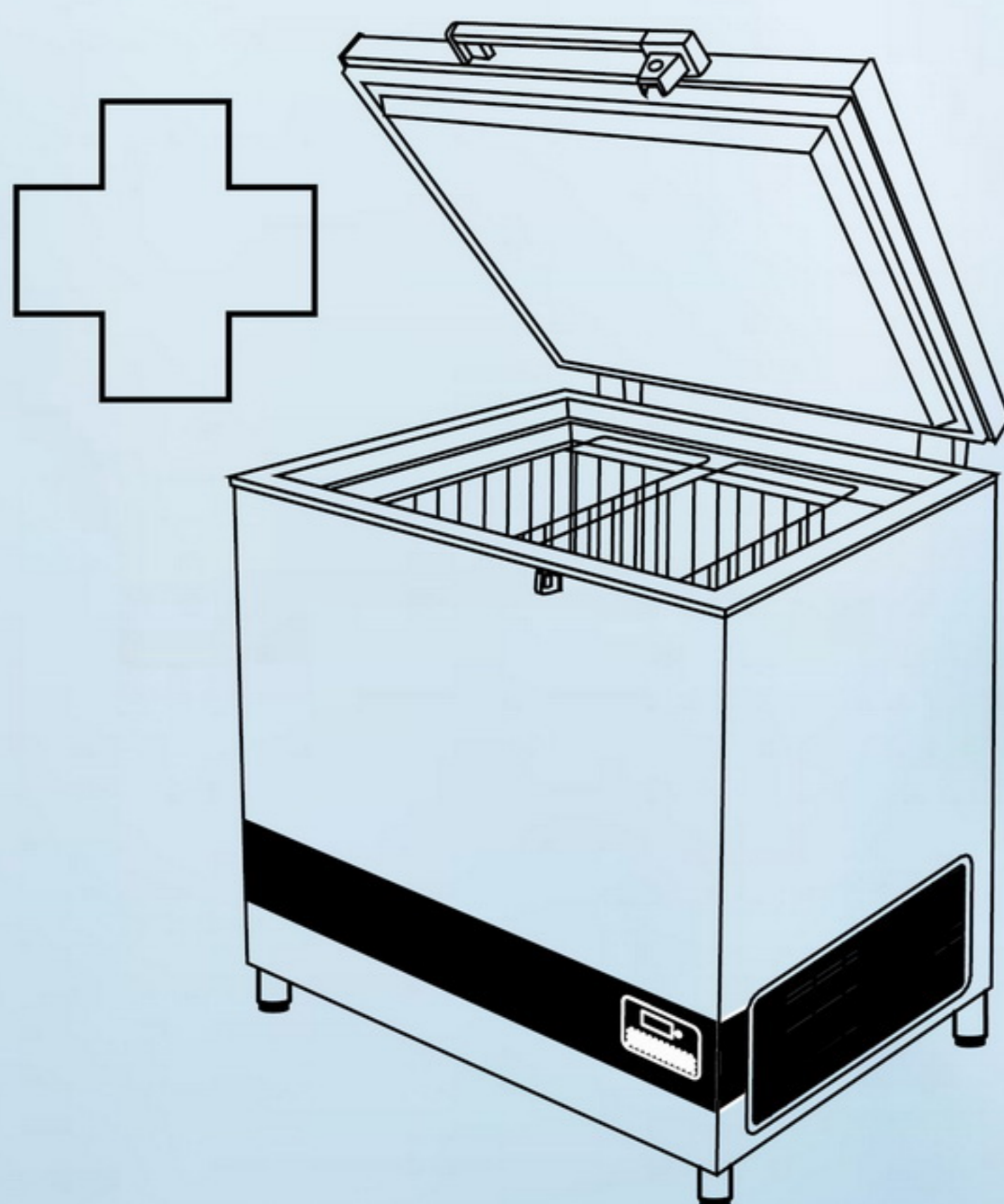




# Medical Refrigeration



*Vaccine Cooler / Freezer  
Icelined Refrigerator  
Low Temp. Freezer  
Ultra Low Temp. Freezer  
Solar System Vaccine Cooler  
Pharmaceutical Refrigerator  
Laboratories Refrigerator / Freezer*



