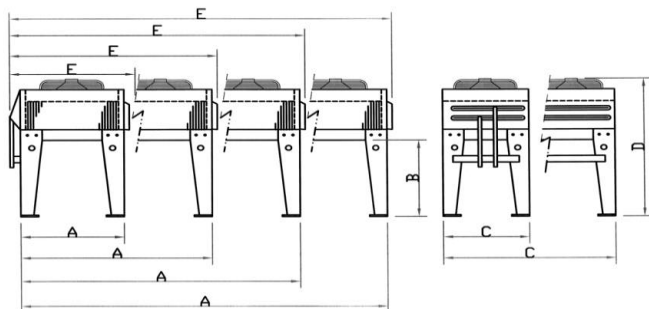
Capacities - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume	Fan Motor each				Cond. Face Area	Connection size	Mass
					230-1-50		380-3-50				
					W	A	W	A			
VRC 3512	1	Kw@10TD	Kw@15TD	m ³ /s					m ²	In - Out	kg
VRC 3512	1	4.19	6.29	0.743	130	0.58	170	0.64	0.25	1/2"-1/2"	18
VRC 3513	1	4.75	7.13	0.680	130	0.58	170	0.64	0.25	1/2"-1/2"	20
VRC 3514	1	5.64	8.46	0.625	130	0.58	170	0.64	0.25	1/2"-1/2"	22
VRC 3515	1	6.31	9.46	0.583	130	0.58	170	0.64	0.25	1/2"-1/2"	24
VRC 4012	1	5.54	8.31	1.040	160	0.73	135	0.44	0.36	1/2"-1/2"	25
VRC 4013	1	7.06	10.59	0.976	160	0.73	135	0.44	0.36	1/2"-1/2"	27
VRC 4014	1	8.37	12.55	0.907	160	0.73	135	0.44	0.36	5/8"-1/2"	30
VRC 4015	1	9.20	13.80	0.853	160	0.73	135	0.44	0.36	5/8"-1/2"	33
VRC 3522	2	8.09	12.14	1.485	130	0.58	170	0.64	0.5	5/8"-1/2"	33
VRC 3523	2	9.51	14.27	1.360	130	0.58	170	0.64	0.5	5/8"-1/2"	36
VRC 3524	2	11.65	17.48	1.250	130	0.58	170	0.64	0.5	5/8"-1/2"	40
VRC 3525	2	12.76	19.15	1.165	130	0.58	170	0.64	0.5	3/4"-5/8"	44
VRC 4022	2	11.21	16.82	2.081	160	0.73	135	0.44	0.72	5/8"-1/2"	44
VRC 4023	2	14.28	21.42	1.951	160	0.73	135	0.44	0.72	3/4"-5/8"	50
VRC 4024	2	17.15	25.73	1.814	160	0.73	135	0.44	0.72	3/4"-5/8"	55
VRC 4025	2	18.59	27.89	1.706	160	0.73	135	0.44	0.72	3/4"-5/8"	61
VRC 3532	3	12.45	18.68	2.228	130	0.58	170	0.64	0.75	5/8"-1/2"	47
VRC 3533	3	15.17	22.76	2.040	130	0.58	170	0.64	0.75	3/4"-5/8"	53
VRC 3534	3	17.74	26.60	1.875	130	0.58	170	0.64	0.75	3/4"-5/8"	59
VRC 3535	3	19.35	29.03	1.748	130	0.58	170	0.64	0.75	7/8"-3/4"	64
VRC 4032	3	17.36	26.04	3.121	160	0.73	135	0.44	1.08	3/4"-5/8"	64
VRC 4033	3	22.56	33.84	2.927	160	0.73	135	0.44	1.08	7/8"-3/4"	73
VRC 4034	3	25.11	37.66	2.722	160	0.73	135	0.44	1.08	7/8"-3/4"	81
VRC 4035	3	27.06	40.58	2.560	160	0.73	135	0.44	1.08	1 1/8"-7/8"	89

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

HAC 2012
 ROWS DEEP
 FAN QUANTITY
 FAN SIZE

MODEL	3512	4012	MODEL	3522	4022	MODEL	3532	4032
VRC	3513	4013	VRC	3523	4023	VRC	3533	4033
VRC	3514	4014	VRC	3524	4024	VRC	3534	4034
VRC	3515	4015	VRC	3525	4025	VRC	3535	4035
A	530	630	A	1030	1230	A	1530	1830
B	750	750	B	750	750	B	750	750
C	560	660	C	560	660	C	560	660
D	1105	1190	D	1105	1190	D	1105	1190
E	610	730	E	1110	1330	E	1610	1930



Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

VERTICAL REMOTE CONDENSER

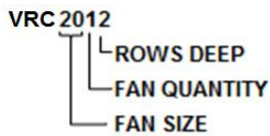
VRC CONDENSER RANGE

500mm Fan Models

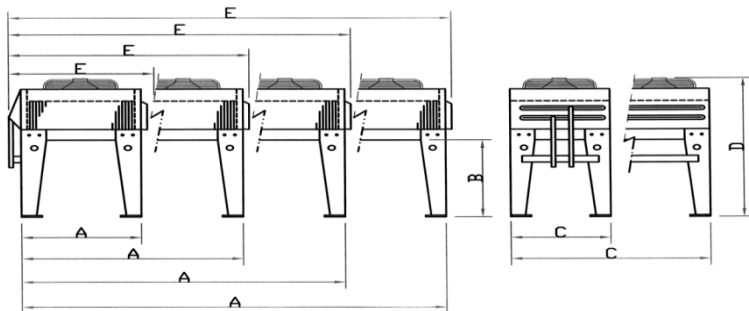
Capacities - Technical Data

MODEL	FAN QTY	Capacity (R404A & R507A)		Air Volume <i>m³/h</i>	Fan Motor each				Cond. Face Area <i>m²</i>	Connection size <i>In - Out</i>	Cond. Mass <i>kg</i>
		<i>Kw@10TD</i>	<i>Kw@15TD</i>		230-1-50		380-3-50				
					<i>W</i>	<i>A</i>	<i>W</i>	<i>A</i>			
VRC 5012	1	11.00	16.50	2.149	635	3.1	730	1.35	0.5625	5/8"-1/2"	41
VRC 5013	1	14.63	21.95	1.980	635	3.1	730	1.35	0.5625	3/4"-5/8"	45
VRC 5014	1	17.53	26.30	1.856	635	3.1	730	1.35	0.5625	3/4"-5/8"	50
VRC 5015	1	18.54	27.81	1.749	635	3.1	730	1.35	0.5625	7/8"-3/4"	54
VRC 5016	1	20.34	30.51	1.659	635	3.1	730	1.35	0.5625	7/8"-3/4"	58
VRC 5022	2	21.72	32.59	4.298	635	3.1	730	1.35	1.125	7/8"-3/4"	76
VRC 5023	2	29.77	44.66	3.960	635	3.1	730	1.35	1.125	1 1/8"-7/8"	84
VRC 5024	2	35.17	52.75	3.713	635	3.1	730	1.35	1.125	1 1/8"-7/8"	93
VRC 5025	2	38.00	57.00	3.499	635	3.1	730	1.35	1.125	1 1/8"-7/8"	101
VRC 5026	2	40.79	61.18	3.319	635	3.1	730	1.35	1.125	1 1/8"-7/8"	110
VRC 5032	3	34.21	51.32	6.446	635	3.1	730	1.35	1.6875	1 1/8"-7/8"	110
VRC 5033	3	44.70	67.05	5.940	635	3.1	730	1.35	1.6875	1 3/8"-1 1/8"	123
VRC 5034	3	52.14	78.20	5.569	635	3.1	730	1.35	1.6875	1 3/8"-1 1/8"	136
VRC 5035	3	54.37	81.56	5.248	635	3.1	730	1.35	1.6875	1 3/8"-1 1/8"	148
VRC 5036	3	61.48	92.23	4.978	635	3.1	730	1.35	1.6875	1 3/8"-1 1/8"	161

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.



MODEL VRC	5012 5013 5014 5015 5016	MODEL VRC	5022 5023 5024 5025 5026	MODEL VRC	5032 5033 5034 5035 5036
A	780	A	1530	A	2280
B	750	B	750	B	750
C	810	C	810	C	810
D	1210	D	1210	D	1210
E	880	E	1630	E	2380



Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

VERTICAL REMOTE CONDENSER

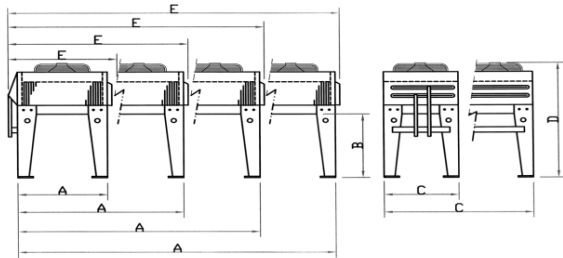
REMOTE 630 HAC/VRC 1/2" CONDENSER RANGE

AC fan, Capacities - Technical Data (Delta connected)

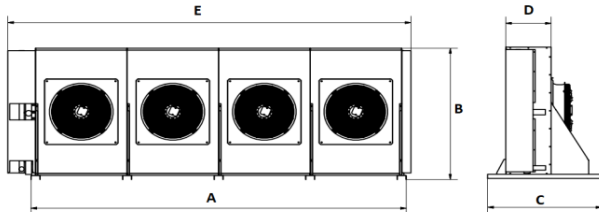
MODEL	THR (R404A & R507A)		Air Volume	HEADER IN	HEADER OUT	Fan Speed (Δ)	Power Input	FLA	Sound Level	HAC Mass	VRC Mass
	Kw@10TD	Kw@15TD	m ³ /s	inch	inch	RPM	kW	A	dB (A)	kg	kg
630-2F3R	85.8	128.7	9.21	1 5/8"	1 3/8"	1320	2.63 X 2	4.78 X 2	83	311	314
630-2F4R	94.2	141.3	8.80	1 5/8"	1 3/8"	1320	2.63 X 2	4.78 X 2	83	343	347
630-2F5R	98.4	147.6	8.40	1 5/8"	1 3/8"	1320	2.63 X 2	4.78 X 2	83	376	379
630-3F3R	128.8	193.2	13.82	2 1/8"	1 5/8"	1320	2.63 X 3	4.78 X 3	85	452	460
630-3F4R	141.1	211.6	13.16	2 1/8"	1 5/8"	1320	2.63 X 3	4.78 X 3	85	500	508
630-3F6R	149.3	224.0	12.10	2 1/8"	1 5/8"	1320	2.63 X 3	4.78 X 3	85	598	606
630-4F3R	171.9	257.8	18.43	2 1/8"	1 5/8"	1320	2.63 X 4	4.78 X 4	86	592	605
630-4F4R	188.9	283.3	17.55	2 5/8"	2 1/8"	1320	2.63 X 4	4.78 X 4	86	657	670
630-4F6R	195.2	292.8	16.13	2 5/8"	2 1/8"	1320	2.63 X 4	4.78 X 4	86	787	800
630-5F4R	232.9	349.4	21.95	2 5/8"	2 1/8"	1320	2.63 X 5	4.78 X 5	87	814	832
630-6F4R	282.3	423.5	26.32	2 5/8"	2 1/8"	1320	2.63 X 6	4.78 X 6	88	970	993
630-7F4R	331.1	496.6	30.71	2 5/8"	2 1/8"	1320	2.63 X 7	4.78 X 7	89	1127	1155

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

REMOTE CONDENSER



MODEL	2F3R	3F3R	4F3R			
	2F4R	3F4R	4F4R			
VRC	2F5R	3F6R	4F6R	5F4R	6F4R	7F4R
A	2020	3020	4020	5020	6020	7020
B	750	750	750	750	750	750
C	1560	1560	1560	1560	1560	1560
D	1480	1480	1480	1480	1480	1480
E	2310	3310	4310	5310	6310	7310



