

## KT Series **water-cooled** Water Chillers

The KT series water-cooled water 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 KT series water chillers offer cooling capacity from 3 to 60 refrigerating tons (say 8,800 to 180,000 Kcal/hr).

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.

Options include:

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



## Specification

KT model		130	150	750	1000	1500	2000	2500	3000	4000E	5000E	6000E	
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	
Cooling medium	-	R22 (R507 optional available)											
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	
Pump	motor (G) <sup>(2)</sup>	HP	1/2 (3)	1 (3)	2 (5)		2 (5 X 2)		3 (5 X 2)		3 <sup>(3)</sup>		5 <sup>(3)</sup>
	output (G) <sup>(2)</sup>	L/min	60 (126)	120(126)	220 (270)		220 (350)		320 (350)		320 <sup>(3)</sup>		500 <sup>(3)</sup>
	pressure (G) <sup>(2)</sup>	bar	1.5 (4)	1.8 (4)	2 (4)		2 (4.5)		2.3 (4.5)		2.3 <sup>(3)</sup>		2.3 <sup>(3)</sup>
Water tank capacity	litre	70		120		200		370		1000 <sup>(3)</sup>		2000 <sup>(3)</sup>	
Cold water in/outlets	inch	3/4" X 3		1-1/2" X 1		2" X 2		2-1/2" X 1					
Cooling water in/outlets	inch	1" X 1		1-1/2" X 1		2" X 2		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	860	1060	1150	1250	

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

2) The KT-130 up to KT-3000 may change to use high pressure cold water pump which is optional feature at extra costs, model denotes "G" if this option is employed.

3) The KT-4000E, KT-5000E and KT-6000E are supplied with external mounted cold water tank and chilled water circulating pump, so change to use high pressure pump would not be necessary. Customer shall be responsible for the separate pumping system between the cold water tank and the processing machines according to the job site requirements.



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



European or American made fully enclosure compressor.



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



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



PLASTEK EQUIPMENT LIMITED

P.O. Box 83-100, 111 Taipei, Taiwan.  
Tel: +886 2 2876 2929 Fax: 2876 3030  
E-mail: plastek@plastek.com.tw.