# Vaccine Cooler / Freezer



## Vaccine / Ice Pack Freezer



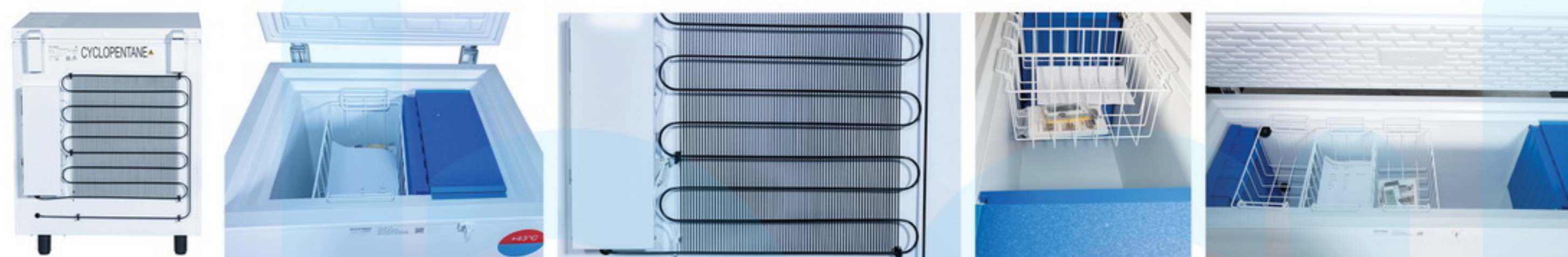
W.H.O. APPROVED



MF114

MF214

MF314



### Features

- Extra compartment for icepack freezing
- External cabinet and inner liner pre-painted galvanized steel
- Danfoss compressor; suitable for use in the tropics
- 220/240V 50/60Hz
- Integrated voltage stabilizer
- Natural refrigerant R600a
- Self-regulating cooling system
- Baskets for organized storage
- Solid lid with handle and lock
- Evaporator tubing zinc coated
- Temperature range -15 ~ -25°C
- Hold-over time: 2,8 ~ 4 hrs

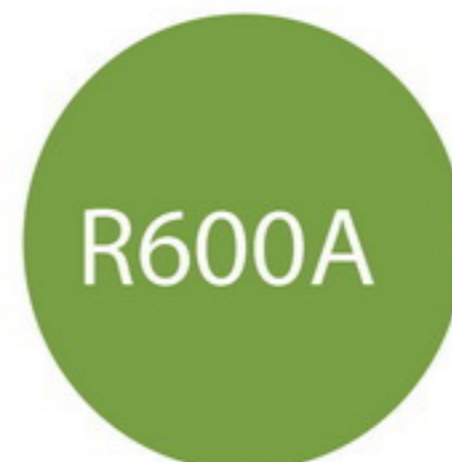
TYPE	DIMENSION (cm)			ICE PACK CAPACITY		GROSS Volume	WHO PQS CODE	BASKET (pcs)	WATT (220V/1P/50Hz)	REFR.	NW/GW (kg)
	L	D	H	Freezing	Storage (L)						
	MF114	72	70	91							
MF214	112	70	91	7,2 kg/24 h	160x0,6	171	E003/025	2	110W/0,8A	R600a	71,3/93
MF314	156	70	91		256x0,6	281	E003/023	3	130W/1,0A	R600a	80/117,2

## Combined Icelined Refrigerator/ Icepack Freezer



W.H.O. APPROVED

Combined Ice-lined vaccine refrigerator and icepack freezer. This sustainable model constructed with hydrocarbon refrigerant, cyclopentane insulation and recyclable components, has a built-in heating element ensuring that the appliance can maintain stable temperatures between +2°to +8°C in all ambient temperatures, setting a new industry standard beyond the PQS requirement of +5°to +43°C.



VLS 064A RF AC

### Features

- WHO PQS code E003/070
- Hold-over time: 45 hrs
- Digital temperature display
- Integrated voltage stabilizer
- Suitable for hot climate zone
- Grade A freeze protection
- Refrigerant R600a
- Corrosion resistant materials
- 220/240V 50/60Hz
- Self-regulating cooling system
- Basket, Lock, legs
- CE certificate

TYPE	DIMENSION (cm)			COOLER VOL. (L)		ICEPACK CAPAC.		WATT (220V/1P/50Hz)	BASKET	NW/GW (kg)
	L	D	H	Gross	Nett	Storage	Freezing			
	VLS 064A RF AC	72	70	91	75	52,5	6 x 0,6 L			





## Icelined Refrigerator .....

by **VESTFROST SOLUTIONS**  
Denmark

**GREEN IRL TECHNOLOGY**



**W.H.O. APPROVED**

This sustainable model constructed with recyclable components, has a built-in heating element ensuring that the appliance can maintain stable temperatures between +2° to +8°C in all ambient temperatures, setting a new industry standard beyond the PQS requirement



VLS 204A AC

VLS 304A AC

VLS 354A AC

VLS 404A AC

### Features

- W.H.O. Approved PQS
- Grade A freeze protection
- Self-regulating cooling system
- Temperature range +2° to +8°C
- Integrated voltage stabilizer
- Hold-over time up to ± 54 hrs
- Basket, Lock + keys
- Refrigerant R600a
- 220/240V 50/60Hz
- Digital temperature display
- Corrosion resistant materials
- 0,57-0,67 kWh/24 hrs at 43°C AMB
- CE and CB certification



