

# FWC & FAC

Series **FWC** & **FAC** Chiller



Air cooled

Water cooled

# FWC Series water-cooled Chillers

The FWC series **water-cooled** chillers suitable for operating in an ambient temperature of 35°C and above.

Designed with efficiency and intelligent controls in mind, this series of high performance water chiller is engineered with outstanding refrigerating technology.

The FWC series **water-cooled** chillers offer cooling capacity from 3.1 to 62.8 refrigerating tons (say 37,000 to 753,000 BTU per hour).

### Features include:

- Microprocessor control with soft-touch operator panel and fault diagnosis.
- Digital setting and display of chilled water temperature via a P.I.D. controller with high/low alarm.
- COPELAND or MANEUROP fully enclosure compressor.
- Superior shell-shape condenser.
- Stainless steel chilling unit incorporates high-grade seamless bronze tubing eliminates rust or corrosion.
- Stainless steel expansion water tank.

- GRUNDFOS chilled water pump.
- All models are certified by the CE authorities.

### Option include:

- High pressure chilled water pump.
- Cooling tower and circulating pump.



FWC-3/5

FWC-7.5/10/15

### Specification

FWC Model		3	5	7.5	10	15	20	25	30	40E	50E	60E	
Cold water temperature °C		5 ~ 30											
Cooling capacity <sup>(1)</sup> (under 60Hz operation)	Kcal/hr	8800	14800	22200	29900	44300	59000	74000	87600	117000	148000	180000	
	BTU/hr	34900	58800	88100	118700	175900	234200	293800	347800	464500	587600	715800	
	KW	10.2	17.2	25.8	34.8	51.5	68.6	86	102	136	172	210	
Compressor	power HP	3	5	7.5	10	15	10 x 2	12.5 x 2	15 x 2	10 x 4	12.5 x 4	15 x 4	
	brand	Copeland			Maneurop								
	refrigerant	R22 (R507 optional available)											
Pump <sup>(2)</sup>	motor HP	3/4	1.5	2		3			3 <sup>(3)</sup>				
	max. output L/min	80	160	190		280			280 <sup>(3)</sup>				
	max. pressure bar	2.5	3	3.5		3.5			3.5 <sup>(3)</sup>				
Water tank capacity	Litre	70		120		200		370		1000 <sup>(3)</sup>			
Cold water in/outlets	inch	3/4" x 3		1-1/2" x 1		2" x 1		2-1/2" x 1					
Cooling water in/outlets	inch	1" x 1		1-1/2" x 1		2" x 1		2-1/2" x 1		2" x 2	2-1/2" x 2		
Voltage (phase)	V	380 ~ 460V (3Ø)											
Width	mm	680		760		820		880		960			
Depth	mm	900		1270		1720		2120		2320			
Height	mm	1160		1250		1350		1480		1670			
Weight (approx.)	kg	200	250	380	450	550	680	780	880	1060	1150	1250	

Remarks: (1) Cooling capacities are based on 10°C outlet cold water temperature and at ambient temperature of 30°C.

(2) Capacities are based on 60 Hz operations.

(3) The FWC-40E, FWC-50E and FWC-60E are supplied with external mounted cold water tank and chilled water circulating pump. Customer shall be responsible for the separate pumping system between the cold water tank and the processing machines according to the job site requirements.

# FAC Series air-cooled Chillers

The FAC series **air-cooled** chillers offer low noise running and no pollution, meeting environmental protection requirements due to no coolingtower is required.

Combining maximum efficiency and superior performance in one unit, the FAC series water chillers are easy to maintain and install.

The FAC series **air-cooled** chillers offer cooling capacity from 2 to 30 refrigerating tons (say 24,000 to 36,000 BTU per hour).

## Features include:

- Microprocessor control with soft-touch operator panel and fault diagnosis.
- Digital setting and display of chilled water temperature via a P.I.D. controller with high/low alarm.
- COPELAND or MANEUROP fully enclosure compressor.
- Superior shell-shape condenser.
- Stainless steel chilling unit incorporates high-grade seamless bronze tubing eliminates rust or corrosion.
- Stainless steel expansion water tank.

- GRUNDFOS chilled water pump.
- All models are certified by the CE authorities.

