



# PACKAGED WATER CHILLERS

Nominal Capacities 10 to 115 kW.

AUSTRALIAN MADE WEATHERPROOF AIR COOLED CHILLERS

## INDUSTRY APPLICATIONS

AIR CONDITIONING  
COOLROOMS  
PLASTICS  
WINERIES  
DAIRIES  
FRUIT JUICE  
ELECTROPLATING  
PRINTING  
DRY CLEANING  
CONSTRUCTION  
DISTILLERIES  
SEAFOOD  
CHEMICAL  
LASERS  
AQUA CULTURE  
BAKERIES



Suitable for Water  
Chilling down to 4°C  
Glycol or Ethanol – Water  
down to -10°C

UNITS CAN BE SUPPLIED WITH VARIOUS CONFIGURATIONS:

- Built in Water Tank
- Single or Dual Pumps
- Water Cooled Condensers (CW units)
- Heat Recovery Condensers (CAH units)
- Condensing Units for Remote Evaporators (CU units)

 Fluid Chillers  
Australia

 Multi Air Australia

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# Packaged Water Chillers - Condensed Specifications

		10	15	20	26	33	40	52	66	80	90	100	115	
Nominal Capacity	kW	11	15	20	26	33	39	52	66	79	89	99	117	
Compressor motor kW (1)	kW	3.6	5.3	7.2	9.5	11.9	12.4	2 x 9.5	2 x 11.9	2 x 12.4	3 x 10.6	3 x 11.9	2 x 17.6	
Minimum Water Flow	l/s	0.5	0.8	0.9	1.1	1.4	1.7	2.3	2.9	3.5	3.9	4.3	4.9	
Max Water Flow	l/s	0.9	1.4	1.6	2.1	2.6	3.2	3.6	4.5	5.5	4.7	5.3	8.5	
Standard Pump (2)	l/s	0.7	1.1	1.2	1.6	2.0	2.5	2.9	3.7	4.5	4.3	4.8	7.0	
Available head	kPa	150	110	100	120	100	120	150	100	100	100	100	100	
Motor power	kW	0.46	0.53	0.53	0.72	0.72	1.2	1.55	1.55	2.2	3	4	2.2	
Condenser Fans	kW	0.55	0.55	0.55	0.55	0.55	2 x 0.55	2 x 0.55	2 x 0.55	4 x 0.55	4 x 0.55	4 x 0.55	4 x 0.55	
Total Kilowatts(3)	kW	5.0	7.2	8.3	10.8	13.3	15.3	21.7	26.7	29.3	37	44.4	46.7	
Run Load Amps/Phase(1)	Amps	13.8	15.3	18.5	20.4	25	30.7	38.8	48	59.4	74.4	73	75	
Maximum Load Amps	Amps	17	19.5	22.5	27	32	36.5	52	62	71	99.5	95	88	
Electrical Supply	415 volt / 3 phase / 50 cycles per second													
Optional Tank volume	litres	70					100				Not Available			
Physical Data														
Length (4)	mm	1440	1440	2340	2340	2340	2340	2340	2340	2340	2340	2340	2340	
Width	mm	920	920	920	920	920	1136	1136	1136	1646	1646	1646	1646	
Height	mm	1200	1200	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	
Weight (5)	Kg	280	280	368	375	380	580	590	600	840	880	890	1100	

## NOTE:

All ratings at nominal operating conditions of 35oC ambient, 12oC water return temperature, 7oC delivery temperature.

(1) Nominal compressor kW - Note CA10-CA66, CA90, CA100, CA115 use hermetic (CA115-semi hermetic) recip. compressors. CA40 & CA80 Scroll compressors

(2) Optional primary circulation pump. All units can be fitted with larger or dual pumps to suit application

(3) Total motor kilowatts, including Compressors, fans, pump and controls

(4) Overall length, not including optional tank. Allow and extra 230mm to overall length if tank fitted.