MODEL	2F3R	3F3R	4F3R			
	2F4R	3F4R	4F4R			
HAC	2F5R	3F6R	4F6R	5F4R	6F4R	7F4R
A	2110	3110	4110	5110	6110	7110
B	1610	1610	1610	1610	1610	1610
C	1250	1250	1250	1250	1250	1250
D	500	500	500	500	500	500
E	2415	3415	4415	5415	6415	7415

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

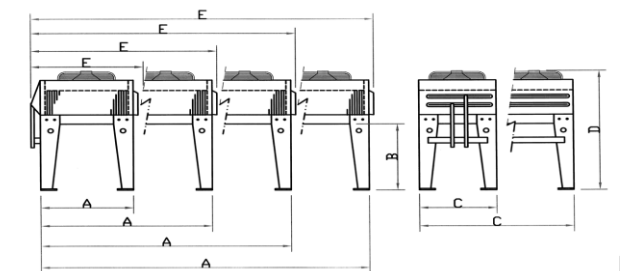
REMOTE 800 HAC/VRC 1/2" CONDENSER RANGE

AC fan, Capacities - Technical Data (Delta connected)

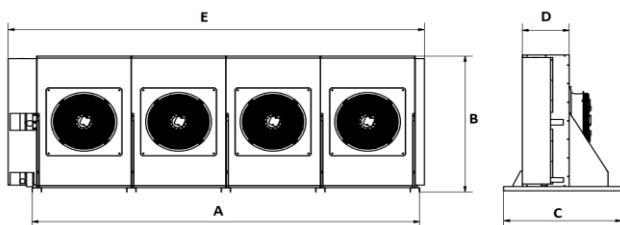
MODEL	THR (R404A & R507A)		Air Volume	HEADER IN	HEADER OUT	Fan Speed (Δ)	Power Input	FLA	Sound Level	HAC Mass	VRC Mass
	$Kw@10TD$	$Kw@15TD$	m^3/s	inch	inch	RPM	kW	A	dB (A)	kg	kg
800-2F2R	86.7	130.1	11.10	2 1/8"	1 5/8"	870	1.43 X 2	2.8 X 2	77	370	353
800-2F3R	105.8	158.7	10.50	2 1/8"	1 5/8"	870	1.43 X 2	2.8 X 2	77	419	402
800-2F4R	110.0	165.1	9.90	2 5/8"	2 1/8"	870	1.43 X 2	2.8 X 2	77	467	450
800-3F2R	133.9	200.8	16.60	2 5/8"	2 1/8"	870	1.43 X 3	2.8 X 3	79	533	514
800-3F3R	156.9	235.4	15.70	2 5/8"	2 1/8"	870	1.43 X 3	2.8 X 3	79	605	586
800-3F4R	169.5	254.2	14.80	2 5/8"	2 1/8"	870	1.43 X 3	2.8 X 3	79	677	658
800-4F2R	173.5	260.3	22.20	2 5/8"	2 1/8"	870	1.43 X 4	2.8 X 4	80	695	674
800-4F3R	198.9	298.4	21.00	2 5/8"	2 1/8"	870	1.43 X 4	2.8 X 4	80	791	770
800-4F4R	226.3	339.5	19.80	2 5/8"	2 1/8"	870	1.43 X 4	2.8 X 4	80	887	866
800-5F4R	279.2	418.7	24.70	2 5/8"	2 1/8"	870	1.43 X 5	2.8 X 5	81	1098	1075
800-6F4R	339.1	508.6	29.50	3 1/8"	2 5/8"	870	1.43 X 6	2.8 X 6	82	1308	1283

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REMOTE CONDENSER



MODEL	2F2R	3F2R	4F2R		
	2F3R	3F3R	4F3R	5F4R	6F4R
VRC	2F4R	3F4R	4F4R	5F4R	6F4R
A	2230	3330	4430	5530	6630
B	750	750	750	750	750
C	2090	2090	2090	2090	2090
D	1530	1530	1530	1530	1530
E	2610	3710	4810	5910	7010



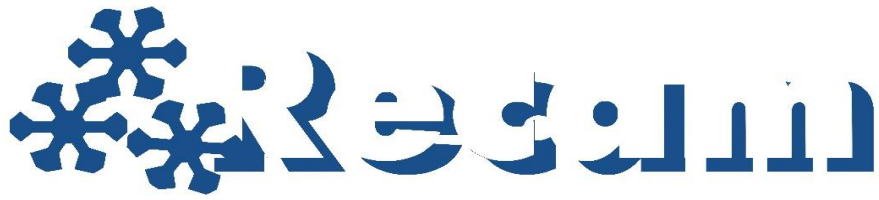
MODEL	2F2R	3F2R	4F2R		
	2F3R	3F3R	4F3R	5F4R	6F4R
HAC	2F4R	3F4R	4F4R	5F4R	6F4R
A	2320	3420	4520	5620	6720
B	2130	2130	2130	2130	2130
C	1250	1250	1250	1250	1250
D	500	500	500	500	500
E	2610	3710	4810	5910	7010

