

CATALOGUE 2018



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Air-cooled condensing unit without compressor



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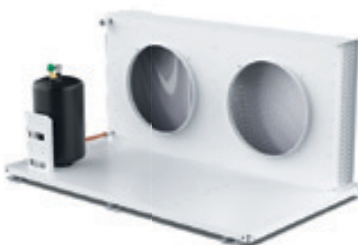




1	2	3	4	5	6	7	8	9
TF	B	16	2	450	10	WPH	FH	FWG

OPTIONAL ACCESSORIES

1	TF	Technofriga Product			
2	B	Unit Without Compressor			
3	16	Condenser Model - USAC 16M			
4	2	Number Of Fans			
5	450	Fan Diameter			
6	10	Receiver Volume			
7	WPH	Weather Protective Housing			
8	FH	Fan Hidria			
9	FWG	Fan Weiguang			





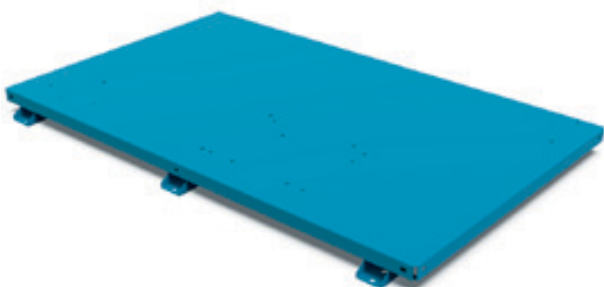
Condensers

- High efficient condensers with special wavy fins and grooved tubes
- High capacity with low air quantity
- Compact design and reduction of the internal volume and refrigerant charge
- Can be used with LOW-GWP refrigerants
- Wide range from 5,9 kW to 120 kW

Copper tubes 7x0.25 Grooved; Geometry 25x21.6; Fin material Al-Corrugated; Fin Space 2,5mm; Fin Thickness 0,1 mm
Copper tubes 9x0.28 Grooved; Geometry 25x21.6; Fin material Al-Corrugated; Fin Space 3,2mm; Fin Thickness 0,1 mm

Receivers and components

- Wide range high quality receivers from 3,4 to 50 liters
- Max working pressure 33 bar
- Top outlet with rotalock connection
- With basement
- High quality rotalock valves with two connections 1/4 "flare/sae
- Safety valves with different sizes and set pressure 29 bar



Metal base

- Produced from carbon steel with special treatment and thickness 3 mm
- Robust design and compact dimensions
- Additional supports under compressor
- Whole metal base-easy to install different components
- Holes for components and different type of compressors made with punching machine
- Special supports for antivibration dampers

Powder Painting

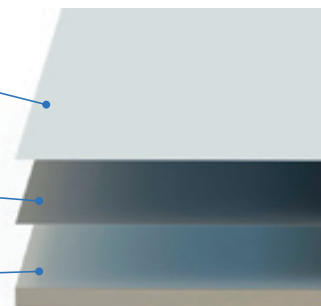
- Cleaning before painting
- Powder painting with controlled thickness of the coating
- Two coatings-protective and main color (**RAL 5009**)



Paint Coating
RAL 5009

ZN Coating

Metal Base
2mm/3mm thick Carbon Steel

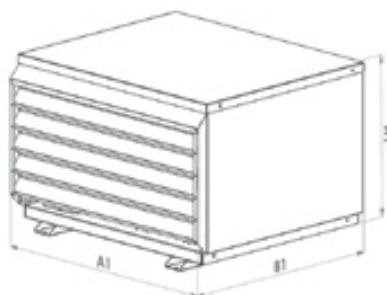
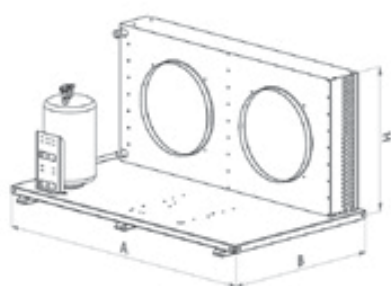


Weather protective housing

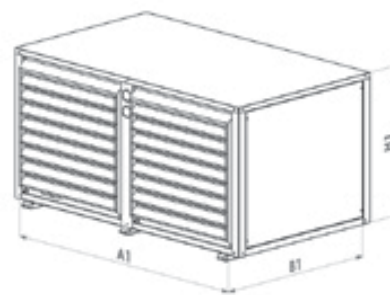
- Produced from carbon steel with special treatment and thickness 1.2 and 2 mm
- Compact design
- Easy assembly
- Powder-coated in RAL 7035 WRI

The range consists of 33 models.

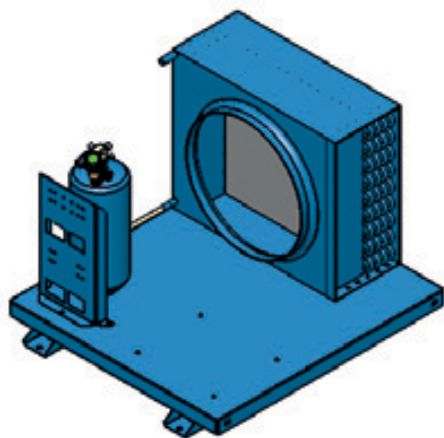
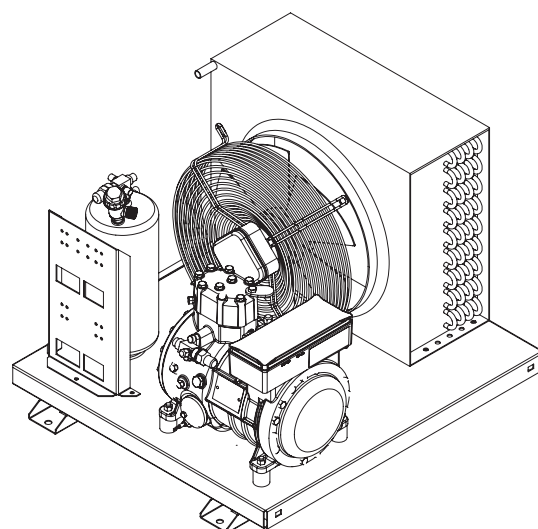
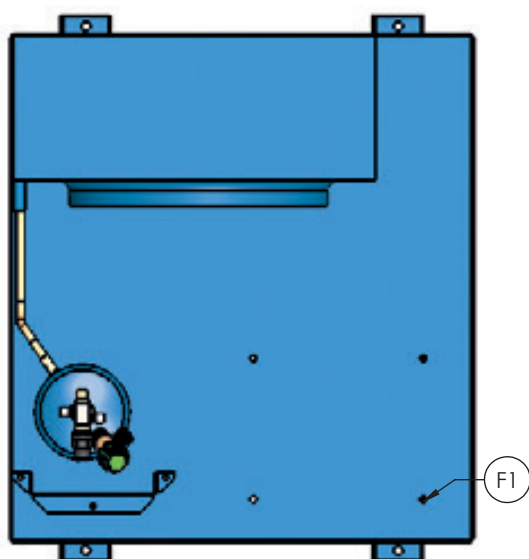
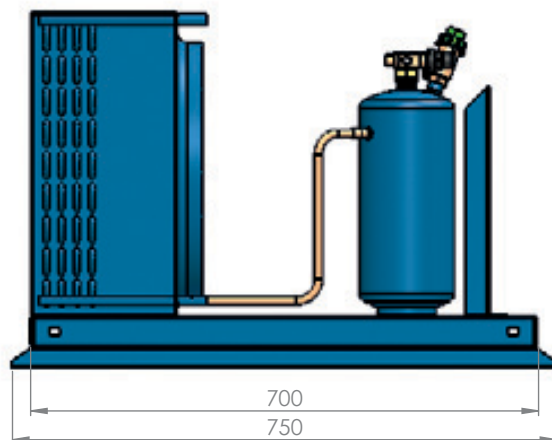
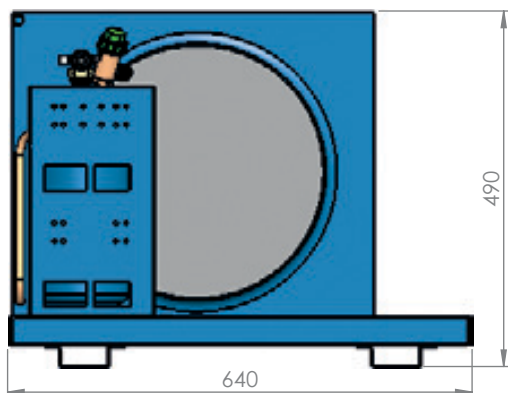
<u>NOMENCLATURE</u>	<u>DIMENSIONS</u>						
	Unit Without Compressor			WPH <i>Weather Protective Housing</i>			
	A	B	H	A1	B1	H1	<i>WPH Type I</i>
	mm	mm	mm	mm	mm	mm	
TFB - (03) - 1/350-3,4	640	750	490	695	765	520	<i>WPH Type I</i>
TFB - (06) - 1/400-3,4 (5.3)	710	780	550	765	795	580	
TFB - (07) - 2/350-5,3 (7.6)	935	850	525	990	865	555	
TFB - (08) - 2/400-7,6 (10)	1010	900	595	1065	915	625	
TFB - (16) - 2/450-10 (12/16)	1470	950	705	1490	950	740	<i>WPH Type II</i>
TFB - (17) - 2/450-12 (16/20)	1470	950	705	1490	950	740	
TFB - (18) - 2/500-12 (16/20/24.5)	1620	1050	880	1640	1050	915	
TFB - (19) - 2/500-12 (16/20/24.5/30)	1620	1050	880	1640	1050	915	
TFB - (14) - 4/450-20 (24.5/30)	1470	1150	1330	1490	1150	1365	
TFB - (20) - 4/500-24,5 (30)	1470	1150	1330	1490	1150	1365	
TFB - (85) - 4/500-24,5 (30)	1720	1150	1680	1740	1150	1715	
TFB - (100) - 4/500-30 (40)	1720	1150	1680	1740	1150	1715	
TFB - (120) - 4/500-30 (50)	1720	1150	1680	1740	1150	1715	



WPH Type I



WPH Type II

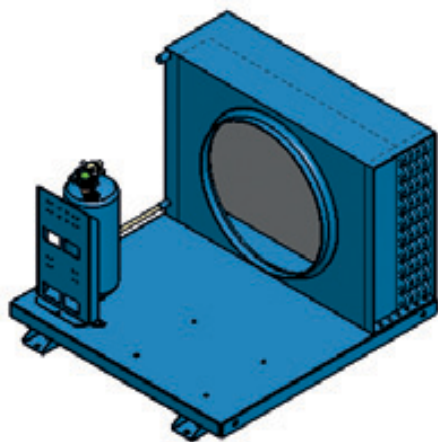
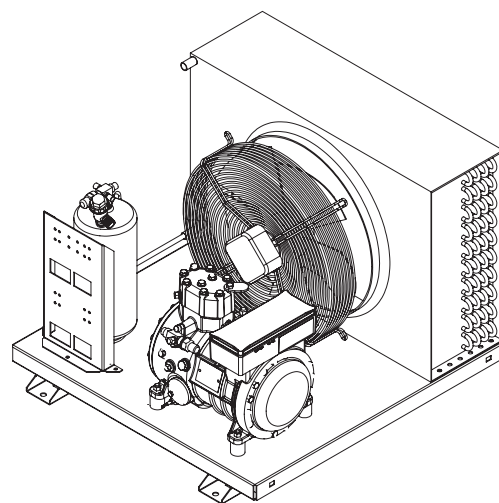
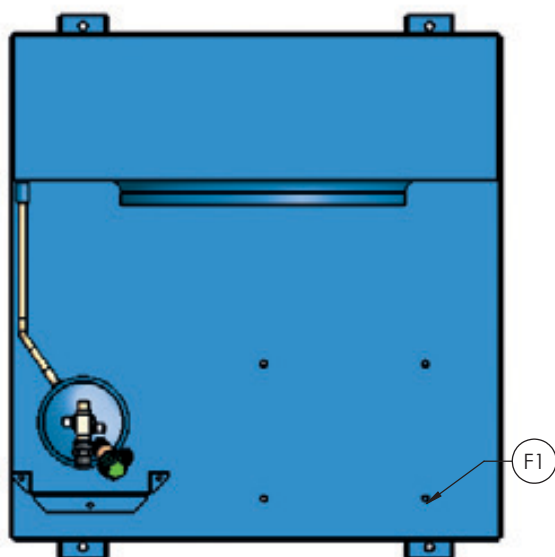
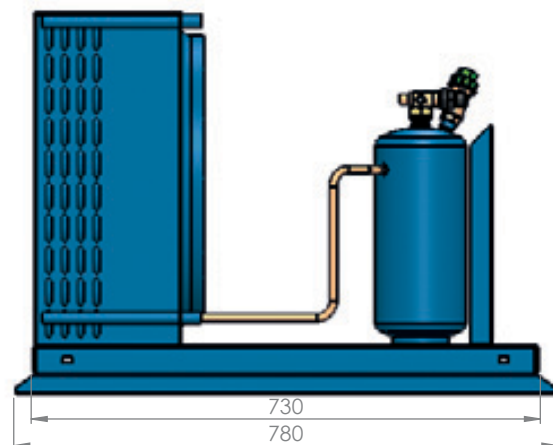
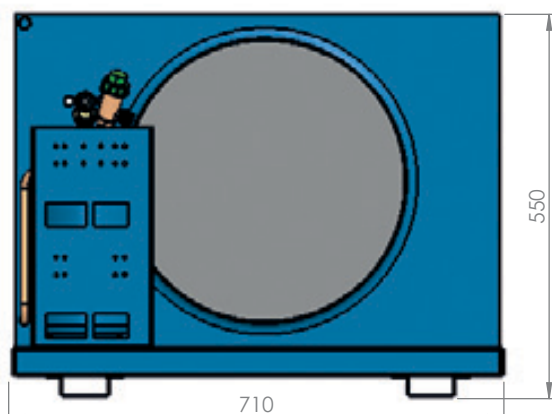


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (03) - 1/350-3,4	3,4	10	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F1 (234x194)	A0.7-5Y	MT - ST
		A0.7-5Y	LT - ST
		A1-6Y	MT - ST
		A1-6Y	LT - ST
		A1-7Y	LT - ST
		B1.5-9Y	MT - ST
		B1.5-9Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG				Hidra			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	350	1380	YWF-4E-350-S-102/34-G	---	---	1360	R09R-3530HA-4M-4237	1425/1315	R09R-3530HA-4T-4258

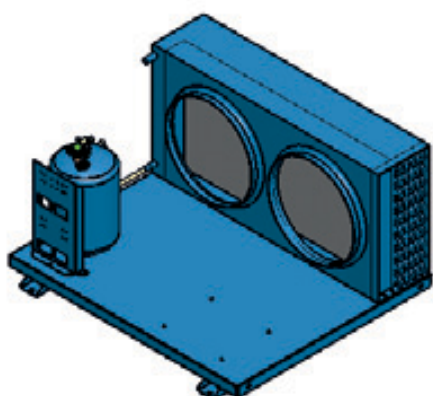
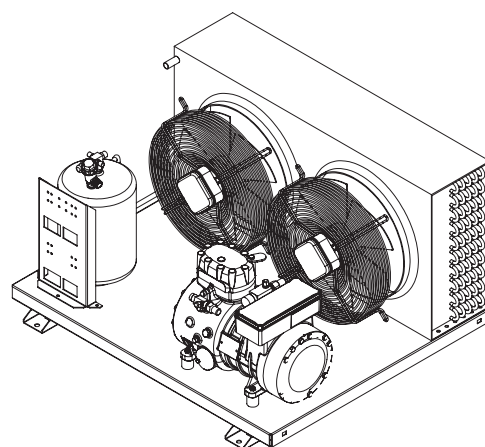
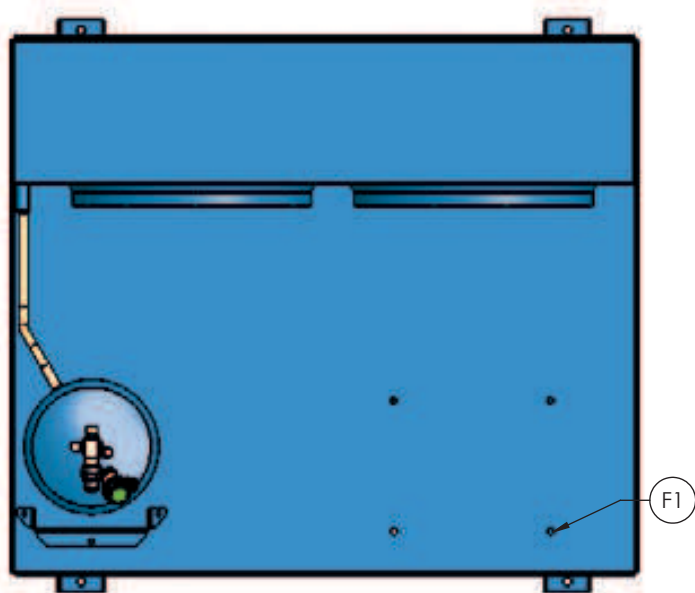
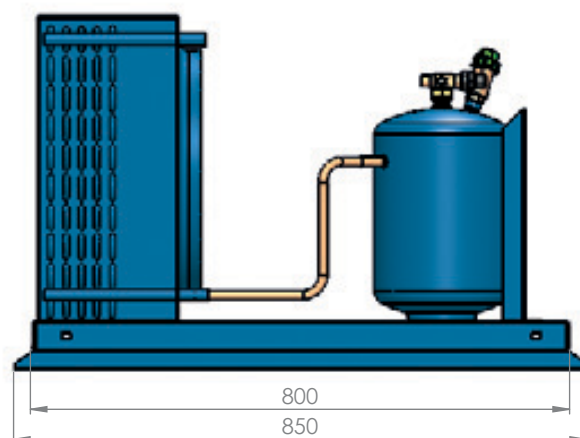
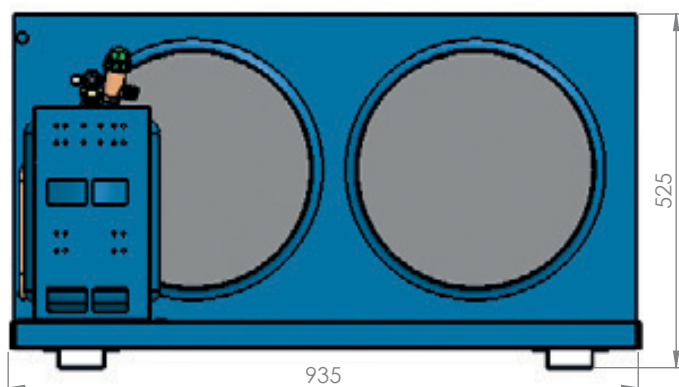


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (06) - 1/400-3,4	3,4	10	
TFB - (06) - 1/400-5,3	5,3	12	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F1 (234x194)	A1 5-7Y	MT - ST
		A1 5-7Y	LT - ST
		B2-10.1Y	MT - ST
		B2-10.1Y	LT - ST
		D2-11.1Y	MT - ST
		D3-13.1Y	MT - ST
		D2-11.1Y	LT - ST
		D2-13.1Y	LT - ST
		D3-16.1Y	LT - ST
		D3-16.1Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				Horia			
			230V-1		400V-3		230V-1		400V-3
	400	1380	YWF-4E-400-S-102/47-G	---	---	1310	R11R-40LPS-4M-5150	1360	R11R-40LPS-4T-3854

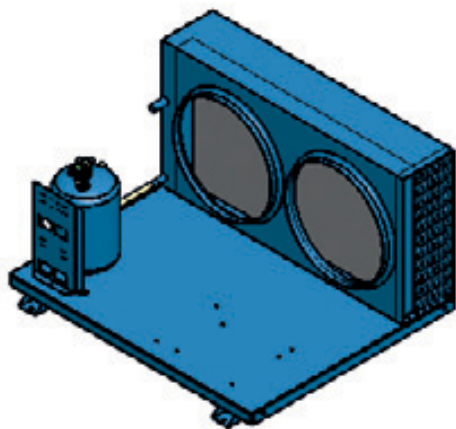
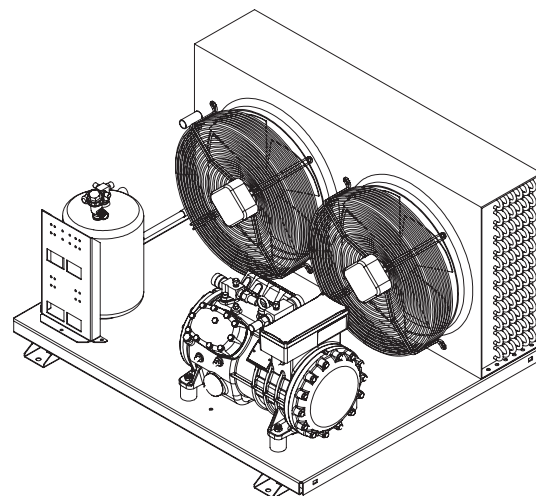
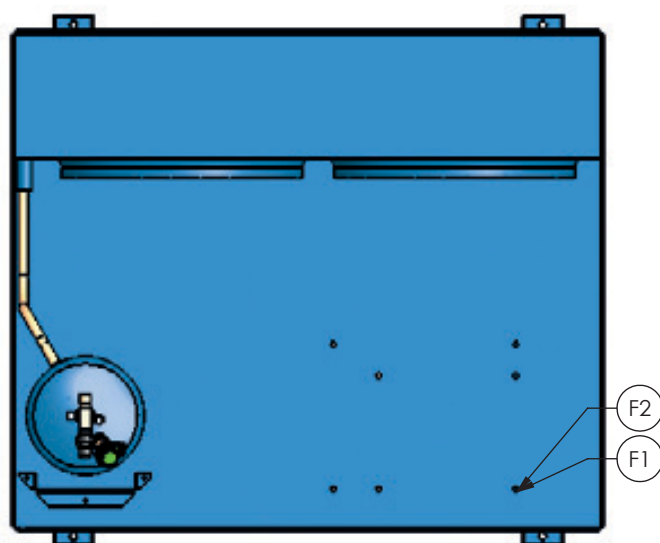
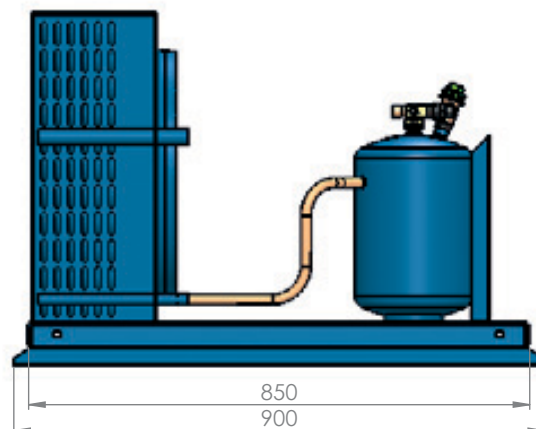
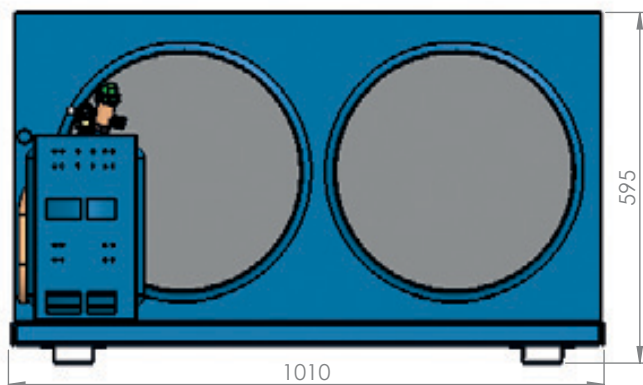


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (07) - 2/350-5,3	5,3	12	
TFB - (07) - 2/350-7,6	7,6	12	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F1 (234x194)	A0.7-5Y	MT - HA
		A1-6Y	MT - HA
		A1.5-7Y	MT - HA
		A1-6Y	LT - HA
		A1-7Y	LT - HA
		A1.5-7Y	LT - HA
		B1.5-9.1Y	MT - HA
		B2-10.1Y	MT - HA
		B1.5-9.1Y	LT - HA
		B2-10.1Y	LT - HA
		D2-11.1Y	MT - ST
		D3-13.1Y	MT - ST
		D2-11.1Y	LT - ST
		D2-13.1Y	LT - ST
		D3-16.1Y	LT - ST
		D3-18.1Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

		WEIGUANG MOTORS & FANS				Horn			
NUMBER OF FANS	FAN DIAMETER ø mm	 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	350	1180	YWF-4E-350-S-102/34-G	—	—	1340	R09R-3530HA-4M-4237	1425/1315	R09R-3530HA-4T-4258

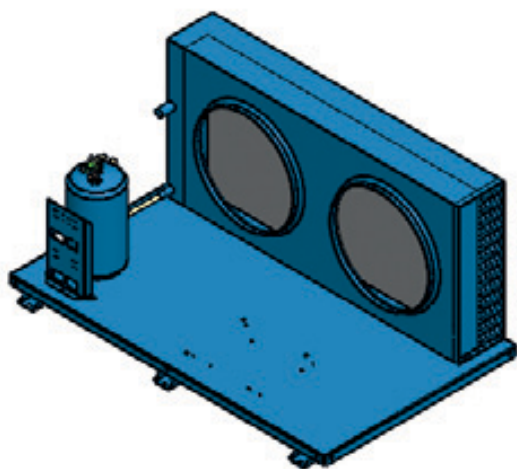
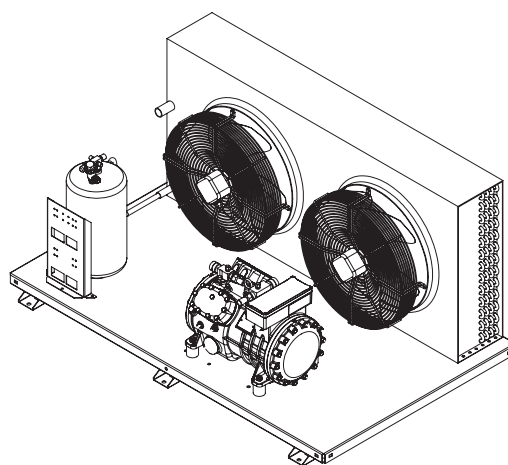
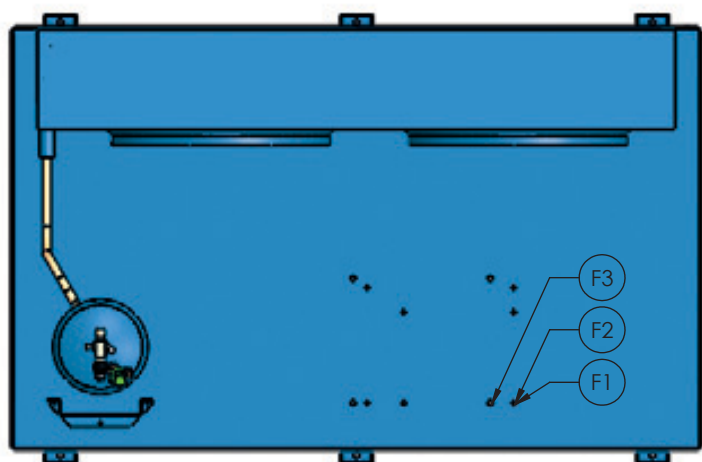
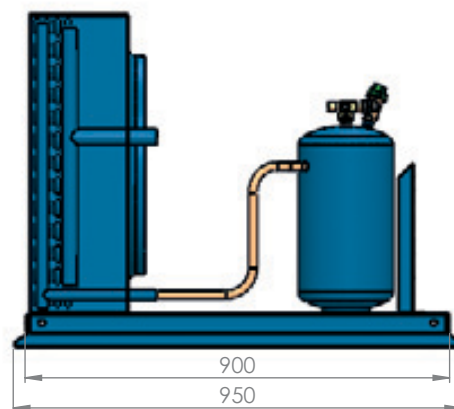
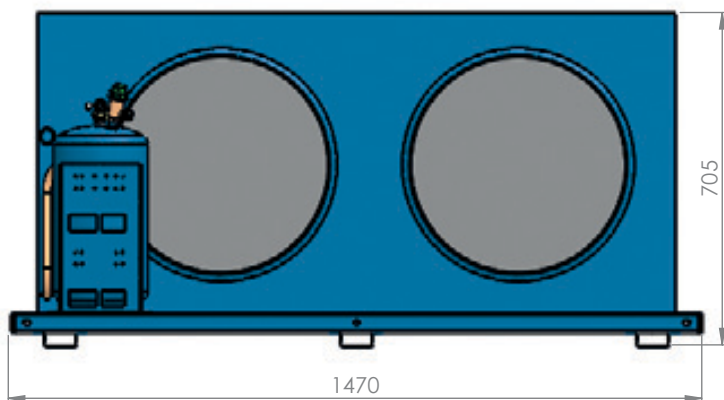


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB -(08) - 2/400-7.6	7,6	12	
TFB -(08) - 2/400-10	10	16	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD 	F1 (234x194)	D4-16 1Y	MT - ST
		D2-11 1Y	MT - HA
		D2-11 1Y	LT - HA
		D2-13 1Y	LT - HA
		D3-18 1Y	LT - HA
	F2 (312x246)	Q5-24 1Y	MT - ST
		Q4-20 1Y	LT - ST
		Q4-24 1Y	LT - ST
		Q5-28 1Y	LT - ST
		Q5-33 1Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				HMTA			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	400	1380	YWF-4E-400-S-102/47-G	—	—	1310	R11R-40LPS-4M-5150	1360	R11R-40LPS-4T-3854

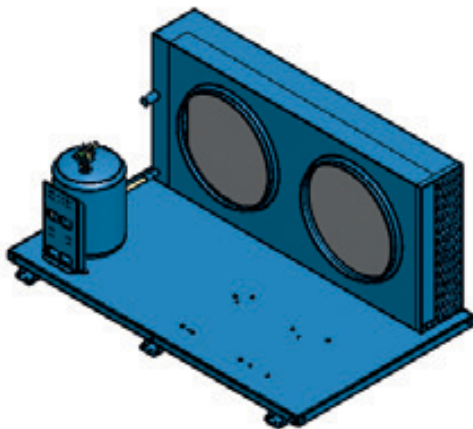
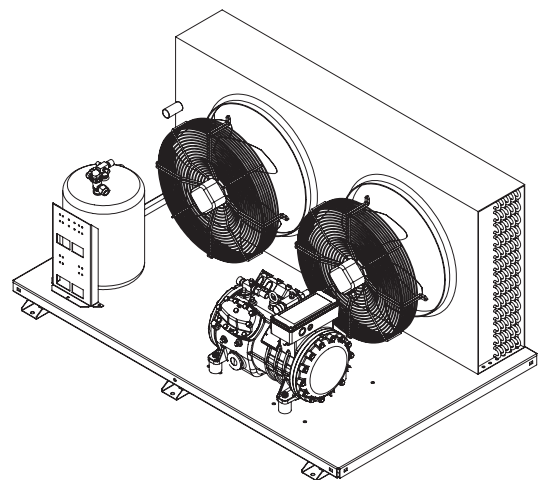
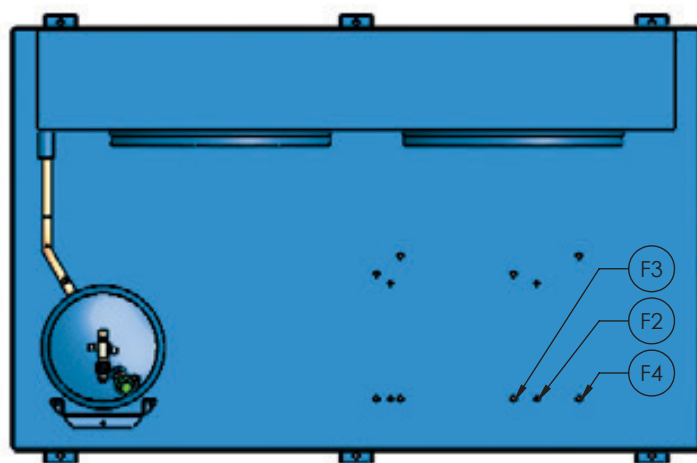
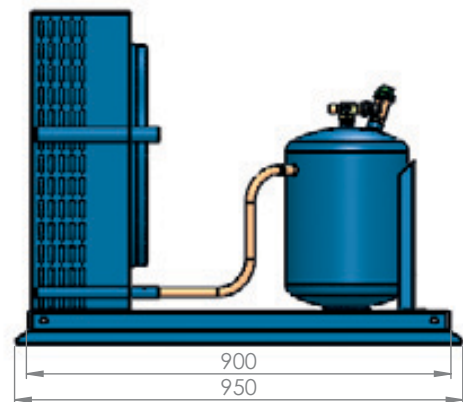
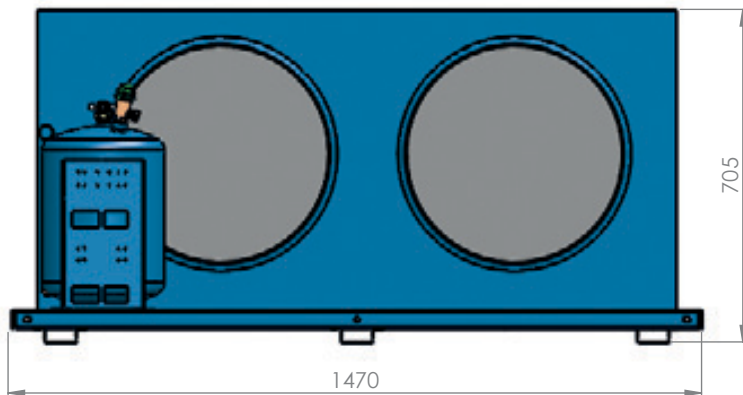


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (16) - 2/450-10	10	16	
TFB - (16) - 2/450-12	12	16	
TFB - (16) - 2/450-16	16	18	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOL 	F1 (234x194)	D3-13.1Y	MT - HA
		D4-18.1Y	MT - HA
		D3-16.1Y	LT - HA
		Q5-21.1Y	MT - ST
	F2 (312x246)	Q7-28.1Y	MT - ST
		Q5-24.1Y	MT - HA
		Q5-36.1Y	LT - ST
		Q4-20.1Y	LT - HA
		Q4-24.1Y	LT - HA
		Q5-28.1Y	LT - HA
		Q5-33.1Y	LT - HA
	F3 (202x200)	S8-42Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hofma			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-5150	1250	R11R-45LPS-4T-5757

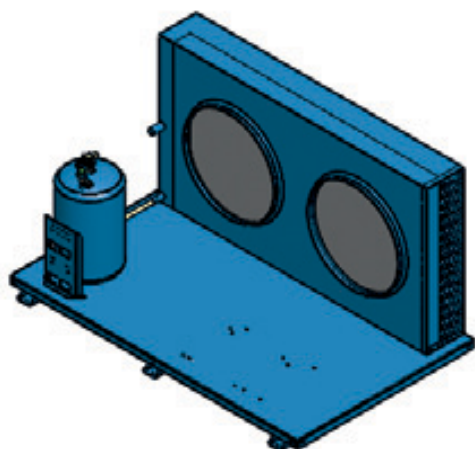
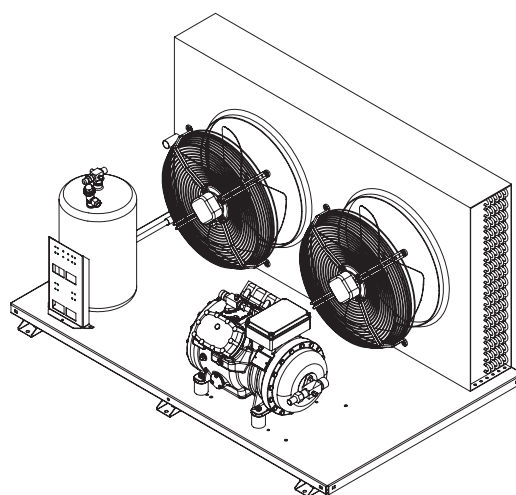
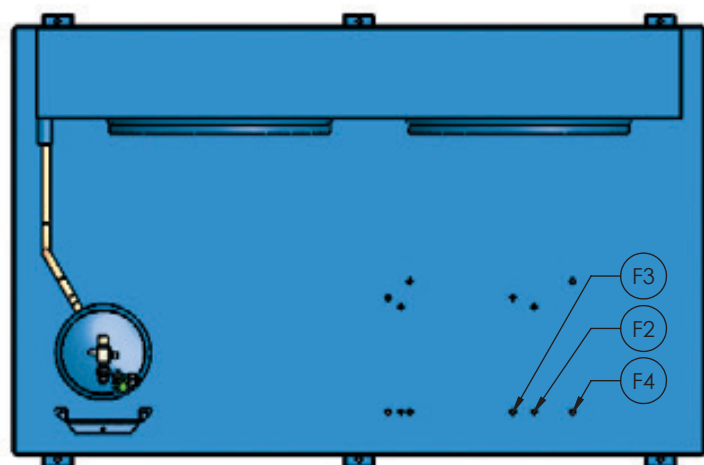
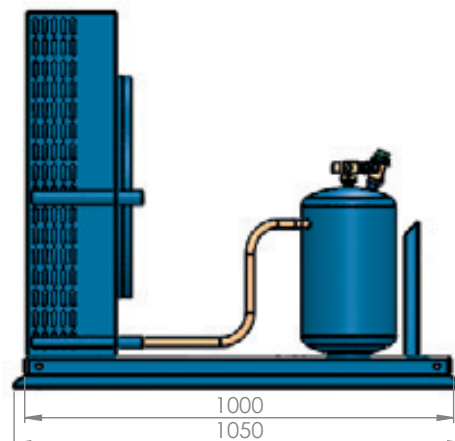
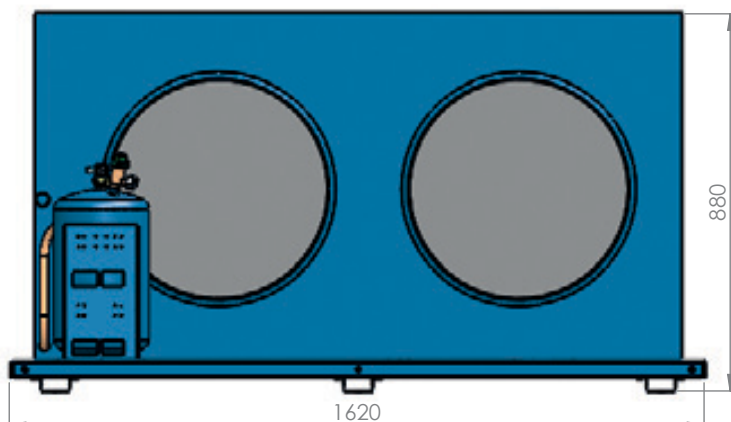


