

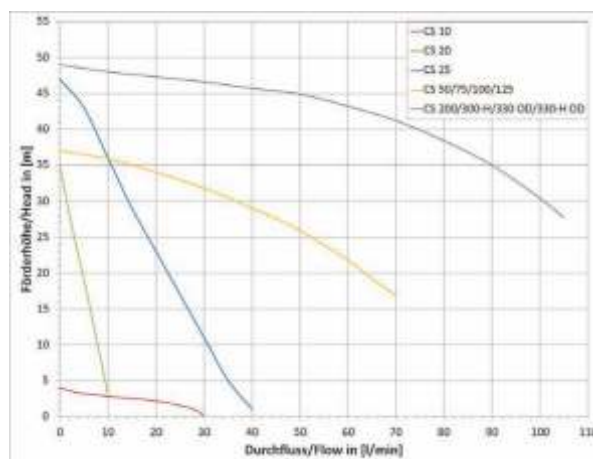
# TECHNICAL DATA:

## YOUR ADVANTAGES:

- ▶ Economic and ecological solution to eliminate costly water waste
- ▶ Easy to use and maintenance free
- ▶ Quiet operation less than 78 db
- ▶ Budget friendly purchasing price

## PERFECT COOLING SOLUTION FOR MANY APPLICATIONS, SUCH AS:

- ▶ Rotary evaporators
- ▶ Electron microscopy
- ▶ AAS-devices
- ▶ ICP-devices
- ▶ Extraction
- ▶ Distillation
- ▶ and many more



Articel No.	Model	Temp. Range (°C)	Pump capacity max. / pump connection			Cooling Power (kW) @ (°C)					Heating Power (kW)	Noise Level (db)	Dimensions W x D x H (mm)	Voltage
			(l/min)	(bar)		15	10	0	-10	-20				
1-101293	CS 10	-20...+15	30	0.4	3/8"	1.2	1.0	0.5	0.25	0.15	-	50	430 x 470 x 695	230V 1~ 50Hz
1-101106	CS 20	-20...+15	10	3.5	3/8"	2.2	2.0	1.3	0.9	0.5	-	67	530 x 580 x 750	230V 1~ 50Hz
1-101107	CS 25	-20...+15	40	4.5	1/2"	3.5	2.5	1.6	0.98	0.7	-	60	580 x 660 x 825	230V 1~ 50Hz
1-101108	CS 50	-20...+15	70	3.7	3/4"	8.0	5.0	4.2	3.5	2.0	-	63	680 x 730 x 1520	400V 3~ 50Hz
1-101109	CS 75	-20...+15	70	3.7	3/4"	9.0	7.5	5.5	3.0	2.4	-	66	800 x 850 x 1665	400V 3~ 50Hz
1-101104	CS 100	-20...+15	70	3.7	3/4"	18	10	9.5	7.5	4.5	-	70	800 x 850 x 1665	400V 3~ 50Hz
1-101110	CS 125	-20...+15	70	3.7	3/4"	17	12.5	12	9	6	-	75	1400 x 1000 x 1800	400V 3~ 50Hz
1-101105	CS 200	-20...+15	105	4.7	1"	28	20	18	15	9.5	-	78	1400 x 1000 x 1800	400V 3~ 50Hz
4-100096	CS 200-H	-20...+85	105	4.7	1"	28	20	18	15	9.5	5.5	78	1400 x 1000 x 1800	400V 3~ 50Hz
32-100107	CS 330 OD	-20...+15	105	4.7	1"	42	35	25	17	11	-	78	1400 x 1000 x 1800	400V 3~ 50Hz
4-100097	CS 330-H OD	-20...+85	105	4.7	1"	42	35	25	17	11	8	78	1400 x 1000 x 1800	400V 3~ 50Hz
32-100112	CS 550 OD	-20...+15	105	4.7	1"	70	60	33	20	12	-	77	1400 x 1000 x 1800	400V 3~ 50Hz

\* All models are aircooled and with refrigerant R449A.

