

External dimensions

Height (mm)	900
Width (mm)	1030
Depth(mm)	780

Internal dimensions

Freezer height (mm)	-
Freezer width (mm)	-
Freezer depth (mm)	-
Refrigerator height (mm)	410
Refrigerator width (mm)	325
Refrigerator depth (mm)	350

Volumes

Refrigerator gross volume (litres)	46.6
Freezer gross volume (litres)	-
Vaccine storage capacity (litres)	36
Blood storage capacity (litres)	-

Ship dimensions

Weight net (kg)	94
Height (mm) Cardboard	1060
Width (mm) Cardboard	1040
Depth (mm) Cardboard	800
Volume (m3) Cardboard	0.88
Weight (kg) Cardboard	120
Height (mm) Wood	-
Width (mm) Wood	-
Depth (mm) Wood	-
Volume (m3) Wood	-
Weight (kg) Wood	-

Accessories

1 vaccine storage basket lockable lid 2 spacers 1 brush 1 compass 1 basic tool kit

Active Solar Direct Drive Vaccine refrigerator TCW 40R SDD

Technical details

Energy Source(s)	Solar / DC
Voltage	12-30V DC
Power	70W (at 20V DC)
Set-Point	+5°C
Compressor type	Compressor BD35K
Refrigerant	60g R600a
Thermostat	Electronic TCW 40SDD
Capillary tube	DU=0.66x 2500mm
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)	94 + 36l Vaccine = 130
Required Ice Packs	-
Installed Icelining	4 x 4.8L and 8 x 0.6L and 4 x 0.6L PCM

Performance

Hold over time at 32°C	-
Hold over time at 43°C	93h 24min
Cool down	36h
Stable running, no IP freezing, full load (intermittent energy)	0.57kWh/24h at 43°C
Autonomy test	81h54min
Energy consumption stable running	0.80kWh/24h at 43°C
Energy consumption cool down	0.67kWh/24h at 43°C
Energy consumption during freezing	-
Waterpack freezing capacity	-
max. waterpack storage capacity (kg)	-
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 WHO13-024 V2
PQS Code	E003/068
Freeze protection	Grade A
Low Voltage Directive	2014/35/EC
EMC Directive	-