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (17) - 2/450-12	12	16	
TFB - (17) - 2/450-16	16	18	
TFB - (17) - 2/450-20	20	18	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F2 (312x244)	Q7-33.1Y	MT - ST
		Q7-38.1Y	LT - ST
	F3 (292x264)	S10-52Y	LT - ST
	F4 (381x305)	V15-71Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG MOTORS & PUMPS				HITACHI			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-5150	1250	R11R-45LPS-4T-5757

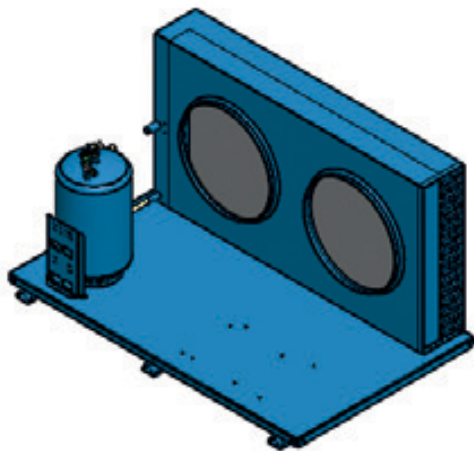
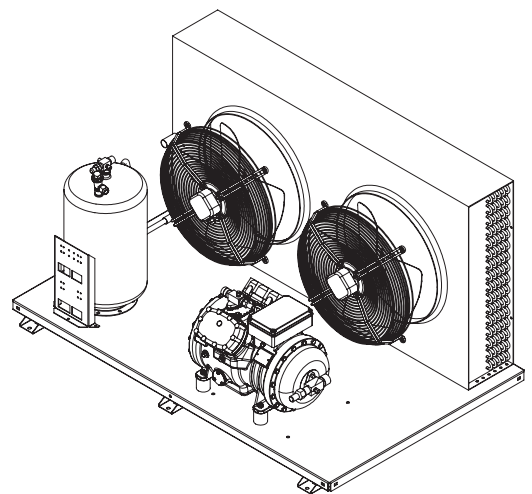
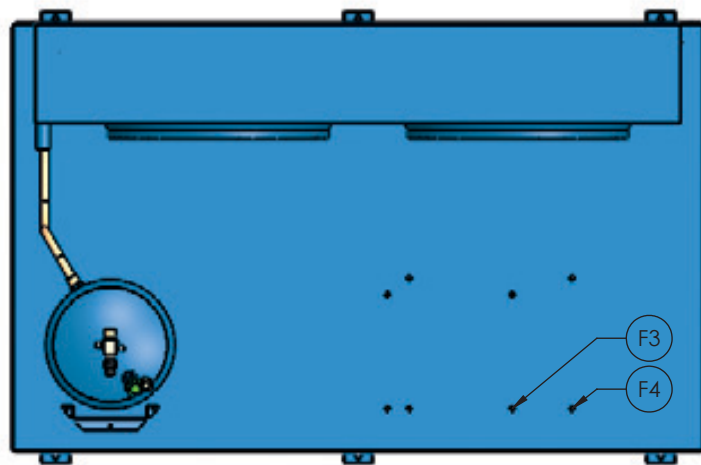
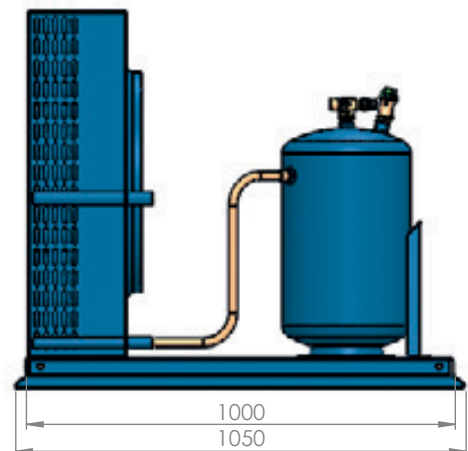
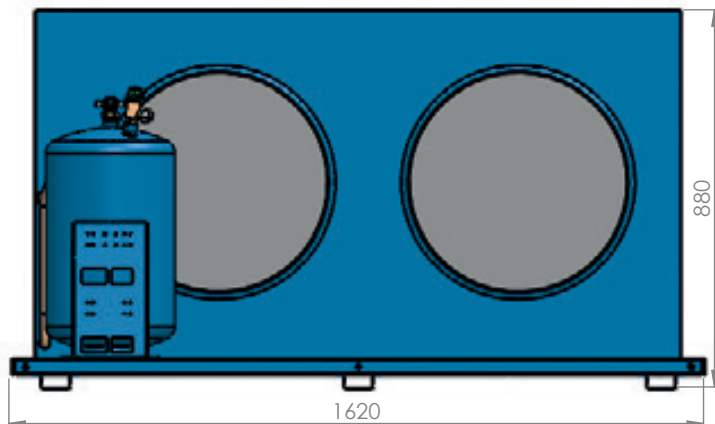


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (18) - 2/500-12	12	16	
TFB - (18) - 2/500-16	16	18	
TFB - (18) - 2/500-20	20	18	
TFB - (18) - 2/500-24,5	24,5	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F2 (312x246)	Q5-21.1Y	MT - HA
		Q7-28.1Y	MT - HA
		Q7-33.1Y	MT - HA
		Q5-36.1Y	LT - HA
		Q7-36.1Y	LT - HA
	F3 (292x246)	S12-42Y	MT - ST
		S15-52Y	MT - ST
		S15-56Y	LT - ST
	F4 (301x306)	S8-42Y	LT - HA
		V15-71Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Horia			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
rpm		rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1415/1260	R13R-5030HA-4T2-70101

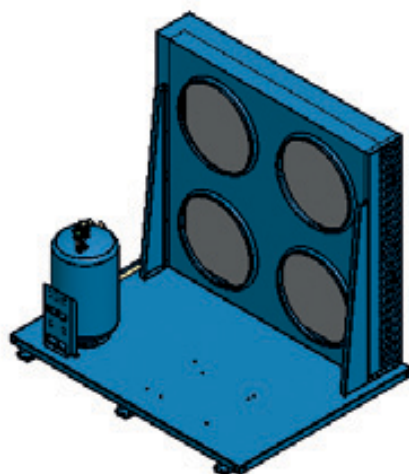
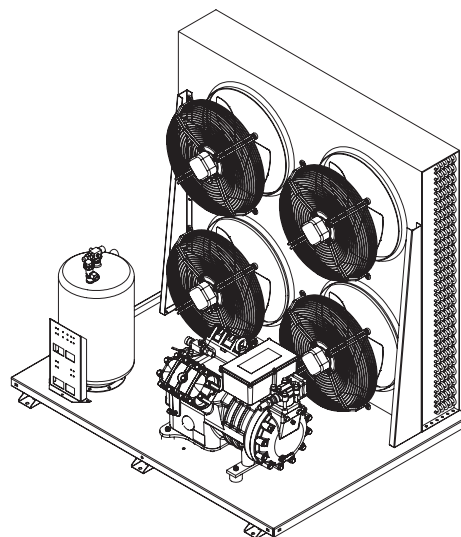
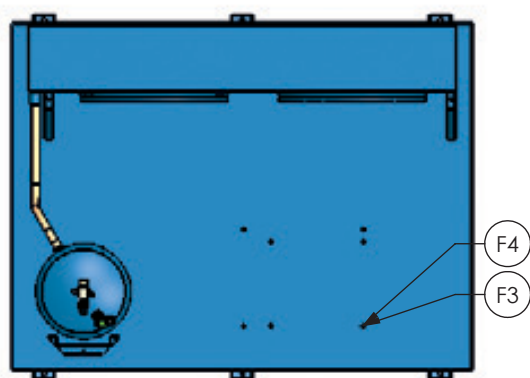
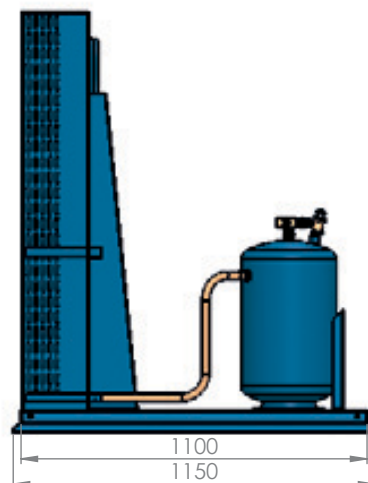
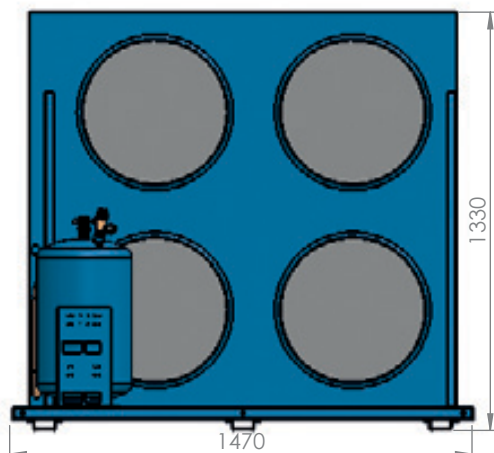


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (19) - 2/500-12	12	16	
TFB - (19) - 2/500-16	16	18	
TFB - (19) - 2/500-20	20	18	
TFB - (19) - 2/500-24,5	24,5	22	
TFB - (19) - 2/500-30	30	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R448A FRASCOLD	F3 (292x206)	S20-56V	MT - ST
		S12-42Y	MT - HA
		S15-52Y	MT - HA
		S10-52Y	LT - HA
	F4 (361x306)	S15-56V	LT - HA
		V20-55V	MT - ST
		V20-84V	LT - ST
		V15-71V	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Horta			
			230V-1		400V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1415/1260	R13R-5030HA-4T2-70101

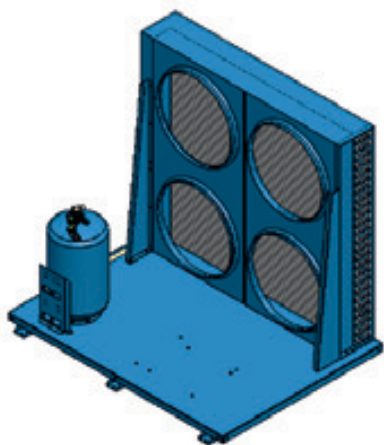
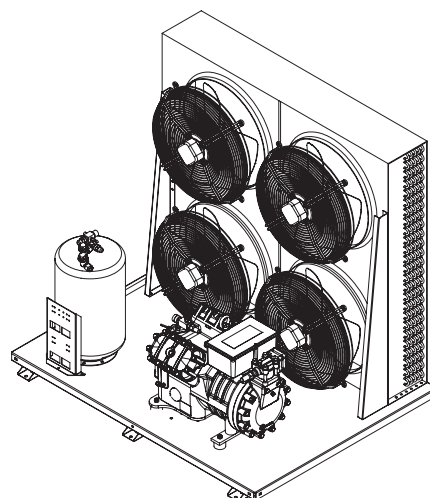
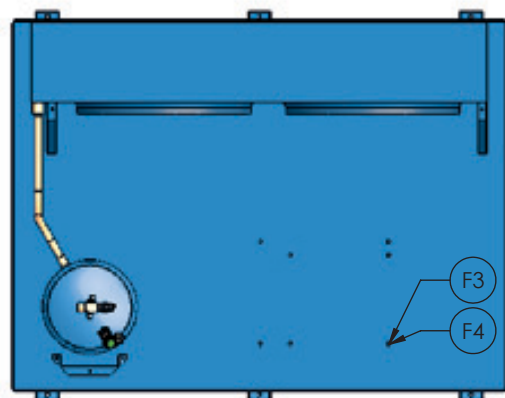
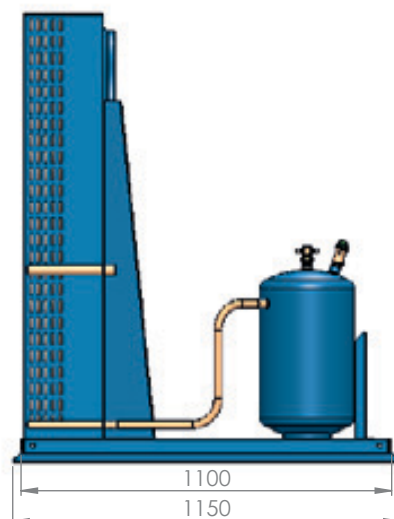
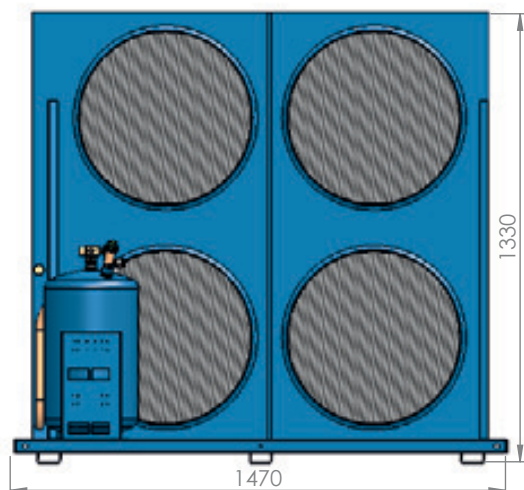


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (14) - 4/450-20	20	18	
TFB - (14) - 4/450-24,5	24,5	22	
TFB - (14) - 4/450-30	30	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F3 (292x246)	S20-56Y	MT - ST
		S12-42Y	MT - HA
		S15-52Y	MT - HA
		S10-52Y	LT - HA
		S15-56Y	LT - HA
	F4 (381x305)	V20-59Y	MT - ST
		V25-71Y	MT - ST
		V20-84Y	LT - ST
		V25-93Y	LT - ST
		V25-103Y	LT - ST
		V15-71Y	LT - HA
		Z25-106Y	LT - ST
Z30-126Y	LT - ST		
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG PULVERS & FANS				HOMER			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-5150	1250	R11R-45LPS-4T-5757

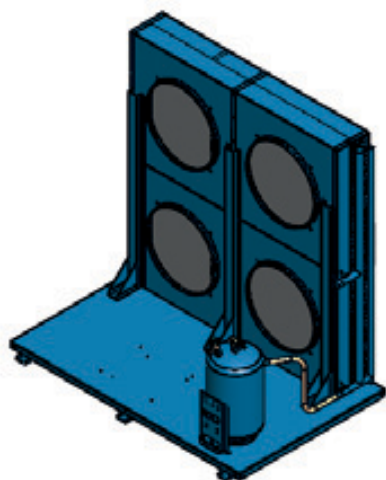
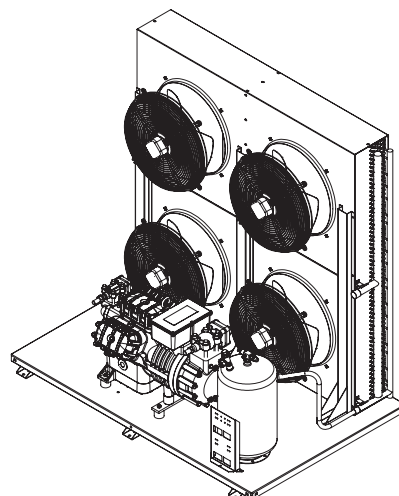
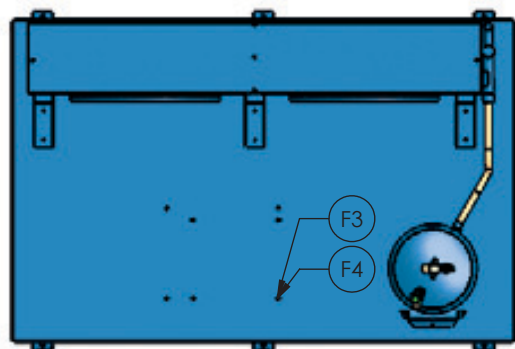
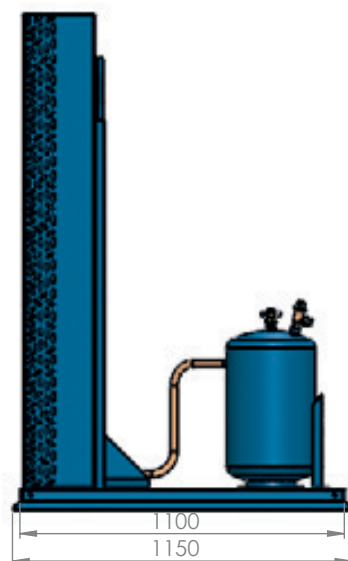
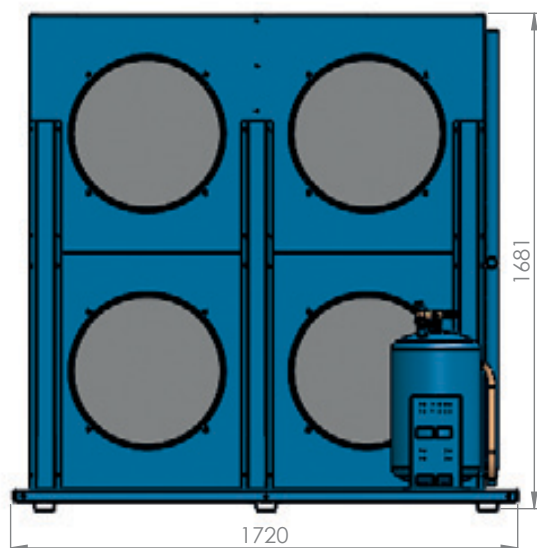


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (20) - 4/500-24,5	24,5	22	
TFB - (20) - 4/500-30	30	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R448A FRASCOLD 	F3 (292x266)	S20-56Y	MT - HA
	F4 (381x305)	V30-84Y	MT - ST
		V20-59Y	MT - HA
		V25-71Y	MT - HA
		V20-84Y	LT - HA
		V25-93Y	LT - HA
		V25-103Y	LT - HA
		Z25-106Y	LT - HA
		Z30-126Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				Hitec			
		 230V-3	 400V-3	 230V-3	 400V-3	 230V-3	 400V-3	 230V-3	 400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075 (411/1360)	1370	R13R-5030HA-4T2-70101

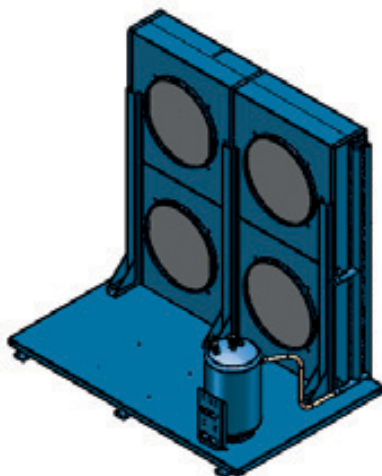
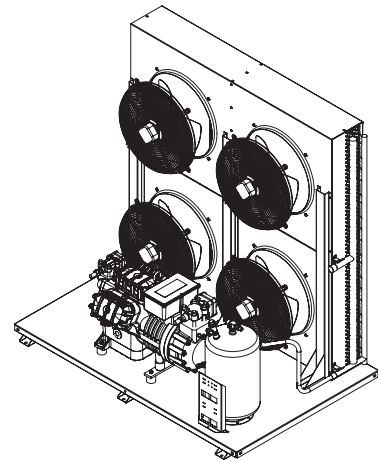
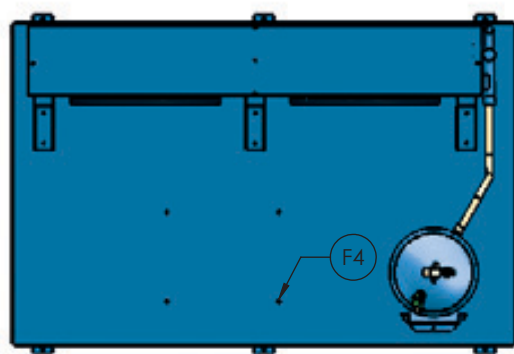
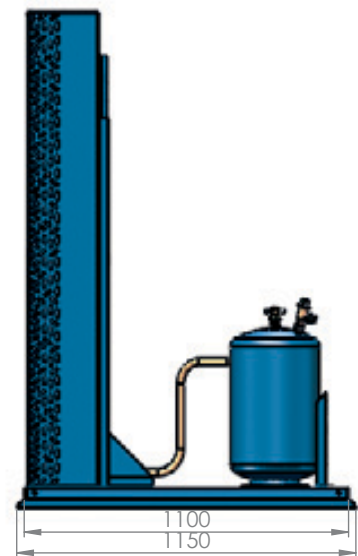
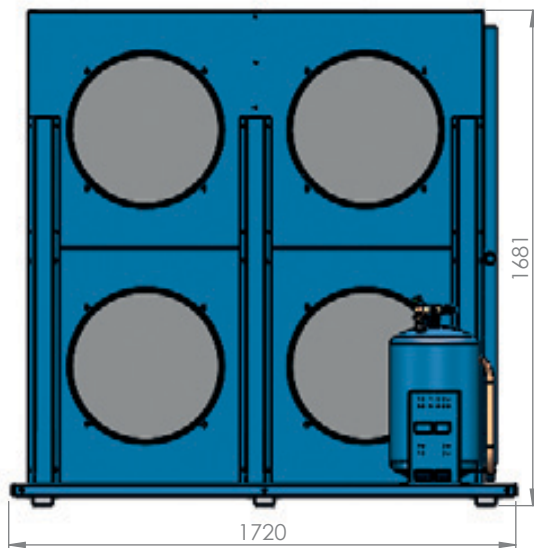


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (85) - 4/500-24.5	24,5	22	
TFB - (85) - 4/500-30	30	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD 	F3 (202x206)	S20-55Y	MT - HA
	F4 (381x305)	V30-84Y	MT - ST
		V20-59Y	MT - HA
		V25-71Y	MT - HA
		V20-84Y	LT - HA
		V25-93Y	LT - HA
		V25-103Y	LT - HA
		Z25-106Y	LT - HA
		Z30-126Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HGM			
			230V-1		400V-3		230V-1		400V-3
   	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1425/1260	R13R-5030HA-4T2-70101

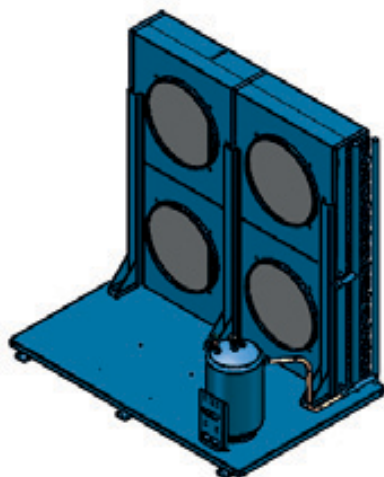
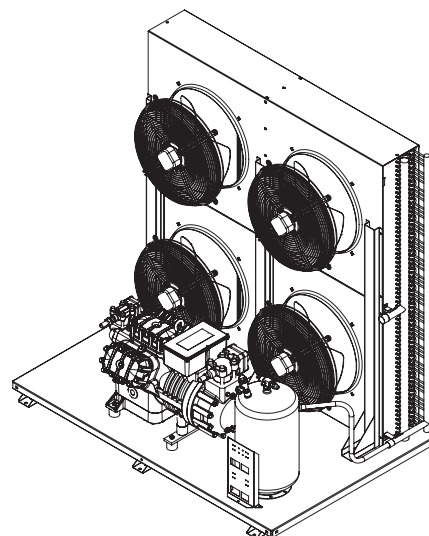
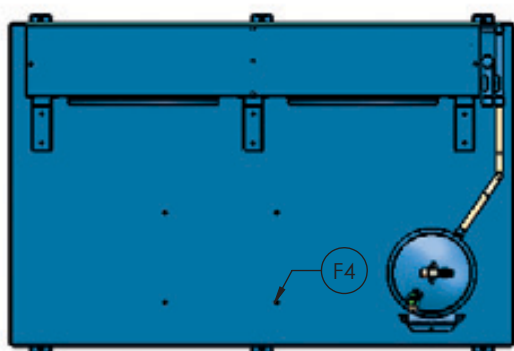
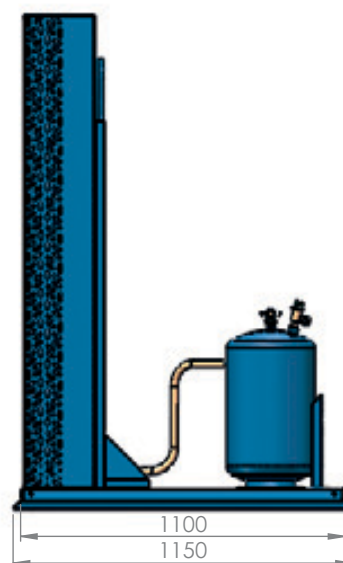
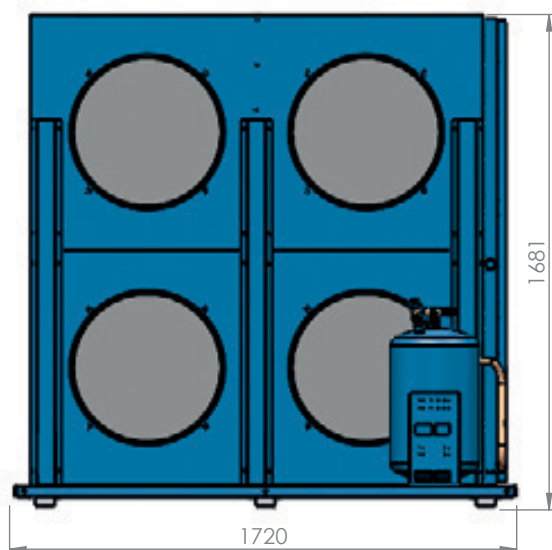


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (100) - 4/500-30	30	22	
TFB - (100) - 4/500-40	40	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F4 (381x306)	V32-60Y	MT - ST
		V35-103Y	MT - ST
		Z35-106	MT - ST
		Z40-126Y	MT - ST
		V25-71Y	MT - HA
		V30-84Y	MT - HA
		V15-71Y	LT - HA
		V25-93Y	LT - HA
		V25-103Y	LT - HA
		Z25-106Y	LT - HA
		Z30-126Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hera			
			230V-1		400V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1425/1260	R13R-5030HA-4T2-70101



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (120) - 4/500-30	30	22	
TFB - (120) - 4/500-50	50	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD	 F4 (381x305)	Z35-106	MT - ST
		Z40-126Y	MT - ST
		V32-93Y	MT - HA
		V35-103Y	MT - HA
		Z30-126Y	LT - HA
		Z40-154Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HONDA			
			230V-1		400V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1170	R13R-5030HA-4M-7075	1415/1260	R13R-5030HA-4T2-70101

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (03) - 1/350-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A0,7 5Y	4,93		
	A1 6Y	5,47		
	B1,5 9.1Y	8,96		

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (06) - 1/400-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A1,5 7Y	6,91		
	B2 10.1Y	9,84		
	D2 11.1Y	11,26		
	D3 13.1Y	13,15		

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (07) - 2/350-5,3 (7,6)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	D2 11.1Y	11,26	A0,7 5Y	4,93
	D3 13.1Y	13,15	A1 6Y	5,47
			A1,5 7Y	6,91
			B1,5 9.1Y	8,96
			B2 10.1Y	9,84

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

MODEL - TFB - (08) - 2/400-7,6 (10)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	D4 16.1Y	16,40	D2 11.1Y	11,26
	Q5 24.1Y	23,91		

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (16) - 2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Q5 21.1Y	21,17	D3 13.1Y	13,15
	Q7 28.1Y	27,88	D4 16.1Y	16,40
			Q5 24.1Y	23,91

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (17) - 2/450-12 (16/20)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Q7 33.1Y	32,66		

MEDIUM TEMPERATURE $T_0 = -10^\circ\text{C}$

TFB - (18) - 2/500- 12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S12 42Y	41,32	Q5 21.1Y	21,17
	S15 52Y	51,50	Q7 28.1Y	27,88
			Q7 33.1Y	32,66

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (03) - 1/350-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A0,7 5Y	4,93		
	A1 6Y	5,47		
	A1 7Y	6,91		
	B1,5 9.1Y	8,96		

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (06) - 1/400-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A1,5 7Y	6,91		
	B2 10.1Y	9,84		
	D2 11.1Y	11,26		
	D2 13.1Y	13,15		
	D3 16.1Y	16,40		
	D3 18.1Y	17,93		

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (07) - 2/350-5,3 (7,6)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	D2 11.1Y	11,26	A1 6Y	5,47
	D2 13.1Y	13,15	A1 7Y	6,91
	D3 16.1Y	16,40	A1,5 7Y	6,91
	D3 18.1Y	17,93	B1,5 9.1Y	8,96
			B2 10.1Y	9,84

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

MODEL - TFB - (08) - 2/400-7,6 (10)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Q4 20.1Y	19,77	D2 11.1Y	11,26
	Q4 24.1Y	23,91	D2 13.1Y	13,15
	Q5 28.1Y	27,88	D3 18.1Y	17,93
	Q5 33.1Y	32,66		

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (16) - 2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Q5 36.1Y	35,86	D3 16.1Y	16,40
	S8 42Y	41,32	Q4 20.1Y	19,77
			Q4 24.1Y	23,91
			Q5 28.1Y	27,88
			Q5 33.1Y	32,66

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (17) - 2/450-12 (16/20)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Q7 36.1Y	35,86		
	S10 52Y	51,50		
	V15 71Y	70,77		

LOW TEMPERATURE $T_0 = -25^\circ\text{C}$

TFB - (18) - 2/500- 12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S15 56Y	56,00	Q5 36.1Y	35,86
			Q7 36.1Y	35,86
			S8 42Y	41,32

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (19) - 2/500-12 (16/20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S20 56Y	56,00	S12 42Y	41,32
	V20 59Y	58,48	S15 52Y	51,50

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (19) - 2/500-12 (16/20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V20 84Y	83,81	S10 52Y	51,50
			S15 56Y	56,00
			V15 71Y	70,77

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (14)-4/450-20 (24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S20 56Y	56,00	S12 42Y	41,32
	V20 59Y	58,48	S15 52Y	51,50
	V25 71Y	70,77		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (14)-4/450-20 (24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V20 84Y	83,81	S10 52Y	51,50
	V25 93Y	93,05	S15 56Y	56,00
	V25 103Y	102,90	V15 71Y	70,77
	Z25 106Y	106,16		
	Z30 126Y	125,72		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (20)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V30 84Y	83,81	S20 56Y	56,00
			V20 59Y	58,48
			V25 71Y	70,77

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (20)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD			V20 84Y	83,81
			V25 93Y	93,05
			V25 103Y	102,90
			Z25 106Y	106,16
			Z30 126Y	125,72

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (85)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V30 84Y	83,81	S20 56Y	56,00
			V20 59Y	58,48
			V25 71Y	70,77

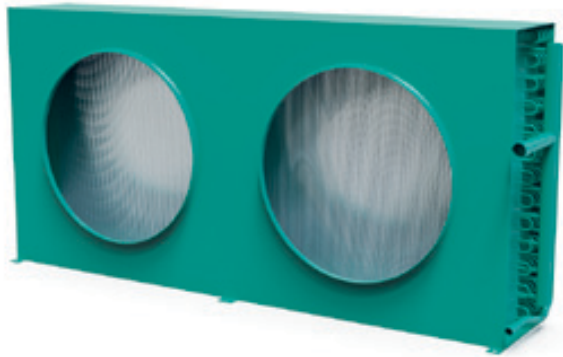
LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (85)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD			V20 84Y	83,81
			V25 93Y	93,05
			V25 103Y	102,90
			Z25 106Y	106,16
			Z30 126Y	125,72

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (100)-4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V32 93Y	93,05	V25 71Y	70,77
	V35 103Y	102,90	V30 84Y	83,81
	Z35 106Y	106,16		
	Z40 126Y	125,72		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (100)-4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD			V15 71Y	70,77
			V25 93Y	93,05
			V25 103Y	102,90
			Z25 106Y	106,16
			Z30 126Y	125,72

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (120)-4/500-30 (50)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z35 106Y	106,16	V32 93Y	93,05
	Z40 126Y	125,72	V35 103Y	102,90

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (120)-4/500-30 (50)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD			Z30 126Y	125,72
			Z40 154Y	154,40



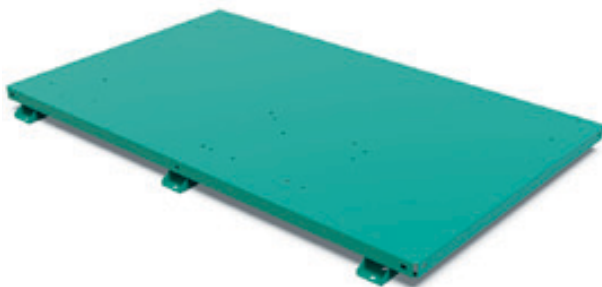
Condensers

- High efficient condensers with special wavy fins and grooved tubes
- High capacity with low air quantity
- Compact design and reduction of the internal volume and refrigerant charge
- Can be used with LOW-GWP refrigerants
- Wide range from 4,3 kW to 120 kW

Copper tubes 7x0.25 Grooved; Geometry 25x21.6; Fin material Al - Louvered; Fin Space 2,5mm; Fin Thickness 0,1 mm

Receivers and components

- Wide range high quality receivers from 3,4 to 50 liters
- Max working pressure 33 bar
- Top outlet with rotalock connection
- With basement
- High quality rotalock valves with two connections 1/4 "flare/sae
- Safety valves with different sizes and set pressure 29 bar



Metal base

- Produced from carbon steel with special treatment and thickness 3 mm
- Robust design and compact dimensions
- Additional supports under compressor
- Whole metal base-easy to install different components
- Holes for components and different type of compressors made with punching machine
- Special supports for antivibration dampers

Powder Painting

- Cleaning before painting
- Powder painting with controlled thickness of the coating
- Two coatings-protective and main color (RAL 6000/6011)



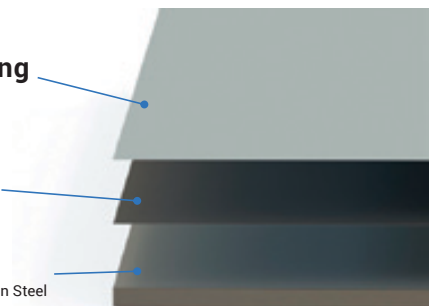
Paint Coating

RAL 6000/6011

ZN Coating

Metal Base

2mm/3mm thick Carbon Steel

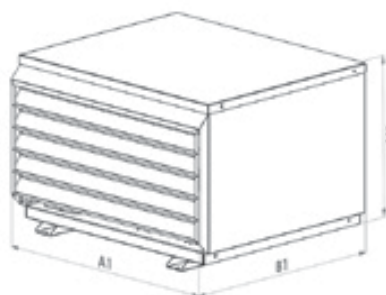
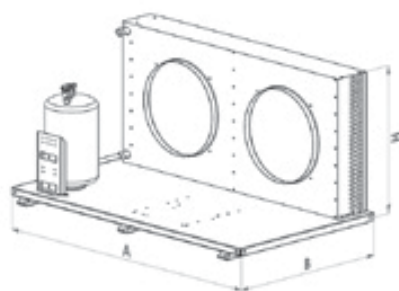


Weather protective housing

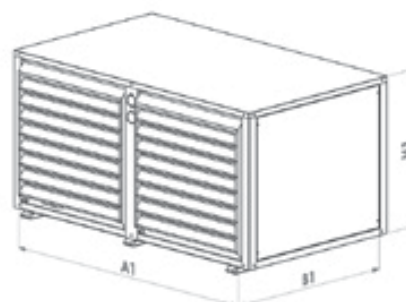
- Produced from carbon steel with special treatment and thickness 1.2 and 2 mm
- Compact design
- Easy assembly
- Powder-coated in RAL 7035 WRI

The range consists of 27 models.

