



# CHV SERIES

COMMERCIAL WATER & AIR HEATING & COOLING SYSTEM



# CHV SERIES

COMMERCIAL WATER & AIR HEATING & COOLING SYSTEM



<b>Air operation range</b>	-7°C to 43°C
<b>Water operation range</b>	7°C to 55°C
<b>Used for</b>	Commercial: water & air heating/cooling
<b>Suitable for</b>	Hotels and resorts, commercial buildings, sporting & leisure facilities, industrial liquid heating and chilling applications



Heating



Cooling



## HEAVY DUTY HEATING & COOLING PERFORMANCE

EVO's CHV series is designed to handle even the largest water or air heating/chilling requirements. It's Monobloc design allows multiple units to be connected in parallel to meet the requirements of commercial and industrial applications regardless of size. The CHV series will heat water to 55°C and chill to 7°C in ambient air temperature ranges of -7°C to 43°C.

### V STYLE EVAPORATOR DESIGN

The V-shape air exchanger extends the heat exchanging surface, improving the units work efficiency.

### EST HIGH EFFICIENCY HEAT EXCHANGER

With the EST high efficiency heat exchanger, the CHV Series guarantees the highest efficiency.

### BLUETEC COATED CONDENSER

EvoHeat's Bluetec hydrophilic coating on the condensor fins is the latest technology in corrosion protection allowing your new heat pump to maintain it's high efficiency for many years to come. The corrugated, louvered fin extends the heat exchange surface, resulting in more contact with the inlet air and improved efficiency of the evaporators.

### REVERSE CYCLE

The CHV series is reverse cycle, providing both heating or cooling.



## LCD TOUCH SCREEN

Includes a LCD touch screen remote control with 10m lead

## FLEXIBLE AND CUSTOMISABLE

THE CHV Monobloc design means that multiple CHV Series heat pumps can operate together, to manage the heating for any type of commercial or industrial facility. They have a compact design with easy maintenance access.

## HARD WEARING AND HEAVY DUTY

THE CHV Series has a fully galvanised, powder-coated steel frame, with a stainless steel upgrade option available.

## PREINSTALLED WATER CIRCULATION PUMP

The CHV series comes with a preinstalled Wilo Water circulation pump.

## ANTI-FREEZE PROTECTION

The CHV Series has anti-freezing protection to ensure stable operation and large supply of hot water and heating for commercial applications.

MODEL		CHV38	CHV50	CHV70	CHV140
Cooling Capacity	kW	31.0		65.0	
Heating	kW	37.5		70.0	
Cooling Power Input	kW	10.9		23.1	
Heating Power Input	kW	11.5		23.5	
Running Current (Cooling/Heating)	A	19.5/20.6		41.2/41.7	
Power Supply	V/Ph/Hz	415/3/50		410/3/50	
Compressor Quality		2		4	
Compressor		Scroll		Scroll	
Fan Quality		2		3	
Noise	dB(A)	60		63	
Water Pump Input	kW	0.75		1.85	
Water Head	m	18		35	
Water Connection	"	1.5		2.5	
Water Flow Volume	m <sup>3</sup> /h	5.8		10.5	
Water Pressure Drop	kPa	38		38	
Min/Max Operating Air Temp Range	°C	-7 to 43		-7 to 43	
Min/Max Operating Water Temp	°C	7 to 55		7 to 55	
Unit Weight	kg	305		735	
Shipping Weight	kg	340		765	
Unit Dimensions (diameter/H)	mm	1490/735/1130		2050/900/1820	
Shipping Dimensions (L/W/H)	mm	1570/815/1270		2200/1180/2060	

\* Cooling: ambient temp: 30°C/24°C, Inter/Outlet water temp: 12°C/7°C; Heating: Ambient temp: 7°C/6°C, Inter/outlet water temp: 40°C/45°C





# COMPANY PROFILE

At EVO we strive for development and change, a constant progression in our products and systems.

Everything starts with the right advice. Our focus is on you, and your exclusive heating needs.

Our overriding principle has always been to excel in introducing the latest technology,

What is exclusive to EvoHeat is exclusive to you!

Products made to the highest standard – Materials like Titanium, environmentally responsible R410a refrigerant and an overall standard that has gained ISO9001 and other International Standard certifications.

## PEACE OF MIND IS A STANDARD FEATURE

EvoHeat is 100% Australian owned and is a leading specialist supplier of heat pumps for domestic and commercial pool applications.

Evo technology leads the world in energy savings and environmental responsibility. We care for our environment!. Evo is registered under the Australian Government's Ozone Protection and Synthetic Greenhouse Gas Act.

Evo has the product range and the capability to supply even the largest liquid heating and cooling requirements. Applications as diverse as domestic and commercial hot water, industrial water heating and cooling, aquaculture and agriculture are met with a complete range of products that exceed client expectations every time.



1300 859 933 | [info@evoheat.com.au](mailto:info@evoheat.com.au)  
[www.evoheat.com.au](http://www.evoheat.com.au)

ISO9001

ROHS



CB

CE



EMCcertified  
Production accredited