

Shock Freezer - Chiller

REBFT - RGBFT - RABFT

24 kW - 97 kW

HFC's - NH3 - Glycol - CO2



General description

New line of blast freezers for fast freezing of meat, fish, ice cream and ready to serve meals in tunnels where it's required high cooling capacity in a limited space.

This range of shock freezers is designed especially when the food is deposited on trolleys and it grants perfect and fast food freezing thanks special fan motors that provide high additional air static pressure.

Cooling capacity range from 24 to 97 kW

This series of air coolers is available for refrigerant fluids:

- Direct expansion evaporators HFCs
- Air coolers for brine
- Direct expansion evaporators CO2
- Pump ammonia evaporators

Wide range of models (20 standard models), fulfill every customer needs.

Heat exchanger

Fin spacing : 4, 6, 8, 10, 12 mm

Tubes material : copper or stainless steel

Fins material : aluminum

Frame material : Aluminum or galvanized steel

Available static pressure from 80 up to 150 Pa

The heat exchanger is equipped with suspending tubes system that avoid the contact between tubes and frame and it provides full protection of the heat exchanger against vibration and thermal expansion.

The evaporators are tested at 33 bar, while the glycol air coolers are tested at 15 bar.

The evaporators are supplied with 2 bar over pressure charge of dry nitrogen.

Casing

Casing manufactured from galvanized steel or aluminum epoxy powder painted color RAL 9002, corrosion resistant.

All rivets and bolts are in stainless steel material.

Stainless steel threaded drain outlet connection for all the series.

All corners of drip tray welded.

Fans

The fans meet the Erp 2015 directive.

Protection class : IP54

Design temperature : +50 / -30 °C

Tension : 400V/3ph/50Hz

Diameters (mm) : 630

Defrosting systems

Electric defrost

Light electric defrost

Water defrost

Hot glycol defrost

Hot gas defrost

Accessories

Various optional are available on request:

- Stainless steel casing
- Stainless steel tubes
- Stainless steel fins
- Epoxy painted aluminum fins
- Coil coating
- Insulated drip tray
- Safety switches
- EC fans
- Casing with special color

Ordering code

R E BFT 063 4 C 6 E 4 D
 1 2 3 4 5 6 7 8 9 10 11

1. Refteco
2. Refrigerant type (E=HFC and CO2, A=Ammonia, G=glycol)
3. Blast freezer
4. Fans position: top
5. Fan diameter (mm)
6. Number fans
7. Coil size (number of tubes rows)
8. Fins spacing
9. Type of defrost (A= air, E= electric, HG= hot gas, W= water, EL= light electric)
10. Number poles of fans
11. Fans connection (D=delta, Y=star, S=single phase)

Standard

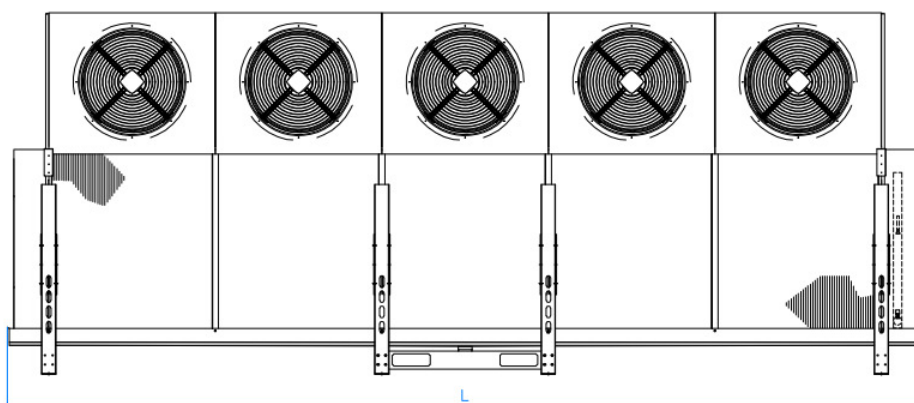
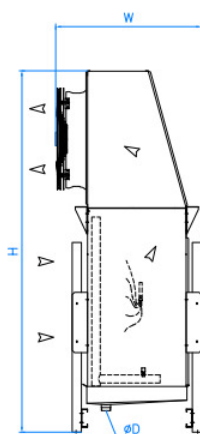
The products are designed and manufactured according to following EU Directive:

- PED 97/23/CE
- 2006/42/CE (Machinery Directive)
- 2004/108/CE (EMC Directive)
- 2006/95/CE (Low Voltage Directive)

Guarantee

The products are guaranteed for a period of 2 years from delivery date against any construction defect. Damages caused by normal wear, corrosion, faulty assembly or maintenance are excluded. The part in question shall be supplied ex-factory Refteco and the forwarding costs and assembly expenses shall be entirely borne by the customer. The guarantee shall not cover the cost of labour in replacing the components and/or products and their transport.