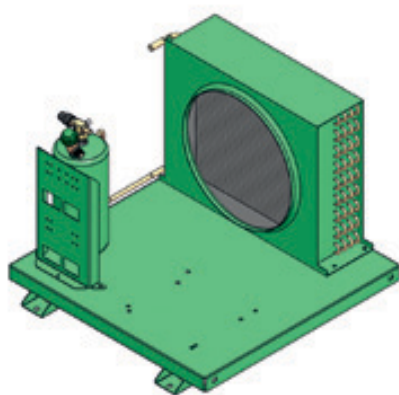
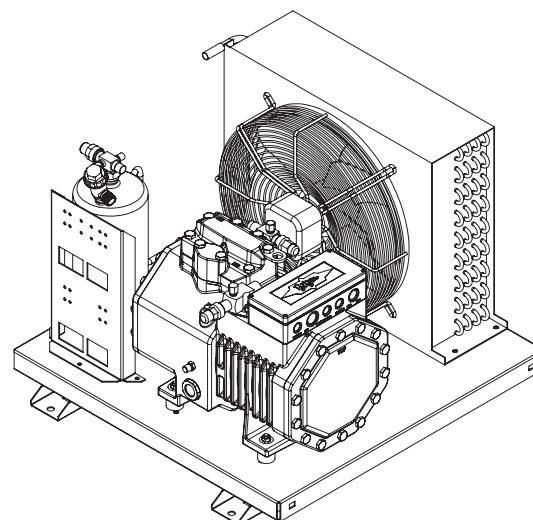
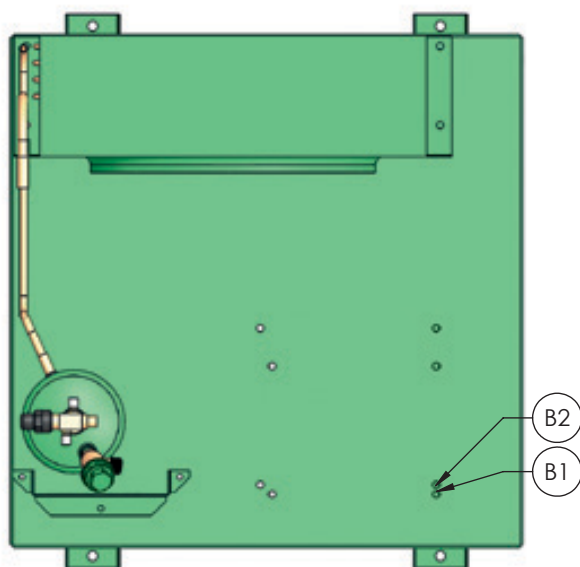
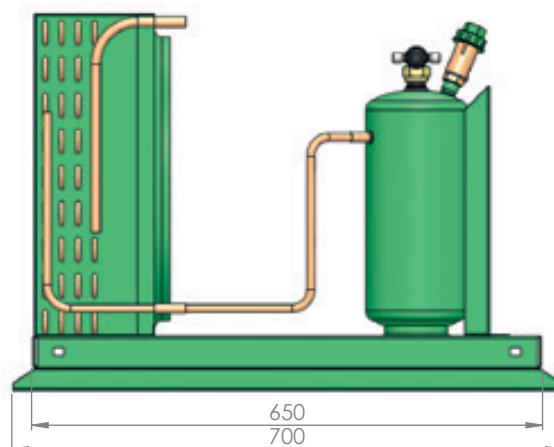
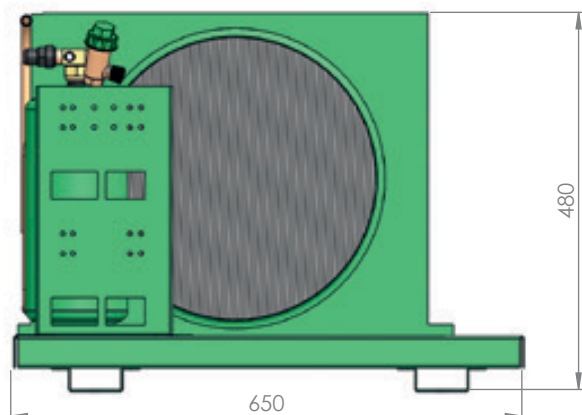
<u>NOMENCLATURE</u>	<u>DIMENSIONS</u>						
	Unit Without Compressor			WPH <i>Weather Protective Housing</i>			
	A	B	H	A1	B1	H1	<i>WPH Type I</i>
	mm	mm	mm	<i>mm</i>	<i>mm</i>	<i>mm</i>	
TFB - (44) - 1/350-3,4	650	700	480	705	715	510	<i>WPH Type II</i>
TFB - (53) - 1/350-3,4 (5.3)	840	750	480	895	765	510	
TFB - (64) - 1/450-5,3 (7.6)	840	780	630	895	795	660	
TFB - (84) - 1/450-7,6 (10)	940	780	780	995	795	810	
TFB - (104) - 2/450-10 (12/16)	1250	970	680	1270	970	715	
TFB - (114) - 2/450-10 (12/16)	1460	970	705	1480	970	740	
TFB - (124) - 2/450-12 (16/20/24.5)	1700	1050	730	1720	1050	765	
TFB - (135) -2/500-12 (16/20/24.5/30)	1700	1050	880	1720	1050	915	
TFB - (85) - 4/500-24,5 (30)	1720	1150	1680	1740	1150	1715	
TFB - (100) - 4/500-30 (40)	1720	1150	1680	1740	1150	1715	
TFB - (120) - 4/500-30 (50)	1720	1150	1680	1740	1150	1715	



WPH Type I



WPH Type II

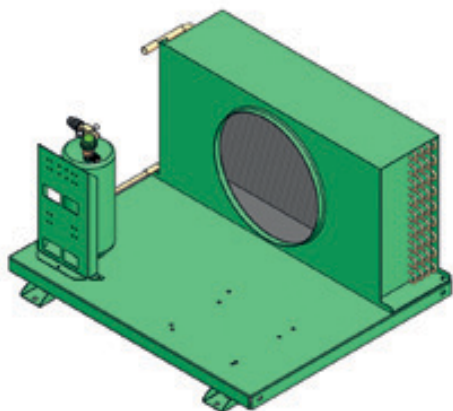
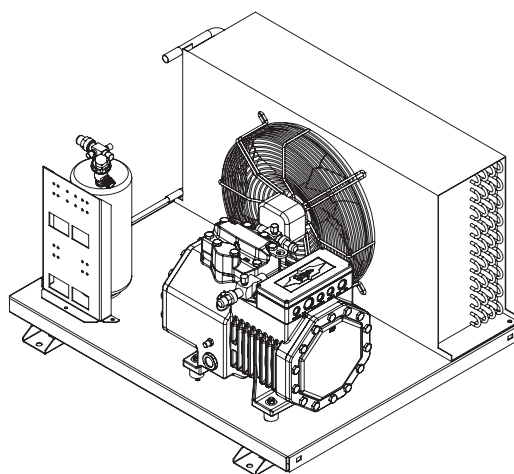
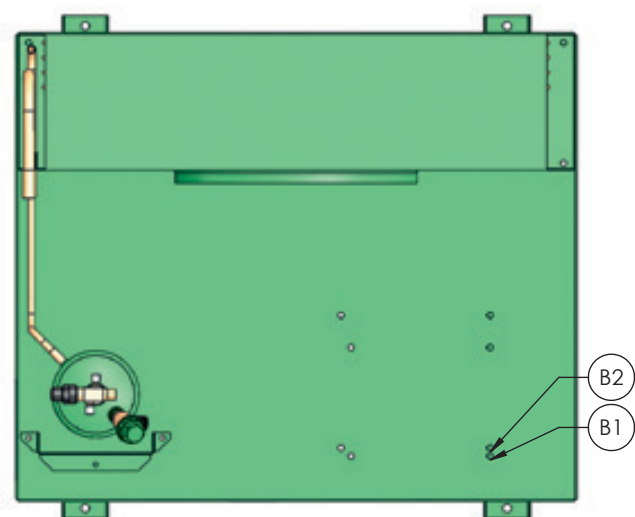
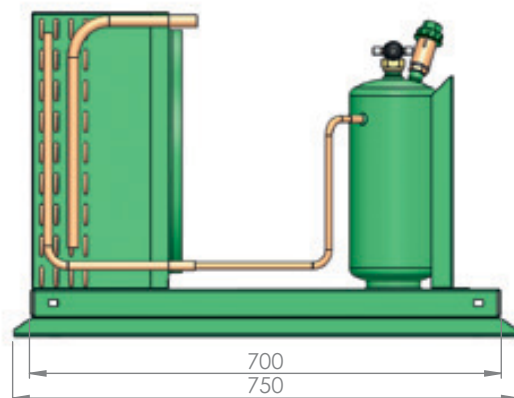
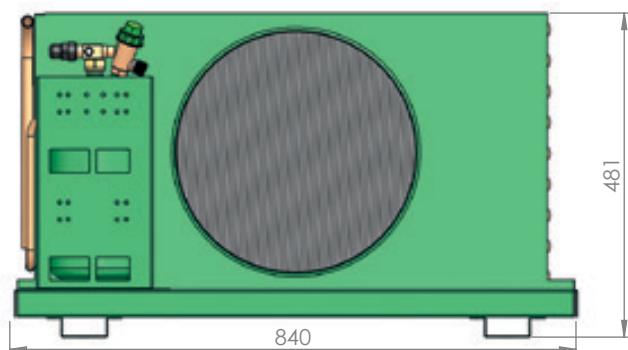


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (44) - 1/350-3,4	3,4	10	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A BITZER	B1 (208x162)	2GES-2Y	MT - ST
		2FES-3Y	MT - ST
		2HES-2Y	MT - HA
		2FES-2Y	LT - ST
	B2 (223x198)	2HES-1Y	LT - HA
		2EES-2Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS		FAN DIAMETER ø mm		WEIGUANG MOTORS & FANS				Hofa			
				230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
	350	1380	rpm	YWF-4E-350-S-102/34-G	—	—	—	R09R-3530HA-4M-4237	1425/1315	R09R-3530HA-4T-4258	—
				—	—	—	—	—	—	—	—

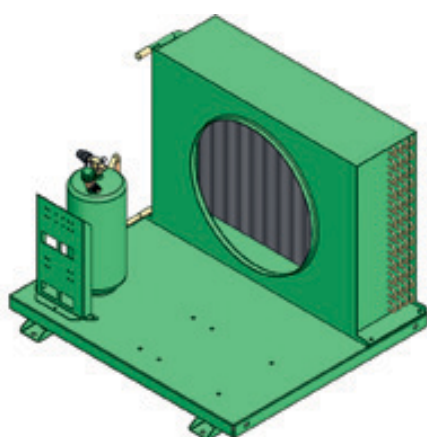
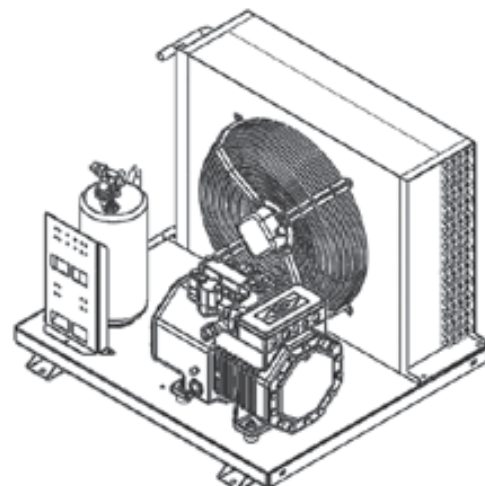
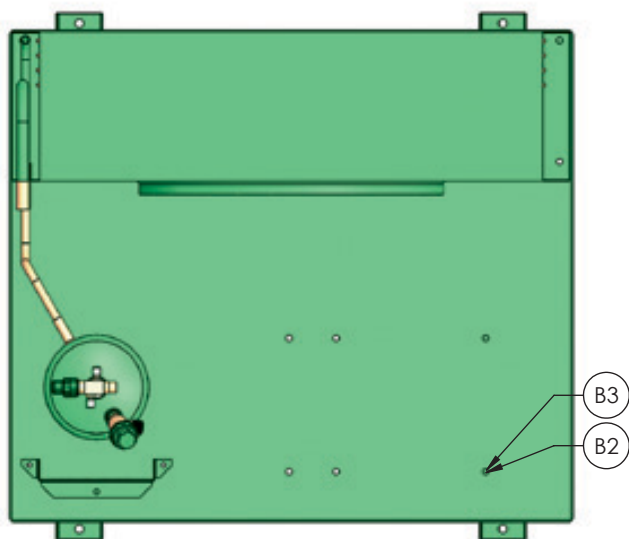
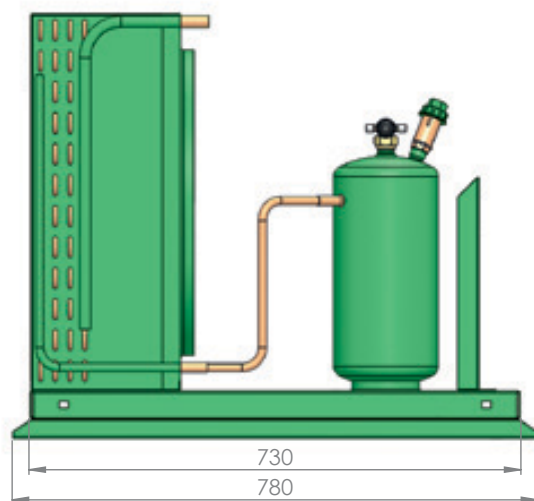
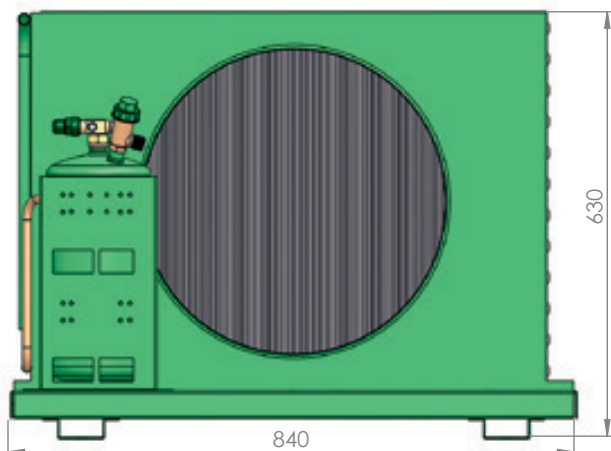


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (53) - 1/350-3,4	3,4	10	
TFB - (53) - 1/350-5,3	5,3	12	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A BITZER	B1 (208x162)	2GES-2Y	MT - HA
	B2 (223x198)	2DES-2Y	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				HOMER			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
1	350	1380	YWF-4E-350-S-102/34-G	—	—	1360	R09R-3530HA-4M-4237	1425/1315	R09R-3530HA-4T-4258

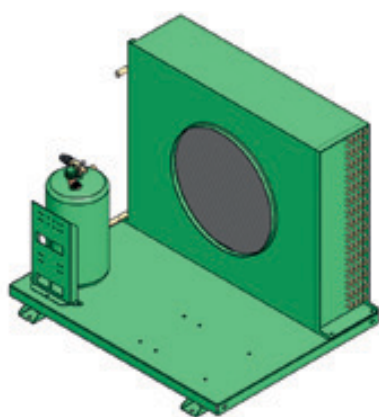
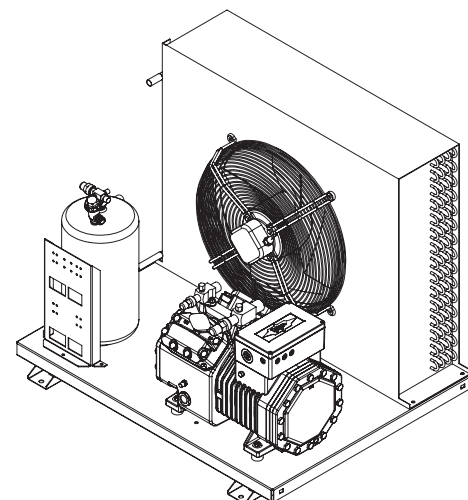
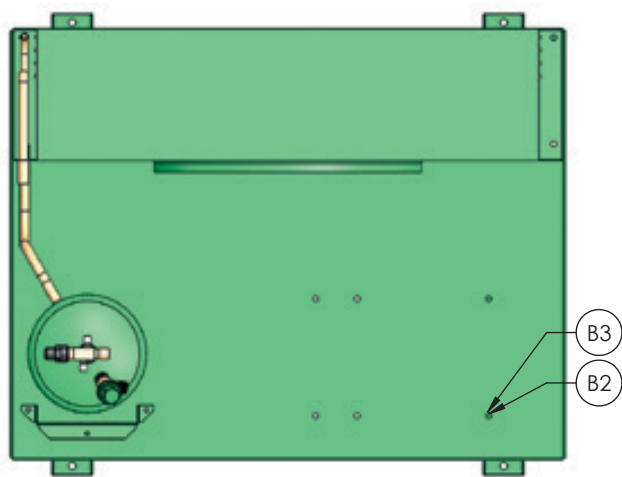
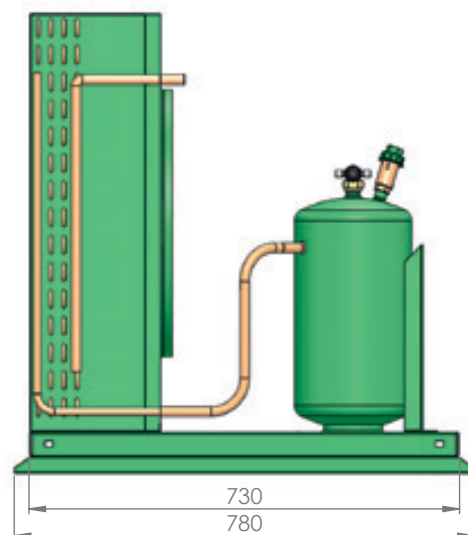
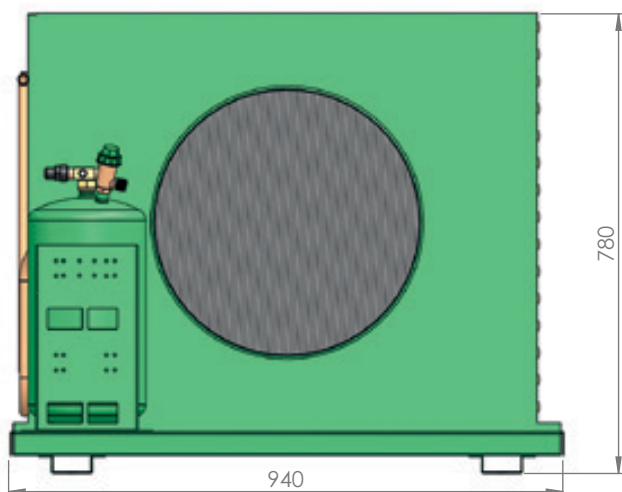


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (64) - 1/450-5.3	5.3	12	
TFB - (64) - 1/450-7.6	7.6	12	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A BITZER	B2 (223x198) B3 (293x198)	2EES-3Y	MT - ST
		2DES-3Y	MT - ST
		2CES-3Y	LT - ST
		4FES-3Y	LT - ST
		4EES-4Y	LT - ST
		2FES-2Y	LT - HA
		2EES-2Y	LT - HA
		2DES-2Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HITACHI			
			230V-1		400V-3		230V-1		400V-3
	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-5150	1250	R11R-45LPS-4T-5757

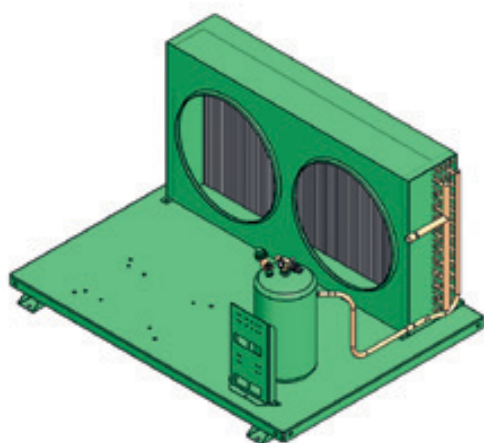
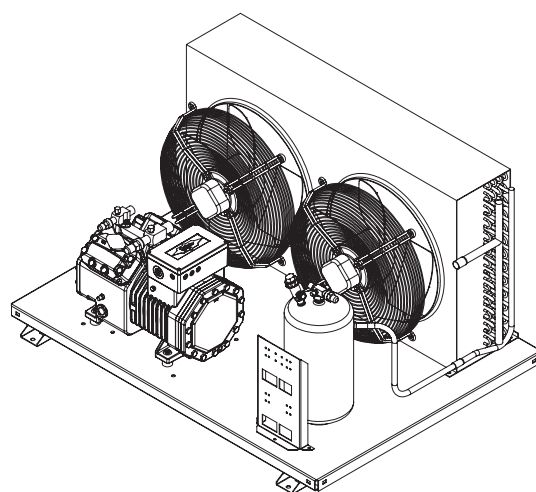
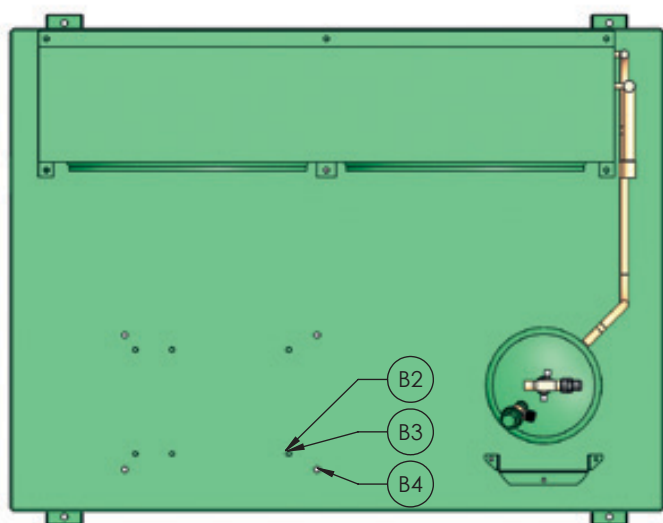
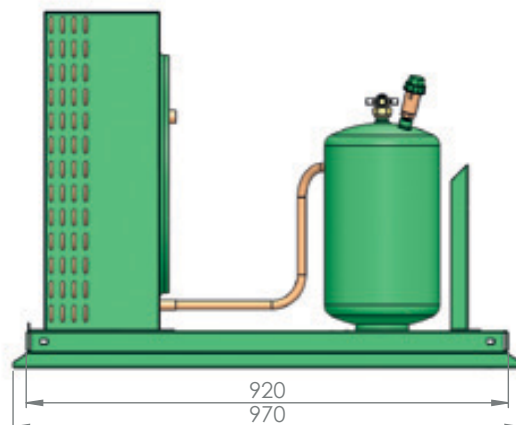
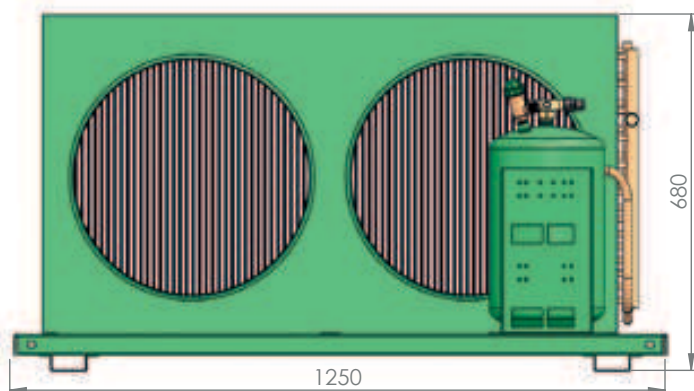


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (84) - 1/450-7.6	7,6	12	
TFB - (84) - 1/450-10	10	16	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A BITZER	B2 (223x196) B3 (293x196)	2CES-4Y	MT - ST
		4FES-5Y	MT - ST
		4EES-6Y	MT - ST
		4DES-5Y	LT - ST
		4CES-6Y	LT - ST
		2CES-3Y	LT - HA
		4FES-3Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG MOTORS & FANS				Horia			
			230V-1		400V-3		230V-1		400V-3
	450	1350 rpm	YWF-4E-450-S-102/60-G	1360 rpm	YWF-4D-450-S-102/60-G	1230 rpm	R11R-45LPS-4M-5150	1250 rpm	R11R-45LPS-4T-5757

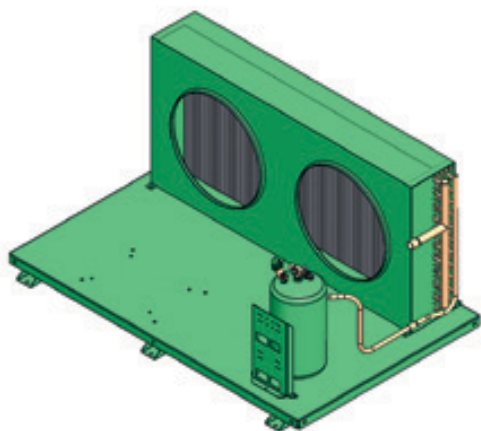
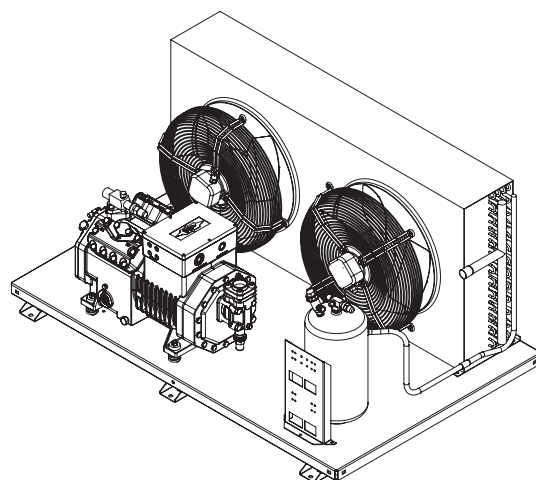
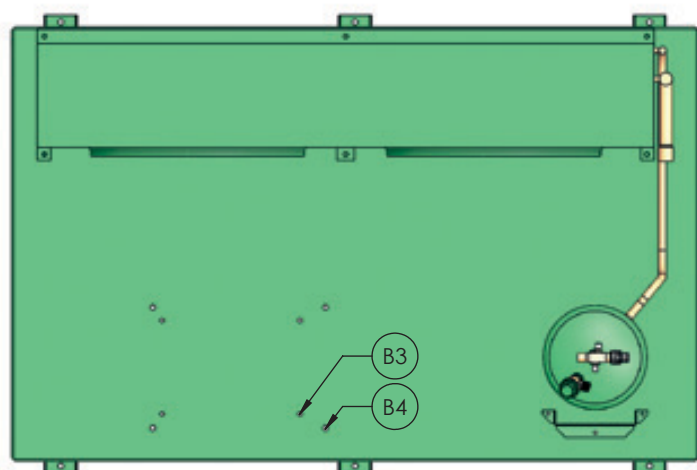
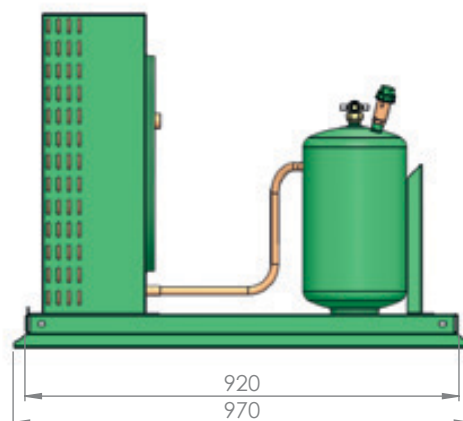
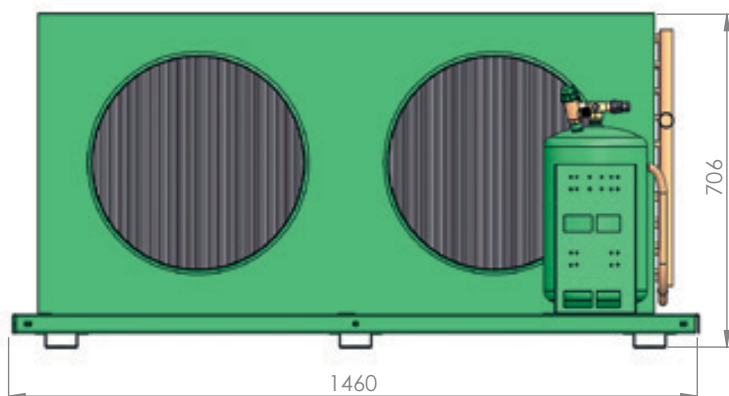


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (104) - 2-450-10	10	16	
TFB - (104) - 2-450-12	12	16	
TFB - (104) - 2-450-16	16	18	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A	B4 (367x256)	4TES-6Y	LT - ST
R449A	B2 (223x198)	4DES-7Y	MT - ST
BITZER	B3 (293x198)	2DES-3Y	MT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HOMER			
		 230V-1	 400V-3	 230V-1	 400V-3	 230V-1	 400V-3	 230V-1	 400V-3
	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-5150	1250	R11R-45LPS-4T-5757

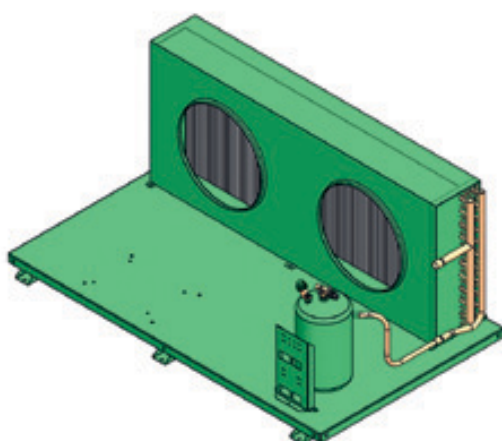
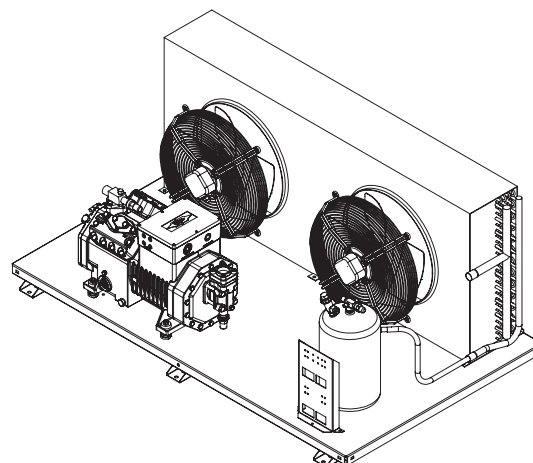
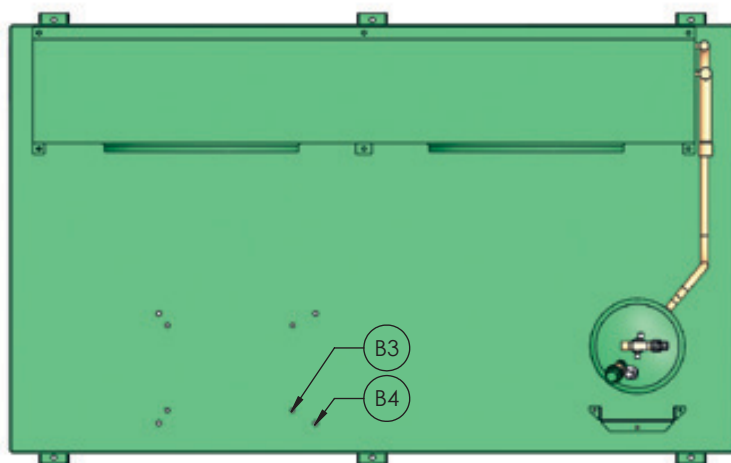
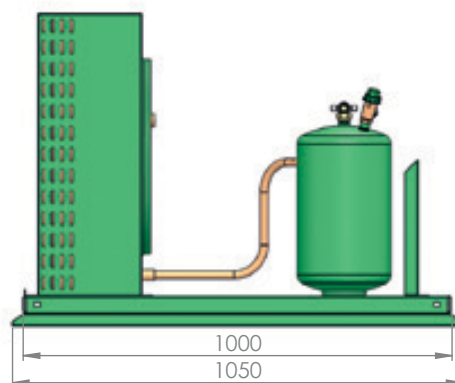
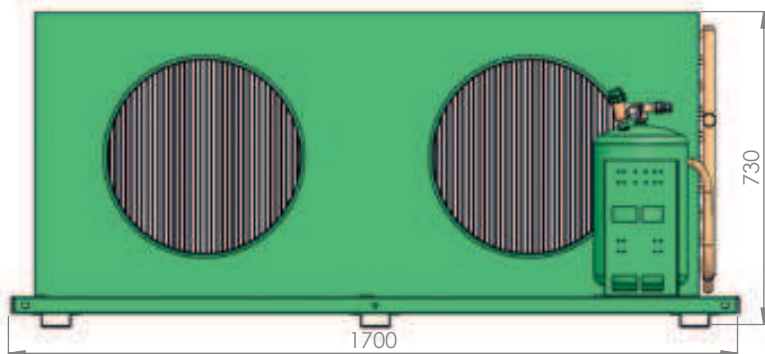


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (114) - 2-450-10	10	16	
TFB - (114) - 2-450-12	12	16	
TFB - (114) - 2-450-16	16	18	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R448A BITZER	B4 (361x256)	4TES-12Y	MT - ST
		4PES-12Y	LT - ST
	B3 (293x198)	4CES-9Y	MT - ST
		4DES-7Y	MT - HA
		4DES-5Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HMT			
			230V-1		400V-3		230V-1		400V-3
	450	1350	YWF-4E-450-S-102/60-G	1350	YWF-4D-450-S-102/60-G	1230	R11R-4SLPS-4M-5150	1250	R11R-4SLPS-4T-5757

