



COLD CHAIN
EQUIPMENT

MF SERIES

TEMPERATURE RANGE -15°C to -25°C
VACCINE / ICEPACK FREEZERS



DIMENSIONS	MF 114	MF 214	MF 314
Height, mm	910	910	910
Width, mm	720	1120	1560
Depth, mm with handle	700	700	700
Gross weight, kg (incl. packaging)	69,90	93	117,2
Net weight, kg	54	71,30	80
Packed dimensions HxWxD, mm	1025x785x727	1025x1185x727	1025x1620x727
Shipping volume m3	0,58	0,88	1,21
SPECIFICATIONS			
Gross volume, L	105	171	281
Icepack freezing capacity, kg/24h	7,2	7,2	7,2
Icepack storage capacity, pcs	64 x 0,6 L	160 x 0,6L	256 x 0,6L
Temperature range (+43°C AMB)	-15° to -25°C	-15° to -25°C	-15° to -25°C
Hold-over time, hours (+43°C AMB)	2,8	2,9	4,0
Energy consumption - stable, kWh/24h	2,24	3,00	4,23
Energy consumption - cool down, kWh/24h	2,41	2,96	4,29
Refrigerant	R600a	R600a	R600a
WHO PQS code	E003/024	E003/025	E003/023
Climate class	T	T	T
FEATURES			
Storage baskets, no	2	2	3
Temperature control	Automatic	Automatic	Automatic
Lock + keys	YES	YES	YES
Adjustable legs	YES, 10 cm	YES, 10cm	YES, 10cm
Junction box	YES	YES	YES
Safety thermostat	NO	NO	NO
Appliance plugs	E, F, G	E, F, G	E, F, G
Industrial grade locking mechanism	YES	YES	YES
Fridge-tag 2E	YES	YES	YES
LOADING QUANTITIES			
Qty. per 20' / 40' container	44 / 92	24 / 60	18 / 42
Qty. per truck (EU standard)	108	72	48
VOLTAGE REGULATION RANGE			
220-240V/50/60Hz	110-278V/50/60Hz	110-278V/50/60Hz	110-278V/50/60Hz
100-127V/50/60Hz	82-159V/50/60Hz	82-159V/50/60Hz	82-159V/50/60Hz



COLD CHAIN
EQUIPMENT

ICELINED REFRIGERATOR SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS A AC



DIMENSIONS	VLS 174A AC	VLS 204A AC	VLS 304A AC	VLS 354A AC	VLS404A AC	VLS 504A AC
Height, mm	950	910	910	910	910	910
Width, mm	550	720	920	1120	1260	1560
Depth, mm with handle	650	700	700	700	700	700
Gross weight, kg (incl. packaging)	84,70	116,4	132,20	148,4	159	193,7
Net weight, kg	63,80	91,4	104,80	118	127,2	172
Packed dimensions HxWxD, mm	1055x610x675	1025x785x727	1025x980x727	1025x1185x727	1025x 320x727	1025x1620x727
Shipping volume m3	0,43	0,58	0,73	0,88	0,98	1,21
SPECIFICATIONS						
Gross volume, L	50	113	157	209	235	314
Net volume, L	38	60	98	127	145	242
Temperature range (+43°C AMB)	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C
Hold-over time, hours (+43°C AMB)	57,52	54	55,5	54,7	55	55,3
Energy consumption - stable, kWh/24h	0,504	0,57	0,60	0,62	0,67	0,64
Energy consumption - cool down, kWh/24h	N/A	0,58	0,69	0,64	0,69	N/A
Refrigerant	R600a	R600a	R600a	R600a	R600a	R600a
Freeze protection, grade	A	A	A	A	A	A
Climate class	T	T	T	T	T	T
WHO PQS code	E003/120	E003/109	E003/110	E003/111	E003/112	E003/113
FEATURES						
Storage baskets, no. top	1	2	3	4	4	6
Storage baskets, no. bottom	1	1	2	3	3	4
Temperature control	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lock + keys	YES	YES	YES	YES	YES	YES
Junction box	YES	YES	YES	YES	YES	YES
Adjustable legs	YES, 10cm	YES, 10cm	YES, 10cm	YES, 10cm	YES, 10cm	YES, 10cm
Safety thermostat	YES	YES	YES	YES	YES	YES
Appliance plugs	E, F, G	E, F, G	E, F, G	E, F, G	E, F, G	E, F, G
Industrial grade locking mechanism	YES	YES	YES	YES	YES	YES
EMS as an option	YES	YES	YES	YES	YES	YES
LOADING QUANTITIES						
Qty. per 20' / 40/ container	44 / 92	44 / 92	36 / 72	26 / 60	24 / 50	18 / 42
VOLTAGE REGULATION RANGE						
220-240V 50/60Hz	110-278V 50/60Hz	110-278V 50/60Hz	110-278V 50/60Hz	110-278V 50/60Hz	110-278V 50/60Hz	110-278V 50/60Hz
100-127V 50/60Hz	82-159V 50/60Hz	82-159V 50/60Hz	82-159V 50/60Hz	82-159V 50/60Hz	82-159V 50/60Hz	82-159V 50/60Hz



