COOLING UNITS

PROFESSIONAL SOLUTIONS FOR ALL INSTALLATION CONDITIONS

Refrigerated storage is required in many utility and emergency service vehicles. Quite often, however, there's simply no space to spare for it. The alternative is to use the available storage space. With components from the Dometic ColdMachine series you can convert compartments, drawers and all types of containers into customised refrigeration solutions.

The range includes cooling units in three performance categories. All units come with power-regulated high-tech compressors. Each performance category includes complementary evaporators in various shapes and sizes, all designed to match the capacity of the compressor fitted. For an improved energy balance, consider the combination with a cold accumulator.

Contents, specifications and availability are subject to change in the interests of technical improvement.

DOMETIC COLDMACHINE 55 PACKAGE 1

4.07

Cooling unit incl. L-evaporator

ColdMachine 55

VD-01

/ COOLING UNIT COLDMACHINE 55	
Voltage	12 / 24 V DC
Refrigerant	R134a, Refrigerant quantity: 35 g, CO_2 equivalent: 0.050 t, Global warming potential (GWP): 1430
Dimensions (W x H x D)	220 x 160 x 220 mm
Weight	6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate
/ L-EVAPORATOR	
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 80 l max. 100 l
Power input	35 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 1.46 Ah/h 1.17 Ah/h
System	Standard, L-shape evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	300 x 270 x 110 mm
Weight	1.5 kg

Product	Ref. No.
Dometic ColdMachine 55	9105306624
Dometic ColdMachine VD-01	9105306625
/ Optional extras	
Mains adapter, 110 – 240 V › 24 V	9600000445
Mains adapter EPS 100, 230 V › 24 V	9600000440

DOMETIC COLDMACHINE 55 PACKAGE 2

4.07

Cooling unit incl. O-evaporator

ColdMachine 55

VD-07

/ COOLING UNIT COLDMACHINE 55 SEE ABOVE	
/ O-EVAPORATOR	
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 100 l max. 130 l
Power input	35 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 1.46 Ah/h 1.17 Ah/h
System	Standard O-evaporator for horizontal or vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	275 x 240 x 25 mm
Weight	1 kg

Product	Ref. No.
Dometic ColdMachine 55	9105306624
Dometic ColdMachine VD-07	9105306628
/ Optional extras	
Mains adapter, 110 – 240 V › 24 V	9600000445
Mains adapter EPS 100, 230 V › 24 V	9600000440

DOMETIC COLDMACHINE SERIES 50

4.07

Cooling units

ColdMachine 54

ColdMachine 55

	ColdMachine 54	ColdMachine 55
Voltage	12 / 24 V DC	12 / 24 V DC
Refrigerant	R134a, Refrigerant quantity: 35 g, CO_2 equivalent: 0.050 t, Global warming potential (GWP): 1430	
Dimensions (W x H x D)	386 x 165 x 130 mm	220 x 160 x 220 mm
Weight	6 kg	6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	**Ref. No.**
Dometic ColdMachine 54	9105306623
Dometic ColdMachine 55	9105306624
/ Optional extras	
Mains adapter, 110 – 240 V › 24 V	9600000445
Mains adapter EPS 100, 230 V › 24 V	9600000440

DOMETIC COLDMACHINE EVAPORATORS FOR SERIES 50

4.07

Evaporators

VD-01

VD-02

	VD-01	VD-02
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 80 l max. 100 l	 max. 30 l max. 50 l
Power input	35 W	35 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 1.46 Ah/h 1.17 Ah/h	 1.31 Ah/h 1.02 Ah/h
System	Standard, L-shape evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m	Standard, plate evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	300 x 270 x 110 mm	275 x 240 x 25 mm
Weight	1.5 kg	1 kg

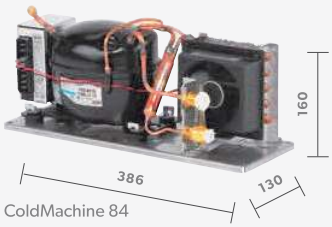
Product	**Ref. No.**
Dometic ColdMachine VD-01 L-evaporator (included in Package 1)	9105306625
Dometic ColdMachine VD-02 Plate evaporator	9105306627

Contents, specifications and availability are subject to change in the interests of technical improvement.