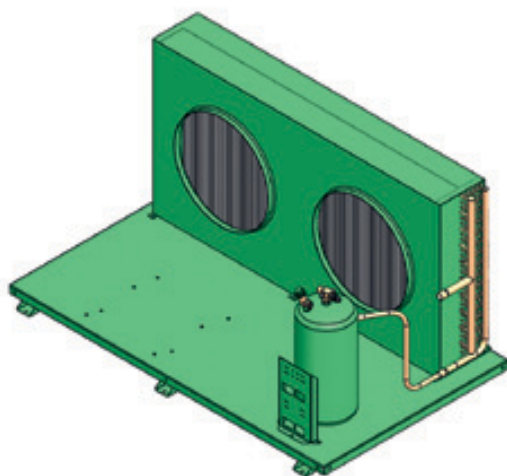
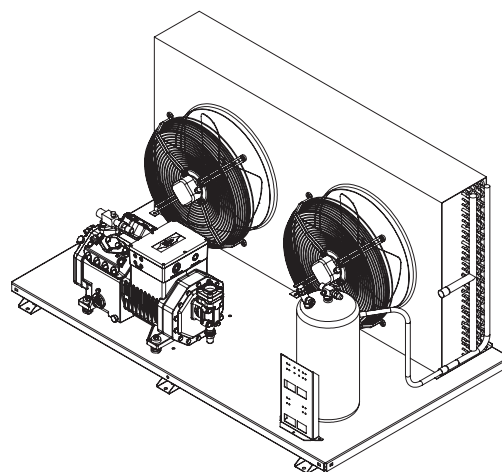
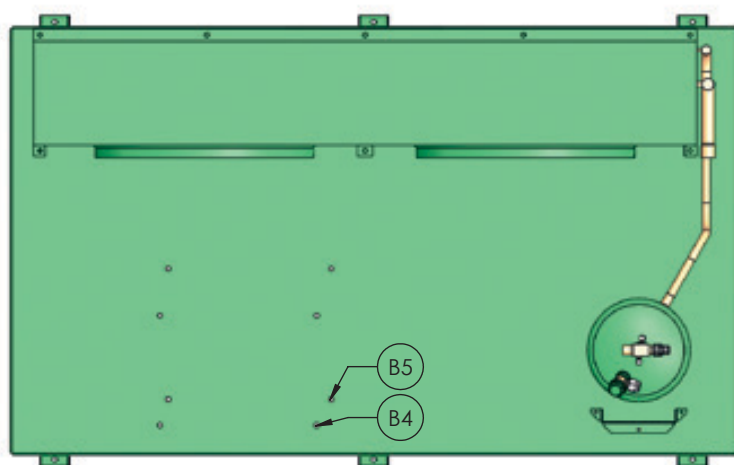
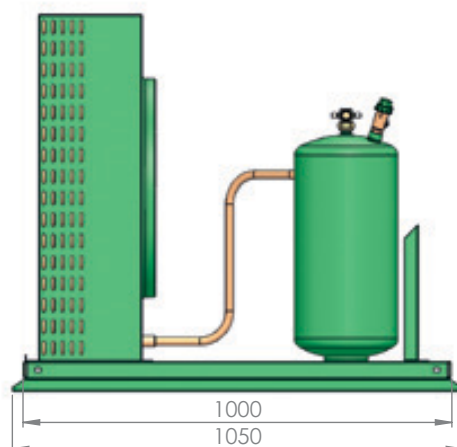
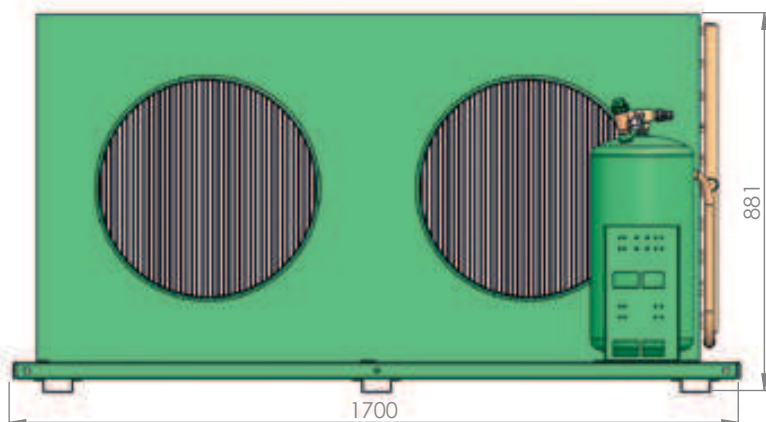


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm		
TFB - (124) - 2-450-12	12	16		
TFB - (124) - 2-450-16	16	18		
TFB - (124) - 2-450-20	20	18		
TFB - (124) - 2-450-24,5	24,5	22		
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX	
R404A R448A BITZER 	B4 (367x256)	4TES-12Y	MT - HA	
		4NES-14Y	LT - ST	
	B3 (283x108)	4TES-6Y	LT - HA	
		4CES-6Y	MT - HA	
			4CES-6Y	LT - HA
	MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE				
ST - STANDARD				
HA - HIGH AMBIENT				

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				HMT			
		 230V-1 rpm	450	 400V-3 rpm	1350	 230V-1 rpm	1230	 400V-3 rpm	1250
	450	1350	YWF-4E-450-S-102/60-G	1350	YWF-4D-450-S-102/60-G	1230	R11R-4SLPS-4M-5150	1250	R11R-4SLPS-4T-5757

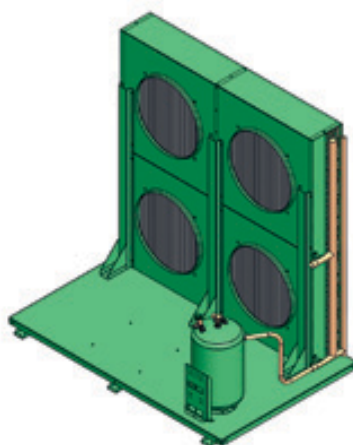
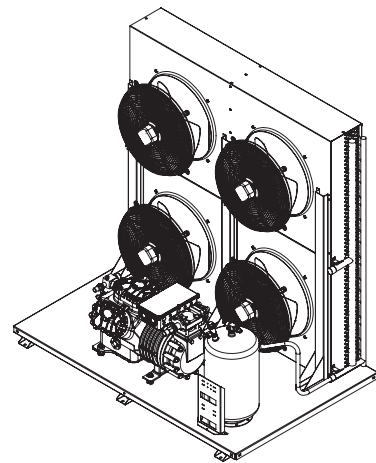
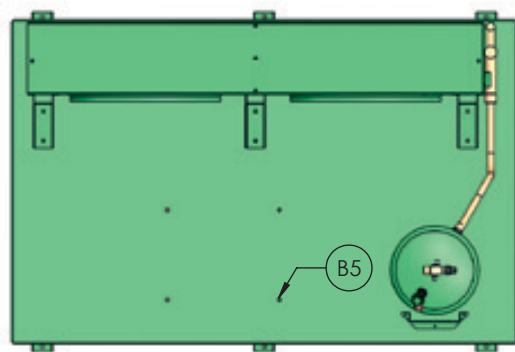
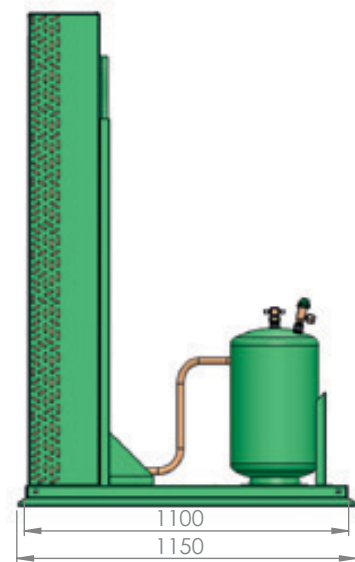
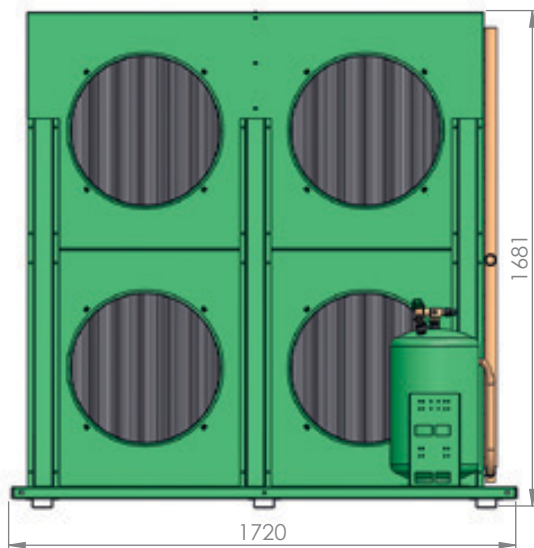


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm		
TFB - (135) - 2-500-12	12	16		
TFB - (135) - 2-500-16	16	18		
TFB - (135) - 2-500-20	20	18		
TFB - (135) - 2-500-24,5	24,5	22		
TFB - (135) - 2-500-30	30	22		
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX	
 R404A R449A BITZER	B5 (381x306)	4JE-22Y	MT - ST	
		4HE-25Y	MT - ST	
		4JE-18Y	LT - ST	
		4HE-18Y	LT - ST	
		4GE-23Y	LT - ST	
	B4 (367x266)	6JE-25Y	LT - ST	
		6HE-28Y	LT - ST	
		4PES-15Y	MT - ST	
		4NES-20Y	MT - ST	
		4PES-12Y	LT - HA	
			4NES-14Y	LT - HA
	MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE				
ST - STANDARD				
HA - HIGH AMBIENT				

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	 WEIGUANG LIGHTING & HEAT				 HOMER			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1415/1200	R13R-5030HA-4T2-70101

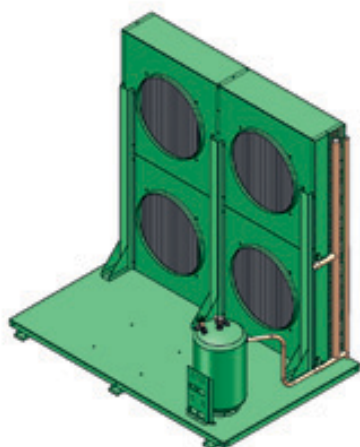
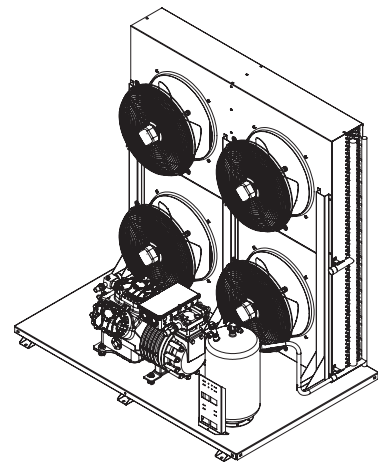
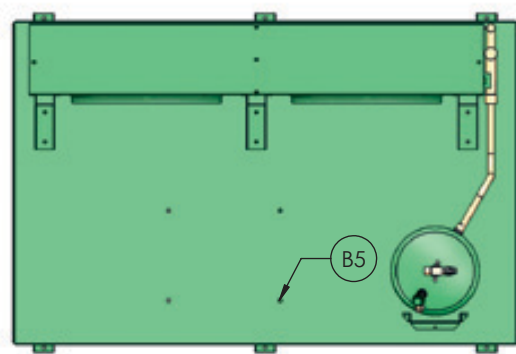
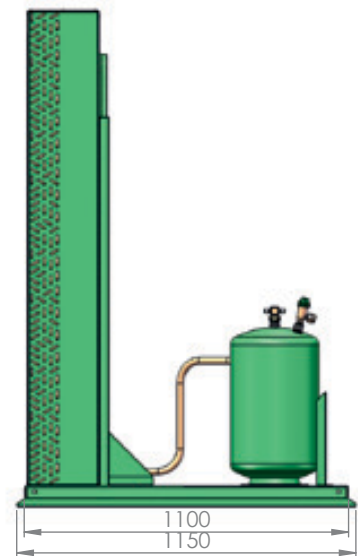
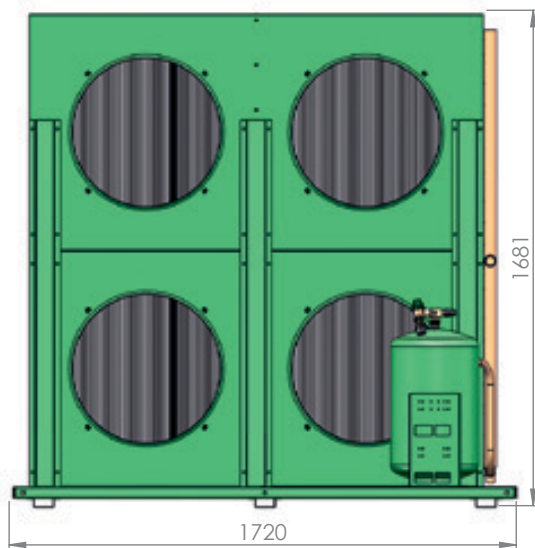


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (85) - 4/500-24.5	24,5	22	
TFB - (85) - 4/500-30	30	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A BITZER	B5 (381x305)	4GE-30Y	MT - ST
		4FE-35Y	MT - ST
		4JE-22Y	MT - HA
		4HE-28Y	MT - HA
		6GE-34Y	LT - ST
		4JE-15Y	LT - HA
		4HE-18Y	LT - HA
		6JE-25Y	LT - HA
		4FE-26Y	LT - HA
		6HE-28Y	LT - HA
		6GE-34Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hera			
			230V-1		400V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1425/1260	R13R-5030HA-4T2-70101

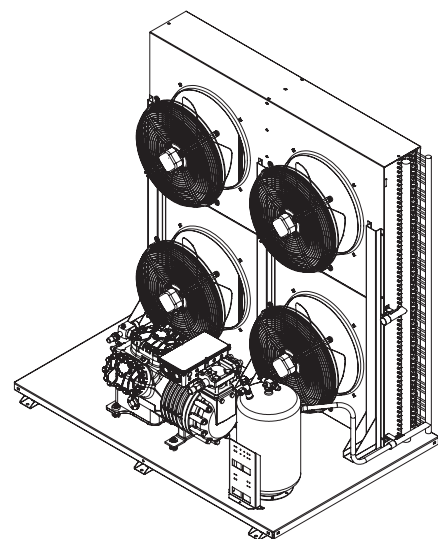
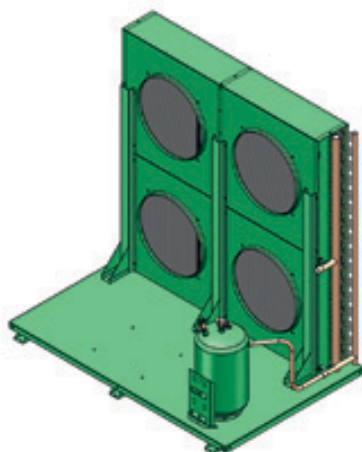
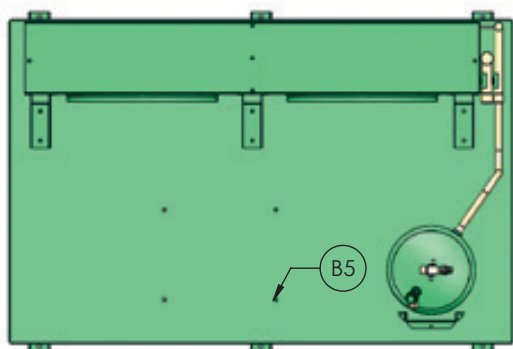
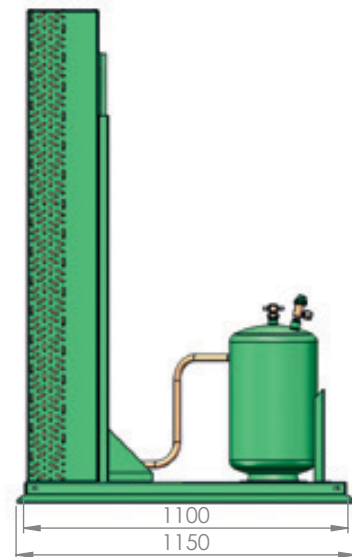
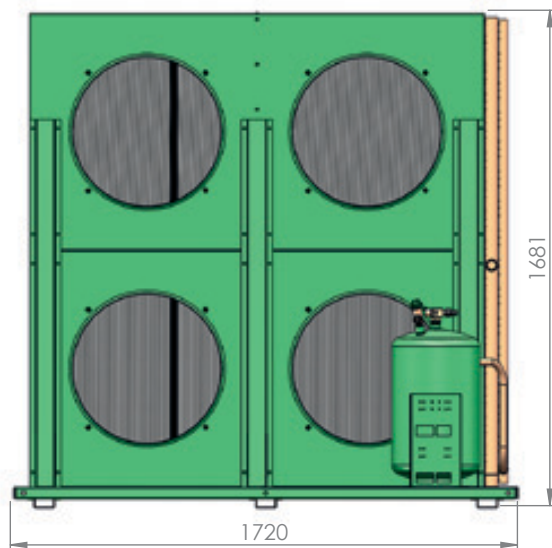


MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB -(100) -4/500-30	30	22	
TFB -(100) -4/500-40	40	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A BITZER 	B5 (361x306)	6HE-35Y	MT - ST
		6GE-40Y	MT - ST
		4JE-22Y	MT - HA
		4GE-30Y	MT - HA
		4FE-35Y	MT - HA
		6JE-33Y	MT - HA
		4JE-15Y	LT - HA
		4HE-18Y	LT - HA
		4FE-28Y	LT - HA
		6JE-25Y	LT - HA
		6HE-26Y	LT - HA
		6GE-34Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUNG				Hera			
			230V-1		600V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1170	R13R-5030HA-4M-7075	1425/1260	R13R-5030HA-4T2-70101



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (120) - 4/500-30	30	22	
TFB - (120) - 4/500-50	50	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A BITZER	B5 (361x395)	8HE-35Y	MT - ST
		8GE-40Y	MT - ST
		8GE-34Y	LT - HA
		8FE-44Y	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

RECOMMENDED AC FANS SUITABLE FOR ASSEMBLY

Note: For EC fans - consult with technical or sales office

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hera			
			230V-1		400V-3		230V-1		400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1425/1260	R13R-5030HA-4T2-70101

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (44)-1/350-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2GES-2Y	7,58	2HES-2Y	6,51
	2FES-3Y	9,54		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (44)-1/350-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2FES-2Y	9,54	2HES-1Y	6,51
	2EES-2Y	11,36		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (53)-1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER			2GES-2Y	7,58

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (53)-1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2DES-2Y	13,42		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (64)-1/450-5,3 (7,6)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2EES-3Y	11,36		
	2DES-3Y	13,42		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (64)-1/450-5,3 (7,6)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2CES-3Y	16,42	2FES-2Y	9,54
	4FES-3Y	18,05	2EES-2Y	11,36
	4EES-4Y	22,72	2DES-2Y	13,42

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (84)-1/450-7,6 (10)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	2CES-4Y	16,24		
	4FES-5Y	18,05		
	4EES-6Y	22,72		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (84)-1/450-7,6 (10)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4DES-5Y	26,84	2CES-3Y	16,24
	4CES-6Y	32,48	4FES-3Y	18,05

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (104)-2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4DES-7Y	26,84	2DES-3Y	13,42

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (104)-2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4TES-9Y	41,33		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (114)-2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4CES-9Y	32,48	4DES-7Y	26,84
	4TES-12Y	41,33		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (114)-2/450-10 (12/16)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4PES-12Y	48,50	4DES-5Y	26,84

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (124)-2/450-12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER			4CES-9Y	32,48
			4TES-12Y	41,33

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (124)-2/450-12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4NES-14Y	56,25	4CES-6Y	32,48
			4TES-9Y	41,33

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (135)-2/500-12 (20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4PES-15Y	48,50		
	4NES-20Y	56,25		
	4JE-22Y	63,50		
	4HE-25Y	73,60		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (135)-2/500-12 (20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4JE-15Y	63,50	4PES-12Y	48,50
	4HE-18Y	73,60	4NES-14Y	56,25
	4GE-23Y	84,50		
	6JE-25Y	95,30		
	6HE-28Y	110,50		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (85)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	4GE-30Y	84,50	4JE-22Y	63,50
	4FE-35Y	101,80	4HE-25Y	73,60

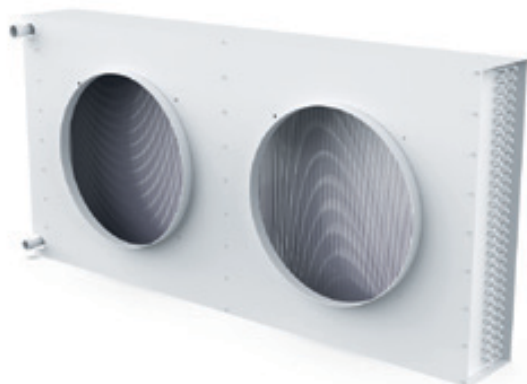
LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (85)-4/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	6GE-34Y	126,80	4JE-15Y	63,50
			4HE-18Y	73,60
			6JE-25Y	95,30
			4FE-28Y	101,80
			6HE-28Y	110,50
			6GE-34Y	126,80

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (100)-4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	6HE-35Y	110,50	4JE-22Y	63,50
	6GE-40Y	126,80	4GE-30Y	84,50
			4FE-35Y	101,80
			6JE-33Y	95,30

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (100)-4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER			4JE-15Y	63,50
			4HE-18Y	73,60
			4FE-28Y	101,80
			6JE-25Y	95,30
			6HE-28Y	110,50
			6GE-34Y	126,80

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (120)-4/500-30 (50)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER	6HE-35Y	110,50		
	6GE-40Y	126,80		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (120)-4/500-30 (50)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
BITZER			6GE-34Y	126,80
			6FE-44Y	151,60



Condensers

- New high efficiency coils with copper tubes and aluminum P=2,5mm
- Range from 4,2 kW to 114 kW. Compatible with LOW-GWP refrigerants
- FeZn casing with an optimized fan shroud developed to achieve the highest performance of the fan motor

Receivers and components

- Wide range high quality receivers from 3,4 to 40 liters
- Max working pressure 33 bar
- Top outlet with rotalock connection
- With basement
- High quality rotalock valves with two connections 1/4 "flare/sae
- Safety valves with different sizes and set pressure 29 bar



Metal base

- Produced from carbon steel with special treatment and thickness 3 mm
- Robust design and compact dimensions
- Additional supports under compressor
- Whole metal base - easy to install different components
- Holes for components and different type of compressors made with punching mashine
- Special supports for antivibration dampers

Powder Painting

- Cleaning before painting
 - Powder painting with controlled thickness of the coating
 - Two coatings-protective and main color
- (RAL 7035 WRI)**

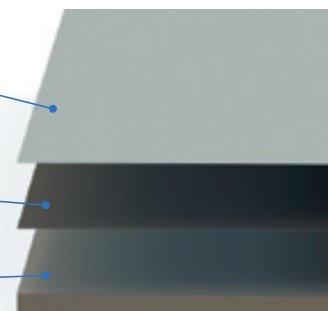
Paint Coating

RAL 7035 WRI

ZN Coating

Metal Base

2mm/3mm thick Carbon Steel



Weather protective housing

- Produced from carbon steel with special treatment and thickness 1.2 and 2 mm
- Compact design
- Easy assembly
- Powder-coated in RAL 7035 WRI

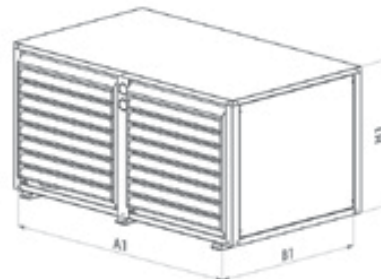
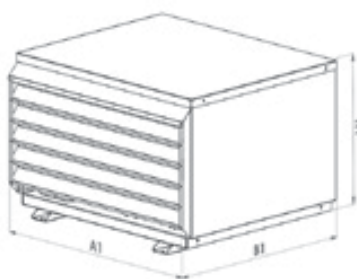
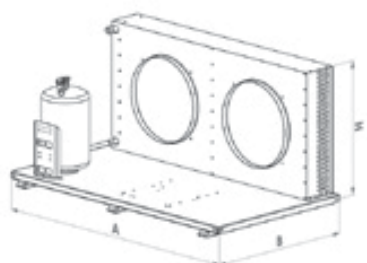
The range consists of 51 models.

NOMENCLATURE	DIMENSIONS						
	Unit Without Compressor			WPH Weather Protective Housing			
	A	B	H	A1	B1	H1	
	mm	mm	mm	mm	mm	mm	
TFB - (041) - 1/300-3,4**	640	700	485	695	715	515	WPH Type I
TFB - (058) - 1/300-3,4*	640	700	485	695	715	515	
TFB - (096) - 1/350-3,4 (5.3)**	640	750	535	695	765	565	
TFB - (109) - 1/350-3,4 (5.3)*	800	750	535	855	765	565	
TFB - (204) - 1/450-5,3 (7.6/10)*	810	800	685	865	815	715	
TFB - (258) - 1/450-10 (12/16)**	930	900	835	985	915	865	
TFB - (342) - 2/450-12 (16/20)*	1220	950	735	1240	950	770	WPH Type II
TFB - (412) - 2/450-12 (16/20/24.5)**	1460	1000	785	1480	1000	820	
TFB - (520) - 2/500-16 (20/24.5/30)*	1705	1050	835	1725	1050	870	
TFB - (575) - 2/500- 24.5 (30)**	1700	1150	985	1720	1150	1020	
TFB - (593) - 2/500- 24.5 (30)*	1700	1100	835	1720	1100	870	
TFB - (687) - 2/500-24.5 (30)*	1700	1150	985	1720	1150	1020	
TFB - (729) - 2/500-24.5 (30)**	1700	1150	985	1720	1150	1020	
TFB - (718) - 4/450-24.5 (30)**	1700	1150	1480	1720	1150	1515	
TFB - (878) - 4/450-24.5 (30)*	1700	1150	1480	1720	1150	1515	
TFB - (1123) - 4/500-30 (40)**	1700	1190	1875	1720	1190	1910	
TFB - (823) - 2/630-24.5 (30/40)*	2400	1190	1135	2420	1190	1170	
TFB - (1007) - 2/630-30 (40)*	2400	1190	1135	2420	1190	1170	
TFB - (1144) - 2/630-30 (40)*	2400	1190	1135	2420	1190	1170	
TFB - (1104) - 3/630-30 (40)**	TBD***			TBD***			
TFB - (1348) - 3/630-30 (40)**							
TFB - (1524) - 3/630-30 (40)**							

* Model on stock

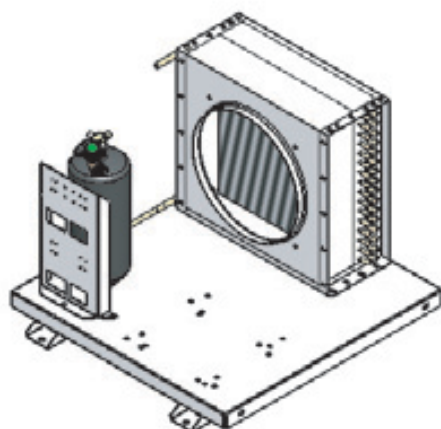
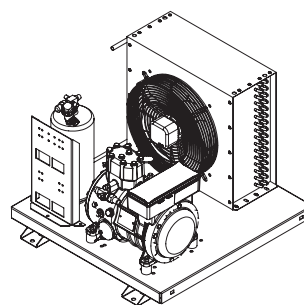
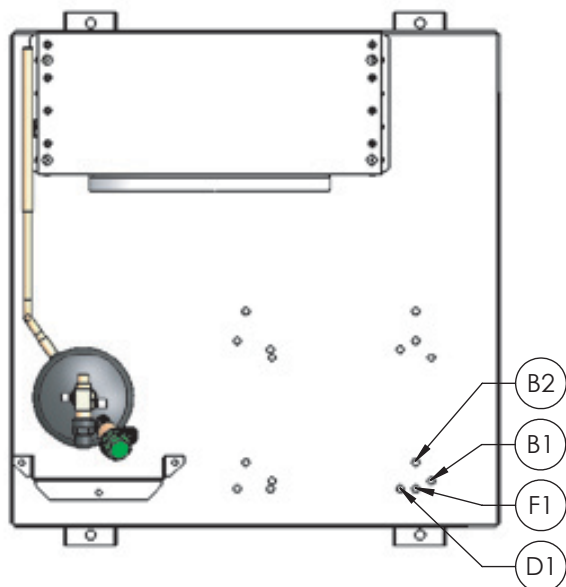
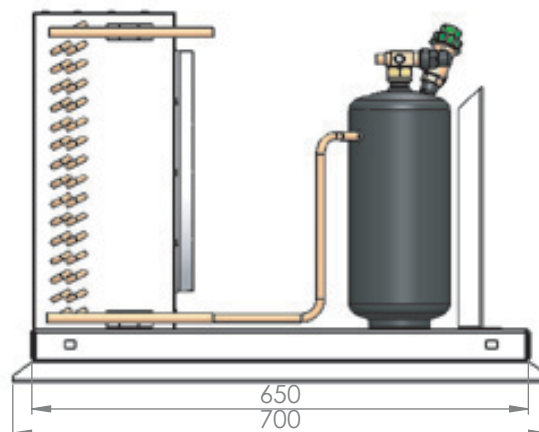
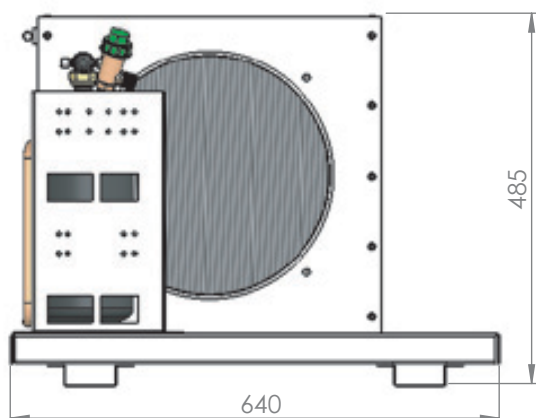
** The drawings are not present in the current catalogue

*** To Be Defined



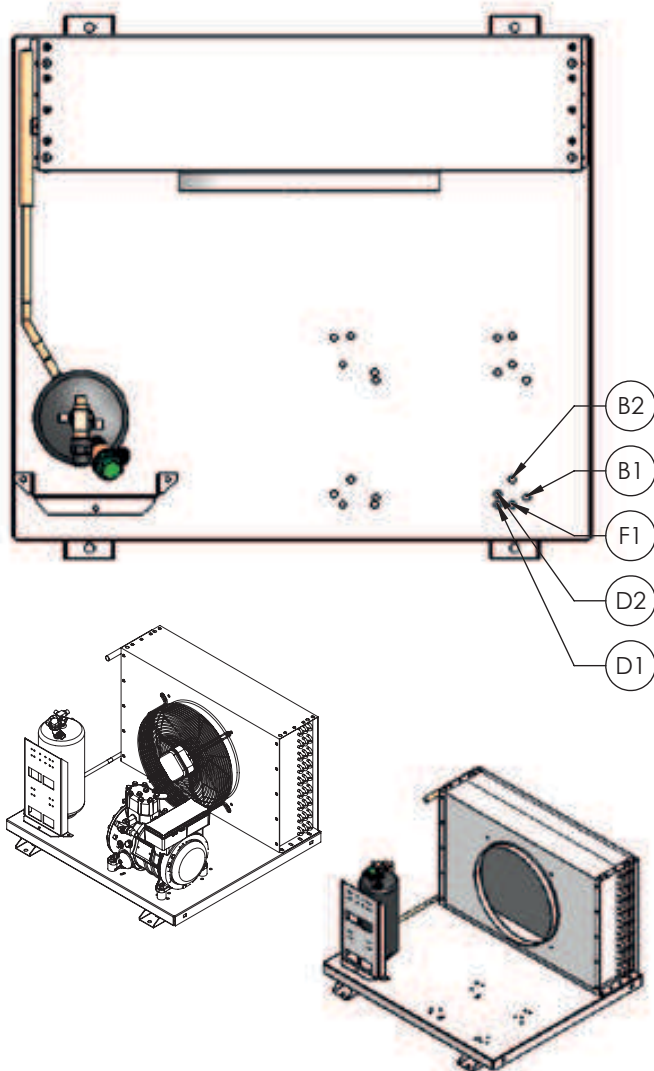
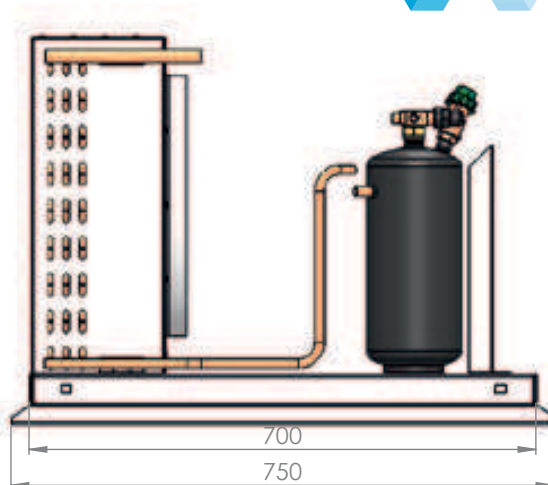
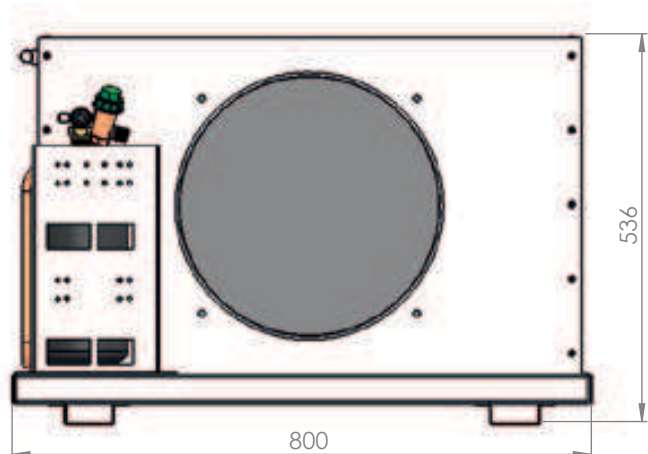
WPH Type I

WPH Type II



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (058) - 1/300-3,4	3,4	10	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F1 (234x194)	A0.7-5Y	MT - ST
		A1-6Y	MT - ST
		A1.5-7Y	MT - ST
		A0.5-4Y	MT - HA
		A1-7Y	LT - ST
		B1.5-9.1Y	LT - ST
		A0.7-6Y	LT - HA
 R404A R449A BITZER	B1 (208x162)	A1-6Y	LT - HA
		2HES-2Y	MT - ST
		2GES-2Y	MT - ST
		2KES-05Y	MT - HA
		2FES-2Y	LT - ST
		2HES-1Y	LT - HA
		2GES-2Y	LT - HA
 R404A R449A DORIN	B2 (223x198)	2EES-2Y	LT - ST
		H101CC	MT - ST
		H151CC	MT - ST
		H181CC	MT - ST
		H80CC	MT - HA
		H181CS	LT - ST
		H201CS	LT - ST
		H221CS	LT - ST
		H251CS	LT - ST
		H80CS	LT - HA
		H101CS	LT - HA
H151CS	LT - HA		
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				Horia			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
	300	1350	YWF-4E-300-S-02/35-G	---	---	1370	R09R-3030HA-4M-2543	---	---



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (109) - 1/350-3,4	3,4	10	
TFB - (109) - 1/350-5,3	5,3	12	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD	F1 (234x194)	D2-11.1Y	MT - ST
		D3-13.1Y	MT - ST
		A0 7-5Y	MT - HA
		A1-6Y	MT - HA
		A1.5-7Y	MT - HA
		B1.5-9.1Y	MT - HA
		D2-13.1Y	LT - ST
		D3-16.1Y	LT - ST
		D3-18.1Y	LT - ST
		A1-7Y	LT - HA
R404A R449A BITZER	B1 (208x162)	A1.5-8Y	LT - HA
		B1.5-9.1Y	LT - HA
		2GES-2Y	MT - HA
	B2 (223x198)	2GES-2Y	LT - HA
		2FES-2Y	LT - HA
		2EES-3Y	MT - ST
R404A R449A DORIN	D1 (170x183)	2DES-2Y	LT - ST
		2CES-3Y	LT - ST
		H221CC	MT - ST
		H251CC	MT - ST
		H281CC	MT - ST
		H101CC	MT - HA
		H151CC	MT - HA
		H181CC	MT - HA
		H201CC	MT - HA
		H281SB	LT - ST
		H281CS	LT - ST
		H151CS	LT - HA
		H201CS	LT - HA
	D2 (226x216)	H300CC	MT - ST
		H290CS	LT - ST
		H300CS	LT - ST

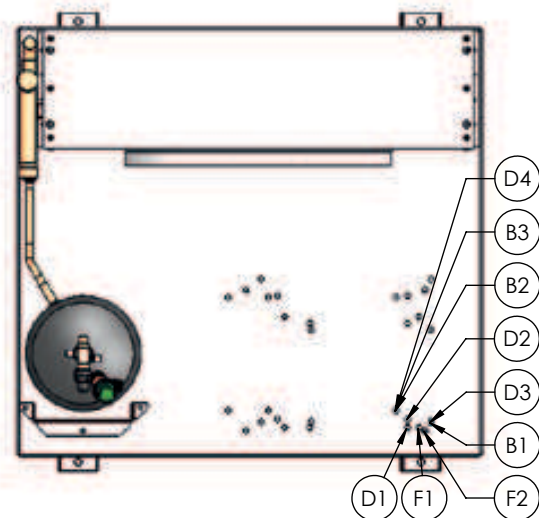
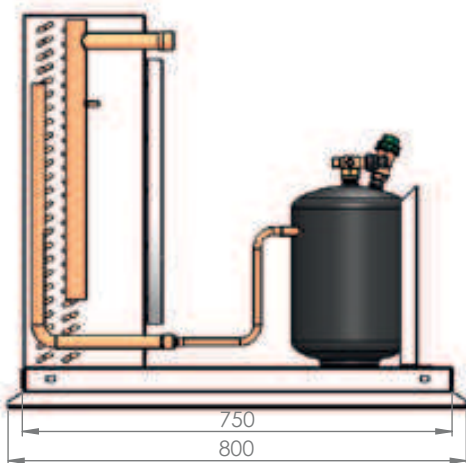
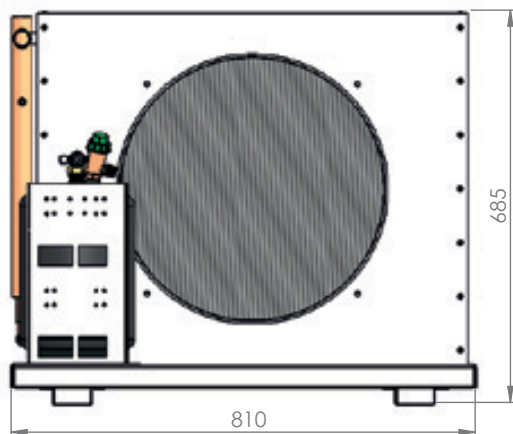
MT - MEDIUM TEMPERATURE