Dimensions



Model	L	W	H	D
R_BFT 0631	1640	980	2500	2"
R_BFT 0632	2746	980	2500	2"
R_BFT 0633	3846	980	2500	2"
R_BFT 0634	4946	980	2500	3"
R_BFT 0635	6046	980	2500	3"

REBFT 063

Fluid: R404A
 Air Temperature: 0 °C
 Relative Humidity: 85 %
 Evaporating Temp.: -8 °C
 Casing: Powder painted galvanized steel RAL 9002
 Tubes: Copper
 Fins: Aluminium
 Fans Power Input: 400V/3Ph/50Hz

Model	Capacity kW	Air Flow m³/h	Surface m²	Noise Pressure Level at 5m dB(A)	Fans mm	Fan Speed RPM	Fans Nominal Power W	Fans Nominal Current A	Connections IN mm	Connections OUT mm	Volume dm³	Weight kg
Fin Spacing: 4,0 mm												
REBFT 0631 E4	23,2	17300	145,1	61	1x630	1365	2110	4,7	16	54	14,00	330,00
REBFT 0632 E4	49,6	34700	295,8	64	2x630	1365	4220	9,4	35	64	29,00	540,00
REBFT 0633 E4	74,2	52000	446,4	65	3x630	1365	6330	14,1	35	64	42,00	780,00
REBFT 0634 E4	100,6	69400	597,0	66	4x630	1365	8440	18,8	42	76	57,00	1030,00
REBFT 0635 E4	121,7	86800	747,6	67	5x630	1365	10550	23,5	42	89	71,00	1270,00
REBFT 0631 F4	26,1	16800	174,2	61	1x630	1365	2110	4,7	22	54	17,00	350,00
REBFT 0632 F4	56,2	33700	354,9	64	2x630	1365	4220	9,4	35	64	34,00	580,00
REBFT 0633 F4	84,1	50600	535,7	65	3x630	1365	6330	14,4	35	76	51,00	830,00
REBFT 0634 F4	113,8	67500	716,4	66	4x630	1365	8440	18,8	42	76	67,00	1100,00
REBFT 0635 F4	138,4	84400	897,2	67	5x630	1365	10550	23,5	42	89	85,00	1360,00
REBFT 0631 H4	31,9	15900	232,2	61	1x630	1365	2110	4,7	28	54	22,00	380,00
REBFT 0632 H4	66,7	32000	473,2	64	2x630	1365	4220	9,4	35	64	45,00	640,00
REBFT 0633 H4	100,2	48100	714,2	65	3x630	1365	6330	14,1	42	76	67,00	920,00
REBFT 0634 H4	134,9	64200	955,2	66	4x630	1365	8440	18,8	42	89	90,00	1240,00
REBFT 0635 H4	165,5	80200	1196,2	67	5x630	1365	10550	23,5	42	89	111,00	1530,00
Fin Spacing: 6,0 mm												
REBFT 0631 E6	19,8	17800	98,7	61	1x630	1365	2110	4,7	16	54	14,00	310,00
REBFT 0632 E6	41,1	35700	201,2	64	2x630	1365	4220	9,4	35	64	29,00	500,00
REBFT 0633 E6	62,2	53500	303,6	65	3x630	1365	6330	14,1	35	64	42,00	710,00
REBFT 0634 E6	83,1	71400	406,1	66	4x630	1365	8440	18,8	42	76	57,00	950,00
REBFT 0635 E6	103,4	89200	508,5	67	5x630	1365	10550	23,5	42	89	71,00	1170,00
REBFT 0631 F6	22,6	17400	118,5	61	1x630	1365	2110	4,7	22	54	17,00	310,00
REBFT 0632 F6	47,1	34900	241,4	64	2x630	1365	4220	9,4	35	64	34,00	530,00
REBFT 0633 F6	71,4	52400	364,3	65	3x630	1365	6330	14,4	35	76	51,00	750,00
REBFT 0634 F6	95,3	70000	487,3	66	4x630	1365	8440	18,8	42	76	67,00	1000,00
REBFT 0635 F6	118,9	87400	610,2	67	5x630	1365	10550	23,5	42	89	85,00	1240,00
REBFT 0631 H6	27,9	16700	158,0	61	1x630	1365	2110	4,7	28	54	22,00	350,00
REBFT 0632 H6	57,3	33400	321,9	64	2x630	1365	4220	9,4	35	64	45,00	580,00
REBFT 0633 H6	86,9	50200	485,8	65	3x630	1365	6330	14,1	42	76	67,00	830,00
REBFT 0634 H6	115,8	67000	649,7	66	4x630	1365	8440	18,8	42	89	90,00	1110,00
REBFT 0635 H6	145,0	83800	813,6	67	5x630	1365	10550	23,5	42	89	111,00	1370,00