COLD CHAIN
EQUIPMENT

TRUE COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C



DIMENSIONS		VLS 096A RF SDD
Height, mm		940
Width, mm		1510
Depth, mm with handle		750
Gross weight, kg (incl. packaging)		190
Net weight, kg		150
Packed dimensions HxWxD, mm		1065x1560x785
Shipping volume m ³		1,31
REFRIGERATOR SPECIFICATIONS		
Gross volume, L		147
Net volume, L		110
Temperature range (+43°C AMB)		+2°C to +8°C
Autonomy, hours (+43°C AMB)		114,33
Refrigerant		R600a
Freeze protection, grade		A
Climate class		T
WHO PQS code		E003/132
FREEZER SPECIFICATIONS		
Gross volume, L		50
Water pack storage capacity, L		28 x 0.6
Water pack freezing capacity, kg/24h		2,4
Temperature range (+43°C AMB)		-15° to -25°C
Refrigerant		R290 + R600a
FEATURES		
Storage baskets, no		2
Temperature control		Automatic
Lock + keys		YES
Junction box		YES
Adjustable legs		YES, 10cm
Safety thermostat		YES
Charging port		USB A 5V
EMS as option		YES
Industrial grade locking mechanism		YES
Automatic drainage system		YES
LOADING QUANTITIES		
Qty. per 20' / 40' container		12 / 22
*incl. solar panels		



COLD CHAIN
EQUIPMENT

SOLAR REFRIGERATOR SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS A SDD



DIMENSIONS	VLS 024A SDD	VLS 054A SDD	VLS 094A SDD	VLS 154A SDD
Height, mm	950	910	910	910
Width, mm	550	720	920	1260
Depth, mm with handle	650	700	700	700
Gross weight, kg (incl. packaging)	67,8	110,5	127,9	133,8
Net weight, kg	52,8	85	107	102
Packed dimensions HxWxD, mm	1055 x 610 x 675	1025 x 785 x 727	1025 x 980x 727	1025 x 1320 x 727
Shipping volume m3	0,43	0,58	0,73	0,98
SPECIFICATIONS				
Gross volume, L	33	108	151	248
Net volume, L	25,5	55,5	92	170
Temperature range (+43°C AMB)	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C
Autonomy, hours (+43°C AMB)	82	72,4	72,5	73,4
Energy consumption - stable, kWh/24h	0.25	0.35	0.24	0.56
Energy consumption - cool down, kWh/24h	0.25	0.69	0.45	0.55
Refrigerant	R600a	R600a	R600a	R600a
Freeze protection, grade	A	A	A	A
Climate class	T	T	T	T
WHO PQS code	E003/069	E003/106	E003/107	E003/108
FEATURES				
Storage baskets, no. top	1	2	1	4
Storage baskets, no. bottom	0	1	1	0
Temperature control	Automatic	Automatic	Automatic	Automatic
Lock + keys	YES	YES	YES	YES
Junction box	YES	YES	YES	YES
Adjustable legs	YES, 10cm	YES, 10cm	YES, 10cm	YES, 10cm
Safety thermostat	YES	YES	YES	YES
Appliance plugs	E, F, G	E, F, G	-	-
Charging port	USB A 5V	USB A 5V	USB A 5V	USB A 5V
Industrial grade locking mechanism	YES	YES	YES	YES
EMS as option	YES	YES	YES	YES
LOADING QUANTITIES				
Qty. per 20' / 40' container	23 / 60	28 / 60	22 / 48	22 / 48
*incl. solar panels				