**GRADE A  
FREEZE  
PROTECTION  
NO RISK OF  
FREEZING THE  
VACCINE**

TYPE	DIMENSION (cm)			VOL. (L)		WATT (220V/1P/50Hz)	WHO PQS CODE	BASKET Top+Bottom	NW/GW (kg)
	L	D	H	Gross	Nett				
VLS 204A AC	72	70	91	113	60	150W/0.8A	E003/109	2+1 pcs	91,4/116,4
VLS 304A AC	92	70	91	157	98	150W/0.8A	E003/110	3+1 pcs	104,8/132,2
VLS 354A AC	112	70	91	209	127	150W/0.8A	E003/111	4+3 pcs	118,4/148,4
VLS 404A AC	126	70	91	235	145	150W/0.8A	E003/112	4+3 pcs	127,2/159

## Solar Direct Driven Vaccine Refrigerator .....

by **VESTFROST SOLUTIONS**  
Denmark

The appliance can maintain stable temperatures between +2° to +8°C in all ambient temperatures, included solar panel kit of 2 x 180W, is connected plug & play, directly to the appliance. The VLS SDD has an integrated safety thermostat, and junction box to safeguard and provide easy access to electrical components.



VLS 024 SDD

2 x 180W Solar Panels

VLS 054A SDD

### Features

- Grade A freeze protection
- Natural refrigerant R600a
- Self-regulating cooling system
- Digital thermometer
- 100% battery free, no contribution to global warming
- Autonomy as per PQS protocols hour : 81,7 / 72,4
- Temperature range: +2°C to +8°C
- Corrosion resistant materials
- Plug & Play solar panel system
- Basket, Lock, Legs
- CE and CB certification
- Refrigerant R600a

TYPE	DIMENSION (cm)			VOLUME (L)		MIN SOLAR RAD. (kWh/M2/day)	Voltage	WHO PQS CODE	BASKET	NW/GW (kg)
	L	D	H	Gross	Nett					
VLS 024 SDD	55	65	95	33	25,5	3,5	18DC	E003/069	1 pcs	52,8/67,8
VLS 054A SDD	72	70	91	108	55,5	3,5	12DC	E003/106	1 pcs	85/110,5





# Low Temp. Freezer -40 ~ -60°C

by **VESTFROST SOLUTIONS**  
Denmark

The VT low temperature freezers creates the possibility to maintain temperatures as low as -60°C. Supreme stability, reliability, user-friendliness and ease of cleaning make these freezers an ideal solution for laboratories and hospitals. Nature R refrigerant, cyclopentane insulation combined with recyclable materials make the freezers extremely eco-friendly.