Model	Capacity kW	Air Flow m ³ /h	Surface m ²	Noise Pressure Level at 5m dB(A)	Fans mm	Fan Speed RPM	Fans Nominal Power W	Fans Nominal Current A	Connections IN mm	Connections OUT mm	Volume dm ³	Weight kg
Fin Spacing: 8,0 mm												
REBFT 0631 E8	17,4	18100	75,5	61	1x630	1365	2110	4,7	16	54	14,00	290,00
REBFT 0632 E8	35,4	36200	153,9	64	2x630	1365	4220	9,4	35	64	29,00	480,00
REBFT 0633 E8	53,9	54300	232,2	65	3x630	1365	6330	14,1	35	64	42,00	68,00
REBFT 0634 E8	71,5	72500	310,6	66	4x630	1365	8440	18,8	42	76	57,00	910,00
REBFT 0635 E8	90,4	90600	389,0	67	5x630	1365	10550	23,5	42	89	71,00	1120,00
REBFT 0631 F8	20,0	17800	90,6	61	1x630	1365	2110	4,7	22	54	17,00	300,00
REBFT 0632 F8	40,9	35600	184,6	64	2x630	1365	4220	9,4	35	64	34,00	500,00
REBFT 0633 F8	62,3	53400	278,7	65	3x630	1365	6330	14,4	35	76	51,00	720,00
REBFT 0634 F8	82,6	71200	372,7	66	4x630	1365	8440	18,8	42	76	67,00	960,00
REBFT 0635 F8	104,6	89000	466,7	67	5x630	1365	10550	23,5	42	89	85,00	1170,00
REBFT 0631 H8	24,9	17100	120,8	61	1x630	1365	2110	4,7	28	54	22,00	320,00
REBFT 0632 H8	50,4	34300	246,2	64	2x630	1365	4220	9,4	35	64	45,00	540,00
REBFT 0633 H8	77,0	51500	371,6	65	3x630	1365	6330	14,1	42	76	67,00	780,00
REBFT 0634 H8	101,9	68700	496,9	66	4x630	1365	8440	18,8	42	89	90,00	1050,00
REBFT 0635 H8	129,3	85900	622,3	67	5x630	1365	10550	23,5	42	89	111,00	1290,00
Fin Spacing: 10,0 mm												
REBFT 0631 E10	15,6	18300	61,6	61	1x630	1365	2110	4,7	16	54	14,00	290,00
REBFT 0632 E10	31,3	36600	125,5	64	2x630	1365	4220	9,4	35	64	29,00	470,00
REBFT 0633 E10	48,0	54900	189,4	65	3x630	1365	6330	14,1	35	64	42,00	670,00
REBFT 0634 E10	63,3	73200	253,3	66	4x630	1365	8440	18,8	42	76	57,00	880,00
REBFT 0635 E10	80,8	91500	317,2	67	5x630	1365	10550	23,5	42	89	71,00	1090,00
REBFT 0631 F10	18,0	18000	73,9	61	1x630	1365	2110	4,7	22	54	17,00	290,00
REBFT 0632 F10	36,4	36000	150,6	64	2x630	1365	4220	9,4	35	64	34,00	490,00
REBFT 0633 F10	55,7	54000	227,3	65	3x630	1365	6330	14,4	35	76	51,00	690,00
REBFT 0634 F10	73,5	72100	304,0	66	4x630	1365	8440	18,8	42	76	67,00	930,00
REBFT 0635 F10	93,9	90100	380,7	67	5x630	1365	10550	23,5	42	89	85,00	1140,00
REBFT 0631 H10	22,5	17400	98,5	61	1x630	1365	2110	4,7	28	54	22,00	310,00
REBFT 0632 H10	45,3	34900	200,8	64	2x630	1365	4220	9,4	35	64	45,00	530,00
REBFT 0633 H10	69,5	52400	303,0	65	3x630	1365	6330	14,1	42	76	67,00	750,00
REBFT 0634 H10	91,6	69900	405,3	66	4x630	1365	8440	18,8	42	89	90,00	1010,00
REBFT 0635 H10	117,2	87300	507,5	67	5x630	1365	10550	23,5	42	89	111,00	1240,00
Fin Spacing: 12,0 mm												
REBFT 0631 E12	14,2	18400	52,3	61	1x630	1365	2110	4,7	16	54	14,00	280,00
REBFT 0632 E12	28,3	36900	106,6	64	2x630	1365	4220	9,4	35	64	29,00	460,00
REBFT 0633 E12	43,5	55300	160,8	65	3x630	1365	6330	14,1	35	64	42,00	650,00
REBFT 0634 E12	57,2	73700	215,1	66	4x630	1365	8440	18,8	42	76	57,00	870,00
REBFT 0635 E12	73,5	92100	269,4	67	5x630	1365	10550	23,5	42	89	71,00	1070,00
REBFT 0631 F12	16,5	18100	62,8	61	1x630	1365	2110	4,7	22	54	17,00	280,00
REBFT 0632 F12	33,0	36300	127,9	64	2x630	1365	4220	9,4	35	64	34,00	480,00
REBFT 0633 F12	50,7	54500	193,0	65	3x630	1365	6330	14,4	35	76	51,00	680,00