Multiply correction factor

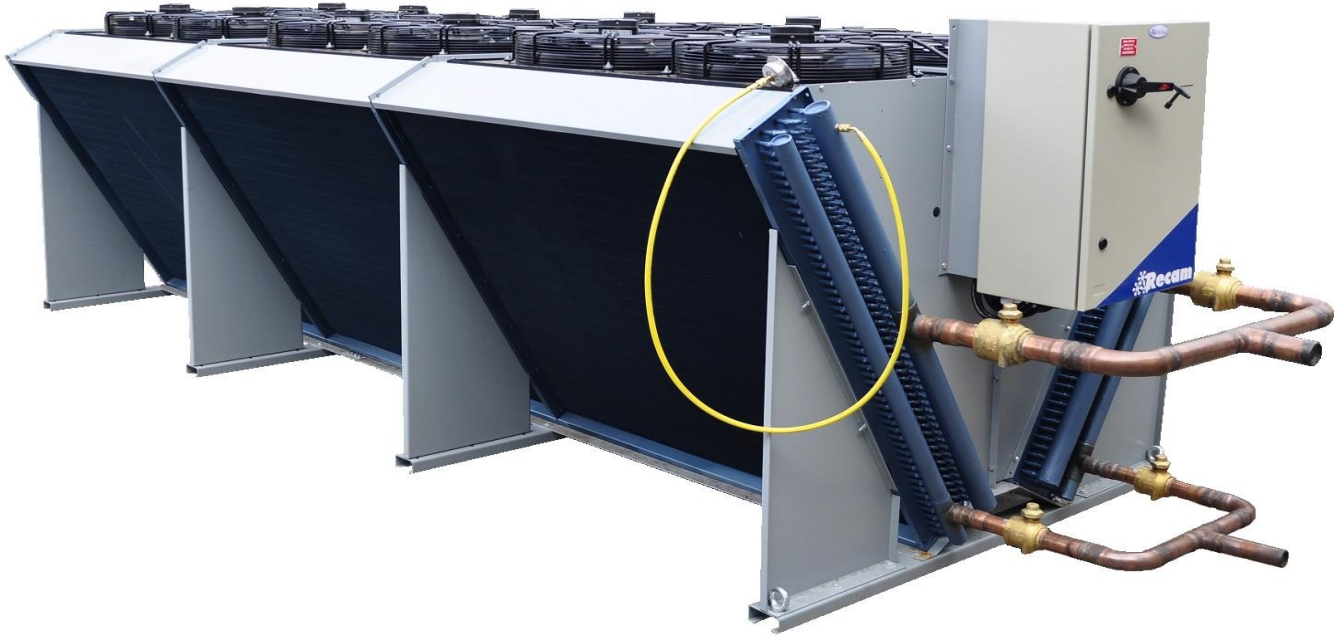
R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176



500mm FAN VCOIL RANGE



All fans are connected to one terminal box.

All fans are factory tested.

Optional fin guard

All sheet metal is fully powdercoated.

V-COIL 500mm FAN CONDENSER RANGE

AC fan, Capacities - Technical Data (Delta connected)

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed (Δ) <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
CVD-2F4R	52.2	78.3	4.6	7/8"	3/4"	1390	0.73 X 2	1.35 X 2	71	265
CVD-2F6R	60.4	90.6	4.5	1 1/8"	7/8"	1390	0.73 X 2	1.35 X 2	71	280
CVD-4F4R	104.4	156.6	9.2	1 3/8"	1 1/8"	1390	0.73 X 4	1.35 X 4	74	525
CVD-4F6R	120.9	181.3	9.0	1 3/8"	1 1/8"	1390	0.73 X 4	1.35 X 4	74	560
CVD-6F4R	156.6	234.8	13.8	1 5/8"	1 3/8"	1390	0.73 X 6	1.35 X 6	76	785
CVD-6F6R	181.3	271.9	13.5	1 5/8"	1 3/8"	1390	0.73 X 6	1.35 X 6	76	840
CVD-8F4R	208.7	313.1	18.4	2 1/8"	1 5/8"	1390	0.73 X 8	1.35 X 8	77	1050
CVD-8F6R	241.7	362.6	18.0	2 1/8"	1 5/8"	1390	0.73 X 8	1.35 X 8	77	1120
CVD-12F4R	250.6	376.0	26.0	2 1/8"	1 5/8"	1390	0.73 X 12	1.35 X 12	79	1210
CVD-12F6R	289.8	434.7	24.0	2 1/8"	1 5/8"	1390	0.73 X 12	1.35 X 12	79	1300

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

AC fan, Capacities - Technical Data (Star connected)

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed (Δ) <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
CVD-2F4R	46.0	69.0	4.1	7/8"	3/4"	1180	0.45 x 2	0.8 x 2	67	265
CVD-2F6R	52.2	78.3	4.0	1 1/8"	7/8"	1180	0.45 x 2	0.8 x 2	67	280
CVD-4F4R	92.0	138.0	8.2	1 3/8"	1 1/8"	1180	0.45 x 4	0.8 x 4	70	525
CVD-4F6R	104.4	156.6	8.0	1 3/8"	1 1/8"	1180	0.45 x 4	0.8 x 4	70	560
CVD-6F4R	138.0	207.0	12.3	1 5/8"	1 3/8"	1180	0.45 x 6	0.8 x 6	72	785
CVD-6F6R	156.6	234.8	12.0	1 5/8"	1 3/8"	1180	0.45 x 6	0.8 x 6	72	840
CVD-8F4R	184.0	276.0	16.4	2 1/8"	1 5/8"	1180	0.45 x 8	0.8 x 8	73	1050
CVD-8F6R	208.7	313.1	16.0	2 1/8"	1 5/8"	1180	0.45 x 8	0.8 x 8	73	1120
CVD-12F4R	221.1	331.7	22.5	2 1/8"	1 5/8"	1180	0.45 x 12	0.8 x 12	75	1210
CVD-12F6R	250.6	376.0	20.8	2 1/8"	1 5/8"	1180	0.45 x 12	0.8 x 12	75	1300

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

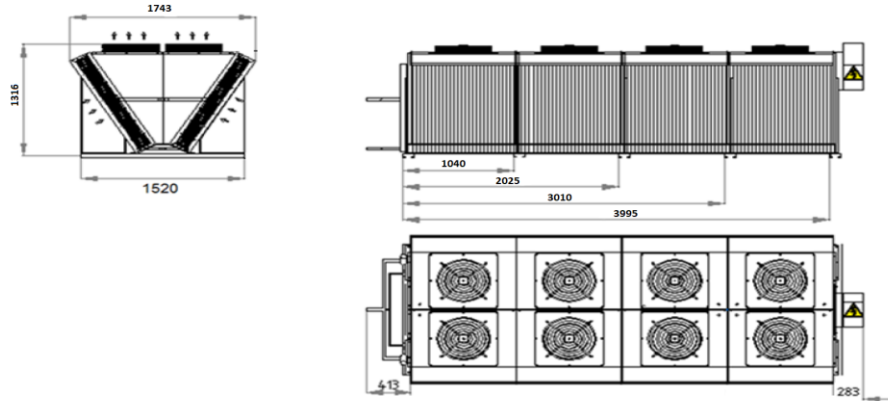
Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

