

The Economical Ice Bank Storage



Cool
Innovation
CO₂

Cooling BAtt
by itc



Newest innovation, CO₂ thermal ice storage system, design to utilize Carbon Dioxide (CO₂) which is GWP base line as a main refrigerant for the air conditioning system in conjunction with other refrigerants and combined with the latent heat storage technology of Cooling BAtt, which generates cooling in night-time and stored cooling energy be used in daytime. This technology with total system design C.O.P. can help to reduce electricity consumption, save electricity pay bill and high environmental friendliness.

Many people may wonder what makes it so economical. The simple answer is ITC's Ice Bank is highly specialized equipment designed for generating tons of ice clinging along the coil in the night-time that surround is cold enough to decrease condensing temperature, this will lower energy and power consumed by compressor which is the highest energy consumption in refrigeration cycle and also lower the heat rejected quantity. You can save more by run only the water pump or less set of evaporative condenser since the temperature of air and circulate water flows through the evaporative condenser is lower than daytime.

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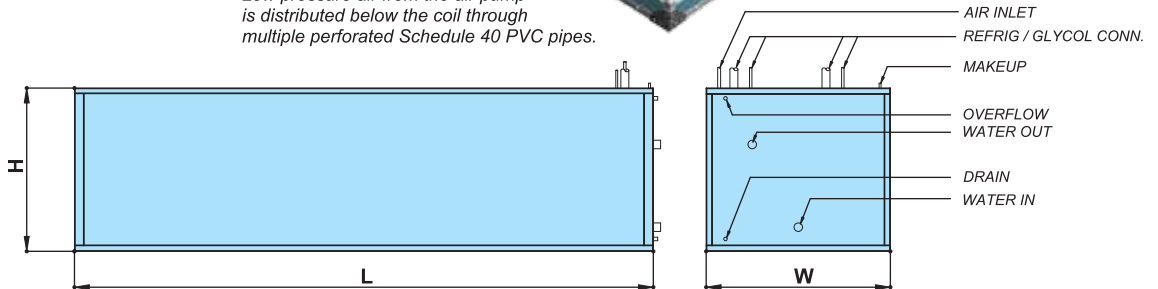
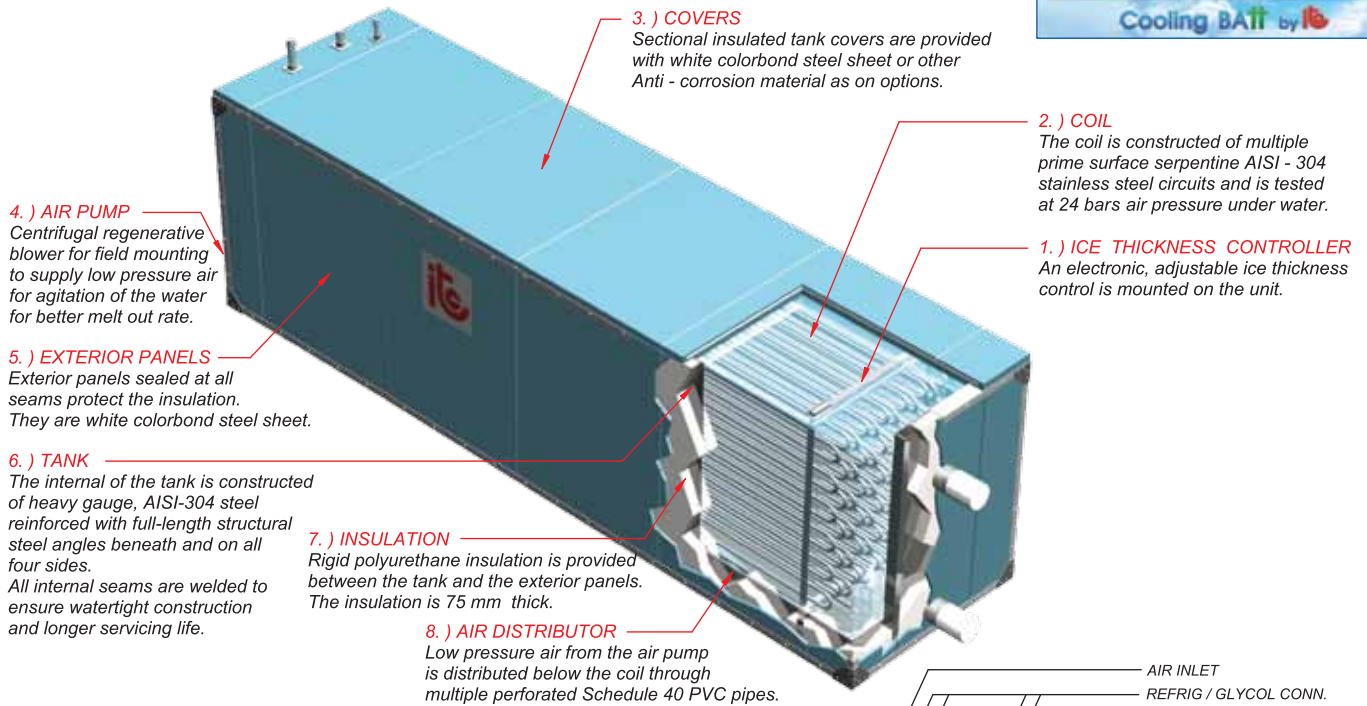
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GLYCOL MODEL	Capacity		W (m)	L (m)	H (m)	SHIPPING WEIGHT (kg)	CONNECTION (mm) NOMINAL SIZE		
	TON-HRS	kW-Hr					INLET	OUTLET	DRAIN
GIC-135	135	475	1.03	6.25	1.30	1,940	50	50	13
GIC-270	270	950	1.03	6.30	2.60	3,880	75	75	13
GIC-540	540	1,900	2.06	6.35	2.60	7,760	100	100	20

R - 22 MODEL	Capacity		W (m)	L (m)	H (m)	SHIPPING WEIGHT (kg)	CONNECTION (mm) NOMINAL SIZE		
	TON-HRS	kW-Hr					INLET	OUTLET	OIL-DRAIN
HIC-135	135	475	1.03	6.08	1.30	1,900	32	75	13
HIC-270	270	950	1.03	6.10	2.60	3,800	50	100	13
HIC-540	540	1,900	2.06	6.13	2.60	7,600	75	125	20

AMMONIA, CO ₂ MODEL	Capacity		W (m)	L (m)	H (m)	SHIPPING WEIGHT (kg)	CONNECTION (mm) NOMINAL SIZE		
	TON-HRS	kW-Hr					INLET	OUTLET	OIL-DRAIN
AIC-170	170	600	1.10	6.07	1.40	1,500	32	65	13
AIC-340	340	1,200	1.10	6.08	2.80	3,000	40	75	13
AIC-680	680	2,400	2.20	6.10	2.80	6,000	50	100	20

COMPLETE UNIT WITH INSULETED TANK

MODEL	Capacity		W (m)	L (m)	H (m)	SHIPPING WEIGHT (kg)	CONNECTION (mm) NOMINAL SIZE		
	TON-HRS	kW-Hr					INLET	OUTLET	DRAIN
GIC-254U	254	895	2.12	6.39	1.81	4,700	75	75	13
HIC-254U	254	895	2.12	6.39	1.81	4,600	50	50	13
AIC-310U	310	1,090	2.12	6.39	1.81	3,800	40	75	13

Note : 1.) Other capacity and dimension are available, please contact manufacturer.
2.) Specifications subject to change without notice.