Model	Capacity kW	Air Flow m ³ /h	Surface m ²	Noise Pressure Level at 5m dB(A)	Fans mm	Fan Speed RPM	Fans Nominal Power W	Fans Nominal Current A	Connections IN mm	Connections OUT mm	Volume dm ³	Weight kg
REBFT 0634 F12	66,6	72700	258,1	66	4x630	1365	8440	18,8	42	76	67,00	910,00
REBFT 0635 F12	85,7	90800	323,3	67	5x630	1365	10550	23,5	42	89	85,00	1110,00
REBFT 0631 H12	20,7	17600	83,7	61	1x630	1365	2110	4,7	28	54	22,00	300,00
REBFT 0632 H12	41,4	35300	170,5	64	2x630	1365	4220	9,4	35	64	45,00	510,00
REBFT 0633 H12	63,6	53000	257,3	65	3x630	1365	6330	14,1	42	76	67,00	730,00
REBFT 0634 H12	83,6	70700	344,2	66	4x630	1365	8440	18,8	42	89	90,00	980,00
REBFT 0635 H12	107,6	88300	431,0	67	5x630	1365	10550	23,5	42	89	111,00	1210,00

REBFT 063

Fluid: R404A
 Air Temperature: -22 °C
 Relative Humidity: 85 %
 Evaporating Temp.: -30 °C
 Casing: Powder painted galvanized steel RAL 9002
 Tubes: Copper
 Fins: Aluminium
 Fans Power Input: 400V/3Ph/50Hz