LT - LOW TEMPERATURE

ST - STANDARD

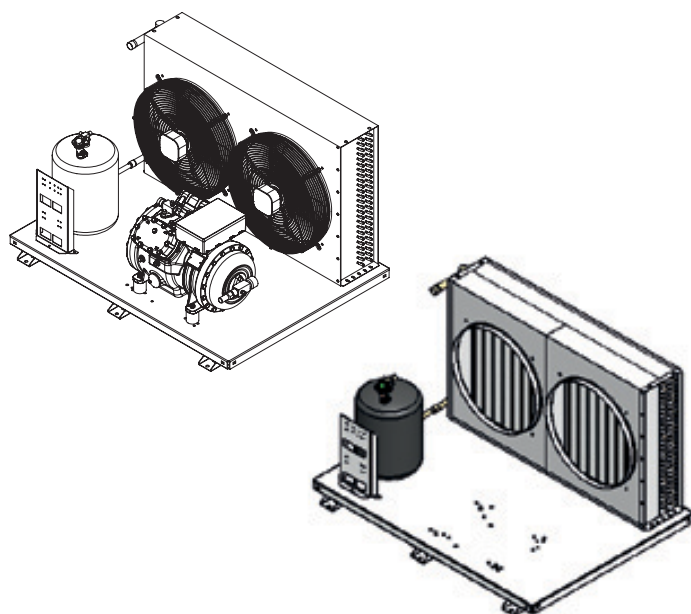
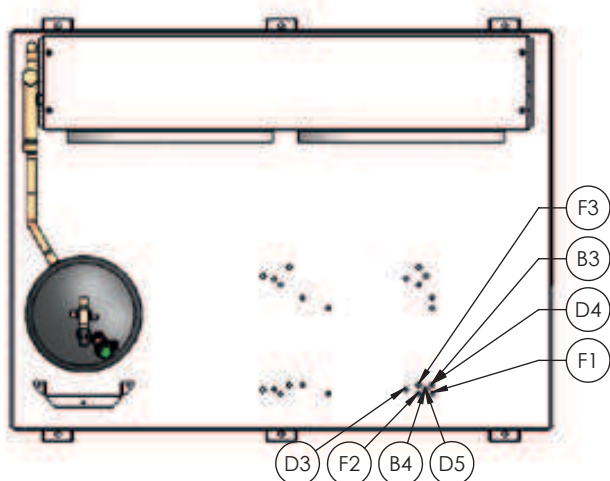
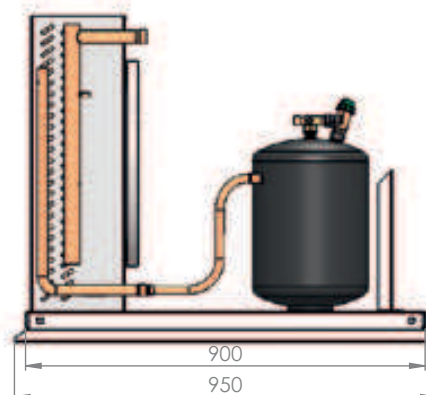
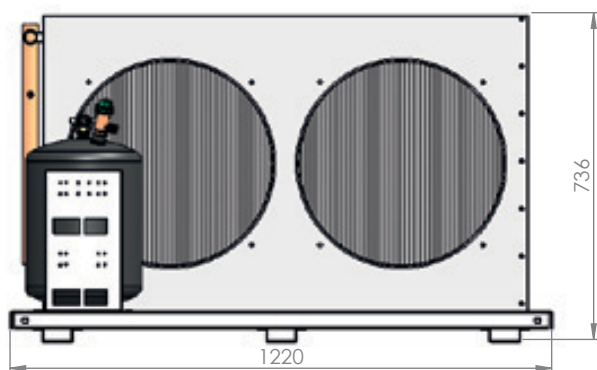
HA - HIGH AMBIENT

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORES & FANS				Hidria			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
1	350	1380 rpm	YWF-4E-350-S-102/34-G	1380 rpm	---	1380 rpm	R09R-3530HA-4M-4237	1405/1315 rpm	R09R-3530HA-4T-4258



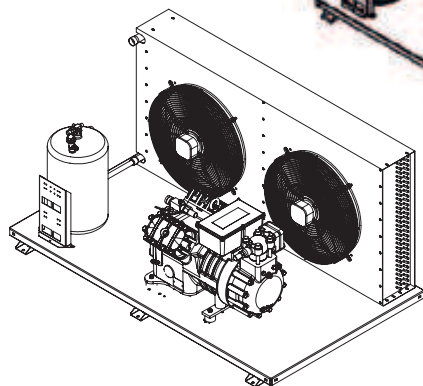
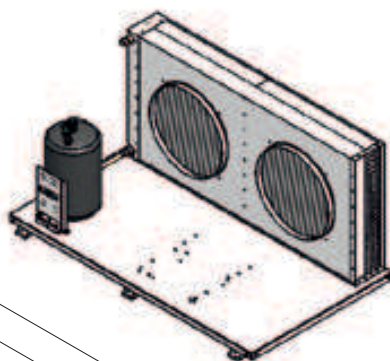
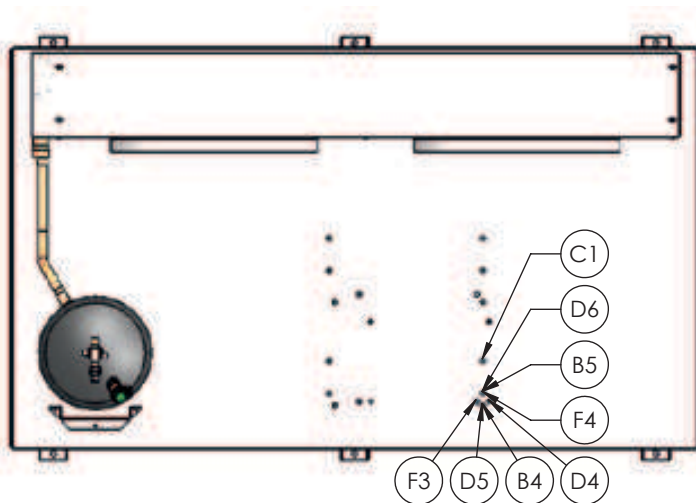
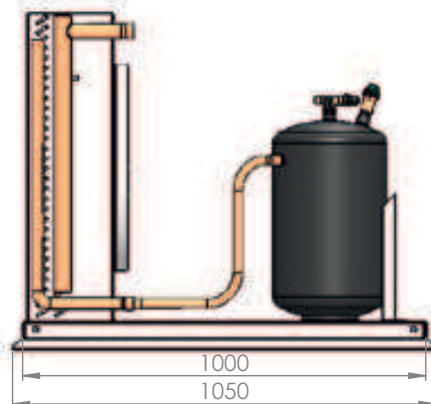
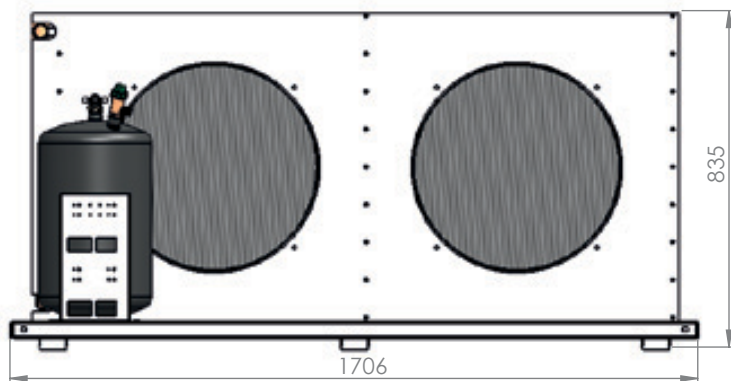
MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (204) - 1/450-5.3	5,3	12	
TFB - (204) - 1/450-7.6	7,6	12	
TFB - (204) - 1/450-10	10,0	16	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD 	F1 (204x194)	D3-15.1Y	MT - ST
		D4-16.1Y	MT - ST
		D4-16.1Y	MT - ST
		B2-10.1Y	MT - HA
		D2-11.1Y	MT - HA
		D3-13.1Y	MT - HA
		B2-10.1Y	LT - HA
		D2-11.1Y	LT - HA
		D2-13.1Y	LT - HA
	F2 (312x246)	D3-16.1Y	LT - HA
		D3-16.1Y	LT - HA
		D3-16.1Y	LT - HA
R404A R449A BITZER 	D1 (208x192)	Q5-24.1Y	MT - ST
	B2 (222x198)	Q4-20.1Y	LT - ST
		Q4-24.1Y	LT - ST
		Q5-26.1Y	LT - ST
		Q5-32.1Y	LT - ST
		2GES-2Y	MT - HA
		2FES-2Y	LT - HA
	B3 (265x198)	2DES-3Y	MT - ST
		2CES-4Y	MT - ST
		2EES-3Y	MT - HA
		2DES-2Y	LT - HA
		2CES-3Y	LT - HA
		4FES-5Y	MT - ST
		4EES-6Y	MT - ST
		4FES-3Y	LT - ST
4EES-4Y		LT - ST	
4DES-6Y	LT - ST		
4CES-6Y	LT - ST		
R404A R449A DORR 	D1 (170x192)	H201CC	MT - HA
		H251CC	MT - HA
		H281CC	MT - HA
		H201CS	LT - HA
		H251CS	LT - HA
		H281SB	LT - HA
	D2 (226x216)	H281CS	LT - HA
		H300CC	MT - ST
		H350CC	MT - ST
		H380CC	MT - ST
		H350SB	LT - ST
		H390CS	LT - ST
		H380SB	LT - ST
		H390CS	LT - ST
		H392CS	LT - ST
		H290CS	LT - HA
	H300CS	LT - HA	
	D3 (268x290)	H403CC	MT - ST
		H503CC	MT - ST
		H403CS	LT - ST
	D4 (293x198)	H451CC	MT - ST
		H401CS	LT - ST
		H451CS	LT - ST
		H551CS	LT - ST
H701CS		LT - ST	
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG MOTORS & FANS				HOMER			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
		rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm
	450	1350	1380	1230	1280	1230	1280	1230	1280
		YWF4E-450-S-102/80-G	YWF4D-450-S-102/80-G	R11R-45LPS-4M-S150	R11R-45LPS-4T-S757				



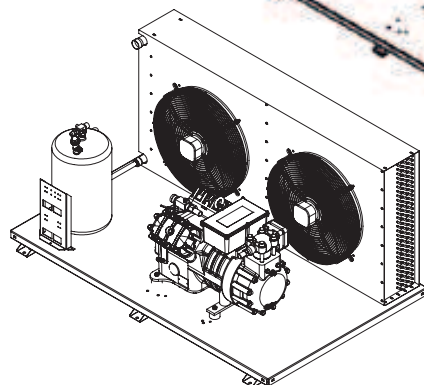
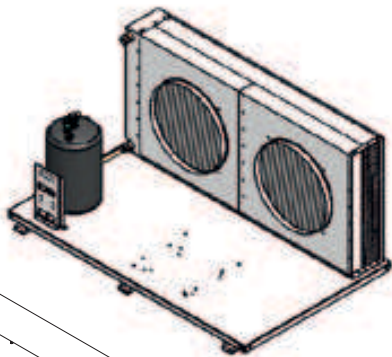
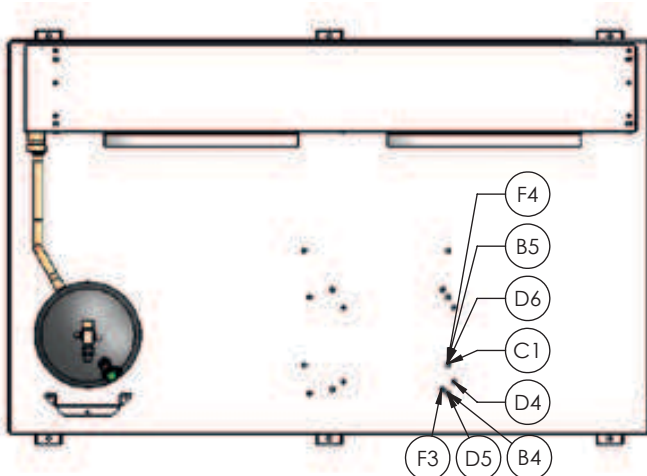
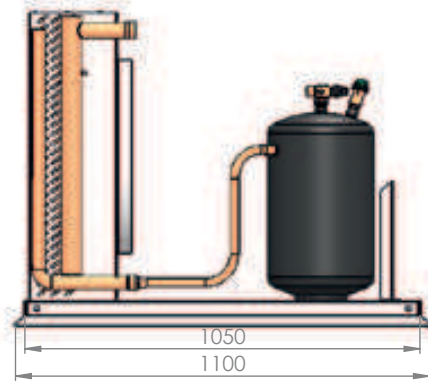
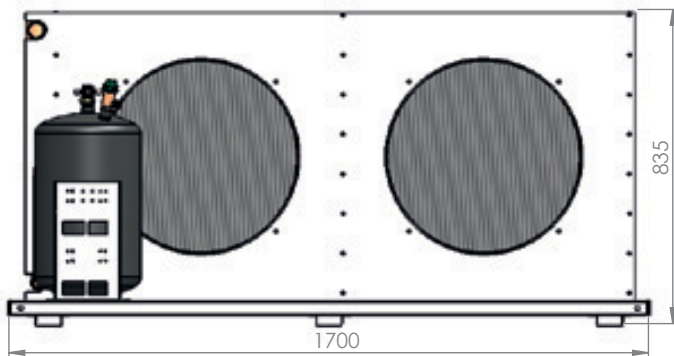
MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (342) - 2/450-12	12,0	16	
TFB - (342) - 2/450-16	16,0	18	
TFB - (342) - 2/450-20	20,0	18	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F1 (234x194)	D4-18.1Y	MT - HA
	F2 (312x248)	Q7-25.1Y	MT - ST
		Q7-28.1Y	MT - ST
		Q7-33.1Y	MT - ST
		Q5-21.1Y	MT - HA
		Q7-38.1Y	LT - ST
		Q5-33.1Y	LT - HA
	F3 (292x256)	S7-33Y	MT - ST
		S10-52Y	LT - ST
	S8-42Y	LT - HA	
 R404A R449A BITZER	B3 (293x198)	4FES-5Y	MT - HA
		4EES-6Y	MT - HA
		4CES-6Y	LT - HA
	B4 (367x256)	4TES-12Y	MT - ST
		4NES-14Y	LT - ST
		4TES-9Y	LT - HA
 R404A R449A DORN	D3 (296x250)	H403CC	MT - HA
		H503CC	MT - HA
	D4 (293x198)	H751CC	MT - ST
		H1002CC	MT - ST
		H451CC	MT - HA
		H701CS	LT - HA
	D5 (367x256)	H751CS	LT - HA
		H1201CC	MT - ST
		H1501CS	LT - ST
		H851CS	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hidra			
		 rpm	230V-1	 rpm	400V-2	 rpm	230V-1	 rpm	400V-2
	450	1350	YWF-4E-450-S-102/60-G	1380	YWF-4D-450-S-102/60-G	1230	R11R-45LPS-4M-S150	1250	R11R-45LPS-4T-S757



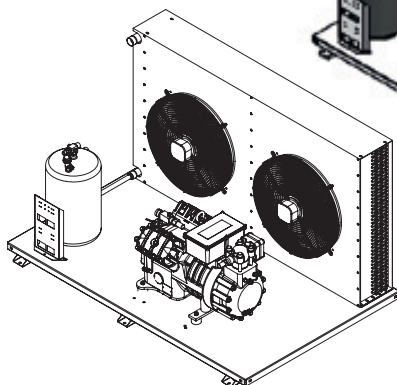
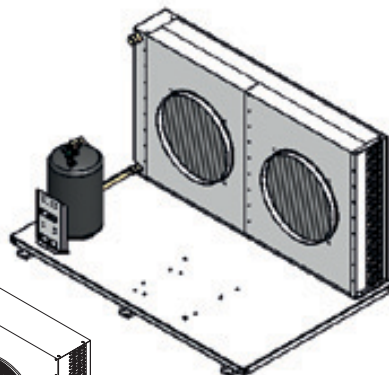
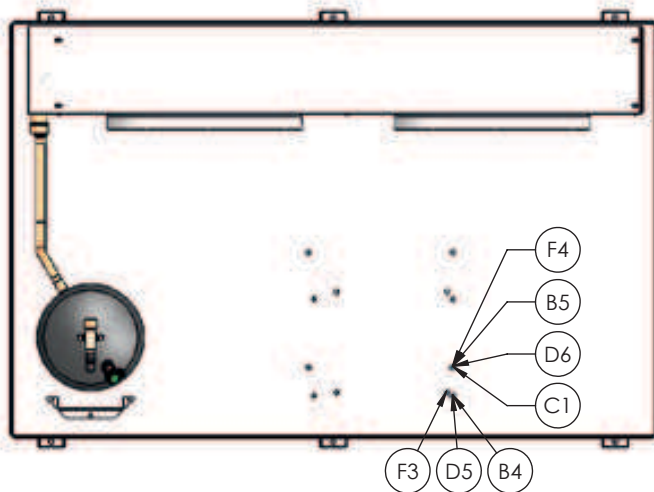
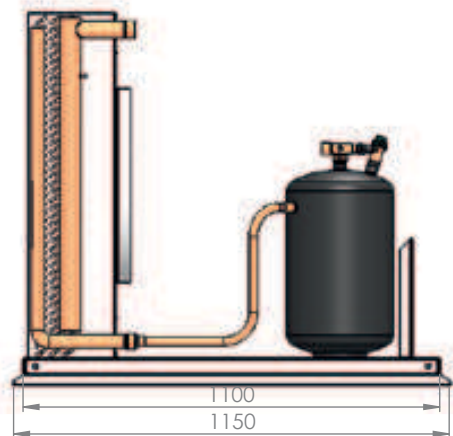
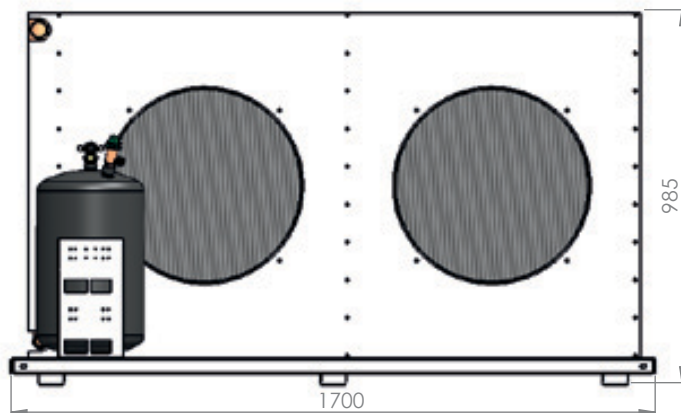
MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (520) - 2/500-12	12,0	16	
TFB - (520) - 2/500-16	16,0	18	
TFB - (520) - 2/500-20	20,0	18	
TFB - (520) - 2/500-24,5	24,5	22	
TFB - (520) - 2/500-30	30,0	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F3 (292x246)	S15-52Y	MT - ST
		S20-55Y	MT - ST
		S12-42Y	MT - HA
	F4 (381x305)	S10-52	LT - HA
		S15-55Y	LT - HA
		V20-59Y	MT - ST
 R404A R449A BITZER	B4 (367x256)	V20-84Y	LT - ST
		V15-71Y	LT - HA
		4PES-15Y	MT - ST
	B5 (381x305)	4NES-20Y	MT - ST
		4TES-12Y	MT - HA
		4PES-12Y	LT - HA
 R404A R449A DORIN	D4 (293x198)	4NES-14Y	LT - HA
		4JE-22Y	MT - ST
		4HE-18Y	LT - ST
	D5 (367x256)	4QE-23Y	LT - ST
		4JE-15Y	LT - HA
		H1002CC	MT - HA
 R404A R449A COPELAND	D6 (381x305)	H1003CC	MT - HA
		H1501CC	MT - ST
		H2001CC	MT - ST
	C1 (381x305)	H1201CC	MT - HA
		H1001CS	LT - HA
		H1501CS	LT - HA
 R404A R449A COPELAND	C1 (381x305)	H1601CS	LT - HA
		H2000CS	LT - ST
		H2500CS	LT - ST
	C1 (381x305)	3DS-150X	MT - ST
		4ML-15X	LT - ST
		4MM-20X	LT - ST
 R404A R449A COPELAND	C1 (381x305)	3DS-150X	LT - HA
		4MF-13X	LT - HA
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

NUMBER OF FANS	FAN DIAMETER ø mm	WEIGUANG MOTORS & FANS				Hidria			
		 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4M-7075	1415-1060	R13R-5030HA-4T2-70101



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (593) - 2/500-20	20,0	18	
TFB - (593) - 2/500-24.5	24,5	22	
TFB - (593) - 2/500-30	30,0	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F3 (292x266)	S20-56Y	MT - ST
		S12-42Y	MT - HA
		S15-52Y	MT - HA
		S12-52Y	LT - HA
		S15-56Y	LT - HA
	F4 (381x305)	V20-59Y	MT - ST
		V25-71Y	MT - ST
		V20-84Y	LT - ST
		V25-93Y	LT - ST
		V25-103Y	LT - ST
Z25-106Y		LT - ST	
 R404A R449A BITZER	B4 (367x256)	V230-126Y	LT - ST
		V15-71Y	LT - HA
		4NES-20Y	MT - ST
		4TES-12Y	MT - HA
	B5 (381x305)	4PES-15Y	MT - HA
		4NES-14Y	LT - HA
		4JE-22Y	MT - ST
		4HE-25Y	MT - ST
		4GE-23Y	LT - ST
		6JE-25Y	LT - ST
 R404A R449A DORIN	D4 (292x198)	6HE-28Y	LT - ST
		4JE-15Y	LT - HA
	D5 (367x256)	H1003CC	MT - HA
		H2001CC	MT - ST
		H2201CC	MT - ST
		H1201CC	MT - HA
	D6 (381x305)	H1501CC	MT - HA
		H1501CS	LT - HA
		H1601CS	LT - HA
		H2500CS	LT - ST
 R404A R449A COPELAND	C1 (381x305)	H2700CS	LT - ST
		H2900CS	LT - ST
		H3000CS	LT - ST
		4MA-22X	MT - ST
		3DS-150X	MT - HA
		4MT-22X	LT - ST
		4MU-25X	LT - ST
		6MM-30X	LT - ST
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

		WEIGUANG MOTORS & FANS				Hidria			
NUMBER OF FANS	FAN DIAMETER Ø mm	 230V-1	 400V-2	 230V-1	 400V-2	 230V-1	 400V-2	 230V-1	 400V-2
	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5030HA-4T1-7075	1415/1260	R13R-6030HA-4T2-70101



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (687) - 2/500-24.5	24,5	22	
TFB - (687) - 2/500-30	30,0	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD	F3 (29x256)	S20-56Y	MT - HA
	F4 (381x005)	V25-71Y	MT - ST
		V30-84Y	MT - ST
		V20-59Y	MT - HA
		V25-93Y	LT - ST
		V25-103Y	LT - ST
		Z25-106Y	LT - ST
		Z30-126Y	LT - ST
		V15-71Y	LT - HA
		V20-84Y	LT - HA
R404A R449A BITZER	B4 (367x256)	4NES-20Y	MT - HA
	B5 (381x005)	4HE-25Y	MT - ST
		4GE-30Y	MT - ST
		6JE-25Y	LT - ST
		4FE-28Y	LT - ST
		6HE-28Y	LT - ST
		6GE-34Y	LT - ST
		4HE-18Y	LT - HA
R404A R449A DORIN	D5 (367x256)	H2001CC	MT - HA
	D6 (381x005)	H2500CC	MT - ST
		H3000CC	MT - ST
		H2700CS	LT - ST
		H2900CS	LT - ST
		H3000CS	LT - ST
		H2000CS	LT - HA
R404A R449A COPELAND	C1 (381x005)	H2500CS	LT - HA
		4MH-25X	MT - ST
		4MI-30X	MT - ST
		4MT-22X	LT - ST
		4MU-25X	LT - ST
		6MM-30X	LT - ST
		4MF-13X	LT - HA
		4ML-15X	LT - HA
		4MT-22X	LT - HA

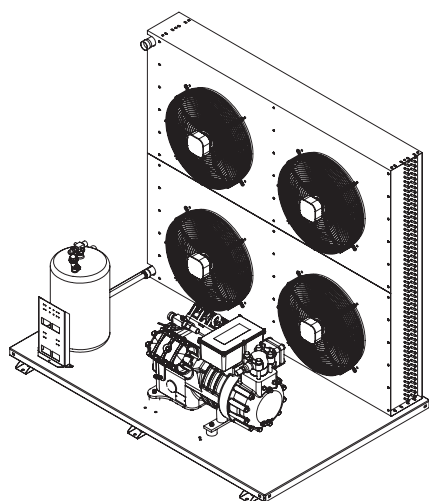
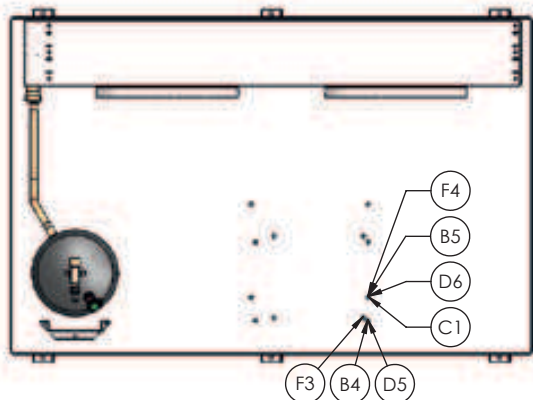
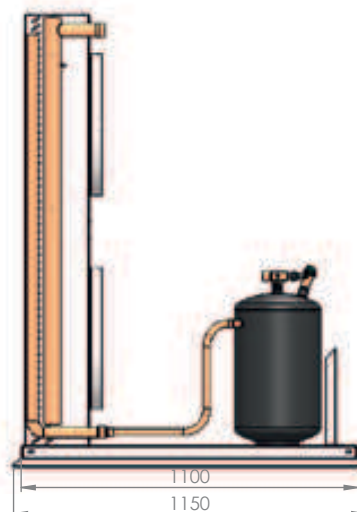
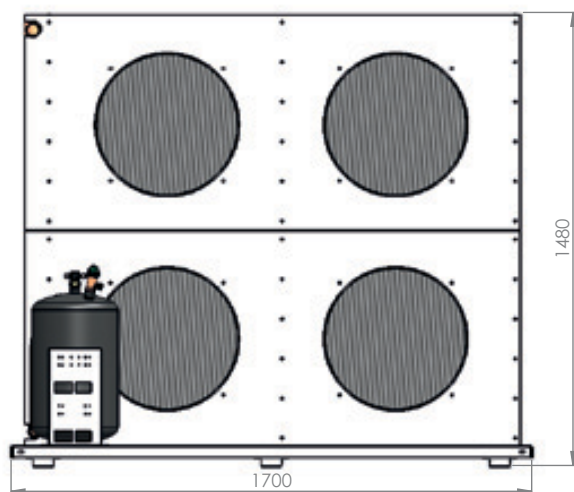
MT - MEDIUM TEMPERATURE

LT - LOW TEMPERATURE

ST - STANDARD

HA - HIGH AMBIENT

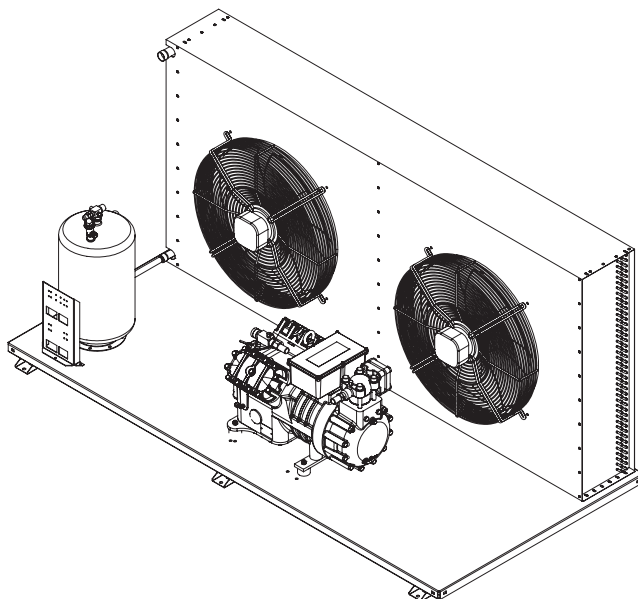
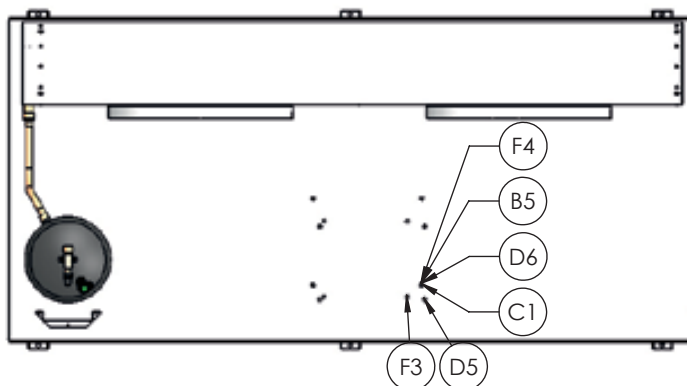
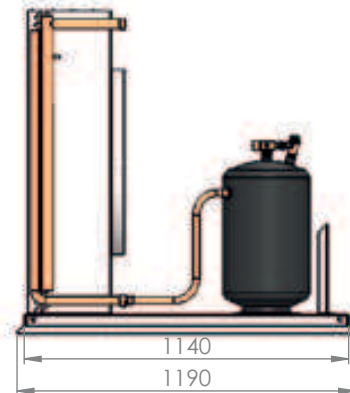
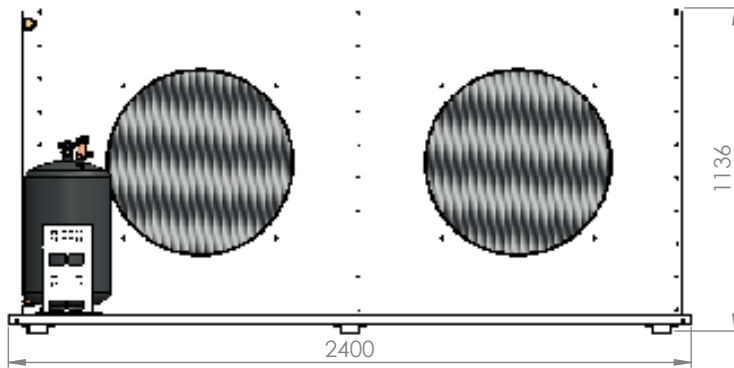
NUMBER OF FANS		FAN DIAMETER Ø mm		WEIGUANG		Hidra	
				230V-1	400V-3	230V-1	400V-3
				rpm	rpm	rpm	rpm
2	500	1300	YWF-4E-500-S-137/35-G	1300	YWF-4D-500-S-137/35-G	1370	R13R-5000HA-4M-7075
						1410/1200	R13R-5000HA-4T2-70101



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (878) - 4/450-24.5	24,5	22	
TFB - (878) - 4/450-30	30,0	22	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
R404A R449A FRASCOLD	F3 (292x256)	S20-56Y	MT - HA
	F4 (381x305)	V30-84Y	MT - ST
		V32-93Y	MT - ST
		V20-56Y	MT - HA
		V25-71Y	MT - HA
		Z30-128Y	LT - ST
		V20-84Y	LT - HA
		V25-93	LT - HA
		V25-103	LT - HA
		Z25-106	LT - HA
R404A R449A BITZER	B4 (367x256)	4NES-20Y	MT - HA
	B5 (381x305)	4GE-30Y	MT - ST
		4HE-25Y	MT - HA
		6GE-34Y	LT - ST
		4GE-23Y	LT - HA
		6JE-25Y	LT - HA
		4FE-28Y	LT - HA
		6HE-28Y	LT - HA
R404A R449A DORIN	D5 (367x256)	H2001CC	MT - HA
	D6 (381x305)	H3000CC	MT - ST
		H2500CC	MT - HA
		H3500CS	LT - ST
		H4000CS	LT - ST
		H2500CS	LT - HA
		H2700CS	LT - HA
		H2900CS	LT - HA
		H3000CS	LT - HA
		R404A R449A COPELAND	C1 (381x305)
4MJ-33X	MT - ST		
4MA-22X	MT - HA		
4MH-25X	MT - HA		
6MM-30X	LT - ST		
6MT-35X	LT - ST		
4MT-22X	LT - HA		
4MU-25X	LT - HA		

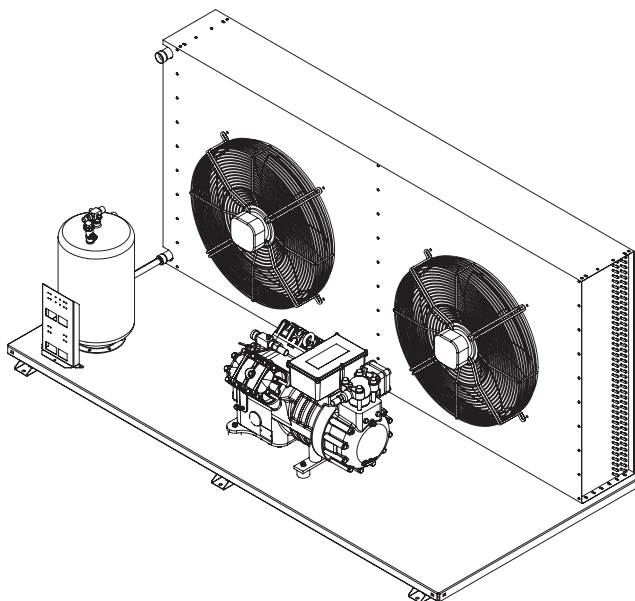
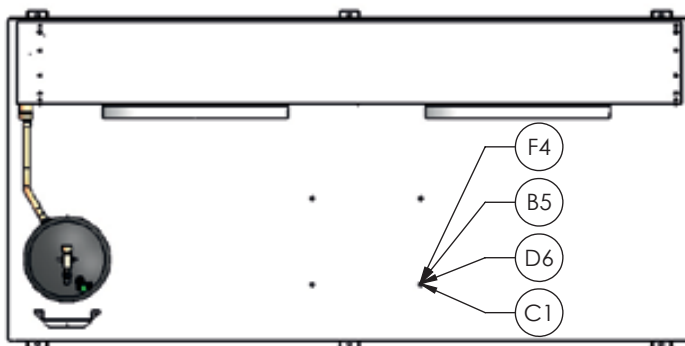
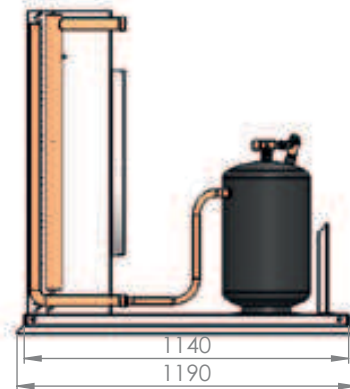
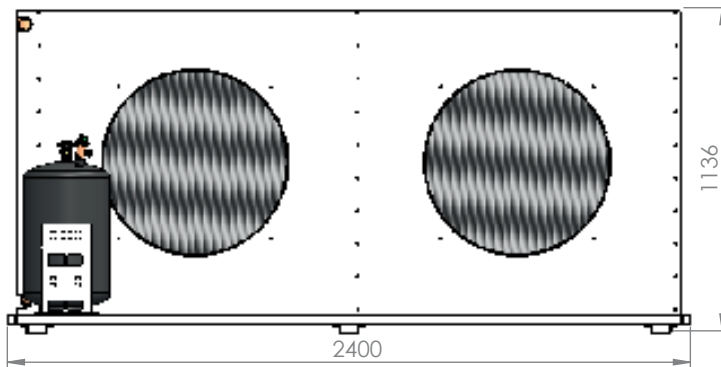
MT - MEDIUM TEMPERATURE
LT - LOW TEMPERATURE
ST - STANDARD
HA - HIGH AMBIENT

NUMBER OF FANS	FAN DIAMETER Ø mm	WEIGUANG				Hidria			
		230V-1	400V-3	230V-1	400V-3	230V-1	400V-3	230V-1	400V-3
4	450	1350	YWF-4E-450-S-102/60-G	1360	YWF-4D-450-S-102/60-G	1230	R11R-45LP5-4M-5150	1250	R11R-45LP5-4T-5757