LOW NOISE



ENVIRONMENT FRIENDLY



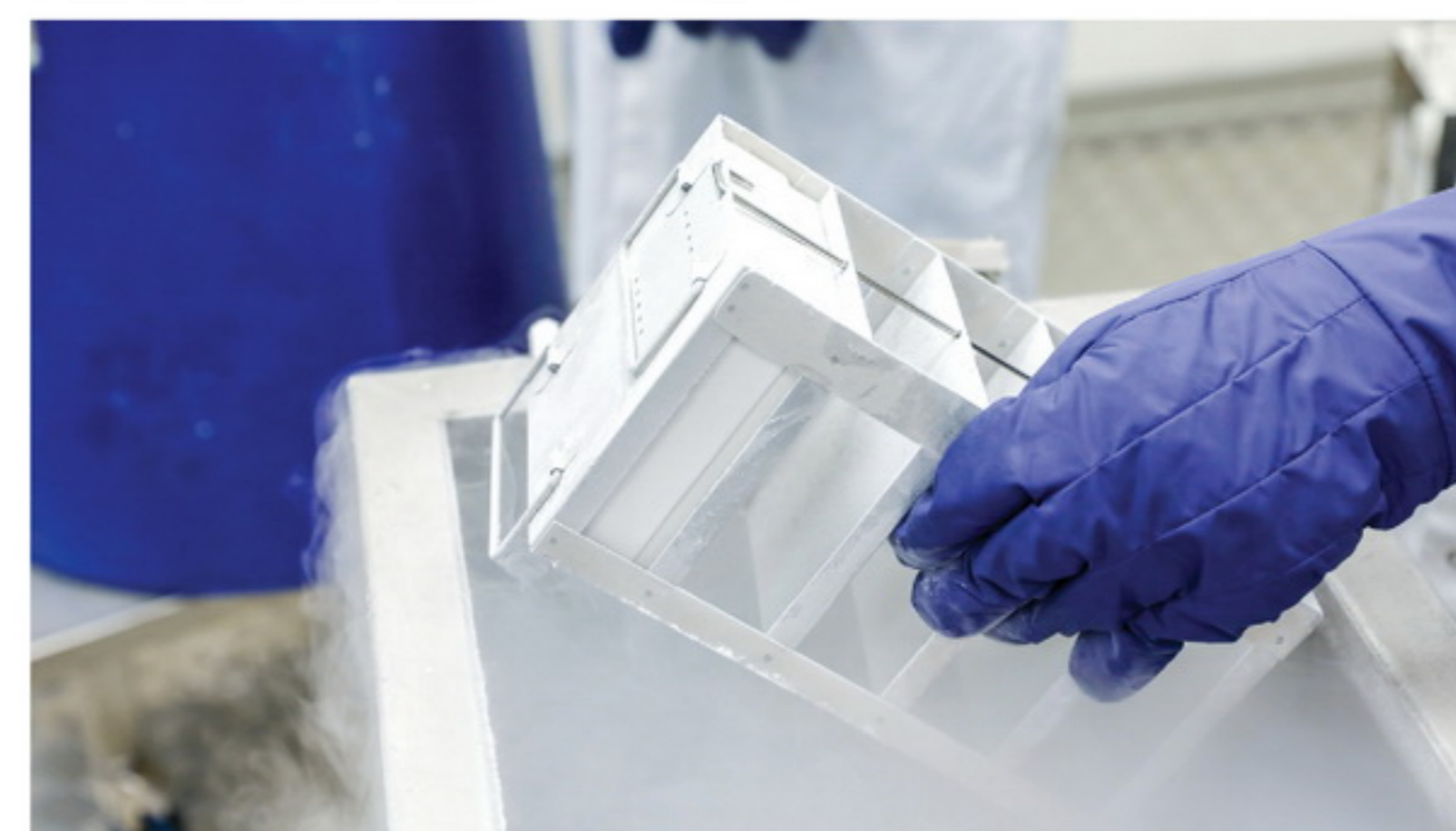
USER FRIENDLY



VT147



VT307



VT147 (back view)



VT407



VT547

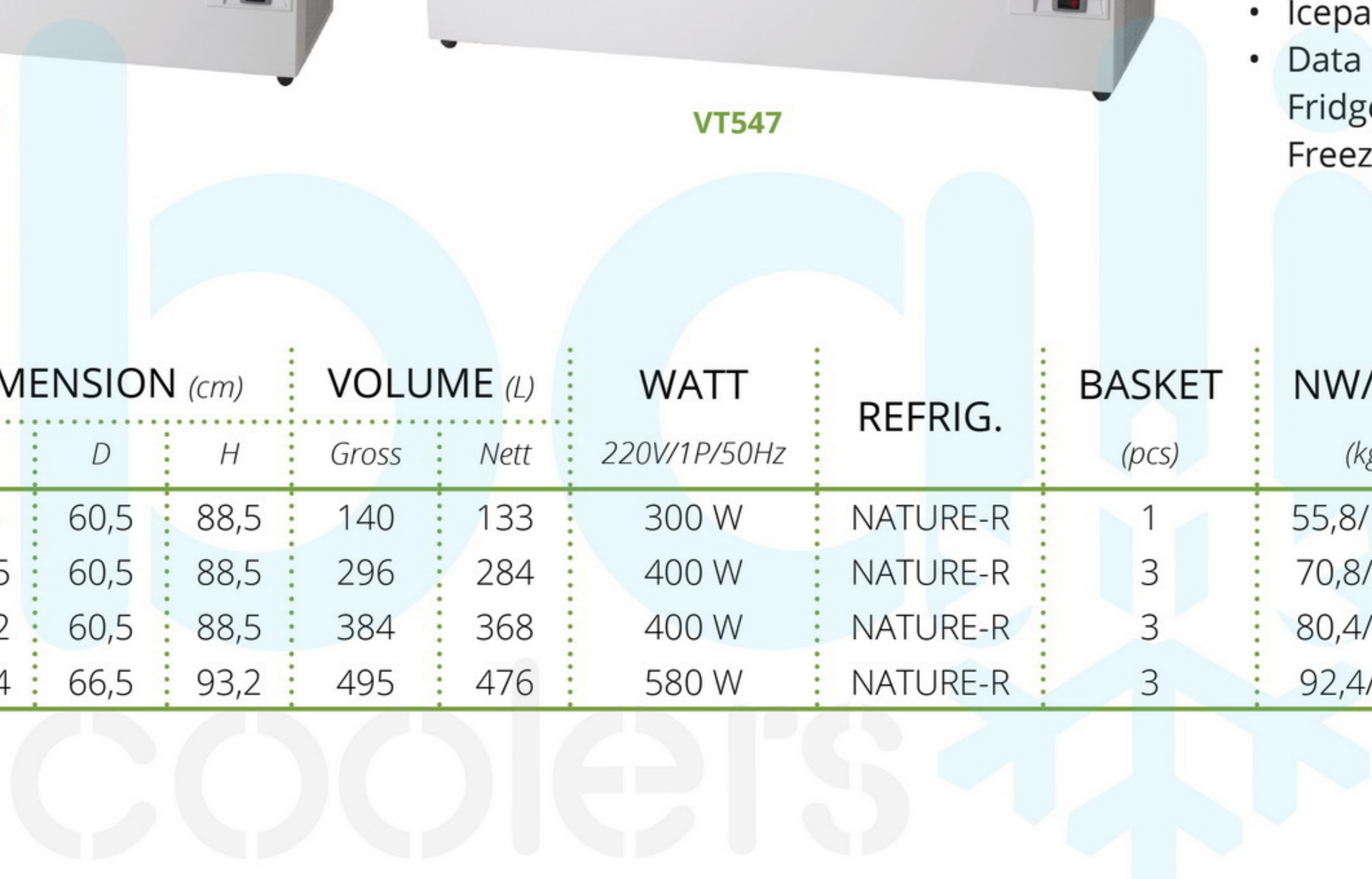
### Features

- High / low temperature alarm
- Probe failure alarm
- Static cooling system
- Porthole
- Storage baskets
- Castors & lock