Model	Capacity kW	Air Flow m³/h	Surface m²	Noise Pressure Level at 5m dB(A)	Fans mm	Fan Speed RPM	Fans Nominal Power W	Fans Nominal Current A	Connections IN mm	Connections OUT mm	Volume dm³	Weight kg
Fin Spacing: 8,0 mm												
REBFT 0631 E8	14,0	18200	75,5	61	1x630	1365	2110	4,7	16	54	14,00	290,00
REBFT 0632 E8	31,7	36400	153,9	64	2x630	1365	4220	9,4	35	64	29,00	480,00
REBFT 0633 E8	46,1	54600	232,2	65	3x630	1365	6330	14,1	35	64	42,00	680,00
REBFT 0634 E8	64,3	72800	310,6	66	4x630	1365	8440	18,8	42	76	57,00	910,00
REBFT 0635 E8	73,8	91100	389,0	67	5x630	1365	10550	23,5	42	89	71,00	1120,00
REBFT 0631 F8	17,9	17900	90,6	61	1x630	1365	2110	4,7	22	54	17,00	300,00
REBFT 0632 F8	36,6	35800	184,6	64	2x630	1365	4220	9,4	35	64	34,00	500,00
REBFT 0633 F8	53,4	53800	278,7	65	3x630	1365	6330	14,4	35	76	51,00	720,00
REBFT 0634 F8	74,2	71700	372,7	66	4x630	1365	8440	18,8	42	76	67,00	960,00
REBFT 0635 F8	85,5	89600	466,7	67	5x630	1365	10550	23,5	42	89	85,00	1170,00
REBFT 0631 H8	20,6	17300	120,8	61	1x630	1365	2110	4,7	28	54	22,00	320,00
REBFT 0632 H8	45,2	34700	246,2	64	2x630	1365	4220	9,4	35	64	45,00	540,00
REBFT 0633 H8	66,0	52100	371,6	65	3x630	1365	6330	14,1	42	76	67,00	780,00
REBFT 0634 H8	91,4	69400	496,9	66	4x630	1365	8440	18,8	42	89	90,00	1050,00
REBFT 0635 H8	106,4	86800	622,3	67	5x630	1365	10550	23,5	42	89	111,00	1290,00
Fin Spacing: 10,0 mm												
REBFT 0631 E10	12,9	18400	61,6	61	1x630	1365	2110	4,7	16	54	14,00	290,00
REBFT 0632 E10	28,6	36700	125,5	64	2x630	1365	4220	9,4	35	64	29,00	470,00
REBFT 0633 E10	42,0	55100	189,4	65	3x630	1365	6330	14,1	35	64	42,00	670,00
REBFT 0634 E10	58,0	73500	253,3	66	4x630	1365	8440	18,8	42	76	57,00	880,00
REBFT 0635 E10	67,7	91900	317,2	67	5x630	1365	10550	23,5	42	89	71,00	1090,00
REBFT 0631 F10	14,8	18100	73,9	61	1x630	1365	2110	4,7	22	54	17,00	290,00
REBFT 0632 F10	33,2	36200	150,6	64	2x630	1365	4220	9,4	35	64	34,00	490,00
REBFT 0633 F10	48,7	54300	227,3	65	3x630	1365	6330	14,4	35	76	51,00	690,00
REBFT 0634 F10	67,1	72500	304,0	66	4x630	1365	8440	18,8	42	76	67,00	930,00
REBFT 0635 F10	78,7	90600	380,7	67	5x630	1365	10550	23,5	42	89	85,00	1140,00
REBFT 0631 H10	19,1	17600	98,5	61	1x630	1365	2110	4,7	28	54	22,00	310,00
REBFT 0632 H10	41,5	35200	200,8	64	2x630	1365	4220	9,4	35	64	45,00	530,00
REBFT 0633 H10	60,8	52800	303,0	65	3x630	1365	6330	14,1	42	76	67,00	750,00
REBFT 0634 H10	83,9	70500	405,3	66	4x630	1365	8440	18,8	42	89	90,00	1010,00
REBFT 0635 H10	98,6	8810	507,5	67	5x630	1365	10550	23,5	42	89	111,00	1240,00

Fin Spacing: 12,0 mm												
REBFT 0631 E12	12,0	18500	52,3	61	1x630	1365	2110	4,7	16	54	14,00	280,00
REBFT 0632 E12	26,3	37000	106,6	64	2x630	1365	4220	9,4	35	64	29,00	460,00
REBFT 0633 E12	38,6	55500	160,8	65	3x630	1365	6330	14,1	35	64	42,00	650,00
REBFT 0634 E12	53,3	74000	215,1	66	4x630	1365	8440	18,8	42	76	57,00	870,00
REBFT 0635 E12	62,7	92500	269,4	67	5x630	1365	10550	23,5	42	89	71,00	1070,00
REBFT 0631 F12	13,8	18200	62,8	61	1x630	1365	2110	4,7	22	54	17,00	280,00
REBFT 0632 F12	30,6	36500	127,9	64	2x630	1365	4220	9,4	35	64	34,00	480,00
REBFT 0633 F12	44,9	54800	193,0	65	3x630	1365	6330	14,4	35	76	51,00	680,00
REBFT 0634 F12	61,9	73000	258,1	66	4x630	1365	8440	18,8	42	76	67,00	910,00
REBFT 0635 F12	73,1	91300	323,3	67	5x630	1365	10550	23,5	42	89	85,00	1110,00
REBFT 0631 H12	18,0	17700	83,7	61	1x630	1365	2110	4,7	28	54	22,00	300,00
REBFT 0632 H12	38,2	35600	170,5	64	2x630	1365	4220	9,4	35	64	45,00	510,00
REBFT 0633 H12	56,9	53400	257,3	65	3x630	1365	6330	14,1	42	76	67,00	730,00
REBFT 0634 H12	77,3	71200	344,2	66	4x630	1365	8440	18,8	42	89	90,00	980,00
REBFT 0635 H12	92,0	89000	431,0	67	5x630	1365	10550	23,5	42	89	111,00	1210,00