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm			
TFB - (823) - 2/630-30	30,0	22			
TFB - (823) - 2/630-40	40,0	28			
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX		
R404A R449A FRASCOLD	F3 (292x266)	S20-56Y	MT - HA		
	F4 (381x305)	V30-84Y	MT - ST		
		V32-93Y	MT - ST		
		V20-59Y	MT - HA		
		V25-71Y	MT - HA		
		Z30-126Y	LT - ST		
		V20-84Y	LT - HA		
		V25-63	LT - HA		
		V25-103	LT - HA		
		Z25-106	LT - HA		
R404A R449A BITZER	B5 (381x305)	4GE-30Y	MT - ST		
		4JE-22Y	MT - HA		
		4HE-25Y	MT - HA		
		6GE-34Y	LT - ST		
		4GE-23Y	LT - HA		
		6JE-25Y	LT - HA		
		4FE-28Y	LT - HA		
		6HE-28Y	LT - HA		
		R404A R449A DORIN	D5 (367x266)	H2201CC	MT - HA
			D6 (381x305)	H3000CC	MT - ST
H2500CC	MT - HA				
H3500CS	LT - ST				
H4000CS	LT - ST				
H2500CS	LT - HA				
H2700CS	LT - HA				
H2900CS	LT - HA				
H3000CS	LT - HA				
R404A R449A COPELAND	C1 (381x305)			4MI-30X	MT - ST
		4MU-33X	MT - ST		
		4MA-22X	MT - HA		
		4MH-25X	MT - HA		
		6MM-30X	LT - ST		
		6MT-35X	LT - ST		
		4MT-22X	LT - HA		
		4MU-25X	LT - HA		
		MT - MEDIUM TEMPERATURE			
		LT - LOW TEMPERATURE			
ST - STANDARD					
HA - HIGH AMBIENT					

NUMBER OF FANS		FAN DIAMETER Ø mm		WEIGUANG MOTORS & FANS		ebmpapst	
	630	1360	YWF-4E-630-S-137/70-G	1320	YWF-4D-630-S-137/70-G	1339/1070	A4D 630-AR01-01



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (1007) - 2/630-30	30,0	22	
TFB - (1007) - 2/630-40	40,0	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F4 (381x005)	V32-93Y	MT - ST
		V35-103Y	MT - ST
		Z35-106Y	MT - ST
		V25-71Y	MT - HA
		V30-84Y	MT - HA
		Z40-154Y	LT - ST
		V20-84Y	LT - HA
		V25-93Y	LT - HA
		V25-103Y	LT - HA
		Z25-106Y	LT - HA
 R404A R449A BITZER	B5 (381x005)	Z30-126Y	LT - HA
		6JE-33Y	MT - ST
		4FE-36Y	MT - ST
		6HE-35Y	MT - ST
		4HE-25Y	MT - HA
		4GE-30Y	MT - HA
		4GE-23Y	LT - HA
		6JE-25Y	LT - HA
		4FE-28Y	LT - HA
		6HE-28Y	LT - HA
 R404A R449A DORIN	D6 (381x005)	6GE-34Y	LT - HA
		H3200CC	MT - ST
		H3400CC	MT - ST
		H3500CC	MT - ST
		H2500CC	MT - HA
		H3000CC	MT - HA
		H4000CS	LT - ST
		H4500CS	LT - ST
		H2500CS	LT - HA
		H2700CS	LT - HA
 R404A R449A COPELAND	C1 (381x005)	H2900CS	LT - HA
		H3000CS	LT - HA
		H3500CS	LT - HA
		4MK-35X	MT - ST
		4MI-30X	MT - HA
		4MU-33X	MT - HA
		6MT-35X	LT - ST
		6MU-40X	LT - ST
		4MT-22X	LT - HA
		4MU-25X	LT - HA
6MM-30X	LT - HA		
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

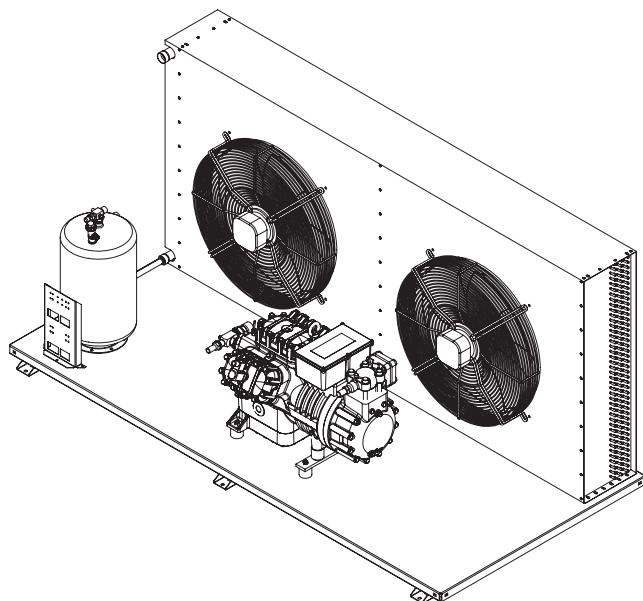
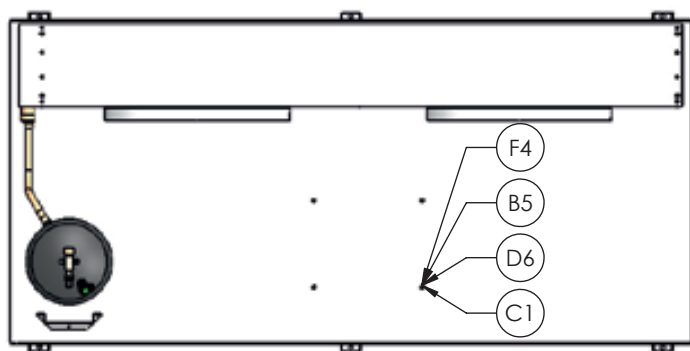
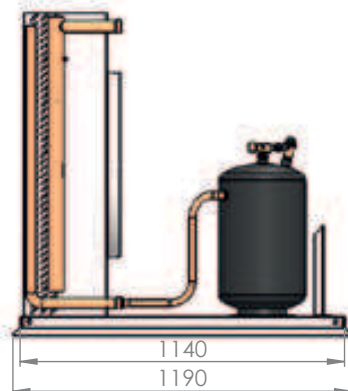
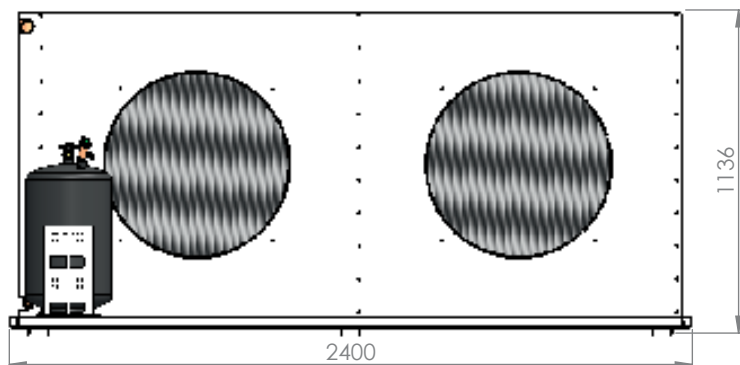
MT - MEDIUM TEMPERATURE

LT - LOW TEMPERATURE

ST - STANDARD

HA - HIGH AMBIENT

		WEIGUANG MOTORS & FANS				ebmpapst			
NUMBER OF FANS	FAN DIAMETER Ø mm	 rpm	230V-1	 rpm	400V-3	 rpm	230V-1	 rpm	400V-3
	630	1360	YWF-4E-630-S-137/70-G	1320	YWF-4D-630-S-137/70-G	—	—	1330/1070	A4D 630-AR01-01



MODEL	LIQUID RECEIVER, L	OUTLET CONNECTION ODS, mm	
TFB - (1144) - 2/630-30	30,0	22	
TFB - (1144) - 2/630-40	40,0	28	
COMPRESSOR	COMPRESSOR POSITION INDEX	MODEL	APPLICATION INDEX
 R404A R449A FRASCOLD	F4 (381x306)	Z35-106Y	MT - ST
		Z40-126Y	MT - ST
		V32-93Y	MT - HA
		V35-103Y	MT - HA
		Z30-126Y	LT - HA
 R404A R449A BITZER	B5 (381x306)	Z40-154Y	LT - HA
		6HE-35Y	MT - ST
		6GE-40Y	MT - ST
		6JE-33Y	MT - HA
		4FE-35Y	MT - HA
 R404A R449A DORIN	D6 (381x306)	6GE-34Y	LT - HA
		6FE-44Y	LT - HA
		H3500CC	MT - ST
		H4000CC	MT - ST
		H4500CC	MT - ST
 R404A R449A COPELAND	C1 (381x306)	H3200CC	MT - HA
		H3400CC	MT - HA
		H3500CS	LT - HA
		H4000CS	LT - HA
		H4500CS	LT - HA
		6MI-40X	MT - ST
		6MJ-45X	MT - ST
		4MJ-33X	MT - HA
		4MK-35X	MT - HA
6MM-30X	LT - HA		
6MT-35X	LT - HA		
6MU-40X	LT - HA		
MT - MEDIUM TEMPERATURE			
LT - LOW TEMPERATURE			
ST - STANDARD			
HA - HIGH AMBIENT			

NUMBER OF FANS		FAN DIAMETER Ø mm		WEIGUANG MOTORS & FANS		ebmpapst	
				230V-1	400V-3	230V-1	400V-3
				rpm	rpm	rpm	rpm
	630	1380	YWF-4E-630-S-137/70-G	1320	YWF-4D-630-S-137/70-G	—	1330(1070)
							A4D 630-AR01-01

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (041) - 1/300-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A0,5 4Y	3.95		
BITZER	2KES-05Y	4.06		
DORIN			H80CC	4.42

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (041) - 1/300-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A0,7 6Y	5.47	A0,5 5Y	4.93
BITZER	2HES-1Y	6.51	2KES-05Y	4.06
	2GES-2Y	7.58	2JE-07Y	5.21
DORIN	H80CS	5.37	H51CS	4.42
	H101CS	6.71		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (058) - 1/300-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A0,7 5Y	4.93	A0,5 4Y	3.95
	A1 6Y	5.47		
	A1,5 7Y	6.91		
BITZER	2HES-2Y	6.51	2KES-05Y	4.06
	2GES-2Y	7.58		
DORIN	H101CC	5.37	H80CC	4.42
	H151CC	6.71		
	H181CC	7.50		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (058) - 1/300-3,4				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A1 7Y	6.91	A0,7 6Y	5.47
	B1,5 9.1Y	8.96	A1 6Y	5.47
BITZER	2FES-2Y	9.54	2HES-1Y	6.51
	2EES-2Y	11.36	2GES-2Y	7.58
DORIN	H181CS	9.16	H80CS	5.37
	H201CS	9.81	H101CS	6.71
	H221CS	10.61	H151CS	7.50
	H251CS	11.64		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (096) - 1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	A1,5 7Y	6.91	A1 6Y	5.47
	B2 10.1Y	9.84		
	D2 11.1Y	11.26		
BITZER	2GES-2Y	7.58		
	2FES-3Y	9.54		
DORIN	H151CC	6.71	H101CC	5.37
	H181CC	7.50		
	H201CC	9.16		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (096) - 1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	B2 10.1Y	9.84		
	D2 11.1Y	11.26		
	D2 13.1Y	13.15		
BITZER	2FES-2Y	9.54	2GES-2Y	7.58
	2EES-2Y	11.36		
	2DES-2Y	13.42		
DORIN	H201CS	9.81	H151CS	7.50
	H221CS	10.61		
	H251CS	11.64		
	H281SB	13.23		
	H281CS	13.23		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (109) - 1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	D2 11.1Y	11.26	A0,7 5Y	4.93
	D3 13.1Y	13.15	A1 6Y	5.47
			A1,5 7Y	6.91
			B1,5 9.1Y	8.96
BITZER	2EES-3Y	11.36	2GES-2Y	7.58
DORIN	H221CC	9.88	H101CC	6.71
	H251CC	10.61	H151CC	6.71
	H281CC	11.64	H181CC	7.50
	H300CC	14.74	H201CC	9.16

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (109) - 1/350-3,4 (5,3)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	D2 13.1Y	13.15	A1 7Y	6.91
	D3 16.1Y	16.40	A1,5 8Y	7.65
	D3 18.1Y	17.93	B1,5 9.1Y	8.96
BITZER	2DES-2Y	13.42	2GES-2Y	7.58
	2CES-3Y	16.42	2FES-2Y	9.54
DORIN	H281SB	13.23	H151CS	7.50
	H281CS	13.23	H201CS	9.81
	H290CS	14.74		
	H300CS	15.94		

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (204) - 1/450-5,3 (7,6/10)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	D3 15.1Y	15.36	B2 10.1Y	9.84
	D4 16.1Y	16.40	D2 11.1Y	11.26
	D4 18.1Y	17.93	D3 13.1Y	13.15
	Q5 24.1Y	23.91		
BITZER	2DES-3Y	13.42	2GES-2Y	7.58
	2CES-4Y	16.24	2EES-3Y	11.36
	4FES-5Y	18.05		
	4EES-6Y	22.72		
DORIN	H300CC	14.74	H201CC	9.16
	H350CC	15.94	H251CC	10.61
	H380CC	17.53	H281CC	11.64
	H451CC	19.29		
	H403CC	19.98		
	H503CC	22.83		

LOW TEMPERATURE T ₀ = -25°C				
TFB - (204) - 1/450-5,3 (7,6/10)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	Q4 20.1Y	19.77	B2 10.1Y	9.84
	Q4 24.1Y	23.91	D2 11.1Y	11.26
	Q5 28.1Y	27.88	D2 13.1Y	13.15
	Q5 33.1Y	32.66	D3 16.1Y	16.40
			D3 18.1Y	17.93
BITZER	4FES-3Y	18.05	2FES-2Y	9.54
	4EES-4Y	22.72	2EES-2Y	11.36
	4DES-5Y	26.84	2DES-2Y	13.42
	4CES-6Y	32.48	2CES-3Y	16.24
DORIN	H350SB	17.53	H201CS	9.81
	H401CS	19.29	H251CS	11.64
	H390CS	19.53	H281SB	13.23
	H380SB	19.53	H281CS	13.23
	H390CS	19.53	H290CS	14.74
	H403CS	22.83	H300CS	15.94
	H451CS	23.13		
	H392CS	23.31		
	H551CS	27.33		
	H701CS	31.88		

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (258) - 1/450-10 (12/16)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	Q5 21.1Y	21.17	D3 13.1Y	13.15
	Q5 24.1Y	23.91	D3 15.1Y	15.36
	Q5 25.1Y	24.69	D4 16.1Y	16.40
	Q7 25.1Y	24.69		
	Q7 28.1Y	27.88		
BITZER	4EES-6Y	22.72	2DES-3Y	13.42
	4DES-7Y	26.84	2CES-4Y	16.24
	4CES-9Y	32.48	4FES-5Y	18.05
DORIN	H503CC	22.83	H300CC	14.74
	H551CC	23.13	H350CC	15.94
	H743CC	26.44	H380CC	17.53
	H701CC	27.33		

LOW TEMPERATURE T ₀ = -25°C				
TFB - (258) - 1/450-10 (12/16)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	Q5 36.1Y	35.86	Q4 20.1Y	19.77
	Q7 36.1Y	35.86	Q4 24.1Y	23.91
	S8 42Y	41.32	Q5 28.1Y	27.88
			Q5 33.1Y	32.66
BITZER	4TES-9Y	41.33	4EES-4Y	22.72
	4PES-12Y	48.50	4DES-5Y	26.84
DORIN			4DES-5Y	26.84
	H751CS	38.06	H350SB	17.53
	H851CS	42.81	H401CS	19.29
	H801CS	43.73	H390CS	19.53
	H1001CS	48.82	H380SB	19.53
			H390CS	19.53
			H403CS	22.83
			H451CS	23.13
			H392CS	23.31
			H551CS	27.33
			H701CS	31.88

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (342) - 2/450-12 (16/20)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	Q7 25.1Y	24.69	D4 18.1Y	17.93
	Q7 28.1Y	27.88	Q5 21.1Y	21.17
	Q7 33.1Y	32.66		
	S7 33Y	32.80		
BITZER	4TES-12Y	41.33	4FES-5Y	18.05
			4EES-6Y	22.72
DORIN	H751CC	31.88	H451CC	19.29
	H1002CC	38.06	H403CC	19.98
	H1201CC	42.81	H503CC	22.83

LOW TEMPERATURE T ₀ = -25°C				
TFB - (342) - 2/450-12 (16/20)				
COMPRESSOR	STANDARD	m³/h	HIGH AMBIENT	m³/h
FRASCOLD	Q7 36.1Y	35.86	Q5 33.1Y	32.66
	S10 52Y	51.50	S8 42Y	41.32
BITZER	4NES-14Y	56.25	4CES-6Y	32.48
			4TES-9Y	41.33
DORIN	H1501CS	56.87	H701CS	31.88
			H751CS	38.06
			H851CS	42.81

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (412) - 2/450-12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S12 42Y	41.32	Q5 21.1Y	21.17
	S15 52Y	51.50	Q5 24.1Y	23.91
			Q7 25.1Y	24.69
			Q7 28.1Y	27.88
			Q7 33.1Y	32.66
			S7 33Y	32.80
BITZER	4TES-12Y	41.33	4EES-6Y	22.72
			4CES-9Y	32.48
DORIN	H1002CC	38.06	H503CC	22.83
	H1201CC	42.81	H551CC	23.13
	H1003CC	43.73	H751CC	31.88

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (412) - 2/450-12 (16/20/24,5)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S15 56Y	56.00	Q5 36.1Y	35.86
	V15 71Y	70.77	Q7 36.1Y	35.86
			S8 42Y	41.32
BITZER	4NES-14Y	56.25	4CES-6Y	32.48
	4JE-15Y	63.50	4TES-9Y	41.33
DORIN	H1501CS	56.87	H701CS	31.88
	H1601CS	63.76	H751CS	38.06
			H851CS	42.81
COPELAN	3DS-150X	49.90		
	4MF-13X	61.70		

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (520) - 2/500-16 (20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S15 52Y	51.50	S12 42Y	41.32
	S20 56Y	56.00		
	V20 59Y	58.48		
BITZER	4PES-15Y	48.50	4TES-12Y	41.33
	4NES-20Y	56.25		
	4JE-22Y	63.50		
DORIN	H1501CC	48.82	H1002CC	38.06
	H2001CC	56.87	H1201CC	42.81
			H1003CC	43.73
COPELAN	3DS-150X	49.90		

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (520) - 2/500-16 (20/24,5/30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V20 84Y	83.81	S10 52Y	51.50
			S15 56Y	56.00
			V15 71Y	70.77
BITZER	4HE-18Y	73.60	4PES-12Y	48.50
	4GE-23Y	84.50	4NES-14Y	56.25
			4JE-15Y	63.50
DORIN	H2000CS	75.83	H1001CS	48.82
	H2500CS	85.01	H1501CS	56.87
			H1601CS	63.76
COPELAN	4ML-15X	71.40	3DS-150X	49.90
	4MM-20X	78.20	4MF-13X	61.70

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (575/593) - 2/500- 24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	S20 56Y	56.00	S12 42Y	41.32
	V20 59Y	58.48	S15 52Y	51.50
	V25 71Y	70.77		
BITZER	4NES-20Y	56.25	4TES-12Y	41.33
	4JE-22Y	63.50	4PES-15Y	48.50
	4HE-25Y	73.60		
DORIN	H2001CC	56.87	H1201CC	42.81
	H2201CC	63.76	H1003CC	43.73
			H1501CC	48.82
COPELAN	4MA-22X	61.70	3DS-150X	49.90

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (575/593) - 2/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V20 84Y	83.81	S10 52Y	51.50
	V25 93Y	93.05	S15 56Y	56.00
	V25 103Y	102.90	V15 71Y	70.77
	Z25 106Y	106.16		
	Z30 126Y	125.72		
BITZER	4GE-23Y	84.50	4NES-14Y	56.25
	6JE-25Y	95.30	4JE-15Y	63.50
	6HE-28Y	110.50		
DORIN	H2500CS	85.01	H1501CS	56.87
	H2700CS	92.25	H1601CS	63.76
	H2900CS	102.35		
	H3000CS	113.74		
COPELAN	4MT-22X	87.70	4MF-13X	61.70
	4MU-25X	99.40	4ML-15X	71.40
	6MM-30X	120.50		

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (687/729) - 2/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V25 71Y	70.77	S20 56Y	56.00
	V30 84Y	83.81	V20 59Y	58.48
BITZER	4HE-25Y	73.60	4NES-20Y	56.25
	4GE-30Y	84.50		
DORIN	H2500CC	75.83	H2001CC	56.87
6	H3000CC	85.01		
COPELAN	4MH-25X	71.40		56.87
8	4MI-30X	78.20		

LOW TEMPERATURE T ₀ = -25°C				
TFB - (687/729) - 2/500-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V25 93Y	93.05	V15 71Y	70.77
	V25 103Y	102.90	V20 84Y	83.81
	Z25 106Y	106.16		
	Z30 126Y	125.72		
BITZER	6JE-25Y	95.30	4HE-18Y	73.60
	4FE-28Y	101.80	4GE-23Y	84.50
	6HE-28Y	110.50		
	6GE-34Y	126.80		
DORIN	H2700CS	92.25	H2000CS	75.83
	H2900CS	102.35	H2500CS	85.01
	H3000CS	113.74		
COPELAN	4MT-22X	87.70	4MF-13X	61.70
	4MU-25X	99.40	4ML-15X	71.40
	6MM-30X	120.50	4MT-22X	87.70

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (718) - 4/450-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V25 71Y	70.77	S20 56Y	56.00
	V30 84Y	83.81	V20 59Y	58.48
BITZER	4HE-25Y	73.60	4NES-20Y	56.25
	4GE-30Y	84.50		
DORIN	H2500CC	75.83	H2001CC	56.87
	H3000CC	85.01		
COPELAN	4MH-25X	71.40		
	4MI-30X	78.20		
	4MJ-33X	87.70		

LOW TEMPERATURE T ₀ = -25°C				
TFB - (718) - 4/450-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z30 126Y	125.72	V20 84Y	83.81
			V25 93Y	93.05
			V25 103Y	102.90
			Z25 106Y	106.16
BITZER	6GE-34Y	126.80	4GE-23Y	84.50
			6JE-25Y	95.30
			4FE-28Y	101.80
			6HE-28Y	110.50
DORIN	H3500CS	127.52	H2500CS	85.01
			H2700CS	92.25
			H2900CS	102.35
			H3000CS	113.74
COPELAN	6MM-30X	120.50	4MT-22X	87.70
			4MU-25X	99.40

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (878) - 4/450-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V30 84Y	83.81	S20 56Y	56.00
	V32 93Y	93.05	V20 59Y	58.48
			V25 71Y	70.77
BITZER	4GE-30Y	84.50	4NES-20Y	56.25
			4HE-25Y	73.60
DORIN	H3000CC	85.01	H2001CC	56.87
			H2500CC	75.83
COPELAN	4MI-30X	78.30	4MA-22X	61.70
	4MJ-33X	87.70	4MH-25X	71.40

LOW TEMPERATURE T ₀ = -25°C				
TFB - (878) - 4/450-24,5 (30)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z30 126Y	125.72	V20 84Y	83.81
			V25 93Y	93.05
			V25 103Y	102.90
			Z25 106Y	106.16
BITZER	6GE-34Y	126.80	4GE-23Y	84.50
			6JE-25Y	95.30
			4FE-28Y	101.80
			6HE-28Y	110.50
DORIN	H3500CS	127.52	H2500CS	85.01
	H4000CS	138.37	H2700CS	92.25
			H2900CS	102.35
			H3000CS	113.74
COPELAN	6MM-30X	120.50	4MT-22X	87.70
	6MT-35X	135.00	4MU-25X	99.40

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (1123) - 4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z35 106Y	106.16	V25 71Y	70.77
	Z40 126Y	125.72	V30 84Y	83.81
			V32 93Y	93.05
			V35 103Y	102.90
BITZER	6HE-35Y	110.50	4HE-25Y	73.60
	6GE-40Y	126.80	4GE-30Y	84.50
			6JE-33Y	95.30
			4FE-35Y	101.80
DORIN	H3500CC	113.74	H2500CC	75.83
	H4000CC	127.52	H3000CC	85.01
			H3200CC	92.25
			H3400CC	102.35
COPELAN	6MI-40X	120.50	4MI-30X	78.30
			4MJ-33X	87.70
			4MK-35X	99.40

LOW TEMPERATURE T ₀ = -25°C				
TFB - (1123) - 4/500-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z40 154Y	154.40	V20 84Y	83.81
			V25 93Y	93.05
			V25 103Y	102.90
			Z25 106Y	106.16
BITZER	6FE-44Y	151.60	4GE-23Y	84.50
			6JE-25Y	95.30
			4FE-28Y	101.80
			6HE-28Y	110.50
DORIN			6GE-34Y	126.80
	H4500CS	153.52	H2500CS	85.01
			H2700CS	92.25
			H2900CS	102.35
COPELAN			H3000CS	113.74
			H3500CS	127.52
			H4000CS	138.37
	6MU-40X	153.00	4MT-22X	87.70
			4MU-25X	99.40
			6MM-30X	120.50
			6MT-35X	135.00

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (823) - 2/630- 24,5 (30, 40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V30 84Y	83.81	S20 56Y	56.00
	V32 93Y	93.05	V20 59Y	58.48
			V25 71Y	70.77
BITZER	4GE-30Y	84.50	4JE-22Y	63.50
			4HE-25Y	73.60
DORIN	H3000CC	85.01	H2201CC	63.76
			H2500CC	75.83
COPELAN	4MI-30X	78.30	4MA-22X	61.70
	4MJ-33X	87.70	4MH-25X	71.40

LOW TEMPERATURE T ₀ = -25°C				
TFB - (823) - 2/630- 24,5 (30, 40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z30 126Y	125.72	V20 84Y	83.81
			V25 93Y	93.05
			V25 103Y	102.90
			Z25 106Y	106.16
BITZER	6GE-34Y	126.80	4GE-23Y	84.50
			6JE-25Y	95.30
			4FE-28Y	101.80
			6HE-28Y	110.50
DORIN	H3500CS	127.52	H2500CS	85.01
	H4000CS	138.37	H2700CS	92.25
			H2900CS	102.35
			H3000CS	113.74
COPELAN	6MM-30X	120.50	4MT-22X	87.70
	6MT-35X	135.00	4MU-25X	99.40

MEDIUM TEMPERATURE T ₀ = -10°C				
TFB - (1007) - 2/630-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	V32 93Y	93.05	V25 71Y	70.77
	V35 103Y	102.90	V30 84Y	83.81
	Z35 106Y	106.16		
BITZER	6JE-33Y	95.30	4HE-25Y	73.60
	4FE-35Y	101.80	4GE-30Y	84.50
	6HE-35Y	110.50		
DORIN	H3200CC	92.25	H2500CC	75.83
	H3400CC	102.35	H3000CC	85.01
	H3500CC	113.74		
COPELAN	4MK-35X	99.40	4MI-30X	78.30
			4MJ-33X	87.70

LOW TEMPERATURE T ₀ = -25°C				
TFB - (1007) - 2/630-30 (40)				
COMPRESSOR	STANDARD	m ³ /h	HIGH AMBIENT	m ³ /h
FRASCOLD	Z40 154Y	154.40	V20 84Y	83.81
			V25 93Y	93.05
			V25 103Y	102.90
			Z25 106Y	106.16
BITZER			Z30 126Y	125.72
			4GE-23Y	84.50
			6JE-25Y	95.30
			4FE-28Y	101.80
DORIN			6HE-28Y	110.50
			6GE-34Y	126.80
	H4000CS	138.37	H2500CS	85.01
	H4500CS	153.52	H2700CS	92.25
COPELAN			H2900CS	102.35
			H3000CS	113.74
			H3500CS	127.52
	6MT-35X	135.00	4MT-22X	87.70
	6MU-40X	153.00	4MU-25X	99.40
			6MM-30X	120.50

MEDIUM TEMPERATURE $T_0 = -10^{\circ}\text{C}$				
TFB - (1114) - 2/630-30 (40)				
COMPRESSOR	STANDARD	m^3/h	HIGH AMBIENT	m^3/h
FRASCOLD	Z35 106Y	106.16	V32 93Y	93.05
	Z40 126Y	125.72	V35 103Y	102.90
BITZER	6HE-35Y	110.50	6JE-33Y	95.30
	6GE-40Y	126.80	4FE-35Y	101.80
DORIN	H3500CC	113.74	H3200CC	92.25
	H4000CC	127.52	H3400CC	102.35
	H4500CC	138.37		
COPELAN	6MI-40X	120.50	4MJ-33X	87.70
	6MJ-45X	135.00	4MK-35X	99.40

LOW TEMPERATURE $T_0 = -25^{\circ}\text{C}$				
TFB - (1114) - 2/630-30 (40)				
COMPRESSOR	STANDARD	m^3/h	HIGH AMBIENT	m^3/h
FRASCOLD			Z30 126Y	125.72
			Z40 154Y	154.40
BITZER			6GE-34Y	126.80
			6FE-44Y	151.60
DORIN			H3500CS	127.52
			H4000CS	138.37
			H4500CS	153.52
COPELAN			6MM-30X	120.50
			6MT-35X	135.00
			6MU-40X	153.00



1	2	3	4	5	6	7	8
TF	BOX	60TR	2	450	10	FH	FWG

OPTIONAL ACCESSORIES

1	TF	Technofriga Product		
2	BOX	Unit Without Compressor		
3	60TR	Condenser Model - 60TR		
4	2	Number Of Fans		
5	450	Fan Diameter		
6	FH	Fan Hidria		
7	FWG	Fan Weiguang		





TFBOX is ideal for long lasting outdoor installations of applications in refrigeration and air conditioning.



Casing

- Condenser units with their own support system do not require extra mounting equipment for placing. Electrostatically powder painted galvanized steel, which provides excellent UV and corrosion protection, is used for casing (Standard RAL 7035).



Options

Fans

- $\varnothing 300$ - $\varnothing 350$ - $\varnothing 400$ - $\varnothing 450$ - $\varnothing 500$ mm / 230V-50Hz-monophase / 800 – 1450 rpm/min or 400V-50Hz-three-phase 650, 900 rpm/min fans.
- Two different noise levels – (S) Standard and (L) Low Noise.
- Condenser units are manufactured without compressors.
- As option condensers can be manufactured with liquid receivers.

Please contact our sales department regarding questions or enquiries about products that are not mentioned in the catalogue.

Coil

- $\varnothing 3/8"$ (UK) and $\varnothing 1/2"$ (UY) copper tubes
- Geometry: 25 mm x 22 mm
- V typed aluminum fins
- The finned coils are designed with aluminum fins spaced 2,1 or 2,5 mm, crimped onto copper tubes
- Header inlet and outlet tube connections made of copper
- Maximum operating pressure of 21 bar
- Staggered copper tubes
- The coil circuits are designed for refrigerants R404A, R134A, R449A, R404A and R448A
- Delivering under positive pressure



Capacity

- The normal capacities are calculated according to the Eurovent EN328 standards that refer $\Delta T = -15^{\circ}\text{C}$ condition and are valid for R404A



The range consists of 15 models.

NOMENCLATURE	Condenser Surface	Condenser Tube Volume	Condenser Capacity R404A/R449A		Fan			
			S 1/230V AC 50Hz 1400rpm	L 1/230V AC 50Hz 900 rpm	Qty	Diameter	Air volume flow	
			kW	kW			1400 rpm 4 pole m ³ /h	900 rpm 6 pole m ³ /h
TFBOX 07	6,19	0,80	3.120	2.700	1 x 	Ø300	2.150	1.670
TFBOX 10*	11,92	1,20	4.850	3.950		Ø300	2.080	1.530
TFBOX 15*	12,08	1,50	6.170	5.180		Ø350	2.800	2.120
TFBOX 20NR*	16,67	1,80	8.580	7.410		Ø400	4.220	3.270
TFBOX 30NR*	20,74	2,70	10.870	8.870		Ø450	5.000	3.610
TFBOX 40NR	25,00	3,20	14.840	11.830		Ø500	7.725	5.420
TFBOX 50NR	37,21	4,70	18.350	16.000	2 x 	Ø400	8.590	6.760
TFBOX 60NR*	38,20	4,80	20.660	16.960		Ø450	9.890	7.110
TFBOX 70NR	46,48	5,80	22.810	18.710	1 x 	Ø450	10.160	7.400
TFBOX 20TR	23,82	2,60	10.730	8.750		Ø400	3.950	2.900
TFBOX 30TR*	29,67	3,80	13.490	10.690		Ø450	4.750	3.370
TFBOX 40TR*	32,20	4,10	17.000	13.430	2 x 	Ø500	6.810	4.840
TFBOX 50TR	53,98	6,60	23.500	19.280		Ø400	8.140	6.130
TFBOX 60TR*	55,45	6,80	26.010	20.530		Ø450	9.350	6.610
TFBOX 70TR	68,69	8,60	28.860	22.910		Ø450	9.790	7.030

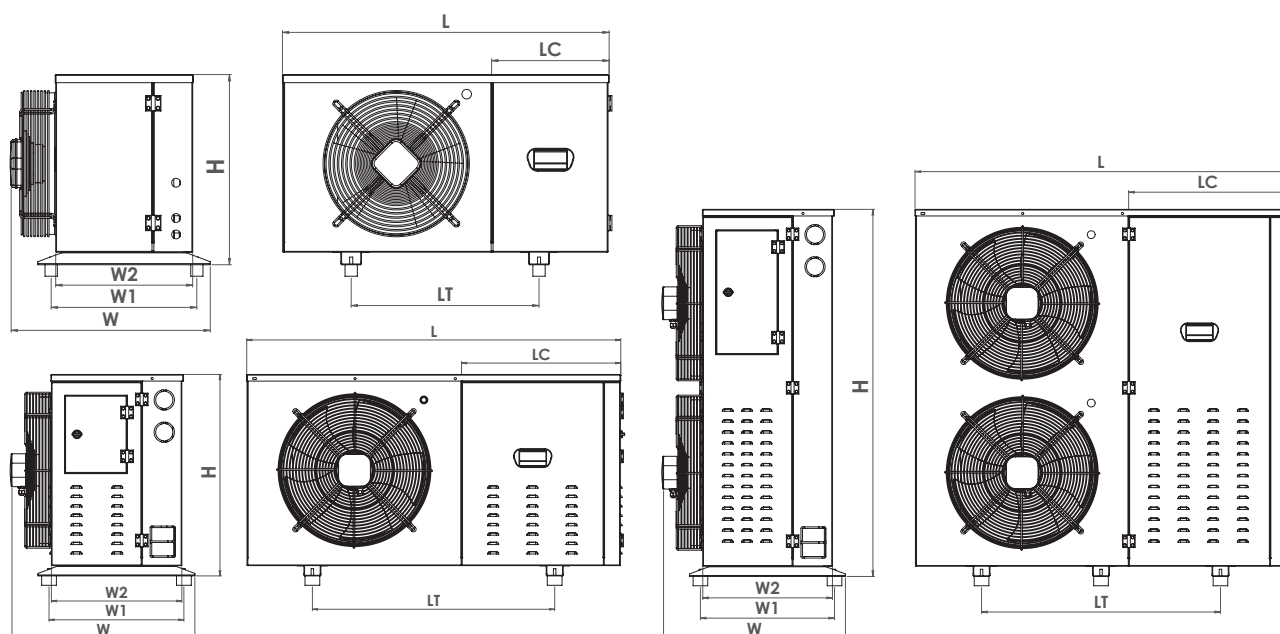
* Models on stock



The range consists of 15 models.

NOMENCLATURE	Dimensions							Connections	
	L	H	W	L _T	L _C	W ₁	W ₂	Input	Output
	mm	mm	mm	mm	mm	mm	mm	mm/"	mm/"
TFBOX 07	850	500	530	495	300	400	360	3/8	3/8
TFBOX 10*	850	500	530	495	300	400	360	5/8	1/2
TFBOX 15*	850	500	530	495	300	400	360	5/8	1/2
TFBOX 20NR*	1020	640	590	495	430	450	420	5/8	1/2
TFBOX 30NR*	1220	640	590	770	500	450	420	5/8	1/2
TFBOX 40NR	1220	690	590	770	500	450	420	19	1/2
TFBOX 50NR	1220	1180	590	770	500	450	420	22	5/8
TFBOX 60NR*	1220	1180	590	770	500	450	420	22	5/8
TFBOX 70NR	1220	1180	590	770	500	450	420	22	5/8
TFBOX 20TR	1020	640	590	770	430	450	420	5/8	1/2
TFBOX 30TR*	1220	640	590	770	500	450	420	5/8	1/2
TFBOX 40TR*	1220	690	590	770	500	450	420	19	1/2
TFBOX 50TR	1220	1180	590	770	500	450	420	22	5/8
TFBOX 60TR*	1220	1180	590	770	500	450	420	22	5/8
TFBOX 70TR	1220	1180	590	770	500	450	420	22	5/8

* Models on stock



The range consists of 21 models.

