

### External dimensions

Height (mm)	910
Width (mm)	1270
Depth(mm)	780

### Internal dimensions

Freezer height (mm)	330
Freezer width (mm)	250
Freezer depth (mm)	510
Refrigerator height (mm)	530
Refrigerator width (mm)	365
Refrigerator depth (mm)	410

### Volumes

Refrigerator gross volume (litres)	79
Freezer gross volume (litres)	42
Vaccine storage capacity (litres)	70
Blood storage capacity (litres)	-

### Ship dimensions

Weight net (kg)	140
Height (mm) Cardboard	1030
Width (mm) Cardboard	1300
Depth (mm) Cardboard	800
Volume (m3) Cardboard	1.07
Weight (kg) Cardboard	160

Height (mm) Wood	-
Width (mm) Wood	-
Depth (mm) Wood	-
Volume (m3) Wood	-
Weight (kg) Wood	-

### Accessories

2 vaccine storage baskets
lockable lid
2 spacers
16 waterpacks 0.6L
1 compass
1 basic tool kit

### Active Solar Direct Drive

### Vaccine refrigerator / Waterpack freezer

### TCW 2043 SDD

### Technical details

Energy Source(s)	Solar / DC
Voltage	12-30V DC
Power	Refr. 66W Freezer 60W (at 20V DC)
Set-Point	Refr. +5°C Freezer -25°C
Compressor type	2 x Compressor BD35K
Refrigerant	Refr. 45g R600a Freezer 40g R600a
Thermostat	2 x Electronic TCW SDD
Capillary tube	Refr. DU=0.66 x 4500mm Freezer DU=0.66 x 4500mm
Colour	blue according to RAL5015
CFC/HCFC free	yes
External / internal material	Polyethylene
Insulation material	100 mm Polyurethane foam / Foaming agent; Cyclopentane
Evaporator type	Rollbond
Weight fully loaded (kg)	-
Required Ice Packs	-
Installed Icelining	4 x 3.8L and 24 x 0.6L

### Performance

Hold over time at 32°C	-
Hold over time at 43°C	79h
Cool down	56h
Stable running, no IP freezing, full load (intermittent energy)	0.73kWh/24h at 43°C
Autonomy test	73h54min
Energy consumption stable running	0.73kWh/24h at 43°C
Energy consumption cool down	0.79kWh/24h at 43°C
Energy consumption during freezing	1.05kWh/24h at 43°C
Waterpack freezing capacity	2.5kg/24h at 43°C
max. waterpack storage capacity (kg)	16 x 0.6 l waterpacks
Min rated ambient temperature	+5°C
Climate Zone	Hot
Temperature class	-

### Certification

WHO test procedure	E003 / RF05-VP.3
WHO specifications	E003 / RF05.3
WHO test report	Cemafruid WHO13-025
PQS Code	E003/043
Freeze protection	Grade A
Low Voltage Directive	2014/35/EC
EMC Directive	-