

## Varm Commercial Hot Water Series

R410A, an environmentally friendly refrigerant, is used in commercial hot water heat pumps.

They are frequently used for hygienic hot water in home and business settings. It can consistently deliver 55 °C (Max 60 °C) hot water 24 hours a day and works effectively in temperatures above -25 °C.



R410A  
REFRIGERANT



OPERATING TEMPS  
-25~43 °C



MAX OUTLET  
WATER 60 °C



18 kW



36 kW



53 kW



86 kW - 108 kW





Varmeks Model		VM-0MC3210018	VM-0MC3210036	VM-0MC3210053	VM-0MC3210086	VM-0MC3210108	VM-0MC3210172	
Heating capacity (20 °C)	kW	17,8	35,5	52,5	86	108	172	
Nominal heating capacity (7 °C)	kW	12	24	34,5	53	63	126	
COP	W/W	3,9	3,9	4,1	4,1	4,1	4,1	
Nominal heated water output	L/h	383	763	1129	1849	2322	3698	
Rated hot water temp	°C	55	55	55	55	55	55	
Power supply	380V 3N~/50Hz							
Anti-electric shock rate	I							
IP grade (Level of Protection)	IPX4							
Compressor brand	Copeland							
Compressor qty		1	2	1	2	2	4	
Refrigerant	R410A							
Working ambient temp	°C	-25~43 °C						
Noise	dB(A)	≤ 56	≤ 60	≤ 60	≤ 62	≤ 62	≤ 69	
Rated water circulation	m <sup>3</sup> /h	3,06	6,11	9,03	14,79	18,58	29,58	
Diameter of pipe		G1" (female thread)	G1-1/2" (female thread)	G1-1/4" (male thread)	DN65 (flange)	DN65 (flange)	DN65 (flange)	
Product size	Length	mm	750	1480	1020	2080	2080	2400
	Width	mm	805	917	980	1000	1000	1300
	Height	mm	1165	1070	1870	1900	1900	2350

**Nominal Working Condition:** Dry bulb temperature 7 °C , Wet bulb temperature 6 °C , Inlet water temperature 9 °C , Outlet water temperature 55 °C .

\*For only heating

\*There is no circulation pump.