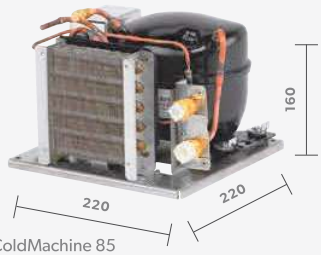
DOMETIC COLDMACHINE 80 SERIES

4.07

Cooling units



ColdMachine 84



ColdMachine 85

ColdMachine 86

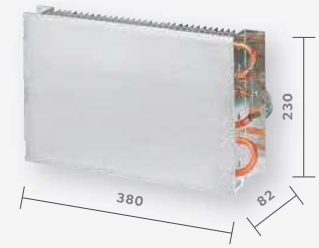
	ColdMachine 84	ColdMachine 85	ColdMachine 86
Voltage	12 / 24 V DC		
Refrigerant	R134a, Refrigerant quantity: 45 g, CO_2 equivalent: 0.064 t, Global warming potential (GWP): 1430		
Dimensions (W x H x D)	386 x 160 x 130 mm	220 x 160 x 220 mm	220 x 230 x 177 mm
Weight	6 kg	6 kg	6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate		

Product	Ref. No.
Dometic ColdMachine 84	9105306597
Dometic ColdMachine 85	9105306598
Dometic ColdMachine 86	9105306599
/ Optional extras	
Mains adapter, 110 – 240 V › 24 V	9600000445
Mains adapter EPS 100, 230 V › 24 V	9600000440
Air exhaust hood with counterpart and 2 m hose, for providing air circulation	9103540107

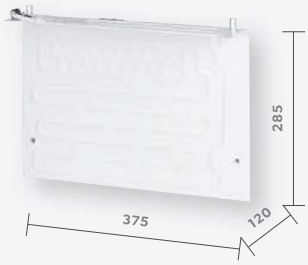
DOMETIC COLDMACHINE EVAPORATORS FOR SERIES 80

4.07

Evaporators



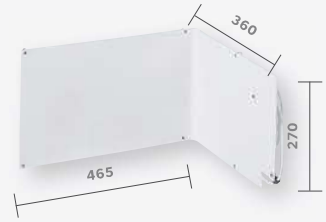
VD-03



VD-04

VD-05

VD-18



VD-08

	VD-03	VD-04	VD-05
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 170 l max. 200 l	 max. 130 l max. 170 l	 max. 130 l max. 170 l
Power input	50 W	45 W	45 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 1.88 Ah/h 1.46 Ah/h	 1.88 Ah/h 1.50 Ah/h	 1.88 Ah/h 1.50 Ah/h
System	Copper-aluminium fin evaporator with large surface due to the cooling fins, for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m	Standard, L-shape evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m	Standard plate evaporator, self-sealing valve couplings,flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	380 x 230 x 82 mm	375 x 285 x 120 mm	375 x 350 x 25 mm
Weight	2 kg	1.5 kg	1.5 kg

	VD-18	VD-08
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 100 l max. 150 l	 max. 160 l max. 180 l
Power input	45 W	60 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 1.88 Ah/h 1.50 Ah/h	 2.50 Ah/h 2.00 Ah/h
System	Standard plate evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m	Standard angle evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	375 x 250 x 25 mm	465 x 270 x 360 mm
Weight	1.5 kg	2.0 kg

Product	Ref. No.
Fin evaporator Dometic ColdMachine VD-03	9105306603
L-evaporator Dometic ColdMachine VD-04	9105306604
Plate evaporator Dometic ColdMachine VD-05	9105306605
Plate evaporator Dometic ColdMachine VD-18	9105306614
Angle evaporator Dometic ColdMachine VD-08	9105306607

Contents, specifications and availability are subject to change in the interests of technical improvement.