NOMENCLATURE	Condenser Surface	Condenser Tube Volume	Condenser Capacity		Qty	Diameter	Fan	
			S	L			Air volume flow	
			1/230V AC 50Hz	1/230V AC 50Hz			1400 rpm 4 pole	900 rpm 6 pole
	m ²	dm ³	kW	kW	n	mm	m ³ /h	m ³ /h
TF 45SHBOX2 110	21,82	2,8	11.090	9.010	1 x	Ø450	5040	3.650
TF 50SHBOX2 110	21,82	2,8	14.190	12.530		Ø500	7570	6.130
TF 45SHBOX2 111 2,5	27,33	4,1	12.810	10.190		Ø450	4890	3.510
TF 50SHBOX2 111 2,5	27,33	4,1	16.380	14.130		Ø500	7120	5.660
TF 45SHBOX2 111	32,15	4,1	13.920	10.960		Ø450	4830	3.450
TF 50SHBOX2 111	32,15	4,1	17.730	15.200		Ø500	6930	5.490
TF 45SHBOX3 120*	48,23	6,2	23.320	18.970	2 x	Ø450	10200	7.430
TF 50SHBOX3 120*	48,23	6,2	30.160	26.740		Ø500	15560	12.710
TF 45SHBOX3 121 2,5	60,50	9,1	27.020	21.510		Ø450	9950	7.180
TF 50SHBOX3 121 2,5	60,50	9,1	34.970	30.350		Ø500	14730	11.830
TF 45SHBOX3 121*	71,17	9,1	29.290	23.110		Ø450	9840	7.080
TF 50SHBOX3 121*	71,17	9,1	37.940	32.640		Ø500	14440	11.520
TF 40SHBOX4 220	89,49	11,5	41.260	35.710	4 x	Ø400	17610	14.160
TF 45SHBOX4 220*	89,49	11,5	45.110	36.610		Ø450	20210	14.700
TF 50SHBOX4 220*	89,49	11,5	57.930	51.190		Ø500	30490	24.790
TF 40SHBOX4 221 2,5	113,1	17,0	47.660	40.250		Ø400	17180	13.530
TF 45SHBOX4 221 2,5*	113,1	17,0	52.340	41.600		Ø450	19670	14.160
TF 50SHBOX4 221 2,5*	113,1	17,0	67.230	58.040		Ø500	28830	22.980
TF 40SHBOX4 221	133,1	17,0	51.630	43.080		Ø400	16990	13.250
TF 45SHBOX4 221	133,1	17,0	56.820	44.770		Ø450	19460	13.960
TF 50SHBOX4 221	133,1	17,0	72.870	62.490		Ø500	28130	22.340

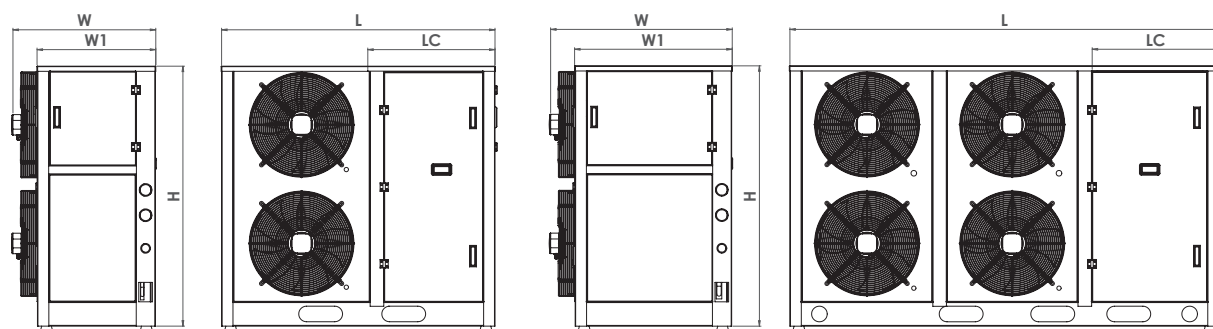
* Models on stock



The range consists of 21 models.

NOMENCLATURE	Dimensions					Connections	
	L	H	W	L _C	W ₁	Input	Output
	mm	mm	mm	mm	mm	mm/"	mm/"
TF 45SHBOX2 110	1220	710	580	430	460	19	5/8
TF 50SHBOX2 110	1220	710	580	430	460	19	5/8
TF 45SHBOX2 111 2,5	1220	710	580	430	460	19	5/8
TF 50SHBOX2 111 2,5	1220	710	580	430	460	19	5/8
TF 45SHBOX2 111	1220	710	580	430	460	19	5/8
TF 50SHBOX2 111	1220	710	580	430	460	19	5/8
TF 45SHBOX3 120*	1420	1340	740	560	610	22	19
TF 50SHBOX3 120*	1420	1340	740	560	610	22	19
TF 45SHBOX3 121 2,5	1420	1340	740	560	610	28	22
TF 50SHBOX3 121 2,5	1420	1340	740	560	610	28	22
TF 45SHBOX3 121*	1420	1340	740	560	610	28	22
TF 50SHBOX3 121*	1420	1340	740	560	610	28	22
TF 40SHBOX4 220	2220	1340	940	650	810	35	28
TF 45SHBOX4 220*	2220	1340	940	650	810	35	28
TF 50SHBOX4 220*	2220	1340	940	650	810	35	28
TF 40SHBOX4 221 2,5	2220	1340	940	650	810	35	28
TF 45SHBOX4 221 2,5*	2220	1340	940	650	810	35	28
TF 50SHBOX4 221 2,5*	2220	1340	940	650	810	35	28
TF 40SHBOX4 221	2220	1340	940	650	810	35	28
TF 45SHBOX4 221	2220	1340	940	650	810	35	28
TF 50SHBOX4 221	2220	1340	940	650	810	35	28

* Models on stock



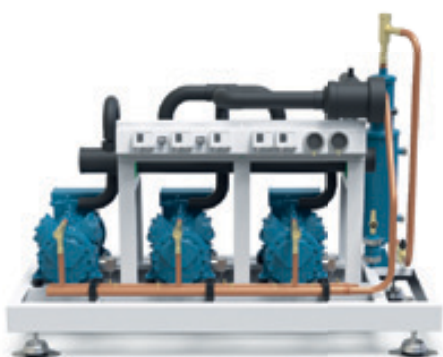


	1	2	3	4	5	6	7	8	9	10	11
	TF	C	3x	4PES-15Y	MT	AVS	SLF	DES	WPH	ECP	SA
						OPTIONAL ACCESSORIES					
1	TF	Technofriga Product									
2	C	Compressor Rack									
3	3x	Number of Compressors									
4	4PES-15Y	Compressor Model - 4PES-15Y									
5	MT	MT/LT - Medium/Low Temperature									
6	AVS	Anti-Vibration Supports									
7	SLF	Suction Line shut off valve and Filter									
8	DES	Desuperheater (Tin/Tout=35/40°C)									
9	WPH	Weather Protective Housing									
10	ECP	Electrical Control Panel with automatic switches and wiring									
11	SA	Suction Accumulator (NOT MOUNTED)									



	1	2	3	4	5	6
	TF	R	70	273	1040	LL22
1	TF	Technofriga Product				
2	R	Receiver Group				
3	70	Receiver Capacity (lt)				
4	273	Receiver Diameter (mm)				
5	1040	Receiver Height (mm)				
6	LL22	Liquid Line Ø 22 (mm)				





Compressor Racks

- Metal frame and supports made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI.
- Semi-hermetic compressors (2 or 3 pcs).
- Safety/stop valves for each compressor on discharge/oil lines. Electronic oil level control.
- Common oil separator/receiver and filter.
- HP,LP and COMMON safety pressure switches.
- Pressure gauges HP/LP.
- The connections to the pressure switches are realized with capillary hoses.
- Suction collector /insulated/;

*The oil reservoir and the oil separator are delivered charged with oil.

*The compressor rack is delivered pressurized with dry nitrogen.

Receiver Groups

- Metal frame and supports made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI.
- Wide range of 40 to 100L receivers. Max working pressure 33 bar.
- Two safety valves and three-way dual shut-off valve with set pressure 29 bar.
- Rotalock and ball valves.
- Filter drier.

Options:

- Wide range of 100 to 250L receivers. Max working pressure 33 bar.



The range consists of 30 models.

MEDIUM TEMPERATURE - MT (400-440V/3/ 50-60Hz)													
NOMENCLATURE	Cooling capacity - Qo, kW, R449A, to/tc= -30/45°C	Imax, A	Pmax, KW	TECHNICAL DATA						RECOMMENDED RECEIVER GROUP /TFR/			
				CONNECTIONS LINES			DIMENSIONS			NOMENCLATURE	DIMENSIONS		
				Discharge /DL/, Ø, mm	Liquid /LL/, Ø, mm	Suction /SL/, Ø, mm	A /mm/	B /mm/	H /mm/		A /mm/	B /mm/	H /mm/
TFC 3x4EES-4Y MT	32	36,6	20,7	28	22	42	2000	900	1300	TFR-40-273-850 - LL22	700	600	1160
TFC 3x4EES-6Y MT	32	40,8	22,8										
TFC 3xQ5-24Y MT	35	41,4	23,7										
TFC 3xDEES-5Y MT	38	43,5	24,3	35	22	54	2000	900	1300	TFR-50-273-1040 - LL22	700	600	1350
TFC 3xDEES-7Y MT	38	49,5	26,7										
TFC 3xQ7-28Y MT	41	52,8	28,5										
TFC 3x4CES-6Y MT	47	53,1	29,1	35	22	54	2000	900	1300	TFR -70-273-1400 - LL22	700	600	1700
TFC 3x4CES-9Y MT	47	60,6	33,9										
TFC 3xQ7-33Y MT	49	60,0	33,6										
TFC 3x4TES-9Y MT	59	59,7	39,0	42	28	64	2200	1000	1300	TFR -70-273-1400 - LL28	700	600	1700
TFC 3x4TES-12Y MT	59	75,3	42,0										
TFC 3xS12-42Y MT	60	67,2	38,7										
TFC 3x4PES-12Y MT	67	68,1	42,0	42	28	64	2200	1000	1300	TFR-90-323-1300 - LL28	700	600	1600
TFC 3x4PES-15Y MT	67	84,6	48,0										
TFC 3xS15-52Y MT	72	97,2	53,4										
TFC 3x4NES-14Y MT	80	79,8	51,0	42	28	76	2200	1000	1300	TFR-90-323-1300 - LL28	700	600	1600
TFC 3x4NES-20Y MT	80	99,6	57,0										
TFC 3xS20-56Y MT	82	115,2	58,8										
TFC 2x4JE-15Y MT	62	61,6	38,0	42	28	64	1900	1000	1350	TFR-40-273-850 - LL28	700	600	1160
TFC 2x4JE-22Y MT	60	74,4	42,0										
TFC 2xV20-59Y MT	57	70,6	39,2										
TFC 2x4HE-18Y MT	73	73,4	44,0	42	28	64	1900	1000	1350	TFR-50-273-1040 - LL28	700	600	1350
TFC 2x4HE-25Y MT	72	88,0	50,0										
TFC 2xV25-71Y MT	70	87,0	47,2										
TFC 2x4GE-23Y MT	85	87,8	54,0	42	28	76	1900	1000	1350	TFR -70-273-1400 - LL28	700	600	1700
TFC 2x4GE-30Y MT	82	102,4	56,0										
TFC 2xV30-84Y MT	83	98,4	56,8										
TFC 2x4FE-28Y MT	101	105,6	62,0	42	28	76	1900	1000	1350	TFR -70-273-1400 - LL28	700	600	1700
TFC 2x4FE-35Y MT	100	124,2	70,0										
TFC 2xV35-103 MT	102	122,0	77,0										

STANDARD mounted OPTIONS:

PSS - Pressure safety switches;

CV - Check valve on each compressor and after oil separator;

QS+OR - Oil separator+oil receiver (*charge*), shut-off valve, oil filter and sight glass;

OLC - Electronic oil level control - "TK3";

MAN - Pressure gauges HP/LP;

ACCESSORIES - OPTIONS:

AVS - Anti-vibration supports;

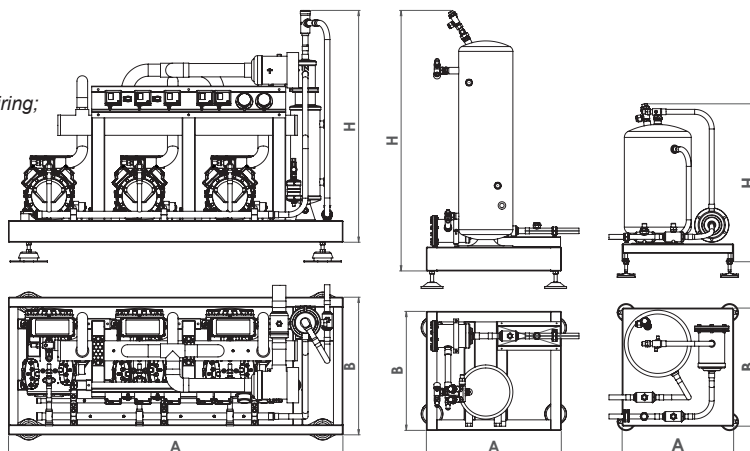
SLF - Suction line shut off valve and filter;

DES - Desuperheater (Tin/Tout=35/40°C);

WPH - Weather protective housing;

ECP - Control panel with automatic switches and wiring;

SA - Suction accumulator (**NOT MOUNTED**);



The range consists of 21 models.

LOW TEMPERATURE - LT (400-440V/3/ 50-60Hz)													
NOMENCLATURE	Cooling capacity - Qo, KW, R449A, to/tc= -30/45°C	lmax, A	Pmax, KW	TECHNICAL DATA						RECOMMENDED RECEIVER GROUP (TFR)			
				CONNECTIONS LINES			DIMENSIONS			NOMENCLATURE	DIMENSIONS		
				Discharge /DL/, Ø, mm	Liquid /LL/, Ø, mm	Suction /SL/, Ø, mm	A /mm/	B /mm/	H /mm/		A /mm/	B /mm/	H /mm/
TFC 3x4EES-4Y LT	10	36,6	20,7	22	16	42	2000	900	1300	TFR-20-240-528 - LL16	500	530	700
TFC 3xQ4-24Y LT	11	35,1	20,4							TFR-24,5-280-498 - LL16	500	530	700
TFC 3xDES-5Y MT	12	43,5	24,3	TFR-24,5-280-498 - LL18	500	530	700						
TFC 3xQ5-28Y LT	13	42,0	24,6					TFR-30-300-536 - LL22	680	470	720		
TFC 3x4CES-6Y LT	16	53,1	29,1	TFR-40-273-850 - LL22	700	600	1160						
TFC 3xQ5-33Y LT	16	43,2	24,9					TFR-50-273-1040 - LL22	700	600	1350		
TFC 3x4TES-9Y LT	19	59,7	39,0	TFR-30-300-536 - LL22	680	470	720						
TFC 3xQ7-36Y LT	18	58,2	32,4					TFR-50-273-1040 - LL22	700	600	1350		
TFC 3xS8-42Y LT	20	60,9	35,4	TFR-50-273-1040 - LL22	700	600	1350						
TFC 3x4PES-12Y LT	20	68,1	42,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 3xS10-52Y LT	22	73,5	44,7	TFR-70-273-1400 - LL22	700	600	1700						
TFC 3x4NES-14Y LT	25	79,8	51,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 3xS15-56Y LT	26	92,1	49,5	TFR-70-273-1400 - LL22	700	600	1700						
TFC 2x4JE-15Y LT	19	61,6	38,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 2xV15-59Y LT	20	62,2	35,6	TFR-70-273-1400 - LL22	700	600	1700						
TFC 2x4HE-18Y LT	25	73,4	44,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 2xV15-71Y LT	25	64,4	39,2	TFR-70-273-1400 - LL22	700	600	1700						
TFC 2x4GE-23Y LT	30	87,8	54,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 2xV20-84Y LT	31	92,4	48,4	TFR-70-273-1400 - LL22	700	600	1700						
TFC 2x4FE-28Y LT	36	105,6	62,0					TFR-70-273-1400 - LL22	700	600	1700		
TFC 2xV25-103 LT	38	104,6	57,6	TFR-70-273-1400 - LL22	700	600	1700						

STANDARD mounted OPTIONS:

PSS - Pressure safety switches;

CV - Check valve on each compressor and after oil separator;

OS+OR - Oil separator+oil receiver (charge), shut-off valve, oil filter and sight glass;

OLC - Electronic oil level control - " TK3 ";

MAN - Pressure gauges HP/LP;

AFC - Additional fan cooling;

ACCESSORIES - OPTIONS:

AVS - Anti-vibration supports;

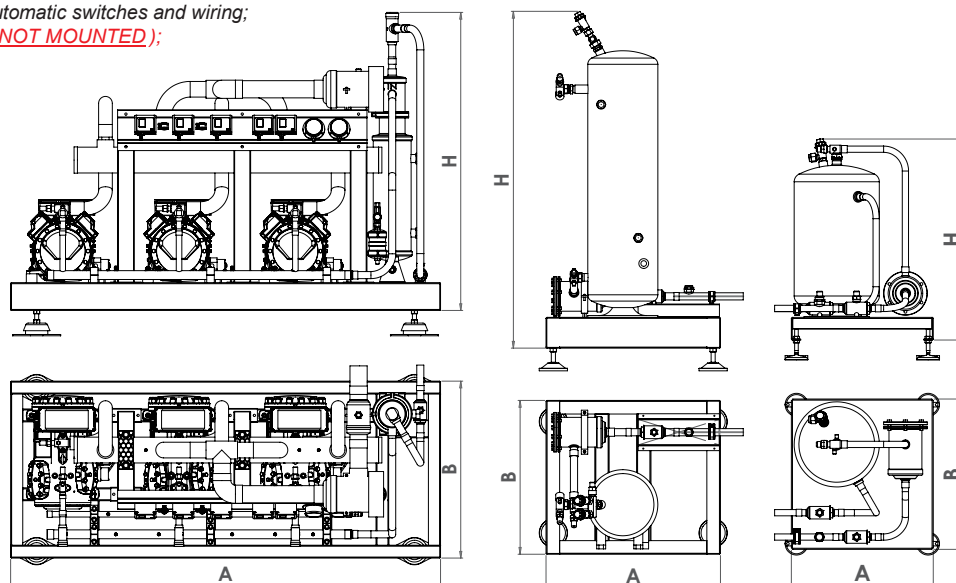
SLF -Suction line shut off valve and filter;

DES - Desuperheater (Tin/Tout=35/40°C);

WPH - Weather protective housing;

ECP - Control panel with automatic switches and wiring;

SA - Suction accumulator (NOT MOUNTED);



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TF	A	TR60	H	ZBD 45	MT-LS	MAN	ECP	AI	CJ	OS	SA	OLC	OLA
	OPTIONAL ACCESSORIES													
1	TF	Technofriga Product												
2	A	Condensing Unit												
3	TR60	TFBOX Model - TR60												
4	H	Fan Type (Hidria - H) (Weiguang - WG)												
5	ZBD 45	Compressor Model - ZBD 45												
6	MT-LS	MT-LS (Medium Temperature - Low-Speed Fans)												
7	MAN	Pressure gauges HP/LP												
8	ECP	Electrical Control Panel with automatic switches and wiring												
9	AI	Acoustic insulation												
10	CJ	Compressor jacket												
11	OS	Oil separator, check valve, oil filter, sight glass, capillary hoses "GOMAX"												
12	SA	Suction Accumulator												
13	OLC	Electronic oil level control - "TK3"												
14	OLA	Electronic oil level control - "TK1" (only alarm function)												





- Liquid line (FG+SG+BV) – molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve)
- Safety high/low pressure switch
- Pressure condensing control (condenser fan speed regulator for “Hidra” or pressure switch for “Weiguang”)

*The connections to the oil separator are realized with capillary hoses.

*The oil separator is delivered charged with oil.

*The compressor pack is delivered pressurized with dry nitrogen.



The range consists of 30 models.

CONDENSING UNITS - MT (400-440V/3/ 50-60Hz)														
NOMENCLATURE	FAN		Cooling capacity /comp./ -Q _o , kW, R449A/R404A to/tc= -10/45°C SC=3K, SH=10K	Pass /comp.+ fans/ kW	Pass /comp./ kW	I _{max} /fans/ kW	I _{max} /fans/ A	TECHNICAL DATA						
	Qty /n/	Diameter /mm/						Receiver volume, L	CONNECTIONS			DIMENSIONS		
								Discharge /DL/ Ø, mm	Liquid line /LL/ Ø, mm	Suction line /SL/ Ø, mm	L /mm/	W /mm/	H /mm/	
TFA NR30/H/ZB29KCE MT		Ø450	6,38	3,26	3,02	0,24	1,10	5,3	16	12	22	1220	590	640
TFA NR30/WG/ZB29KCE MT			6,38	3,27	3,02	0,25	1,15							
TFA NR30/H/ZBD29DKCE MT			6,61	3,10	2,86	0,24	1,10							
TFA NR30/WG/ZBD29KCE MT			6,61	3,11	2,86	0,25	1,15							
TFA NR60/H/ZB29KCE MT-LS		Ø450	6,38	3,25	3,02	0,23	1,00	7,6	16	12	22	1220	590	1180
TFA NR60/H/ZB29KCE MT-HA			6,38	3,50	3,02	0,48	2,20							
TFA NR60/WG/ZB29KCE MT-HA			6,38	3,52	3,02	0,50	2,30							
TFA NR60/H/ZBD29DKCE MT-LS			6,61	3,09	2,86	0,23	1,00							
TFA NR60/H/ZBD29DKCE MT-HA			6,61	3,34	2,86	0,48	2,20							
TFA NR60/WG/ZBD29DKCE MT-HA			6,61	3,36	2,86	0,50	2,30							
TFA TR40/H/ZB45KCE MT		Ø500	9,78	5,16	4,38	0,78	3,50	5,3	18	12	28	1220	590	690
TFA TR40/WG/ZB45KCE MT			9,78	4,76	4,38	0,38	1,75							
TFA TR40/H/ZBD45KCE MT			10,00	4,99	4,21	0,78	3,50							
TFA TR40/WG/ZBD45KCE MT			10,00	4,59	4,21	0,38	1,75							
TFA TR60/H/ZB45KCE MT-LS		Ø450	9,78	4,61	4,38	0,23	1,00	7,6	18	12	28	1220	590	1180
TFA TR60/H/ZB45KCE MT-HA			9,78	4,86	4,38	0,48	2,20							
TFA TR60/WG/ZB45KCE MT-HA			9,78	4,88	4,38	0,50	2,30							
TFA TR60/H/ZBD45KCE MT-LS			10,00	4,44	4,21	0,23	1,00							
TFA TR60/H/ZBD45KCE MT-HA			10,00	4,69	4,21	0,48	2,20							
TFA TR60/WG/ZBD45KCE MT-HA			10,00	4,71	4,21	0,50	2,30							
TFA SH121/H/ZB+ZBD29KCE MT-HA		Ø500	12,99	7,44	5,88	1,56	7,00	16,0	18	16	28	1420	740	1340
TFA SH121/WG/ZB+ZBD29KCE MT-HA			12,99	6,64	5,88	0,76	3,50	20,0	22	16	35			
TFA SH121/H/ZB+ZBD45KCE MT			19,78	10,15	8,59	1,56	7,00							
TFA SH121/WG/ZB+ZBD45KCE MT			19,78	9,35	8,59	0,76	3,50							
TFA SH220/H/ZB+ZBD29KCE MT-LS		Ø450	12,99	6,34	5,88	0,46	2,00	16,0	18	16	28	2220	940	1340
TFA SH220/H/ZB+ZBD29KCE MT-HA			12,99	6,84	5,88	0,96	4,40							
TFA SH220/WG/ZB+ZBD29KCE MT-HA			12,99	6,88	5,88	1,00	4,60							
TFA SH221/H/ZB+ZBD45KCE MT-LS			19,78	9,05	8,59	0,46	2,00	20,0	22	16	35	2220	940	1340
TFA SH221/H/ZB+ZBD45KCE MT-HA			19,78	9,55	8,59	0,96	4,40							
TFA SH221/WG/ZB+ZBD45KCE MT-HA			19,78	9,59	8,59	1,00	4,60							
NEW MODELS														

NEW MODELS

MT - Standard;

MT-HA - High ambient;

MT-LS - Low-speed fans;

H - Fans - "HIDRIA";

WG - Fans - "WEIGUANG";

STANDARD mounted OPTIONS:

Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

PSS - Pressure safety switches;

PCS - Pressure condensing switches;

FSR - Condenser fan speed regulator;

Pressure condensing control (condenser fan speed regulator - for "Hidria" or pressure switch - for "Weiguang");

ACCESSORIES - OPTIONS:

MAN - Pressure gauges HP/LP;

ECP - Control panel with automatic switches and wiring;

AI - Acoustic insulation;

CJ - Compressor jacket;

QS - Oil separator, check valve, oil filter, sight glass, capillary hoses "GOMAX";

SA - Suction accumulator;

OLC - Electronic oil level control - "TK3";

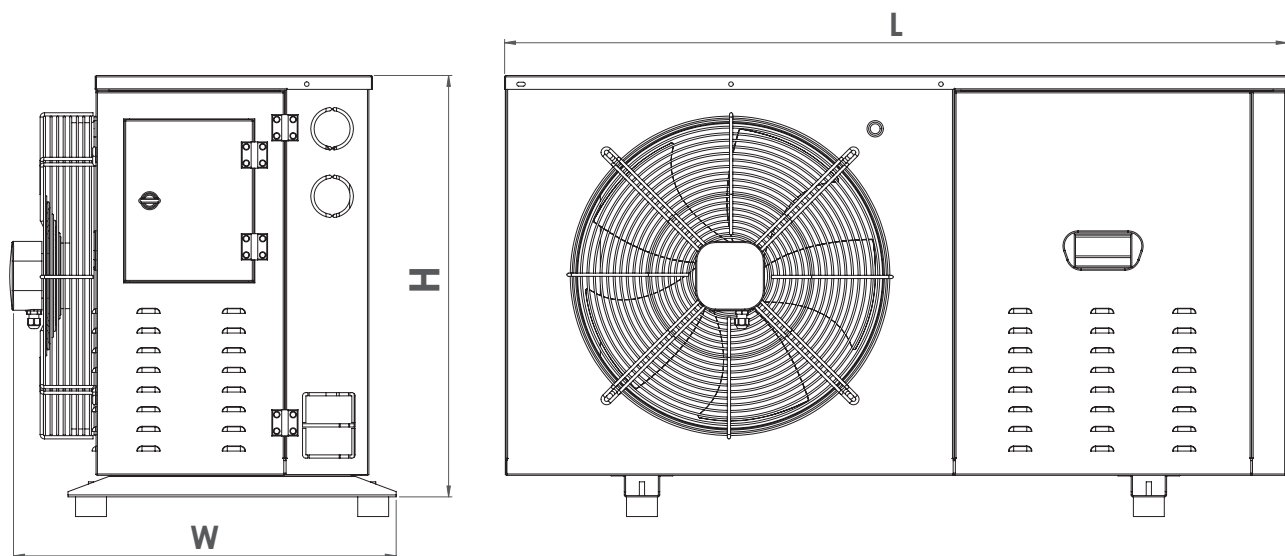
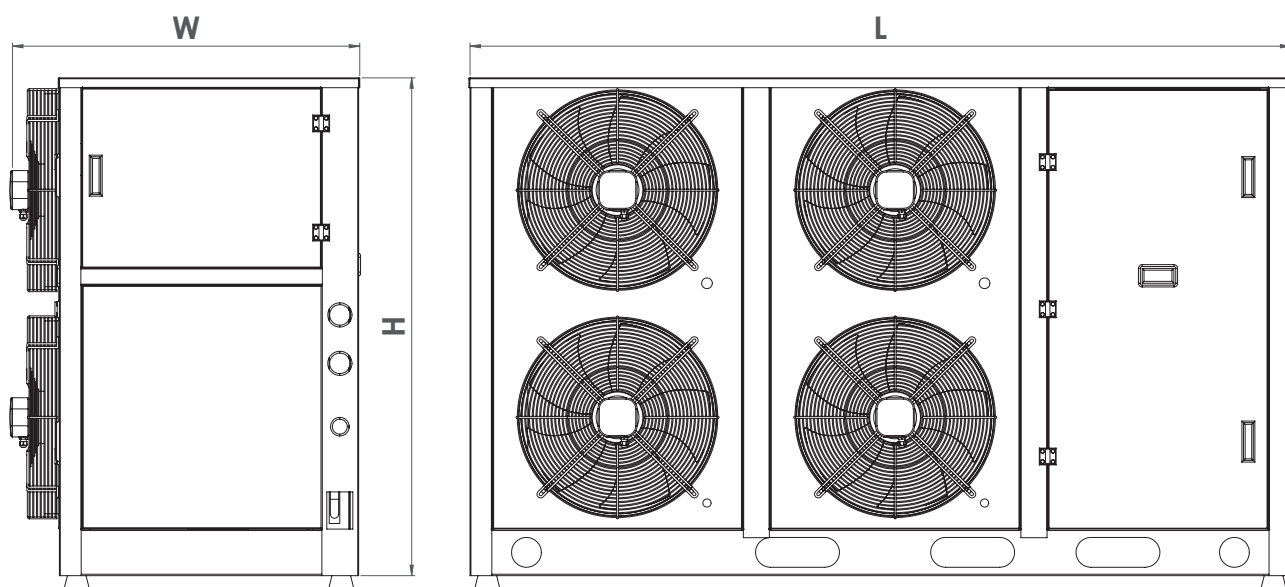
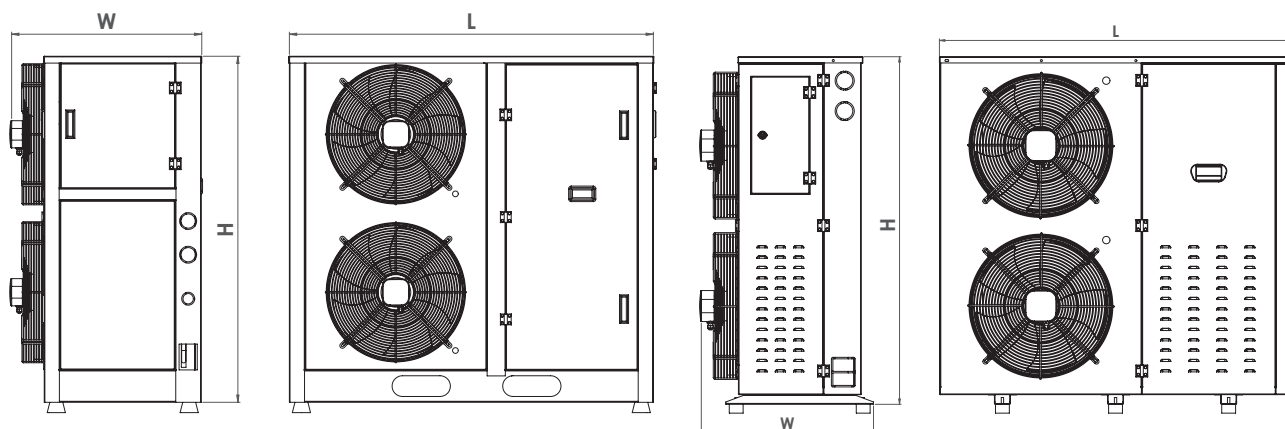
OLA - Electronic oil level control (only alarm function - "TK1");

NOTE:

The connections to the oil separators are realized with capillary hoses "GOMAX"

The oil separator is delivered charged with oil;

The compressor pack is delivered, pressurized with dry nitrogen;

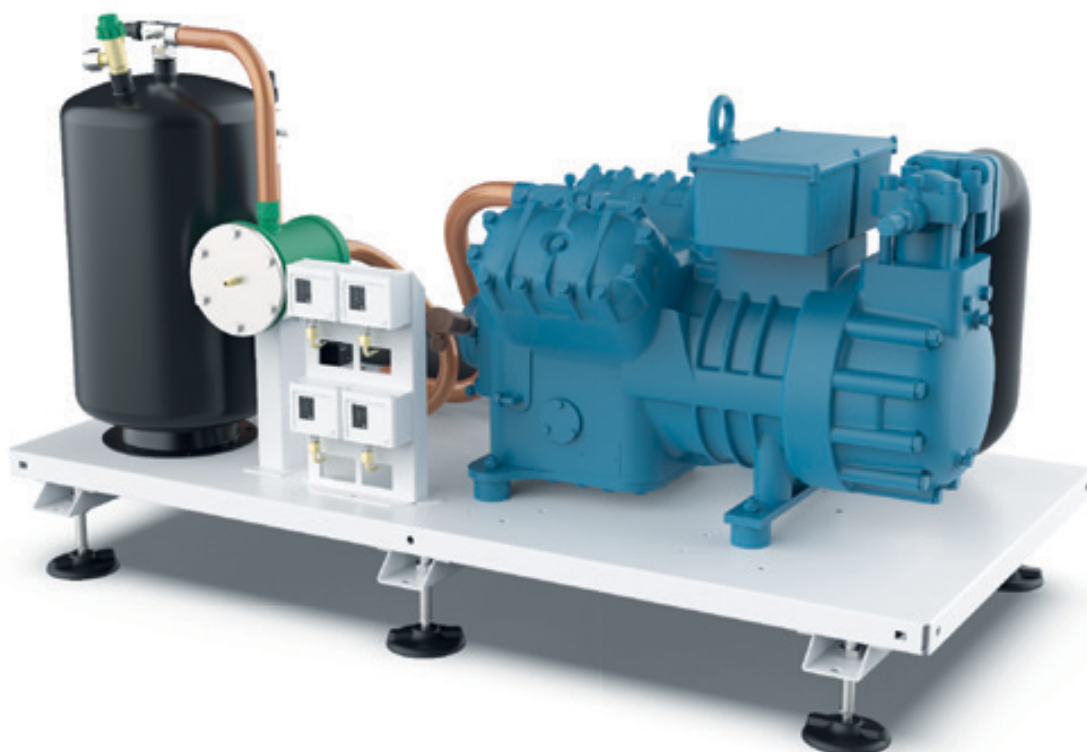




1	2	3	4	5	6	7	8	9	10	11	12	13
TF	A	RC	S15-56Y	LT	MAN	ECP	AI	OS	SA	OLC	OLA	WPH

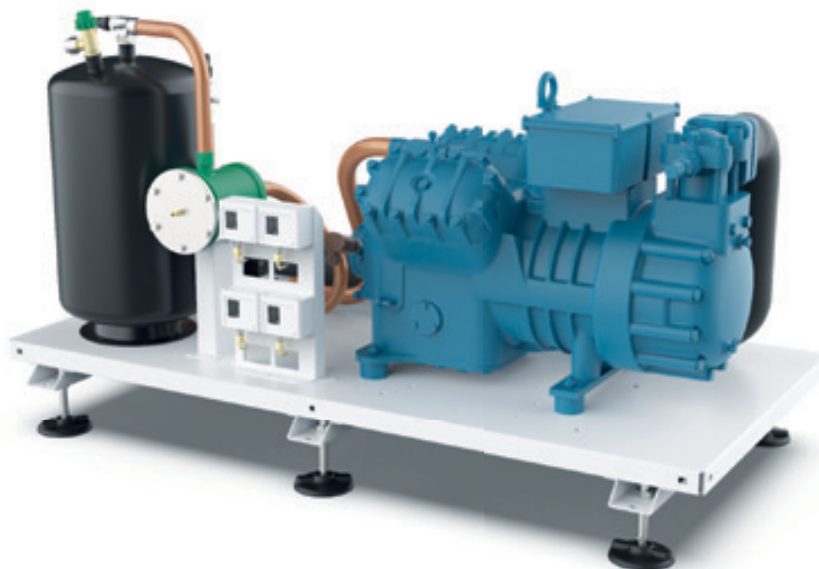
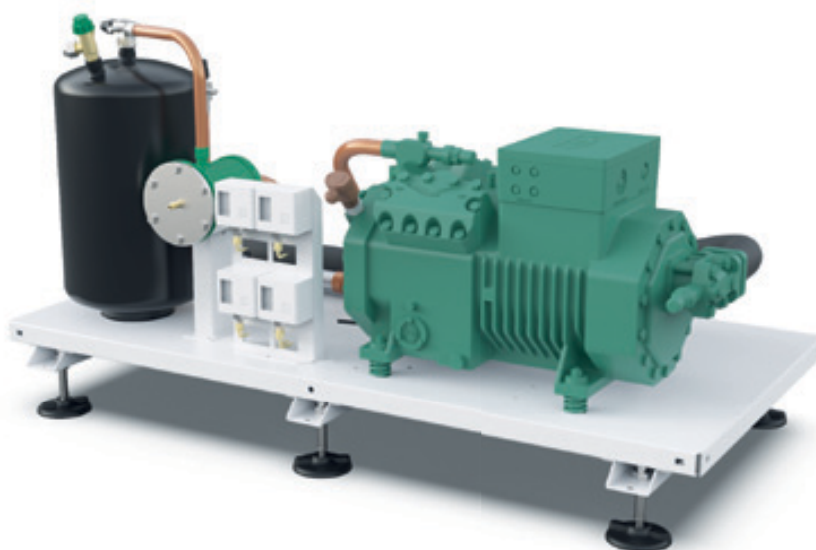
OPTIONAL ACCESSORIES