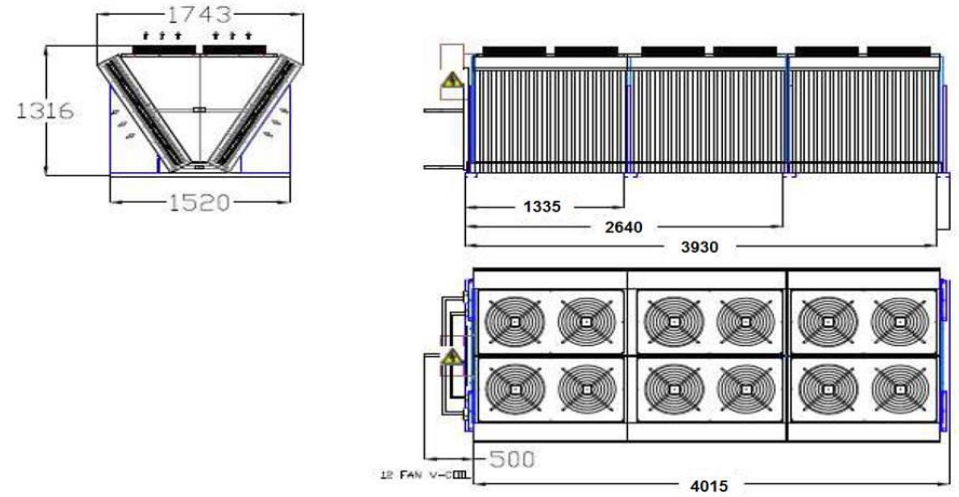
Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

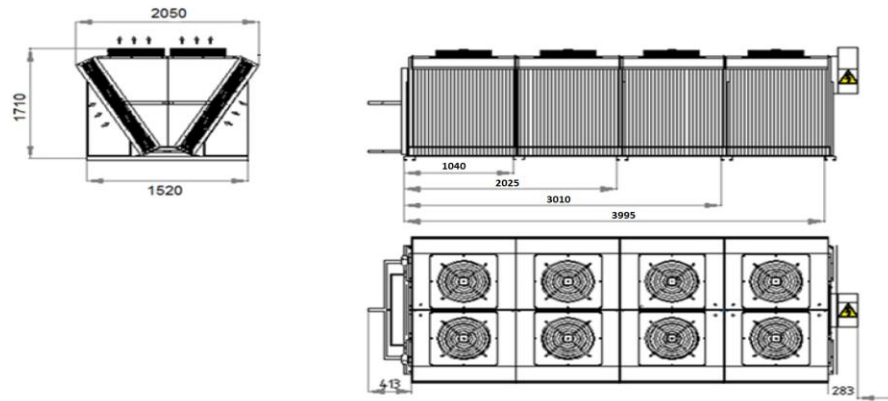
500mm FAN V-Coil Air-Cooled Condensers



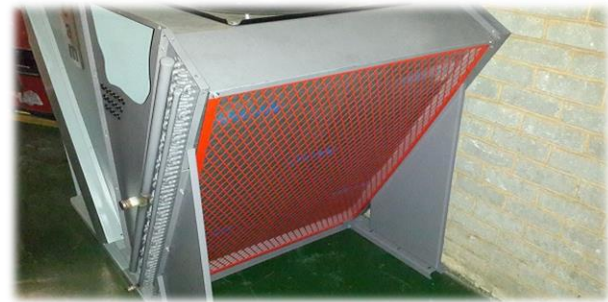
500mm 12 FAN V-Coil Air-Cooled Condensers



630mm FAN V-Coil Air-Cooled Condensers



Optional fin guard available





630mm FAN VCOIL RANGE



All fans are connected to one terminal box.

Louvered fin technology.

All fans are factory tested.

Optional fin guard

All sheet metal is fully powdercoated.

V-COIL 630mm FAN CONDENSER RANGE

AC fan, Capacities - Technical Data (Delta connected)

MODEL	THR (R404A & R507A)		Air Volume	HEADER IN	HEADER OUT	Fan Speed (Δ)	Power Input	FLA	Sound Level	Mass
	<i>Kw@10TD</i>	<i>Kw@15TD</i>	<i>m³/s</i>	<i>inch</i>	<i>inch</i>	<i>RPM</i>	<i>kW</i>	<i>A</i>	<i>dB (A)</i>	<i>kg</i>
630-2F3R	78.0	117.0	9.18	1 1/8"	7/8"	1320	2.63 X 2	4.78 X 2	83	390
630-2F4R	89.9	134.9	8.74	1 3/8"	1 1/8"	1320	2.63 X 2	4.78 X 2	83	425
630-2F5R	95.8	143.7	8.37	1 3/8"	1 1/8"	1320	2.63 X 2	4.78 X 2	83	460
630-4F3R	156.4	234.6	18.37	1 5/8"	1 3/8"	1320	2.63 X 4	4.78 X 4	86	705
630-4F4R	180.5	270.8	17.48	1 5/8"	1 3/8"	1320	2.63 X 4	4.78 X 4	86	770
630-4F5R	192.7	289.0	16.73	2 1/8"	1 5/8"	1320	2.63 X 4	4.78 X 4	86	835
630-6F3R	238.5	357.8	27.55	2 1/8"	1 5/8"	1320	2.63 X 6	4.78 X 6	88	1020
630-6F4R	265.9	398.8	26.21	2 1/8"	1 5/8"	1320	2.63 X 6	4.78 X 6	88	1115
630-6F5R	285.1	427.6	25.10	2 1/8"	1 5/8"	1320	2.63 X 6	4.78 X 6	88	1210
630-8F3R	319.0	478.6	36.74	2 1/8"	1 5/8"	1320	2.63 X 8	4.78 X 8	89	1330
630-8F4R	361.9	542.8	34.95	2 5/8"	2 1/8"	1320	2.63 X 8	4.78 X 8	89	1460
630-8F5R	386.6	579.8	33.46	2 5/8"	2 1/8"	1320	2.63 X 8	4.78 X 8	89	1590