DOMETIC COLDMACHINE FOR SERIES 80

Evaporators

VD-09

VD-15

	VD-09	VD-15
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 160 l max. 180 l	 max. 200 l max. 250 l
Power input	60 W	60 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 2.50 Ah/h 2.00 Ah/h	 2.00 Ah/h 1.50 Ah/h
System	O-evaporator for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning dial and LED indicator, white plastic housing), electric supply cord approx. 3 m	High-performance circulating air evaporator in a white plastic housing, with brushless fan, fast cooling through circulating air operation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat integrated in the evaporator housing
Dimensions (W x H x D)	465 x 270 x 360 mm	220 x 275 x 80 mm
Weight	2.0 kg	2.0 kg

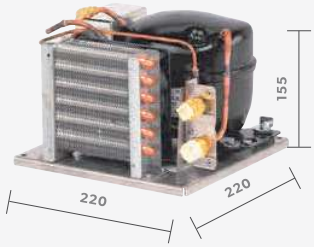
Product	Ref. No.
O-evaporator Dometic ColdMachine VD-09	9105306608
Circulating air evaporator Dometic ColdMachine VD-15	9105306612

DOMETIC COLDMACHINE SERIES 90

4.07

Cooling unit

ColdMachine 94



ColdMachine 95

ColdMachine 96

	COLDMACHINE 94	COLDMACHINE 95	COLDMACHINE 96
Voltage	12 / 24 V DC		
Refrigerant	R134a, Refrigerant quantity: 60 g, CO2 equivalent: 0.086 t, Global warming potential (GWP): 1430		
Dimensions (W x H x D)	386 x 155 x 130 mm	220 x 155 x 220 mm	220 x 230 x 177 mm
Weight	6 kg	6 kg	6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, AEO electronics		

Product	Ref. No.
Dometic ColdMachine 94	9105306600
Dometic ColdMachine 95	9105306601
Dometic ColdMachine 96	9105306602
/ Optional extras	
Mains adapter MPS 50, 110 – 240 V › 24 V	9600000441
Air exhaust hood with counterpart and 2 m hose, for providing air circulation	9103540107

Contents, specifications and availability are subject to change in the interests of technical improvement.

DOMETIC COLDMACHINE EVAPORATORS FOR SERIES 90

4.07

Evaporators

VD-14N

VD-16

VD-21

	VD-14N	VD-16
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 300 l max. 400 l	 max. 130 l max. 200 l
Power input	80 W	60 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 3.33 Ah/h 2.33 Ah/h	 2.75 Ah/h 2.00 Ah/h
System	High-performance circulating air evaporator, especially effective due to enlarged surface area. Radial fan with enhanced ventilation capacity, continuously variable room thermostat for optimal temperature distribution in the refrigeration compartment. Ease of installation with self-sealing valve couplings and flexible connection pipe (approx. 2.5 m). Sturdy, white plastic housing.	High-performance air circulating fin evaporator in a transparent plastic housing, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable deep-freeze thermostat integrated in the evaporator housing
Dimensions (W x H x D)	250 x 310 x 90 mm	330 x 280 x 145 mm
Weight	2.0 kg	2.5 kg

	VD-21
Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 250 l (normal refrigeration) / 100 l (deep-freezing) max. 300 l (normal refrigeration) / 150 l (deep-freezing)
Power input	60 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 2.50 normal l (refrigeration) / 3.00 l (deep-freezing) 2.00 normal l (refrigeration) / 2.00 l (deep-freezing)
System	Standard plate evaporator with large surface, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), for refrigeration and deep-freezing
Dimensions (W x H x D)	1373 x 305 x 10 mm
Weight	4.0 kg

Product	Ref. No.
Dometic ColdMachine VD-14N Circulating air evaporator	9105306609
Dometic ColdMachine VD-16 Air circulating deep-freeze evaporator	9105306613
Dometic ColdMachine VD-21 Plate evaporator	9105306615

DOMETIC COLDMACHINE CS-NC15

4.07

Compact cooling unit

Cooling capacities **with 35 mm PU insulation** **with 50 mm PU insulation**	 max. 200 l max. 250 l
Voltage	12 / 24 V DC
Power input	60 W
Current consumption **with 35 mm PU insulation** **with 50 mm PU insulation**	 2.00 Ah/h 1.50 Ah/h
Refrigerant	R134a, Refrigerant quantity: 60 g, CO_2 equivalent: 0.086 t, Global warming potential (GWP): 1430
System	Fully hermetic compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, high-performance air circulating fin evaporator in white plastic housing with brushless fan, rapid chill capability with circulating air operation
Weight	8.5 kg

Product	Ref. No.
Dometic ColdMachine CS-NC15	9105306593