### Accessories options

- Icepacks
- Data logger Berlinger
- Fridge-tag 2 L Ultra Freeze

TYPE	DIMENSION (cm)			VOLUME (L)		WATT 220V/1P/50Hz	REFRIG.	BASKET (pcs)	NW/GW (kg)
	W	D	H	Gross	Nett				
VT147	72,5	60,5	88,5	140	133	300 W	NATURE-R	1	55,8/ 59,8
VT307	126,5	60,5	88,5	296	284	400 W	NATURE-R	3	70,8/75,8
VT407	156,2	60,5	88,5	384	368	400 W	NATURE-R	3	80,4/86,4
VT547	166,4	66,5	93,2	495	476	580 W	NATURE-R	3	92,4/108



# Ultra Low Temp. Freezer -20~-86°C



Seri ULTF-Ci, freezer suhu ultra rendah dari -20°C sampai -86°C mampu menjaga suhu dingin karena tutup horizontalnya. Dilengkapi dengan ETR-System™ (Extended Temperature Range), unit ini dapat beroperasi dalam rentang -20°C hingga -86°C, memberikan fleksibilitas untuk menyesuaikan pendinginan sesuai kebutuhan Anda atau menghemat energi dengan mengurangi biaya operasi dan emisi karbon. Produk alat kesehatan biomedis kami menawarkan solusi yang handal bagi pengguna yang mencari kinerja pendinginan terkemuka dalam industri dan stabilitas operasi yang tinggi.

Dengan kontroler i-Care. membuatnya lebih mudah mengakses informasi, mengubah pengaturan, mengekstrak data, dan lainnya. Dilengkapi layar sentuh 5 inci dengan ikon intuitif dan menu yang mudah dinavigasi. Informasi menjadi kunci untuk memastikan penyimpanan yang tepat untuk obat dan sampel biologis. Seri i-Care baru menampilkan data logger bawaan, grafik suhu langsung, memberikan gambaran cepat tentang kondisi penyimpanan Anda.

**BIOMEDICAL SOLUTIONS**

by **VESTFROST SOLUTIONS**  
Denmark



**I-CARE**

**-20°C**  
**-86°C**

Complexity made simple Info center



**ATEX**  
**Ex**  
Protection for storage  
CE G11 30 14 10 14



i-Care, Touch Screen



**ULTF-C74i**



ULTF-C74i (back view)



**ULTF-C198i**



**ULTF-C296i**

### Features

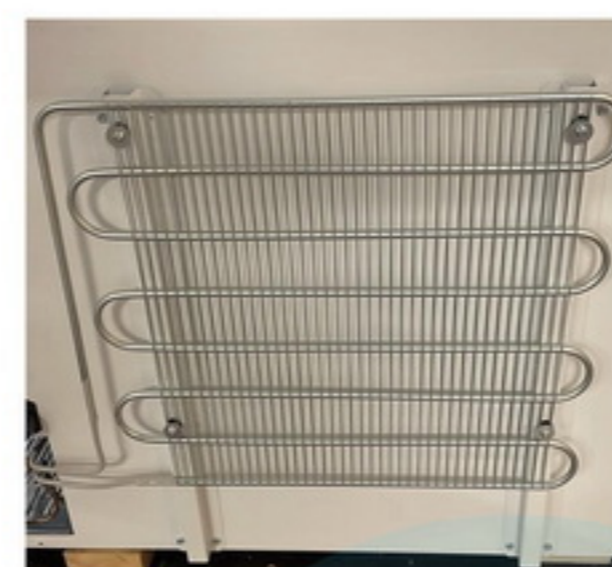
- Controller: i-Care, Touch Screen
- USB port
- Data, Alarm, & Events Logging
- Temperature graph
- High/low temperature alarm
- Probe & power failure alarm
- Lock & wheel
- Battery backup for controller, 48h
- Porthole, Ø12,5mm
- Dry contact
- Insulation thickness 80 mm
- Static refrigeration system

### Features

- High/low temperature alarm
- Probe failure alarm
- Power failure alarm
- LED light
- Battery backup for controller, 48h
- Porthole
- Dry contact
- Insulation thickness 80 mm
- Static refrigeration system
- Lock



**ULTF-C383i**



ULTF-C198i (back view)



**VT 308 / VT 408**



VT 408 (back view)

