PERFECT Fit! PERFECT Price!

Heat Pumps

EcoCH!LL
Energy ↓ Cost ↓ CH!LL ↑

Liquid Medium : From Acid [pH=0] to Alkali [pH=14]

Temperature : 40°C to 80°C

KW Levarage : 5.5 to 2.5

Price / KW : Rs.7,000 to 13,000

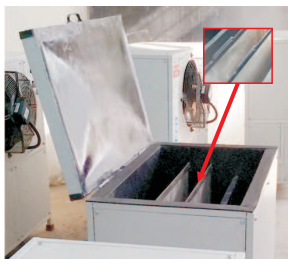
System Type	System Description
Stand Alone	Uses Ambient Air As Heat Source. Can be located anywhere.
Dual Benefit	Located @ Chiller Inlet OR Cooling Tower Water Out for Dual Gains.
Combo Dual	Simultaneous Cooling & Heating of ANY Liquid/Air - Dual Gains

Stand Alone Tankless Heat Pumps @ Works!

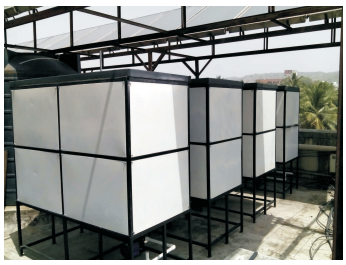
ValueAdd Options!

Site Piping!

Inbuilt Insulated Tanks



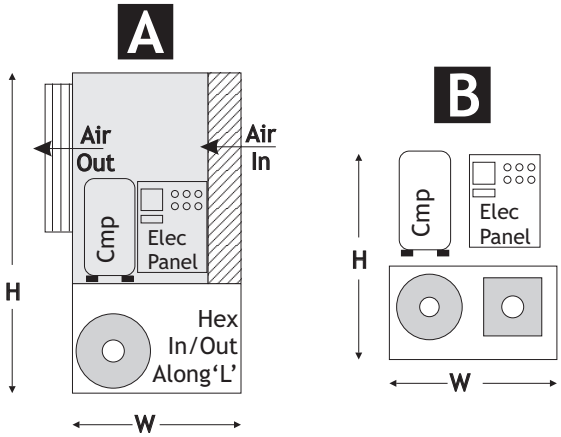
Filtration Systems



External Site Insulated Tanks

Typical Model Data

Model	Nominal Capacity	Power KW	Rating Conditions	L m	W m	H m	Wt Kg	Ref Fig
HP06	Upto 6 KW	Upto 1.25	Liquid Out	0.7	0.5	0.8	50	A
HP15*	Upto 15 KW	Upto 2.78	@ 45 C,	0.9	0.6	0.9	65	A,B
HP30*	Upto 30 KW	Upto 4.85	Heat Source	1.5	0.6	1.2	80	A,B
HP60*	Upto 60 KW	Upto 9.52	@17+ degC,	2.2	0.6	1.2	145	A,B
HP75*	Upto 79 KW	Upto 12.8	R407C	2.5	0.6	1.2	170	A,B
HP160*	Upto 160 KW	Upto 25.8		2.5	0.8	1.6	250	A,B



* Available Both in Stand Alone [Fig A] & Dual Benefit Mode [Fig B]

9822519844 @www.ecochill.co.in info@ecochill.co.in

DUAL/Combo Applications for MAX Benefits!

Heat Pumps

EcoCHILL
Energy ↓ Cost ↓ CHILL ↑

Case A : Hotel / Hospital Using Central AC with Chillers!

With Existing Chiller for Air Conditioning

Input Design Data
Medium : Water
Lowest In Temp : 20 deg C
Hot Water Temp : 55 deg C
Water Qty : 50 KLPD
Existing Chiller : 220 + 170 TR
Chiller Temps : 45 / 55 deg F
Min Winter Chiller TR : 40 TR
Heat Pump Op Hrs : 18
Chiller KW/TR : 0.72
Elec Tariff : Rs.16/KWh

System Design
HP OKW / TR : 113.1 / 32 .4
HP IKW : 32.3 [incl Pumps]
HP Elec Savings KW : 80.8
Chiller Energy Savings KW : 16.8
Total KW Savings : 97.52
Total Elec Cost Savings : Rs.1.03 Cr

Therefore Approximate Payback Less Than 2 Months*!

*Excludes Insulated Tank

Case B : Factory Process Chilling for +25 deg C

With Existing Chiller for Process Cooling

Input Design Data
Medium : Water
Lowest In Temp : 20 deg C
Hot Water Temp : 55 deg C
Water Qty : 35 KLPD
Existing Chiller : 130 TR
Chiller Temps : 20 / 25 deg C
Min Winter Chiller : 100 TR
Heat Pump Op Hrs : 20
Chiller KW/TR : 0.52
Elec Tariff : Rs.8/KWh

System Design
HP OKW / TR : 71.22 /20.42
HP IKW : 16.8 [incl Pumps]
HP Elec Savings KW : 54.42
Chiller Energy Savings KW : 10.61
Total KW Savings : 65.02
Total Elec Cost Savings : Rs.39.1 L

Therefore Approximate Payback Less Than 2.6 Months*!

*Excludes Insulated Tank

Heat Pumps Available from 10K to 1L LPD Capacities!

9822519844 @www.ecochill.co.in info@ecochill.co.in