H = Heating OD = Outdoor

# PRODUCT OVERVIEW

## STANDARD KÜHLMOBIL AIR-COOLED



Model	Article No.	Cooling Capacity (W) at			Pump max.		T L
		20 °C	10 °C**	0 °C**	bar	l/m	
COOL-CARE®	1-100138	180	140	95	0.15	10	1.6
COOL-CARE®-16	1-100153	180	140	95	0.4	28	1.6
COOL-AIR	6-100000	500 W at 35° C PT and 25° C AT			3.5	10	5
COOL-AIR-30	6-100004	3000 W at 45° C PT and 25° C AT			3.5	10	5
MINORE® 0-A-RB400	1-100856	300	210	180	0.4	28	5
MINORE® I-A-RB400	1-100857	350	250	150	0.4	28	5
MINORE® II-A-RB400	1-100858	500	400	270	0.4	28	5
0000-A-RB400	1-100859	600	450	300	0.4	28	5
0001-A-RB400	1-100860	600	450	300	3.5	10	5
0002-A-RB400	1-100861	800	620	400	0.4	28	5
0004-A-RB400	1-100862	800	620	400	3.5	10	5
000-A-RB400	1-100863	1000	800	500	0.4	28	5
002-A-RB400	1-100864	1000	800	500	3.5	10	5
010-A-RB400	1-100011	1200	850	560	3.5	10	15
101-A-RB400	1-100012	1500	1100	750	3.5	10	15
111-A-RB400	1-100200	1900	1250	850	3.5	10	15
121-A-RB400	1-100014	2100	1500	1150	3.5	10	15
132-A-RB400	1-100015	2400	1750	1200	3.5	10	15
142-A-RB400	1-100309	2900	2000	1300	4.5	27	25
210-A-B400	1-100403	3200	2400	1600	4.5	27	100
221-A-B400	1-100462	3900	3200	2100	4.5	27	100
311-A-B400	1-100228	4300	3400	2200	4.5	27	100
312-A-B400	1-100021	5000	4300	3100	5.5	66	100
313-A-B400	1-100287	5400	4800	3600	5.5	66	100
322-A-B400	1-100023	6000	4800	3300	5.5	66	100
423-A-B400	1-100024	7000	5200	3600	5.5	66	200
424-A-B400	1-100025	7700	5900	4000	5.5	66	200
433-A-B400	1-100026	8300	6500	4900	5.5	66	200
442-A-B400	1-100379	9500	8000	5200	5.5	66	200
512-A-B400	1-100405	10000	8300	5500	5.5	66	200
513-A-B400	1-100243	11500	9300	6600	5.5	66	200
531-A-B400	1-100433	12500	10800	8000	5.5	66	200
534-A-B400	1-100031	14500	12200	9100	5.5	66	200
543-A-B400	1-100032	16000	13200	9800	5.6	100	225
544-A-B400	1-100033	18000	15200	11000	5.6	100	250
549-A-B400	1-100439	20000	16500	11600	5.6	100	250
615-A-B400	1-100035	23800	19000	14000	5.6	100	250
626-A-B400	1-100036	28500	21000	16000	5.6	100	250
627-A-B400	1-100037	32000	25000	18000	5.6	100	250
634-A-B400	1-100288	38500	31000	23000	5.6	100	250