1	TF	Technofriga Product										
2	A	Condensing Unit										
3	RC	Remote Condenser										
4	S15-56Y	Compressor Model - S15-56Y										
5	LT	MT / LT - Medium / Low Temperature										
6	MAN	Pressure gauges HP/LP										
7	ECP	Electrical Control Panel with automatic switches and wiring										
8	AI	Acoustic insulation										
9	OS	Oil separator, check valve, oil filter, sight glass, capillary hoses "GOMAX"										
10	SA	Suction Accumulator										
11	OLC	Electronic oil level control - "TK3"										
12	OLA	Electronic oil level control - "TK1" (only alarm function)										
13	WPH	Weather Protective Housing										





- Metal frame and supports made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI
- Powder two layer painting with controlled thickness of the coating
- Semi-hermetic compressor
- Wide range of 3,4 to 40L receivers. Max working pressure 33 bar
- HP,LP safety pressure switches
- Pressure switches for condensing control
- Safety/stop valves



The range consists of 23 models

MEDIUM TEMPERATURE - **MT** - (380V/3/50Hz) - BITZER

NOMENCLATURE	Cooling capacity, KW		TECHNICAL DATA									
	R404A	R449A	Receiver volume, L	CONNECTION LINES			DIMENSION					
	T _e =-10°C, T _c =45°C (SH=10K, SC=3K)	T _e =-10°C, T _c =45°C (SH=10K, SC=3K)		Discharge /DL/ Ø, mm	Liquid /LL/ Ø, mm	Suction /SL/ Ø, mm	Condensing unit			Weather Protective Housing		
							A /mm/	B /mm/	H /mm/	A1 /mm/	B1 /mm/	H1 /mm/
TFARC 4DES-7Y MT	13,25	12,68	12,0	22	16	28	1400	750	580	1430	750	740
	13,25	12,68	16,0	22	16	28	1400	750	580	1430	750	740
TFARC 4CES-9Y MT	16,02	15,71	12,0	22	16	35	1400	750	580	1430	750	740
TFARC 4TES-12Y MT	20,10	19,60	16,0	22	16	35	1400	750	580	1430	750	740
TFARC 4PES-15Y MT	22,70	21,10	16,0	22	18	42	1400	750	580	1430	750	740
TFARC 4PE-15Y MT	22,70	21,10	20,0	22	22	42	1400	750	710	1430	750	740
TFARC 4NES-20Y MT	27,40	26,70	24,5	28	22	42	1400	750	680	1430	750	740
TFARC 4NE-20Y MT	27,40	26,70	30,0	28	22	42	1400	750	710	1430	750	740
TFARC 4JE-22Y MT	30,90	30,20	16,0	28	22	42	1400	750	580	1430	750	740
	30,90	30,20	20,0	28	22	42	1400	750	710	1430	750	740
TFARC 4HE-25Y MT	36,50	35,80	24,5	28	22	54	1400	750	680	1430	750	740
	36,50	35,80	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 4JE-22Y MT	30,90	30,20	24,5	28	22	42	1400	750	680	1430	750	740
TFARC 4HE-25Y MT	36,50	35,80	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 4HE-25Y MT	36,50	35,80	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 4GE-30Y MT	41,90	41,20	30,0	35	22	54	1400	750	710	1430	750	740
TFARC 4GE-30Y MT	41,90	41,20	30,0	35	22	54	1400	750	710	1430	750	740
TFARC 6JE-33Y MT	45,70	44,60	40,0	35	22	54	1400	750	1100	1430	750	1130
TFARC 4FE-35Y MT	50,60	49,90	40,0	35	28	54	1400	750	1100	1430	750	1130
TFARC 6HE-35Y MT	53,70	52,60	50,0	35	28	54	1400	750	1270	1430	750	1300
TFARC 6GE-40Y MT	61,20	60,20	50,0	35	28	54	1400	750	1270	1430	750	1300
TFARC 6HE-35Y MT	53,70	52,60	40,0	35	28	54	1400	750	1100	1430	750	1130
TFARC 6GE-40Y MT	61,20	60,20	50,0	35	28	54	1400	750	1270	1430	750	1300

STANDARD mounted OPTIONS:

LL - Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

DL - Discharge Line with anaconda;

SL - Suction Line with anaconda;

PSS - Pressure safety switches;

ACCESSORIES - OPTIONS:

MAN - Pressure gauges HP/LP;

OS+CV - Oil separator and check valve mounted on the discharge line, oil filter, sight glass, capillary hoses "GOMAX", model Quadra DN6;

SA - Suction accumulators;

SAR - Suction accumulators with heat exchanger;

FG+SG+EV - molecular sieves solid-core filter drier, sight glass with liquid indicator and solenoid valve;

PCS - Pressure condensing switches;

WPH - Weather protective housing (RAL 7035 WRI);

NOTE:

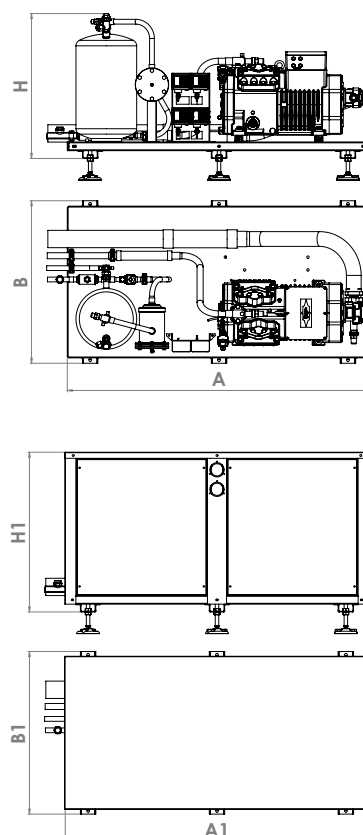
* Metal base frame and air condenser are painted in RAL 7035 WRI;

* The connections to the pressure switches are realized with capillary hoses "GOMAX", model Quadra DN2;

* The oil separator is delivered charged with oil;

* The condensing unit is delivered, pressurized with dry nitrogen;

* Package: wooden crate, not included in the price;



The range consists of 27 models

LOW TEMPERATURE - LT - (380V/3/50Hz) - BITZER

NOMENCLATURE	Cooling capacity, KW		TECHNICAL DATA									
	R404A	R449A	Receiver volume, L	CONNECTION LINES			DIMENSION					
	T _e =-25°C, T _c =45°C (SH=10K, SC=3K)	T _e =-25°C, T _c =45°C (SH=10K, SC=3K)		Discharge /DL/ Ø, mm	Liquid /LL/ Ø, mm	Suction /SL/ Ø, mm	Condensing unit			Weather Protective Housing		
							A /mm/	B /mm/	H /mm/	A1 /mm/	B1 /mm/	H1 /mm/
TFARC 4CES-6Y LT	7,43	7,10	10,0	18	12	28	1400	750	580	1430	750	740
TFARC 4TES-9Y LT	9,10	8,60	12,0	22	16	35	1400	750	580	1430	750	740
TFARC 4TE-9Y LT	9,10	8,60	16,0	22	16	35	1400	750	580	1430	750	740
TFARC 4PES-12Y LT	10,02	9,37	12,0	22	16	35	1400	750	580	1430	750	740
TFARC 4PE-12Y LT	10,02	9,37	16,0	22	16	35	1400	750	580	1430	750	740
TFARC 4NES-14Y LT	12,35	11,66	16,0	22	16	35	1400	750	580	1430	750	740
TFARC 4NE-14Y LT	12,35	11,66	20,0	22	16	35	1400	750	710	1430	750	740
	12,35	11,66	24,5	22	16	35	1400	750	680	1430	750	740
TFARC 4JE-15Y LT	14,79	14,04	24,5	22	18	42	1400	750	680	1430	750	740
TFARC 4HE-18Y LT	17,61	16,82	24,5	28	18	42	1400	750	680	1430	750	740
TFARC 4GE-23Y LT	20,80	19,96	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6JE-25Y LT	22,00	20,90	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6HE-28Y LT	25,90	24,80	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 4JE-15Y LT	14,79	14,04	30,0	28	18	42	1400	750	710	1430	750	740
TFARC 4HE-18Y LT	17,61	16,82	30,0	28	18	42	1400	750	710	1430	750	740
TFARC 4GE-23Y LT	20,80	19,96	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6JE-25Y LT	22,00	20,90	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 4FE-28Y LT	24,80	23,90	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6HE-28Y LT	25,90	24,80	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6GE-34Y LT	31,30	30,30	30,0	28	22	54	1400	750	710	1430	750	740
TFARC 6JE-25Y LT	22,00	20,90	40,0	28	22	54	1400	750	1100	1430	750	1130
TFARC 4FE-28Y LT	24,80	23,90	40,0	28	22	54	1400	750	1100	1430	750	1130
TFARC 6HE-28Y LT	25,90	24,80	50,0	28	22	54	1400	750	1270	1430	750	1300
TFARC 6GE-34Y LT	31,30	30,30	50,0	28	22	54	1400	750	1270	1430	750	1300
TFARC 6FE-44Y LT	37,30	35,90	50,0	35	22	54	1400	750	1270	1430	750	1300
TFARC 6GE-34Y LT	31,30	30,30	40,0	28	22	54	1400	750	1100	1430	750	1130
TFARC 6FE-44Y LT	37,30	35,90	50,0	35	28	64	1400	750	1270	1430	750	1300

STANDARD mounted OPTIONS:

LL - Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

DL - Discharge Line with anaconda;

SL - Suction Line with anaconda;

PSS - Pressure safety switches;

ACCESSORIES - OPTIONS:

MAN - Pressure gauges HP/LP;

OS+CV - Oil separator and check valve mounted on the discharge line, oil filter, sight glass, capillary hoses "GOMAX", model Quadra DN6;

SA - Suction accumulators;

SAR - Suction accumulators with heat exchanger;

FG+SG+EV - molecular sieves solid-core filter drier, sight glass with liquid indicator and solenoid valve;

PCS - Pressure condensing switches;

WPH - Weather protective housing (RAL 7035 WRI);

NOTE:

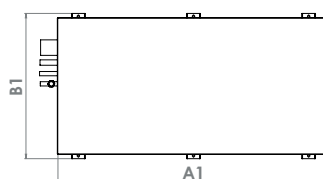
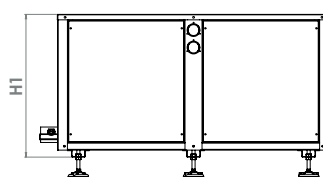
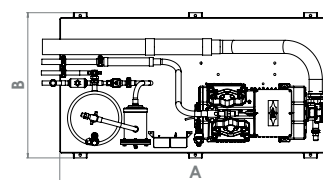
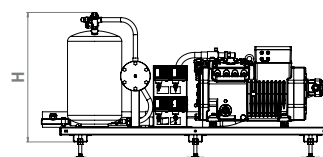
* Metal base frame and air condenser are painted in RAL 7035 WRI;

* The connections to the pressure switches are realized with capillary hoses "GOMAX", model Quadra DN2;

* The oil separator is delivered charged with oil;

* The condensing unit is delivered, pressurized with dry nitrogen;

* Package: wooden crate, not included in the price;



The range consists of 21 models

MEDIUM TEMPERATURE - **MT** - (380V/3/50Hz) - FRASCOLD

NOMENCLATURE	Cooling capacity, KW		TECHNICAL DATA									
	R404A	R449A	Receiver volume, L	CONNECTION LINES			DIMENSION					
	T _e =-10°C, T _c =45°C (SH=10K, SC=3K)	T _e =-10°C, T _c =45°C (SH=10K, SC=3K)		Discharge /DL/ Ø, mm	Liquid /LL/ Ø, mm	Suction /SL/ Ø, mm	Condensing unit			Weather Protective Housing		
							A /mm/	B /mm/	H /mm/	A1 /mm/	B1 /mm/	H1 /mm/
TFARC Q5-21.1Y MT	9,93	10,20	12,0	18	16	28	1400	750	580	1430	750	740
TFARC Q5-24.1Y MT	11,32	11,60	10,0	18	16	28	1400	750	580	1430	750	740
TFARC Q7-28.1Y MT	14,06	13,54	16,0	22	16	35	1400	750	580	1430	750	740
TFARC Q7-33.1Y MT	15,91	16,19	16,0	22	16	35	1400	750	580	1430	750	740
	15,91	16,19	20,0	22	16	35	1400	750	710	1430	750	740
TFARC S12-42Y MT	19,36	19,88	16,0	22	18	35	1400	750	580	1430	750	740
	19,36	19,88	20,0	22	18	35	1400	750	710	1430	750	740
TFARC S15-52Y MT	26,01	23,89	24,5	28	22	42	1400	750	680	1430	750	740
	26,01	23,89	30,0	28	22	42	1400	750	710	1430	750	740
TFARC S20-56Y MT	28,67	27,31	16,0	28	22	42	1400	750	580	1430	750	740
	28,67	27,31	20,0	28	22	42	1400	750	710	1430	750	740
TFARC V20-59Y MT	28,36	28,27	24,5	28	22	42	1400	750	680	1430	750	740
	28,36	28,27	30,0	28	22	42	1400	750	710	1430	750	740
TFARC S20-56Y MT	28,67	27,31	24,5	28	22	42	1400	750	680	1430	750	740
TFARC V20-59Y MT	28,36	28,27	30,0	28	22	42	1400	750	710	1430	750	740
TFARC V25-71Y MT	34,10	35,05	30,0	28	22	42	1400	750	710	1430	750	740
TFARC V30-84Y MT	41,34	41,63	30,0	35	22	54	1400	750	710	1430	750	740
TFARC V32-93Y MT	44,23	44,85	40,0	35	28	54	1400	750	1100	1430	750	1130
TFARC V35-103Y MT	49,44	51,18	40,0	35	28	54	1400	750	1100	1430	750	1130
TFARC Z35-106Y MT	52,24	51,69	40,0	35	28	54	1400	750	1100	1430	750	1130
TFARC Z40-126Y MT	60,92	60,64	40,0	35	28	54	1400	750	1100	1430	750	1130

STANDARD mounted OPTIONS:

LL - Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

DL - Discharge Line with anaconda;

SL - Suction Line with anaconda;

PSS - Pressure safety switches;

ACCESSORIES - OPTIONS:

MAN - Pressure gauges HP/LP;

OS+CV - Oil separator and check valve mounted on the discharge line, oil filter, sight glass, capillary hoses "GOMAX", model Quadra DN6;

SA - Suction accumulators;

SAR - Suction accumulators with heat exchanger;

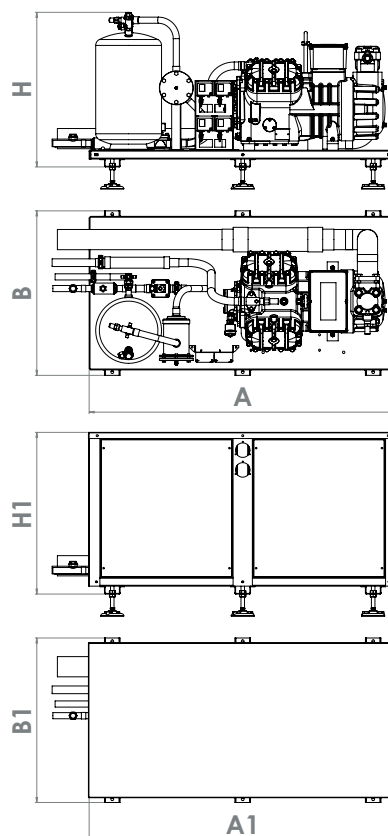
FG+SG+EV - molecular sieves solid-core filter drier, sight glass with liquid indicator and solenoid valve;

PCS - Pressure condensing switches;

WPH - Weather protective housing (RAL 7035 WRI);

NOTE:

- * Metal base frame and air condenser are painted in RAL 7035 WRI;
- * The connections to the pressure switches are realized with capillary hoses "GOMAX", model Quadra DN2;
- * The oil separator is delivered charged with oil;
- * The condensing unit is delivered, pressurized with dry nitrogen;
- * Package: wooden crate, not included in the price;



The range consists of 24 models

LOW TEMPERATURE - LT - (380V/3/50Hz) - FRASCOLD

NOMENCLATURE	Cooling capacity, KW		TECHNICAL DATA									
	R404A	R449A	Receiver volume, L	CONNECTION LINES			DIMENSION					
	T _e =-25°C, T _c =45°C (SH=10K, SC=3K)	T _e =-25°C, T _c =45°C (SH=10K, SC=3K)		Discharge /DL/ Ø, mm	Liquid /LL/ Ø, mm	Suction /SL/ Ø, mm	Condensing unit			Weather Protective Housing		
							A /mm/	B /mm/	H /mm/	A1 /mm/	B1 /mm/	H1 /mm/
TFARC Q5-28.1Y LT	6,46	6,14	10,0	18	12	28	1400	750	580	1430	750	740
TFARC Q5-33.1Y LT	7,77	7,15	10,0	18	12	35	1400	750	580	1430	750	740
TFARC Q7-36.1Y LT	8,66	8,32	12,0	22	16	35	1400	750	580	1430	750	740
TFARC S8-42Y LT	10,03	8,96	16,0	22	16	35	1400	750	580	1430	750	740
TFARC Q7-36.1Y LT	8,66	8,32	16,0	22	16	35	1400	750	580	1430	750	740
TFARC S8-42Y LT	10,03	8,96	16,0	22	16	35	1400	750	580	1430	750	740
TFARC S10-52Y LT	12,72	10,41	20,0	22	16	35	1400	750	710	1430	750	740
TFARC S15-56Y LT	14,02	12,16	20,0	22	16	42	1400	750	710	1430	750	740
TFARC V15-59Y LT	14,52	13,70	20,0	22	16	42	1400	750	710	1430	750	740
TFARC S15-56Y LT	14,02	12,16	16,0	22	16	42	1400	750	580	1430	750	740
TFARC V15-59Y LT	14,52	13,70	20,0	22	16	42	1400	750	710	1430	750	740
TFARC V15-71Y LT	17,22	16,32	24,5	28	18	42	1400	750	680	1430	750	740
	17,22	16,32	30,0	28	18	42	1400	750	710	1430	750	740
TFARC V20-84Y LT	19,39	20,68	16,0	28	18	42	1400	750	580	1430	750	740
	19,39	20,68	24,5	28	22	54	1400	750	680	1430	750	740
TFARC V15-71Y LT	17,22	16,32	30,0	28	22	42	1400	750	710	1430	750	740
TFARC V20-84Y LT	19,39	20,68	30,0	28	22	54	1400	750	710	1430	750	740
TFARC V25-93Y LT	20,41	21,48	30,0	28	22	54	1400	750	710	1430	750	740
TFARC V25103Y LT	23,83	25,38	30,0	28	22	54	1400	750	710	1430	750	740
TFARC Z25-106Y LT	24,66	24,95	30,0	28	22	54	1400	750	710	1430	750	740
TFARC Z30-126Y LT	28,60	31,41	30,0	28	22	54	1400	750	710	1430	750	740
TFARC Z30-126Y LT	28,60	21,41	50,0	28	22	54	1400	750	1270	1430	750	1300
TFARC Z40-154Y LT	38,33	38,30	50,0	35	28	54	1400	750	1270	1430	750	1300
	38,33	38,30	50,0	35	28	64	1400	750	1270	1430	750	1300

STANDARD mounted OPTIONS:

LL - Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

DL - Discharge Line with anaconda;

SL - Suction Line with anaconda;

PSS - Pressure safety switches;

ACCESSORIES - OPTIONS:

MAN - Pressure gauges HP/LP;

OS+CV - Oil separator and check valve mounted on the discharge line, oil filter, sight glass, capillary hoses "GOMAX", model Quadra DN6;

SA - Suction accumulators;

SAR - Suction accumulators with heat exchanger;

FG+SG+EV - molecular sieves solid-core filter drier, sight glass with liquid indicator and solenoid valve;

PCS - Pressure condensing switches;

WPH - Weather protective housing (RAL 7035 WRI);

NOTE:

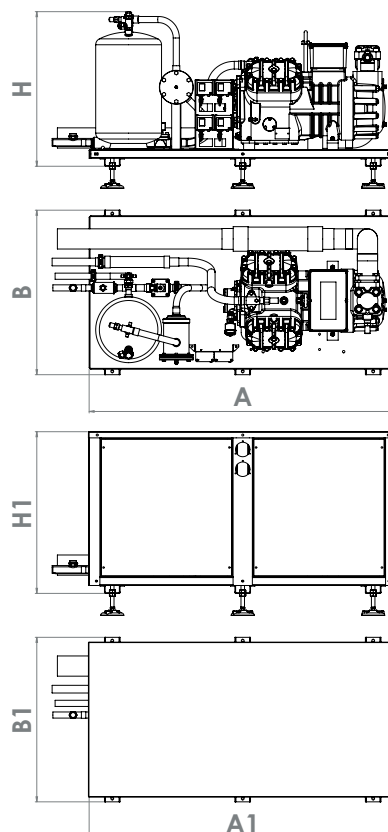
* Metal base frame and air condenser are painted in RAL 7035 WRI;

* The connections to the pressure switches are realized with capillary hoses "GOMAX", model Quadra DN2;

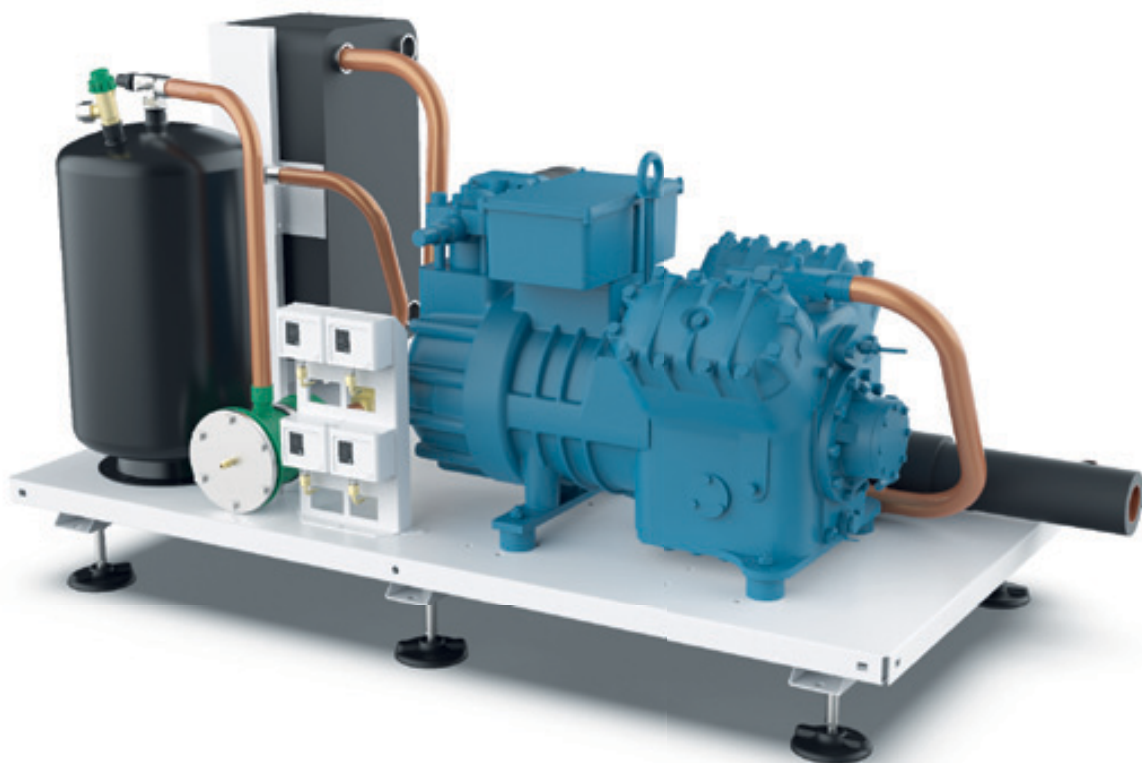
* The oil separator is delivered charged with oil;

* The condensing unit is delivered, pressurized with dry nitrogen;

* Package: wooden crate, not included in the price;

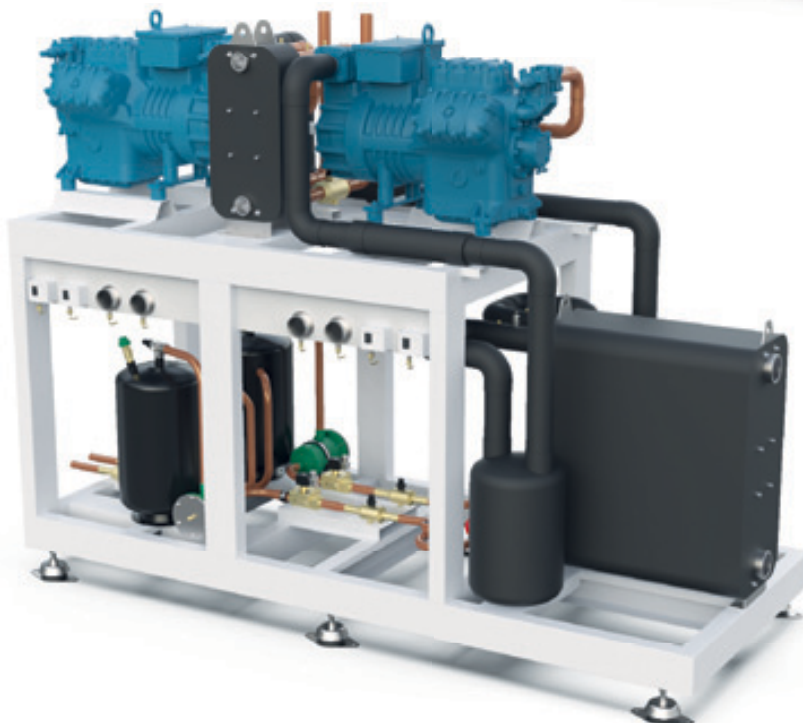
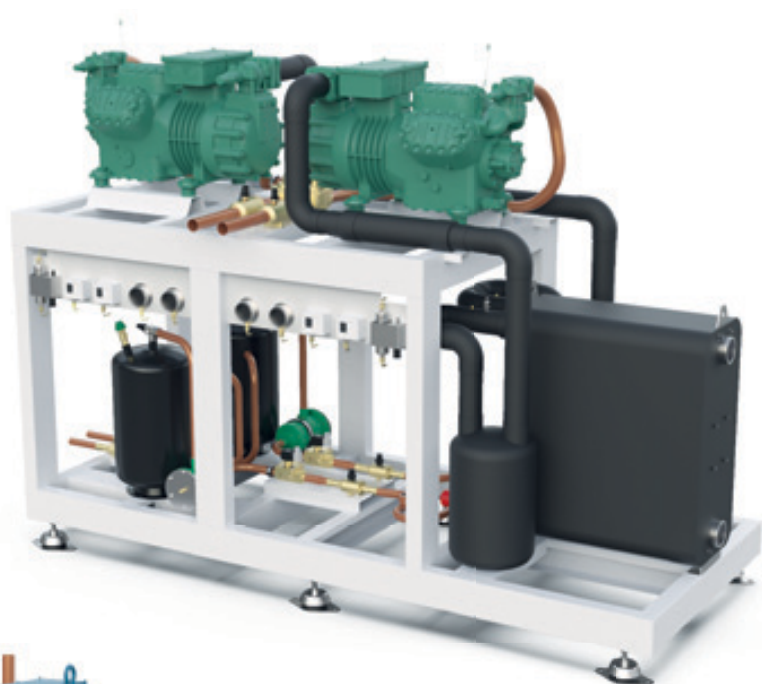


- Metal frame and supports made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI
- Powder two layer painting with controlled thickness of the coating
- Semi-hermetic compressor
- BPHE condenser
- Wide range of 3,4 to 40L receivers. Max working pressure 33 bar
- HP,LP safety pressure switches
- Pressure switches for condensing control
- Safety/stop valves





- Fluid solutions designed for machinery room installations with remote air condenser or integrated water condenser. The TFBC series provides solutions with two or more compressors and independent refrigerating circuits. The TFBC units are available with semi-hermetic reciprocating compressors or screw.



- ✓ Special fruit coolers



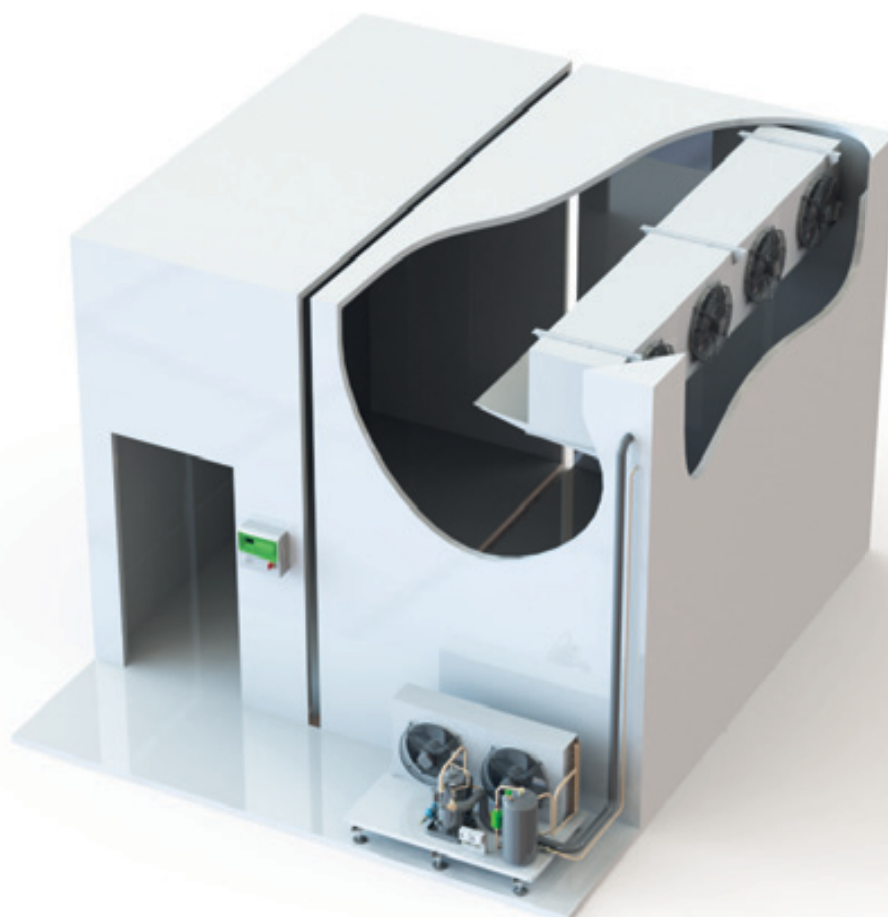
- ✓ Condensing unit with digital scroll Copeland



- ✓ Electronic expansion valve



- ✓ Control panel with Dixell XC645 and XW60K plus remote keyboard.



NOMENCLATURE	Cooling capacity Q _o , KW R449A, t _{evap} = -6°C, t _{amb} = 35°C	UNIT MODELS	EVAPORATOR MODELS	ELECTRONIC CONTROL PANEL - /TFEP.../	ELECTRIC EXPANSION VALVE	TECHNICAL DATA			COLD ROOM DATA *		
						Receiver volume, L	CONNECTIONS		COLD ROOM VOLUME, m ³	ROOM CAPACITY, t	DAILY LOAD PRODUCT, t
							Liquid line /LL/ - Ø, mm	Suction line /SL/ - Ø, mm			
TFCI 15	15	TFA 342/ZBD57KCE MT	KFEH453AS70H400D	TFEP 15	EX4-M21	16	16	28	160	35	3,5
TFCI 20	21	TFA 520/ZBD76K5E MT	KFEH454AS70H400D	TFEP 20	EX5-U21	20	16	35	250	55	5,5
TFCI 30	31	TFA 687/ZBD114K5E MT	KFEH455AS70H400D	TFEP 30	EX5-U21	24	18	42	400	85	8,5
TFCI 40	42	2 x TFA 520/ZBD76K5E MT	2 x KFEH454AS70H400D	TFEP 40	2 x EX5-U21	2x20	2x16	2x35	560	120	12,0
TFCI 60	60	2 x TFA 687/ZBD114K5E MT	2 x KFEH455AS70H400D	TFEP 60	2 x EX5-U21	2x24,5	2x18	2x12	920	195	19,5

* The data is calculated by the average daily import of the product (10% of all room capacity)

STANDARD mounted OPTIONS FOR CONDENSING UNIT:

LL - Liquid line (FG+SG+BV - molecular sieves solid-core filter drier, sight glass with liquid indicator and ball valve);

DL - Discharge Line;

SL - Suction Line;

SA - Suction accumulator;

PSS - Pressure safety switches;

ACCESSORIES - OPTIONS FOR CONDENSING UNIT:

MAN - Pressure gauges HP/LP;

OS+CV - Oil separator and check valve mounted on the discharge line, oil filter, sight glass, capillary hoses "GOMAX", model Quadra DN6;

PCS - Pressure condensing switches;

WPH - Weather protective housing (RAL 7035 WRI);

MAN - Pressure gauges HP/LP;

AD - Adiabatic humidifier

NOTE:

* Metal base frame and air condenser are painted in RAL 7035 WRI;

* The connections to the pressure switches are realized with capillary hoses "GOMAX", model Quadra DN2;

* The oil separator is delivered charged with oil;

* The condensing unit is delivered, pressurized with dry nitrogen;

* Package: wooden crate, not included in the price;

SPECIAL FRUIT COOLERS



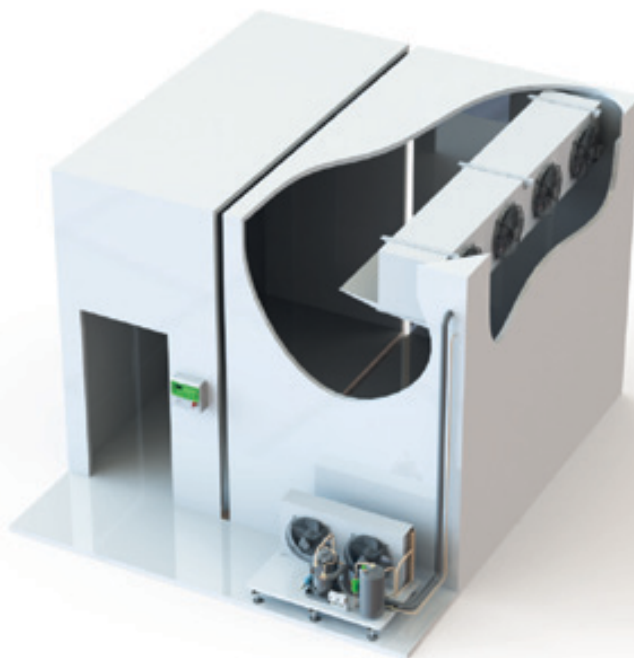
CONDENSING UNIT WITH DIGITAL SCROLL COPELAND



ELECTRONIC EXPANSION VALVE



CONTROL PANEL WITH DIXELL XC645 AND XW60K PLUS
REMOTE KEYBOARD.



- Metal frame and housing made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI
- Powder two layer painting with controlled thickness of the coating
- Copeland scroll compressor for heat recovery and high refrigeration applications for R134a
- BPHE condenser.
- BPHE evaporator.
- Low refrigerant charge. Max working pressure 30 bar.
- HP,LP safety pressure switches.
- Safety/stop valves.



- Metal frame and housing made of carbon steel with special two layer treatment. Powder-coated in RAL 7035 WRI
- Powder two layer painting with controlled thickness of the coating
- Copeland scroll compressor and semi-hermetic reciprocating compressor for heat recovery and high refrigeration applications
- BPHE condenser/evaporator
- BPHE condenser
- Low refrigerant charge. Max working pressure 30 bar.
- HP,LP safety pressure switches.
- Safety/stop valves.





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