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

AC fan, Capacities - Technical Data (Star connected)

MODEL	THR (R404A & R507A)		Air Volume	HEADER IN	HEADER OUT	Fan Speed (γ)	Power Input	FLA	Sound Level	Mass
	<i>Kw@10TD</i>	<i>Kw@15TD</i>	<i>m³/s</i>	<i>inch</i>	<i>inch</i>	<i>RPM</i>	<i>kW</i>	<i>A</i>	<i>dB (A)</i>	<i>kg</i>
630-2F3R	67.8	101.7	7.39	1 1/8"	7/8"	1050	1.75 X 2	2.95 X 2	76	390
630-2F4R	76.8	115.2	6.99	1 3/8"	1 1/8"	1050	1.75 X 2	2.95 X 2	76	425
630-2F5R	80.9	121.4	6.65	1 3/8"	1 1/8"	1050	1.75 X 2	2.95 X 2	76	460
630-4F3R	135.9	203.8	14.78	1 5/8"	1 3/8"	1050	1.75 X 4	2.95 X 4	79	705
630-4F4R	154.1	231.2	13.98	1 5/8"	1 3/8"	1050	1.75 X 4	2.95 X 4	79	770
630-4F5R	162.6	243.9	13.30	2 1/8"	1 5/8"	1050	1.75 X 4	2.95 X 4	79	835
630-6F3R	208.4	312.6	22.18	2 1/8"	1 5/8"	1050	1.75 X 6	2.95 X 6	81	1020
630-6F4R	226.5	339.7	20.96	2 1/8"	1 5/8"	1050	1.75 X 6	2.95 X 6	81	1115
630-6F5R	241.9	362.8	19.95	2 1/8"	1 5/8"	1050	1.75 X 6	2.95 X 6	81	1210
630-8F3R	277.9	416.9	29.57	2 1/8"	1 5/8"	1050	1.75 X 8	2.95 X 8	82	1330
630-8F4R	308.7	463.1	27.95	2 5/8"	2 1/8"	1050	1.75 X 8	2.95 X 8	82	1460
630-8F5R	325.9	488.9	26.60	2 5/8"	2 1/8"	1050	1.75 X 8	2.95 X 8	82	1590

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

V-COIL 630mm FAN CONDENSER RANGE

EC fan, Capacities (1510rpm) - Technical Data

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
630-2F3R	82.4	123.6	10.07	1 1/8"	7/8"	1510	3.2 X 2	5.0 X 2	86	390
630-2F4R	95.7	143.5	9.64	1 3/8"	1 1/8"	1510	3.2 X 2	5.0 X 2	86	425
630-2F5R	102.8	154.1	9.27	1 3/8"	1 1/8"	1510	3.2 X 2	5.0 X 2	86	460
630-4F3R	165.3	247.9	20.15	1 5/8"	1 3/8"	1510	3.2 X 4	5.0 X 4	89	705
630-4F4R	192.2	288.3	19.28	1 5/8"	1 3/8"	1510	3.2 X 4	5.0 X 4	89	770
630-4F5R	206.9	310.3	18.55	2 1/8"	1 5/8"	1510	3.2 X 4	5.0 X 4	89	835
630-6F3R	238.5	357.8	30.22	2 1/8"	1 5/8"	1510	3.2 X 6	5.0 X 6	91	1020
630-6F4R	283.4	425.1	28.93	2 1/8"	1 5/8"	1510	3.2 X 6	5.0 X 6	91	1115
630-6F5R	305.2	457.8	27.82	2 1/8"	1 5/8"	1510	3.2 X 6	5.0 X 6	91	1210
630-8F3R	336.8	505.1	40.30	2 1/8"	1 5/8"	1510	3.2 X 8	5.0 X 8	92	1330
630-8F4R	385.3	578.0	38.57	2 5/8"	2 1/8"	1510	3.2 X 8	5.0 X 8	92	1460
630-8F5R	415.2	622.8	37.10	2 5/8"	2 1/8"	1510	3.2 X 8	5.0 X 8	92	1590

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

EC fan, Capacities (750rpm) - Technical Data

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
630-2F3R	48.8	73.2	4.86	1 1/8"	7/8"	750	0.399 X 2	0.61 X 2	72	390
630-2F4R	54.3	81.4	4.63	1 3/8"	1 1/8"	750	0.399 X 2	0.61 X 2	72	425
630-2F5R	56.4	84.6	4.43	1 3/8"	1 1/8"	750	0.399 X 2	0.61 X 2	72	460
630-4F3R	97.7	146.6	9.72	1 5/8"	1 3/8"	750	0.399 X 4	0.61 X 4	75	705
630-4F4R	108.7	163.1	9.26	1 5/8"	1 3/8"	750	0.399 X 4	0.61 X 4	75	770
630-4F5R	113.1	169.7	8.87	2 1/8"	1 5/8"	750	0.399 X 4	0.61 X 4	75	835
630-6F3R	151.5	227.2	14.57	2 1/8"	1 5/8"	750	0.399 X 6	0.61 X 6	77	1020
630-6F4R	159.2	238.7	13.90	2 1/8"	1 5/8"	750	0.399 X 6	0.61 X 6	77	1115
630-6F5R	169.5	254.3	13.30	2 1/8"	1 5/8"	750	0.399 X 6	0.61 X 6	77	1210
630-8F3R	201.0	301.4	19.43	2 1/8"	1 5/8"	750	0.399 X 8	0.61 X 8	78	1330
630-8F4R	217.6	326.4	18.53	2 5/8"	2 1/8"	750	0.399 X 8	0.61 X 8	78	1460
630-8F5R	226.5	339.8	17.74	2 5/8"	2 1/8"	750	0.399 X 8	0.61 X 8	78	1590