\* at buyer's option

\*\* selectable for KÜHLMOBIL VDH-series

Van der Heijden Labortechnik GmbH / cool solutions - your advantage

## STANDARD KÜHLMOBIL WATER-COOLED

Model	Article No.	Cooling Capacity (W) at			Pump max.		T L
		20 °C	10 °C	0 °C	bar	l/m	
MINORE® 0-W-RB400	2-100271	300	210	180	0.4	28	5
MINORE® I-W-RB400	2-100272	350	250	150	0.4	28	5
MINORE® II-W-RB400	2-100273	500	400	270	0.4	28	5
0002-W-RB400-MT	2-100000	300 W at -15°C			3.5	10	3.5
0000-W-RB400	2-100274	600	450	300	0.4	28	5
0001-W-RB400	2-100275	600	450	300	3.5	10	5
0002-W-RB400	2-100276	800	620	400	0.4	28	5
0004-W-RB400	2-100277	800	620	400	3.5	10	5
000-W-RB400	2-100278	1000	800	500	0.4	28	5
002-W-RB400	2-100279	1000	800	500	3.5	10	5
010-W-RB400	2-100280	1200	850	560	3.5	10	15
101-W-RB400	2-100281	1500	1100	750	3.5	10	15
111-W-RB400	2-100282	1900	1250	850	3.5	10	15
121-W-RB400	2-100283	2100	1500	1150	3.5	10	15
132-W-RB400	2-100284	2400	1750	1200	3.5	10	15
142-W-RB400	2-100285	2900	2000	1300	4.5	27	25
210-W-B400	2-100286	3200	2400	1600	4.5	27	100
221-W-B400	2-100287	3900	3200	2100	4.5	27	100
311-W-B400	2-100288	4300	3400	2200	4.5	27	100
312-W-B400	2-100289	5000	4300	3100	5.5	66	100
313-A-B400	2-100290	5400	4800	3600	5.5	66	100
322-W-B400	2-100291	6000	4800	3300	5.5	66	100
423-W-B400	2-100292	7000	5200	3600	5.5	66	200
424-W-B400	2-100293	7700	5900	4000	5.5	66	200
433-W-B400	2-100294	8300	6500	4900	5.5	66	200
442-W-B400	2-100295	9500	8000	5200	5.5	66	200
512-W-B400	2-100296	10000	8300	5500	5.5	66	200
513-W-B400	2-100297	11500	9300	6600	5.5	66	200
531-W-B400	2-100298	12500	10800	8000	5.5	66	200
534-W-B400	2-100299	14500	12200	9100	5.5	66	200
543-W-B400	2-100300	16000	13200	9800	5.6	100	225
544-W-B400	2-100301	18000	15200	11000	5.6	100	250
549-W-B400	2-100302	20000	16500	11600	5.6	100	250
615-W-B400	2-100303	23800	19000	14000	5.6	100	250
626-W-B400	2-100304	28500	21000	16000	5.6	100	250
627-W-B400	2-100305	32000	25000	18000	5.6	100	250
634-W-B400	2-100306	38500	31000	23000	5.6	100	250

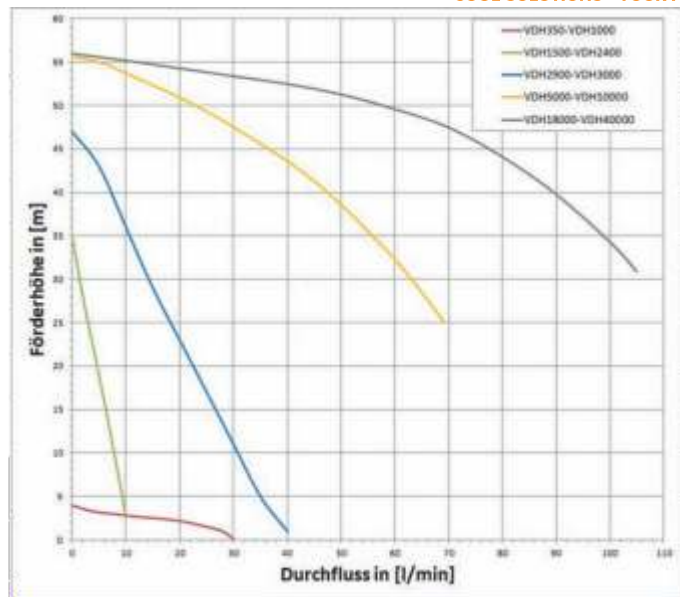
\* at buyer's option

\*\* selectable for KÜHLMOBIL VDH-series

# TECHNICAL DATA:

## FEATURES AND ADVANTAGES:

- ▶ Models are based on the best-selling cooling capacities
- ▶ Versatile temperature range down to 0 °C
- ▶ Stability between +1 °C up to +1.5 °C
- ▶ Tap water savings 100%
- ▶ Adjustable cooling water temperature
- ▶ Constant water quality / pressure
- ▶ Relatively quiet up to 5 kW and many more