TYPE	DIMENSION (cm)			VOLUME (L)		WATT (220-240V~50Hz)	REFRIGERANT	WEIGHT NW/GW(kg)
	W	D	H	Gross	Nett			
ULTF-C74i	92,1	55	55	74	71	625	Nature R2 (121g)	50/73
ULTF-C198i	83,1	92	60,8	198	189	625	Nature R2 (90g)	63/80
ULTF-C296i	83,1	126	60,8	296	284	680	Nature R2 (143g)	78/100
ULTF-C383i	83,1	156	60,8	383	368	680	Nature R2 (161g)	86/112
VT 308	126,5	60,5	88,5	296	284	680	Nature R (HC)	76,8
VT 408	156,2	60,5	88,5	383	368	680		85,6





# Solar Direct Driven Vaccine Refrigerator and Icepack Freezer

by **VESTFROST SOLUTIONS**  
Denmark

Can maintain stable +2° to +8°C in all ambient temperatures, setting a new industry standard beyond the PQS requirement. The included solar panel kit of 4 x 180W, is connected plug & play, directly to the appliance. The VLS has an integrated safety thermostat, and junction box to safeguard and provide easy access to electrical components



## SAFE ICELINED REFRIGERATOR

Kulkas Eslandia kami adalah "Grade A Freeze Protected" sesuai dengan standar WHO PQS. Vaksin apa pun yang disimpan dalam ILR kami tidak dapat membeku, di mana pun dalam kompartemen vaksin ditempatkan, dengan opsi penyimpanan aman ini semua vaksin akan sepenuhnya manjur!

## EFFICIENT ICEPACK FREEZER

Dengan Icepack Freezer kami yang efisien, paket ic untuk kunjungan lapangan selalu beku dan siap untuk pergi. Ketika kembali dari kunjungan lapangan, cukup tempatkan paket air di dalam freezer, dan dalam 24 jam mereka berubah menjadi paket siap untuk perjalanan lapangan vaksinasi berikutnya

## SOLAR DIRECT DRIVEN

Our Solar Direct Driven units are designed for use in areas with unstable electricity or no power grid and therefore the need for alternate power source. The included solar panel kit of 4 x 180W

Temperature range at 43°C AMB  
Cooler : +2 ~ +8°C Freezer : -14 ~ -16°C

### Features

- PQS E003/092
- Refrigerator with Grade A Freeze Protection
- Self-regulating cooling system
- 100% battery free
- Plug & Play solar panel system
- Integrated ice-bank technology
- Reliable storage for vaccines
- Suitable for hot climate zone
- 4 x 180W Solar Panels
- Autonomy: 72 hrs
- Lock, Basket, Leg
- Integrated safety thermostat, and junction box to safeguard and provide easy access to electrical components.
- CB & CE Certificate