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176



800mm FAN VCOIL



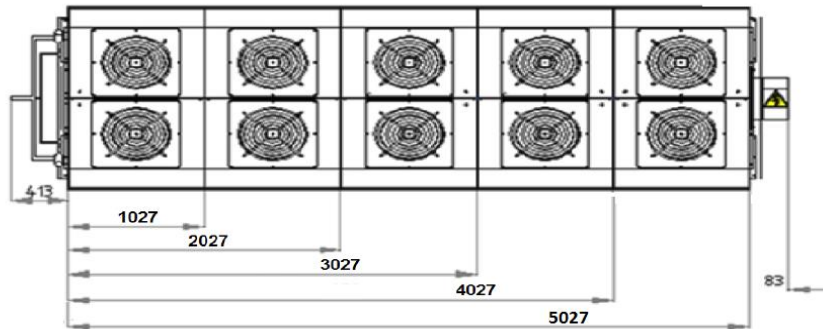
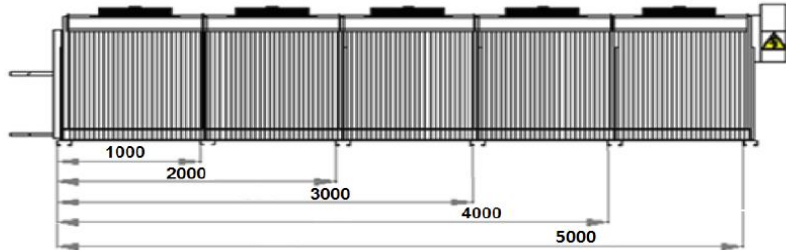
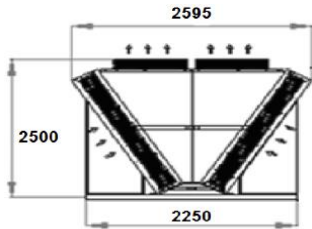
- Using louvered fin technology.**
- All fans are connected to one terminal box.**
- All fans are factory tested.**
- All sheet metal is fully powdercoated.**

V-COIL CONDENSER RANGE

AC fan, Capacities - Technical Data (Delta connected)

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed (Δ) <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
800-2F3R	99.1	148.7	10.49	1 3/8"	1 1/8"	870	1.43 X 2	2.8 X 2	79	493
800-2F4R	110.6	165.8	9.92	1 3/8"	1 1/8"	870	1.43 X 2	2.8 X 2	79	526
800-2F5R	115.5	173.2	9.44	1 3/8"	1 1/8"	870	1.43 X 2	2.8 X 2	79	559
800-4F3R	198.3	297.4	20.99	2 1/8"	1 5/8"	870	1.43 X 4	2.8 X 4	82	860
800-4F4R	221.1	331.7	19.84	2 1/8"	1 5/8"	870	1.43 X 4	2.8 X 4	82	924
800-4F5R	230.9	346.4	18.88	2 1/8"	1 5/8"	870	1.43 X 4	2.8 X 4	82	989
800-6F3R	312.5	468.7	31.48	2 1/8"	1 5/8"	870	1.43 X 6	2.8 X 6	84	1227
800-6F4R	321.3	482.0	29.77	2 5/8"	2 1/8"	870	1.43 X 6	2.8 X 6	84	1322
800-6F5R	344.1	516.1	28.32	2 5/8"	2 1/8"	870	1.43 X 6	2.8 X 6	84	1418
800-8F3R	411.5	617.3	41.98	2 5/8"	2 1/8"	870	1.43 X 8	2.8 X 8	85	1594
800-8F4R	442.2	663.4	39.69	2 5/8"	2 1/8"	870	1.43 X 8	2.8 X 8	85	1720
800-8F5R	466.7	700.0	37.76	2 5/8"	2 1/8"	870	1.43 X 8	2.8 X 8	85	1847
800-10F3R	525.9	788.9	52.47	2 5/8"	2 1/8"	870	1.43 X 10	2.8 X 10	86	1961
800-10F4R	563.5	845.2	49.61	2 5/8"	2 1/8"	870	1.43 X 10	2.8 X 10	86	2118

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.



Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

VERTICAL AIR FLOW CONDENSER

V-COIL CONDENSER RANGE

EC fan, Capacities - Technical Data

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed (Δ) <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
800-2F3R	107.9	161.8	12.33	1 3/8"	1 1/8"	1020	2.56 X 2	3.9 X 2	88	493
800-2F4R	121.5	182.3	11.75	1 3/8"	1 1/8"	1020	2.56 X 2	3.9 X 2	88	526
800-2F5R	127.9	191.9	11.25	1 3/8"	1 1/8"	1020	2.56 X 2	3.9 X 2	88	559
800-4F3R	215.7	323.6	24.66	2 1/8"	1 5/8"	1020	2.56 X 4	3.9 X 4	91	860
800-4F4R	243.0	364.5	23.49	2 1/8"	1 5/8"	1020	2.56 X 4	3.9 X 4	91	924
800-4F5R	255.8	383.7	22.50	2 1/8"	1 5/8"	1020	2.56 X 4	3.9 X 4	91	989
800-6F3R	340.6	510.9	36.99	2 1/8"	1 5/8"	1020	2.56 X 6	3.9 X 6	93	1227
800-6F4R	352.6	528.9	35.24	2 5/8"	2 1/8"	1020	2.56 X 6	3.9 X 6	93	1322
800-6F5R	380.7	571.1	33.75	2 5/8"	2 1/8"	1020	2.56 X 6	3.9 X 6	93	1418
800-8F3R	448.3	672.5	49.32	2 5/8"	2 1/8"	1020	2.56 X 8	3.9 X 8	94	1594
800-8F4R	486.1	729.1	46.98	2 5/8"	2 1/8"	1020	2.56 X 8	3.9 X 8	94	1720
800-8F5R	517.4	776.1	45.00	2 5/8"	2 1/8"	1020	2.56 X 8	3.9 X 8	94	1847
800-10F3R	573.7	860.6	61.65	2 5/8"	2 1/8"	1020	2.56 X 10	3.9 X 10	95	1961
800-10F4R	620.0	930.0	58.73	2 5/8"	2 1/8"	1020	2.56 X 10	3.9 X 10	95	2118