## Option includes:

- High pressure chilled water pump.



FAC-2

FAC-7.5/10/15

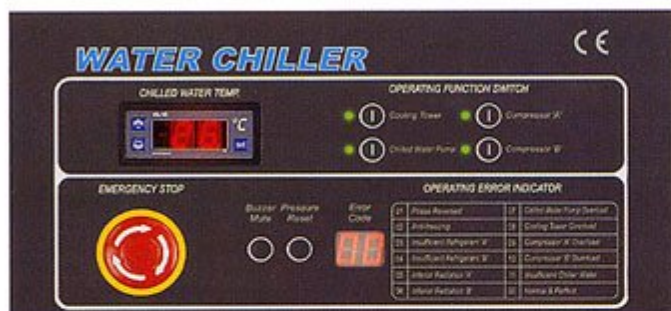
## Specification

FAC Model		2	3	5	7.5	10	15	20	25	30
Cold water temperature °C		5 ~ 30								
Cooling capacity <sup>(1)</sup> (under 60Hz operation)	Kcal/hr	5600	8400	14000	21000	28300	41900	55900	70100	83000
	BTU/hr	22200	33300	55600	83400	112300	166300	221900	278300	329500
	KW	6.5	9.8	16.3	24.4	32.9	48.7	65	82	97
Compressor	power HP	2	3	5	7.5	10	15	10 x 2	12.5 x 2	15 x 2
	brand	Copeland			Maneurop					
	refrigerant	R22 (R507 optional available)								
Cooling fan	motor HP	1/4	1/2	1/2 x 2		1/2 x 2		1/2 x 3		
	diameter inch	16"	24"	24" x 2		28" x 2		28" x 3		
Pump <sup>(2)</sup>	motor HP	1/2	3/4	1.5	2		3			
	max. output L/min	60	80	160	190		280			
	max. pressure bar	2	2.5	3	3.5		3.5			
Water tank capacity	Litre	35	65		110		220		370	
Cold water connections	inch	3/4" x 2	3/4" x 3		1-1/2" x 1		2" x 1		2-1/2" x 1	
Voltage (phase)	V	380 ~ 460V (3Ø)								
Width	mm	650	880		880		1060		1120	
Depth	mm	820	900		1670		1960		2620	
Height	mm	1100	1580		1750		1950		1900	
Weight (approx.)	kg	150	230	280	380	450	600	750	880	980

Remarks: (1) Cooling capacities are based on 10°C outlet cold water temperature and at ambient temperature of 30°C.

(2) Capacities are based on 60 Hz operations.

(3) This air-cooled chiller has been designed for the use in an ambient temperature under 35°C.



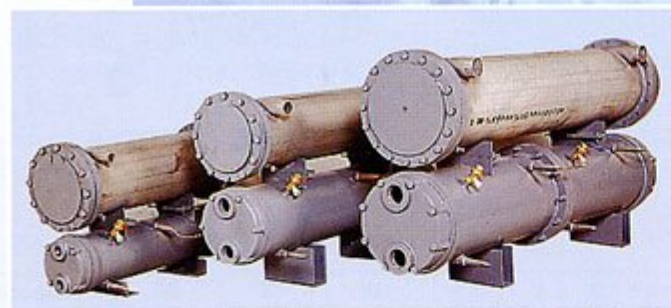
Soft-touch operator panel and P.I.D. temperature controller.



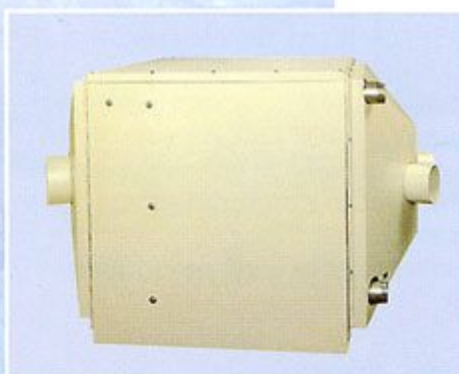
5RT ~ 100RT  
Cooling Tower &  
Water Circulating Pump.



European or American made fully enclosure compressor.



High efficiency shell-shape condenser and stainless steel chilling unit.



FS75 ~ FS300  
Air Cooling  
Chamber for  
blown film lines.