

# CA 1131-1921

## *Air Cooled Chillers*

**2 or 3 x scroll compressors, 1 x refrigerant circuit**

**Cooling capacity: 131 to 238 kW**

### **Benefits:**

- **Flexible functioning:** ambient air temperatures from -20°C up to +46°C ; suitable for indoor or outdoor installation
- **Reduced energy absorption and lower noise levels:** scroll compressors
- **High efficient heat exchange:** stainless steel brazed plate evaporator
- **Optimal flow:** internal water circulation pump
- **Temperature stability and low thermal dispersion:** internal galvanized and insulated tank
- **Eco-compatible:** green refrigerant R407C



The CA Series chillers provide low temperature water independent from any ambient condition. The range, designed for application in all the industrial sectors, assures maximum flexibility and energy efficient functioning.

**Safe functioning:** high and low pressure switches, high and low pressure gauges, metal filters on condensers, flow switch. The **microprocessor control** displaying key water temperature and alarms. Quick start-up operations.

# Aquatech

A Piovan Company

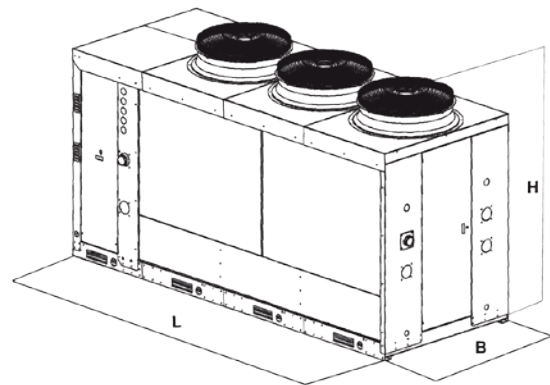
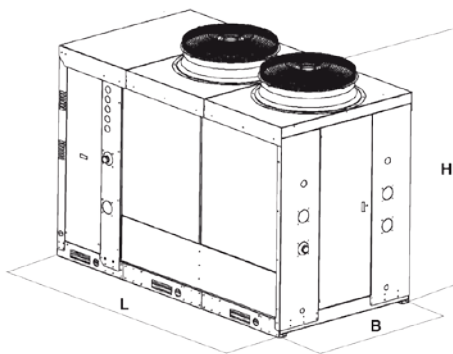
 [aquatech.piovan.com](http://aquatech.piovan.com)



Internal tank with relief valve and make-up valve. Internal pump. Stand-by pump ready



Complete protection from atmospheric agents and reduced noise level. Double door for maximum insulation of the electric cabinet.



TECHNICAL DATA		CA1131MT	CA1131HT	CA1431MT	CA1431HT	CA1921MT	CA1921HT
Cooling capacity T in/out 20-15°C T amb 25°C	kcal kW	"112,660 131"	"120,400 140"	"135,880 158"	"146,200 170"	"191,780 223"	"204,680 238"
Absorbed power 15°C - 25°C	kW	31,2	29,25	366	345	49,1	45,6
EER 15°C -25°C		4,20	4,80	4,32	4,93	4,54	5,22
Water Pump Low pressure	mc/h bar kW			"0/36 3.15/1.90 3.0"	"0/36 3.15/1.90 3.0"	"24/66 3.25/2.25 5.5"	"24/66 3.25/2.25 5.5"
Water Pump Medium pressure	mc/h bar kW	"0/28 3.90/2.80 4.0"	"0/28 3.90/2.80 4.0"	"0/33 4.85/3.75 5.5"	"0/36 5.80/4.50 7.5"	"24/72 3.80/2.70 7.5"	"24/72 3.80/2.70 7.5"
Water Pump High pressure	mc/h bar kW	"0/36 5.80/4.50 7.5"	"0/36 5.80/4.50 7.5"	"12/36 7.30/5.50 11.0"	"12/36 7.30/5.50 11.0"	"24/72 5.45/3.70 11.0"	"24/72 5.45/3.70 11.0"
Fans	N.	2	3	2	3	3	4
Water connections Gruvlock (in/out)	inch	2 1/2	2 1/2	2 1/2	2 1/2	3	3
Weight	kg	1370	1440	1400	1540	1650	1800
Dimensions (mm)	L	"2850	"3850	"2850	"3850	"3850	"4850
	B	1500	1500	1500	1500	1500	1500
	H	2230	2230	2230	2230	2230	2230
	L1	640	640	640	640	640	640
	L2	265	265	265	265	265	265
	H1	1060	1060	1060	1060	1060	1060
	H2	765"	765"	765"	765"	765"	765"

Data are referred to the following conditions: R407C gas, 400/3/50Hz power supply, installed at sea level and working in proper conditions according to Aquatech instruction manual. EER includes compressors & fans.