COLD CHAIN
EQUIPMENT

ICELINED COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS RF AC



DIMENSIONS		VLS 064 RF AC
Height, mm		910
Width, mm		720
Depth, mm with handle		700
Gross weight, kg (incl. packaging)		104,5
Net weight, kg		79
Packed dimensions HxWxD, mm		1025 x 785 x 727
Shipping volume m3		0,58
SPECIFICATIONS		
Gross volume, L		75
Net volume, L		52,5
Temperature range (+43°C AMB)		+2°C to +8°C
Icepack freezing capacity, kg/24h		1,6
Icepack storage capacity, pcs		6 x 0,6 L
Hold-over time, hours (+43°C AMB)		45
Energy consumption - stable, kWh/24h		0,63
Refrigerant		R600a
Freeze protection, grade		A
Climate class		T
WHO PQS code		E003/070
FEATURES		
Storage baskets, no		1
Temperature control		Automatic
Lock + keys		YES
Junction box		YES
Adjustable legs		YES, 10cm
Safety thermostat		YES
Appliance plugs		E, F, G
Industrial grade locking mechanism		YES
Fridge-tag 2E		YES
EMS as option		YES
LOADING QUANTITIES		
Qty. per 20' / 40' container		44 / 92
VOLTAGE REGULATION RANGE		
220-240V/50/60Hz		110-278V/50/60Hz
100-127V/50/60Hz		82-159V/50/60Hz



COLD CHAIN
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SOLAR COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS RF SDD



DIMENSIONS	VLS 026 RF SDD	VLS 056 RF SDD	VLS 076 RF SDD
Height, mm	950	950	950
Width, mm	1110	1110	1110
Depth, mm with handle	650	650	700
Gross weight, kg (incl. packaging)	141	133	162
Net weight, kg	110	100	125
Packed dimensions HxWxD, mm	1065 x 1168 x 677	1065 x 1168 x 677	1073 x 1338 x 725
Shipping volume m ³	0,84	0,84	1,04
REFRIGERATOR SPECIFICATIONS			
Gross volume, L	35	49	111
Net volume, L	20	36	61
Temperature range (+43°C AMB)	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C
Autonomy, hours (+43°C AMB)	73,2	72	89,32
Refrigerant	R600a	R600a	R600a
Freeze protection, grade	A	A	A
Climate class	T	T	T
WHO PQS code	E003/091	E003/092	E003/119
FREEZER SPECIFICATIONS			
Gross volume, L	34	34	34
Water pack storage capacity, L	29 x 0.6	29 x 0.6	29 x 0.6
Water pack freezing capacity, kg/24h	1.8	1.8	1.8
Temperature range (+43°C AMB)	-15° to -25°C	-15° to -25°C	-15° to -25°C
Refrigerant	R290 + R600a	R290 + R600a	R290 + R600a
FEATURES			
Storage baskets, no	1	1	2
Temperature control	Automatic	Automatic	Automatic
Lock + keys	YES	YES	YES
Junction box	YES	YES	YES
Adjustable legs	YES, 10cm	YES, 10cm	YES, 10cm
Safety thermostat	YES	YES	YES
Charging port	USB A 5V	USB A 5V	USB A 5V
Industrial grade locking mechanism	YES	YES	YES
EMS as option	YES	YES	YES
LOADING QUANTITIES			
Qty. per 20' / 40' container	13 / 36	13 / 36	10/30
*incl. solar panels			



COLD CHAIN
EQUIPMENT

SOLAR FREEZER SERIES

TEMPERATURE RANGE -15°C to -25°C

VLS SDD



DIMENSIONS		VFS 048 SDD
Height, mm		950
Width, mm		550
Depth, mm with handle		650
Gross weight, kg (incl. packaging)		73
Net weight, kg		58
Packed dimensions HxWxD, mm		1055 x 610 x 675
Shipping volume m3		0,43
SPECIFICATIONS		
Gross volume, L		34
Net volume, L		25.5
Autonomy, hours (+43°C AMB)		48
Energy consumption - stable, kWh/24h		N/A
Energy consumption - cool down, kWh/24h		N/A
Freeze protection, grade		A
Climate class		T
WHO PQS code		E003/099
FREEZER SPECIFICATIONS		
Water pack storage capacity, L		29 x 0.6
Water pack freezing capacity, kg/24h		1.6
Temperature range (+43°C AMB)		-15° to -25°C
Refrigerant		R290 + R600a
FEATURES		
Storage baskets, no		0
Temperature control		Automatic
Lock + keys		YES
Junction box		YES
Adjustable legs		YES, 10cm
Safety thermostat		YES
Charging port		USB A 5V
Appliance plugs		E, F, G
Industrial grade locking mechanism		YES
LOADING QUANTITIES		
Qty. per 20' / 40' container		23/60
*incl. solar panels		