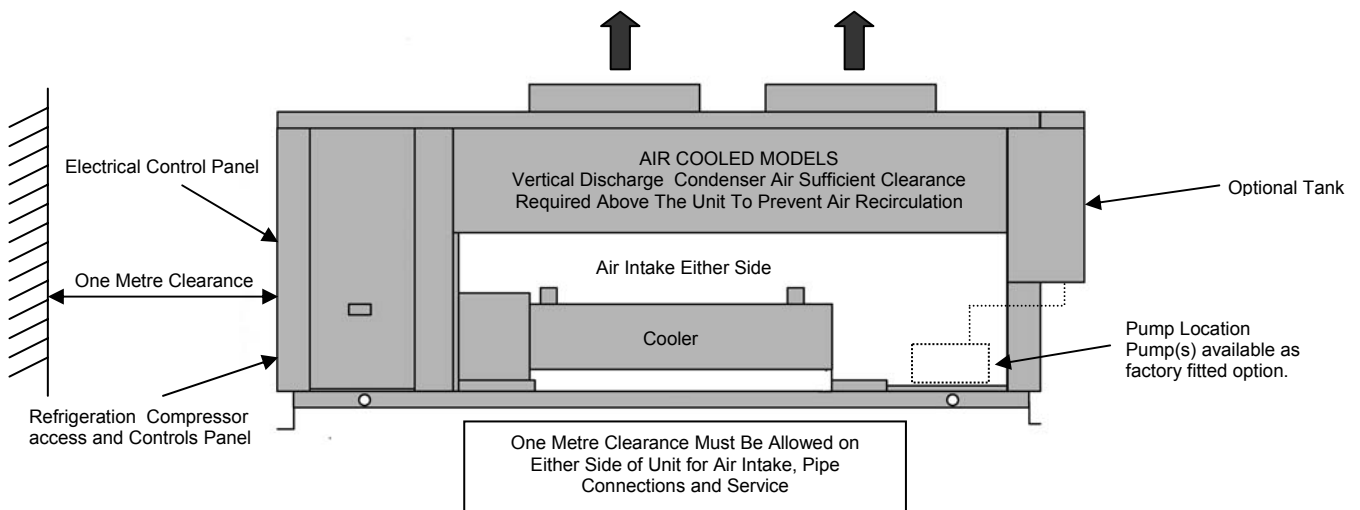
(5) Weight does not include pumps or tank.

All units come standard with R22 refrigerant. R407c and R404a are available on request.

Please note that Fluid Chillers Australia Pty Ltd reserve the right to change or modify specifications as required by continuing design and production variations that may take place. This information sheet should be used only as a guide to the application of the equipment.

**Full details on specific equipment must be obtained at the time of supply. This brochure does not constitute an offer for sale of any product.**

## CA Chillers Layout and Location Detail



## CA Chillers - Standard Features

- Separate Refrigeration circuits each compressor
- Galvabond Steel frame and panels
- Powder Coat Finish (Admiralty Grey Standard)
- Fully Weatherproof
- Unique Serviceable Shell and tube Evaporator
- Variable Speed Condenser Fans
- Evaporator Shell Hot dip Galvanised
- Controls Standard for Normal or Low Temperature
- Capacity Control, Hot Gas Bypass on Single Compressor units, Dual & Triple Compressors on Larger units.

**MADE IN AUSTRALIA**

## Standard Factory Options

- Built in Tank (up to CA66 only)
- Factory Fitted Pump(s)
- Provision for Single or Dual Pumps
- Stainless Steel Shell on Evaporator
- Pressure and Temperature Gauges
- All Copper or Treated Condenser Coils
- Soft Start control
- Alternative Refrigerants R407c & R404a
- Bacnet – Modbus gateway system
- Heat Recovery Condensers
- Water Heating Circuit
- Water Cooled Condenser (CW unit)
- Marine Condenser (CW Unit)
- Condensing Unit (CU unit)