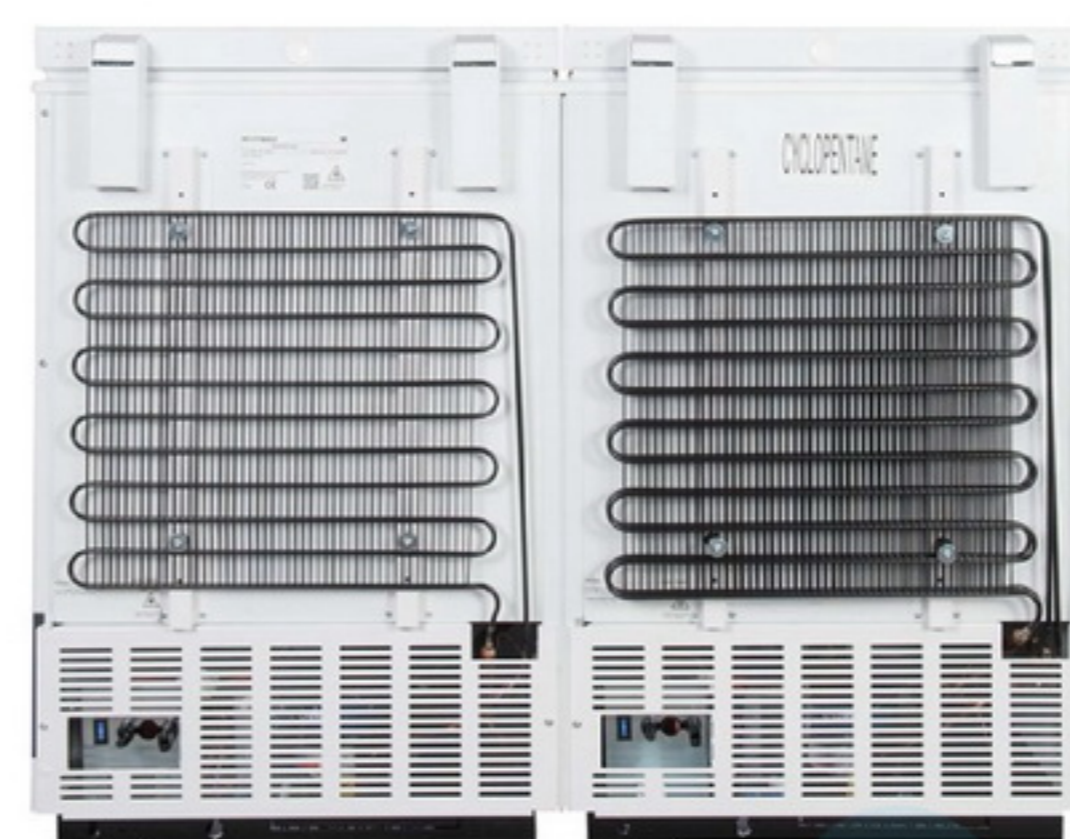


4 x 180W Solar Panels

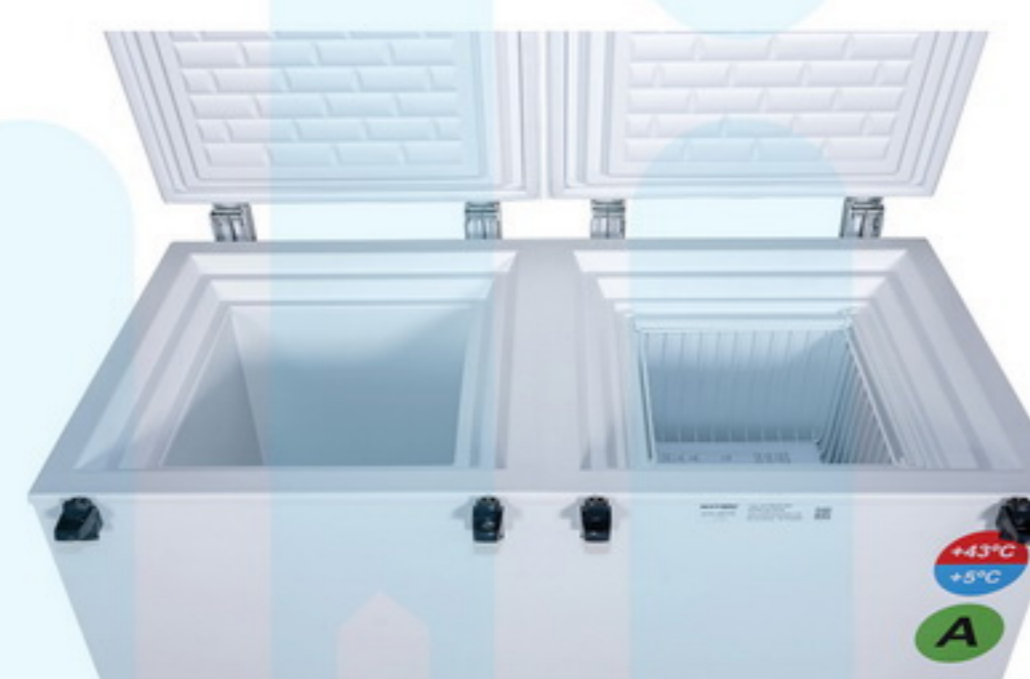


VLS 056 RF SDD

## 2 INDEPENDENT SYSTEMS



VLS 056 RF SDD - INSIDE



TYPE	DIMENSION (cm)			VOLUME (L)		VOLUME FREEZER	WATER FREEZING CAPACITY	WATER PACK CAPACITY	VOLTAGE	REFRIG.	NW/GW (kg)
	L	D	H	Gross	Nett						
VLS 056 RF SDD	111	65	95	49,3	36	34,3 L	1,8 kg/24hr	29 x 0,6 L	10-45 DC	R290/R600a	100/133





# Pharmaceutical Refrigerator

Kulkas yang digunakan untuk menyimpan dan menjaga kualitas obat-obatan.

### Features

- Thermostat digital
- Vertical Light
- Expandable alarm buzzer
- No-Frost
- Wheels & Lock
- Temperature: +4 ~ +8°C