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

EC fan, Capacities - Technical Data

MODEL	THR (R404A & R507A)		Air Volume <i>m³/s</i>	HEADER IN <i>inch</i>	HEADER OUT <i>inch</i>	Fan Speed (Δ) <i>RPM</i>	Power Input <i>kW</i>	FLA <i>A</i>	Sound Level <i>dB (A)</i>	Mass <i>kg</i>
	<i>Kw@10TD</i>	<i>Kw@15TD</i>								
800-2F3R	79.9	119.9	8.24	1 3/8"	1 1/8"	700	0.78 X 2	1.19 X 2	79	493
800-2F4R	87.1	130.7	7.83	1 3/8"	1 1/8"	700	0.78 X 2	1.19 X 2	79	526
800-2F5R	89.4	134.1	7.47	1 3/8"	1 1/8"	700	0.78 X 2	1.19 X 2	79	559
800-4F3R	159.9	239.8	16.47	2 1/8"	1 5/8"	700	0.78 X 4	1.19 X 4	82	860
800-4F4R	174.2	261.3	15.66	2 1/8"	1 5/8"	700	0.78 X 4	1.19 X 4	82	924
800-4F5R	178.8	268.2	14.94	2 1/8"	1 5/8"	700	0.78 X 4	1.19 X 4	82	989
800-6F3R	250.9	376.3	24.71	2 1/8"	1 5/8"	700	0.78 X 6	1.19 X 6	84	1227
800-6F4R	254.1	381.2	23.49	2 5/8"	2 1/8"	700	0.78 X 6	1.19 X 6	84	1322
800-6F5R	266.6	399.9	22.41	2 5/8"	2 1/8"	700	0.78 X 6	1.19 X 6	84	1418
800-8F3R	330.7	496.0	32.94	2 5/8"	2 1/8"	700	0.78 X 8	1.19 X 8	85	1594
800-8F4R	348.4	522.6	31.32	2 5/8"	2 1/8"	700	0.78 X 8	1.19 X 8	85	1720
800-8F5R	360.9	541.4	29.88	2 5/8"	2 1/8"	700	0.78 X 8	1.19 X 8	85	1847
800-10F3R	421.6	632.5	41.18	2 5/8"	2 1/8"	700	0.78 X 10	1.19 X 10	86	1961
800-10F4R	442.6	663.9	39.15	2 5/8"	2 1/8"	700	0.78 X 10	1.19 X 10	86	2118

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND CAPACITIES WITHOUT NOTIFICATION.

Multiply correction factor

R407F	R134A	R407C
0.86	0.99	0.84

Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

VERTICAL AIR FLOW CONDENSER

Engineering Data

Altitude and Temperature Tables



Divide by the Altitude correction factor for Condenser capacities.

Altitude in m	0	100	200	300	400	500	600	700	800	900	1000
Factor	1	1.007	1.014	1.021	1.027	1.035	1.043	1.051	1.058	1.066	1.073
Altitude in m	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200
Factor	1.081	1.089	1.100	1.106	1.114	1.122	1.131	1.140	1.149	1.158	1.176

ALTITUDES AND SUMMER DRY BULB TEMPERATURES

	Altitude (m)	°C
Alexander Bay	0	32
Aliwal North	1337	35
Barberton	852	35
Bathurst	259	34
Beaufort West	863	35
Berlin	1341	30
Bethlehem	1615	32
Bloemfontein	1371	34
Bremersdorp	62	32
Cape Town	0	32
Carltonville	1341	32
Carolina	1690	33
Ceres	457	36
Clanwilliam	76	43
Craddock	873	35
De Aar	1243	35
Dundee	1250	32
Durban	0	32
East London	0	32
Ermelo	1675	32
Estcourt	1181	34
Eshowe	502	33
Fauresmith	932	35
Fort Beaufort	457	39
Francistown	1004	37
Fraserburg	1280	35
Gaberone	1007	38
George	0	31
Germiston	1665	31
Graaf-Reinet	750	40
Grahamstown	539	36
Grootfontein	1263	35
Hanover	1337	34

Harrismith	1628	31
Hope Town	1219	35
Howick	1052	35
Johannesburg	1752	32
Keetmanshoop	1004	39
Kimberley	1196	35
King Williamstown	375	37
Klerksdorp	1324	34
Knysna	0	31
Kroonstad	1348	32
Krugersdorp	1699	31
Ladysmith	1000	32
Lindley	1540	33
Louis Trichardt	961	35
Lydenburg	1470	33
Mafikeng	1272	35
Maseru	1571	33
Mbabane	1163	32
Middleburg	1447	31
Montagu	223	34
Messina	548	35
Midrand	1510	33
Nelspruit	731	34
Newcastle	1185	32
Oudtshoorn	334	37
Phalaborwa	405	36
Pietermaritzburg	762	32
Pietersburg	1301	34
Piet Retief	1271	33
Port Elizabeth	0	32
Port Shepstone	0	30
Potschefstroom	1352	33
Potgietersrus	1176	34
Pretoria	1371	34
Queenstown	1077	37
Robertson	172	35
Roodeplaat	1066	35

Rustenburg	1234	35
Thabazimbi	1028	37
Uitenhage	110	37
Umtata	701	34
Upington	804	38
Ventersdorp	1484	32
Vereeniging	1417	33
Victoria West	1269	35
Vryburg	1186	36
Warmbad	115	35
Welkom	1375	34
Wepener	1439	32
Windhoek	1728	34
Worcester	201	37



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