



Water chiller

Version: 2011-01

for individual cooling solutions for all applications in international machine engineering.

- suited to ambient temperatures up to 37°C
- cooling capacity from 2 to 100 kW
- compact design with high level of temperature precision
- environmentally-friendly refrigerant
- state-of-the-art compressor technology
- temperature regulated by digital thermostat
- housing frame in stainless steel
- plastic or stainless steel tank
- complete range of RAL colours available for wall
- available on request for ambient temperature of 32°C or 42°C



We reserve the right to make changes which are in the interest of technical progress.

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Chiller-VWK20-1



Water chiller

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Cooling capacity (at ambient temperature 37° C)

<i>Air</i>	Δ <i>Water</i>	VWK20/1	VWK30/1	VWK50/1	VWK70/1
	10° C	1850 W	2850 W	5150 W	6000 W
37° C	15° C	2250 W	3650 W	6150 W	7200 W
	20° C	2650 W	4150 W	6750 W	7900 W
Order-Number:		XB0.020.014	XB0.020.013	XB0.020.019	XB0.020.016

<i>Air</i>	Δ <i>Water</i>	VWK90/1	VWK110/1	VWK140/1	VWK180/1
	10° C	9100 W	10900 W	13100 W	16700 W
37° C	15° C	10700 W	13000 W	15700 W	20000 W
	20° C	11800 W	14400 W	17200 W	21700 W
Order-number:		XB0.020.017	XB0.020.021	XB0.020.020	XB0.020.022

<i>Air</i>	Δ <i>Water</i>	VWK220/1	VWK270/1	VWK320/1	VWK360/1
	10° C	20200 W	23900 W	29600 W	33400 W
37° C	15° C	23900 W	28200 W	34900 W	40000 W
	20° C	25600 W	31100 W	37900 W	43500 W
Order-number:		XB0.020.032	XB0.020.048	XB0.020.041	XB0.020.015

<i>Air</i>	Δ <i>Water</i>	VWK440/1	VWK540/1	VWK640/1
	10° C	40500 W	47900 W	59200 W
37° C	15° C	47800 W	56500 W	69800 W
	20° C	51300 W	62400 W	75900 W
Order-number:		XB0.020.018	XB0.020.049	XB0.020.050

We also deliver water chillers for ambient temperature 32° C or 42° C!

For any inquiry, please contact our consulting engineer 0049 (0) 7062 9066-0

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Chiller-VWK20-2



Water chiller

Version: 2011-01

Technical Data:

	VWK20/1	VWK30/1	VWK50/1	VWK70/1	VWK90/1	VWK110/1	VWK140/1	
VWK180/1								
max. power consumption compressor	1.4 W	2.0 W	2.6 W	3.1 W	4.3 W	5.9 W	6.2 W	7.9 W
max. power consumption total	2.6 W	3.4 W	4.0 W	4.7 W	6.1 W	7.9 W	8.9 W	10.6 W
max. current consumption total	4.8 A	6.2 A	7.1 A	8.1 A	10.6 A	13.9 A	15.4 A	18.7 A
Air capacity (m³/h)	2800	4500	4500	4500	5500	6100	9300	9300
Water tank content	90 l	90 l	90 l	120 l	120 l	120 l	300 l	300 l
Pre-pressure pump	3.4 bar	3.4 bar	3.4 bar	3.8 bar	3.8 bar	3.8 bar	4.2 bar	4.2 bar
at displacement vol.	1.5 m³/h	1.5 m³/h	1.5 m³/h	2.0 m³/h	2.0 m³/h	2.0 m³/h	3.5 m³/h	3.5 m³/h
Water connections forward/return	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"
Water connections Fresh water	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Dimensions:								
Width	715 mm	715 mm	715 mm	715 mm	715 mm	715 mm	1000 mm	1000 mm
Length	715 mm	715 mm	715 mm	715 mm	715 mm	715 mm	1000 mm	1000 mm
Height	1375 mm	1375 mm	1375 mm	1375 mm	1375 mm	1375 mm	2000 mm	2000 mm
Empty weight	170 kg	170 kg	180 kg	190 kg	200 kg	200 kg	320 kg	370 kg
Connection voltage:	3 / PE / 400 V / 50 Hz							

	VWK220/1	VWK270/1	VWK320/1	VWK360/1	VWK440/1	VWK540/1	
VWK640/1							
max. power consumption compressor	9.7 W	11.1 W	15.5 W	15.8 W	19.4 W	22.2 W	31.0 W
max. power consumption total	12.4 W	14.2 W	18.9 W	21.2 W	24.8 W	28.4 W	37.2 W
max. current consumption total	21.3 A	25.0 A	32.2 A	37.7 A	42.9 A	50.3 A	63.1 A
Air capacity (m³/h)	9300	11000	12600	18600	18600	22000	25200
Water tank content	300 l	300 l	300 l	500 l	500 l	500 l	500 l
Pre-pressure pump	4.2 bar	4.2 bar	4.2 bar	4.0 bar	4.0 bar	4.0 bar	4.0 bar
at displacement volume	3.5 m³/h	3.5 m³/h	3.5 m³/h	8.0 m³/h	8.0 m³/h	8.0 m³/h	8.0 m³/h
Water connections forward/return	1"	1"	1"	2"	2"	2"	2"
Water connections Fresh water	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Dimensions:							
Width	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
Length	1000 mm	1000 mm	1000 mm	2000 mm	2000 mm	2000 mm	2000 mm
Height	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
Empty weight	400 kg	400 kg	410 kg	740 kg	800 kg	800 kg	810 kg
Connection voltage:	3 / PE / 400 V / 50 Hz						

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Chiller-VWK20-3