EXPO-280PH



EXPO-480PH

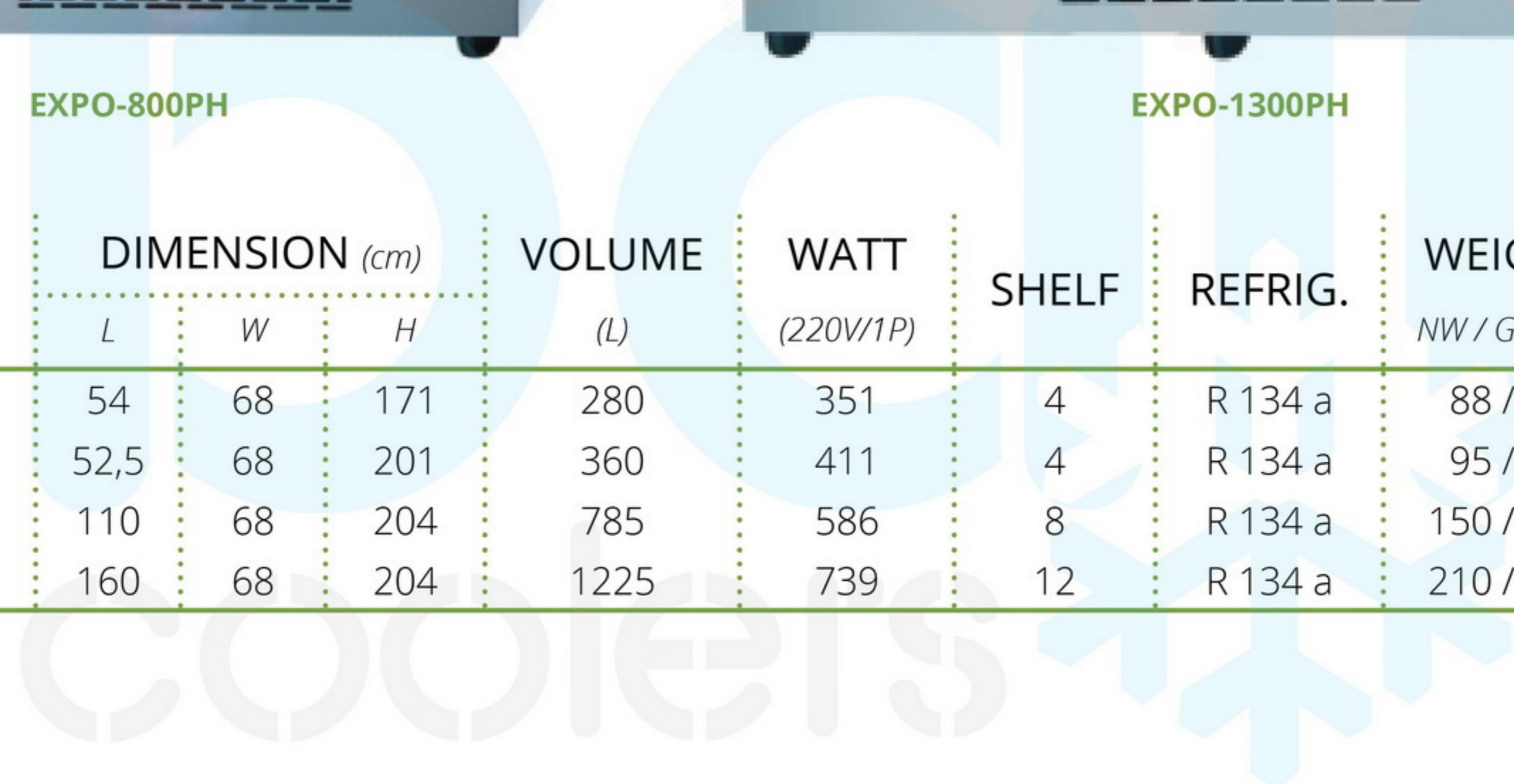


EXPO-800PH



EXPO-1300PH

TYPE	DIMENSION (cm)			VOLUME (L)	WATT (220V/1P)	SHELF	REFRIG.	WEIGHT (NW / GW (kg))
	L	W	H					
EXPO-280PH	54	68	171	280	351	4	R 134 a	88 / 92
EXPO-480PH	52,5	68	201	360	411	4	R 134 a	95 / 98
EXPO-800PH	110	68	204	785	586	8	R 134 a	150 / 153
EXPO-1300PH	160	68	204	1225	739	12	R 134 a	210 / 213





# Laboratories Refrigerator / Freezer

Lemari pendingin yang digunakan untuk menyimpan obat-obatan dan keperluan farmasi.  
Cocok digunakan di Rumah Sakit & Laboratorium Farmasi.

## Features

- Full stainless-steel exterior & interior
- Removable drop-in refrigeration system
- Embraco / Secop Compressor
- Digital thermostat
- Electronic expansion valve
- HFC245 insulation foam, Ozone friendly
- Auto hot gas defrost with self-evaporated system
- Poly coated evaporator to prevent corrosion
- Removable door heater & gasket for easy maintenance
- Removable S/S bracket & tray slide
- Inner chamber with round corner design for easy cleaning
- Expandable alarm buzzer
- Door lock, castor & poly coated wire shelf



LR-600  
LF-600



LR-1400  
LF-1400

TYPE	DIMENSION (cm)			VOL. (L)	POWER (220V/1P/50hz)	REFRIG.	TEMP.	SHELVES	WEIGHT (kg)	
	W	D	H						Nett	Gross
LR-600	73,7	81,5	198	550	430 W	R290	-2 ~ +4°C	3 Pcs	130	138
LR-1400	140	81,5	198	1170	460 W	R290	-2 ~ +4°C	6 Pcs	190	205
LF-600	73,7	81,5	198	550	650 W	R290	-18 ~ -22°C	3 Pcs	130	138
LF-1400	140	81,5	198	1170	800 W	R290	-18 ~ -22°C	6 Pcs	190	205