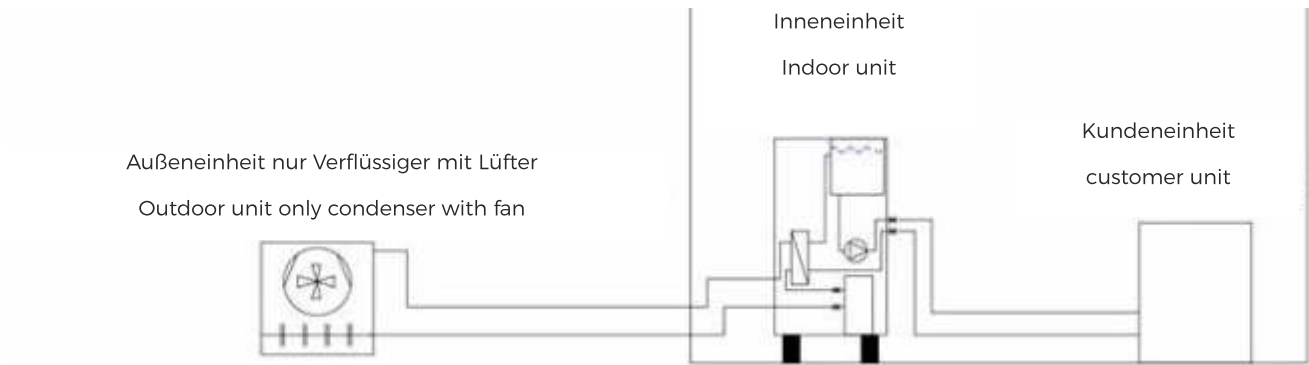
## PERFECT COOLING FOR MANY APPLICATIONS:

- ▶ Rotary evaporator
- ▶ Water baths
- ▶ Cooling of general laboratory accessories
- ▶ Cooling of instruments
- ▶ Primary cooling
- ▶ and many more

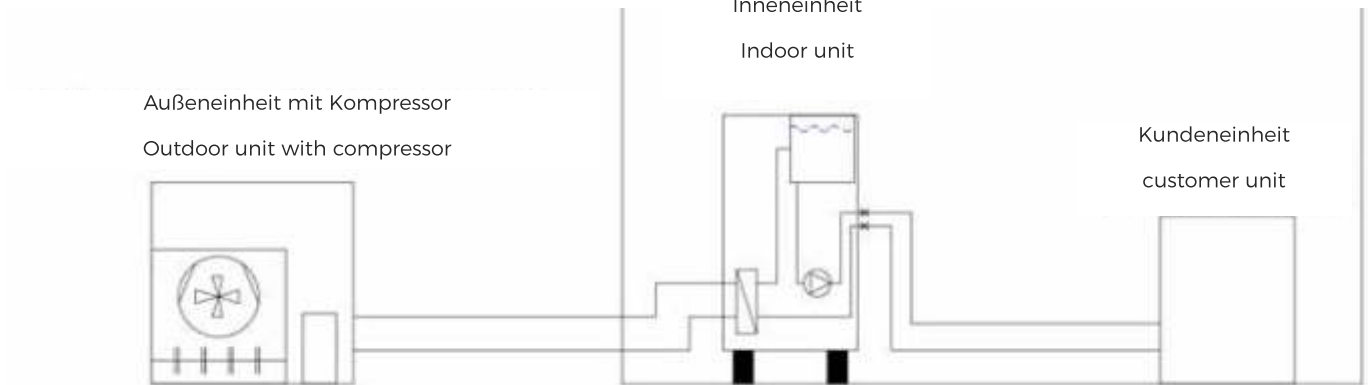
Article No.	Air-cooled models	Pump capacity max.		Cooling capacity (Watt)			Temperature range (°C)	Dimensions W x D x H (mm)	Voltage
		(l/min)	(bar)	20°C	10°C	0°C			
1-100945	VDH350A	28	0.4	350	250	150	0...+22	360 x 470 x 590	230V 1~ 50Hz
1-100946	VDH600A	28	0.4	600	450	300	0...+22	360 x 470 x 590	230V 1~ 50Hz
1-100947	VDH1000A	28	0.4	1000	800	500	0...+22	430 x 470 x 695	230V 1~ 50Hz
1-100948	VDH1500A	10	3.5	1500	1100	750	0...+22	530 x 580 x 750	230V 1~ 50Hz
1-100949	VDH2400A	10	3.5	2400	1750	1200	0...+22	530 x 580 x 750	230V 1~ 50Hz
1-100950	VDH2900A	40	4.5	2900	2000	1300	0...+22	580 x 660 x 825	230V 1~ 50Hz
1-100951	VDH3000A	40	4.5	3000	2200	1500	0...+22	590 x 620 x 1205	400V 3~ 50Hz
1-100952	VDH5000A	66	5.5	5000	4300	3100	0...+22	680 x 730 x 1520	400V 3~ 50Hz
1-100953	VDH7000A	66	5.5	7000	5200	3600	0...+22	800 x 850 x 1665	400V 3~ 50Hz
1-100954	VDH10000A	66	5.5	10000	8300	5500	0...+22	800 x 850 x 1665	400V 3~ 50Hz
1-100955	VDH18000A	100	5.6	18000	15200	11000	0...+22	1400 x 1000 x 1800	400V 3~ 50Hz
1-100956	VDH35000A	100	5.6	35000	26000	18000	0...+22	1400 x 1000 x 1800	400V 3~ 50Hz
1-100957	VDH40000A	100	5.6	38500	31000	23000	0...+22	1400 x 1000 x 1800	400V 3~ 50Hz

## POSSIBILITIES OF DIFFERENT SPLIT SOLUTIONS

### VERSION 1



### VERSION 2



### VERSION 3



## ADVANTAGES OF THE SPLIT SOLUTIONS

- ▶ no noise in the lab
- ▶ no waste heat in the laboratory
- ▶ energetically sensible
- ▶ no space problems
- ▶ individually
- ▶ and many more

# REMOTE CONTROL OPTIONS FOR MINORE® AND KÜHLMOBIL MODELS

## DESCRIPTION

- \* Magnetic Coupled Pump
- \* Increased Stability Control  $\pm 0.1^{\circ}\text{C}$
- \* Digital Flow Indicator
- \* Dirt Filter <0.25mm House Water Net
- \* Dirt Filter <0.25mm Application Side
- \* Auto Bypass
- \* Auto Refill
- \* Easy Tank Emptying
- \* Increased Pump Power
- \* Switch On Control
- \* Overfill Protection



<b>ACCESSORIES</b>		
1 bottle „Thermoclean DC“ algaecide free, 50 ml		00401
Filter cartridge Oyxster® for the elimination of algae without using chemical substances, (possible for additional installation)		00502
HKF10 canister, 10 L, Thermal heat transfer fluid		03672
HKF10 canister, 25 L, Thermal heat transfer fluid		03673
Water hose, flexible and lightproof without hose clamps, convenient for hose sockets, 3/8" – 9 x 3;		08265
Water hose, flexible and lightproof without hose clamps, convenient for hose sockets, 1/2" – 13 x 3.5;		08266
Water hose, flexible and lightproof without hose clamps, convenient for hose sockets, 3/4" – 19 x 4;		50250
Water hose, flexible and lightproof without hose clamps, convenient for hose sockets, 1" – 25 x 4.5;		50251
<b>ELECTRONIC POWER CONTROL</b>		
Electronic power control for keeping the water supply temperature constant at 0.1 K / min. Microprocessor control with setpoint and actual value display on units:	< 3.5 kW	1A
	< 6 kW	1B
	< 12.5 kW	1C
	< 40 kW	1D
Electronic power control, microprocessor-controlled, for constant flow temperature (only valid for type COOL-CARE® and types MINORE® 0 - II)		8
<b>DIGITAL FLOW DISPLAY</b>		
Digital flow display in l / min. Readable from the front of the control unit, up to 10 l / min.		4
<b>DIRT FILTER</b>		
Dirt filter with sieve insert <0.25 mm, primary side in the water inlet	3/8"	5A
	1/2"	5B
	3/4"	5C
	1"	5D
Dirt filter with sieve insert <0.25 mm in the, water supply, easily accessible from outside	3/8"	6A
	1/2"	6B
	3/4"	6C
	1"	6D
<b>AUTOMATIC BYPASS VALVE</b>		
Automatic bypass valve between water supply and return, which opens automatically when the set pressure is exceeded (opening pressure bar)	3/8"	7A
	1/2"	7B
	3/4"	7C
	1"	7D
	1 1/4"	7E
	1 1/2"	7F
Multiple manifold, 2-fold with 4 ball valves	3/8"	22/2A
	1/2"	22/2B
	3/4"	22/2C
	1"	22/2D
Multiple manifold, 3-fold with 6 ball valves	3/8"	22/3A
	1/2"	22/3B
	3/4"	22/3C
	1"	22/3D
Multiple manifold, 4-fold with 8 ball valves	3/8"	22/4A
	1/2"	22/4B
	3/4"	22/4C
	1"	22/4D
	3/8"	22/4A