

# ECO CHILL®

CONSERVE TODAY FOR THE FUTURE

ECO Chill is a sustainable solution making Net0 a reality. ECO Chill re-purposes the energy removed from the ice sheet during operation and applies that energy to wherever heat is needed within the building. Working at 400% efficiency level, the system is designed to lower operating costs.

## BENEFITS

- Reduced energy consumption
- Lowered greenhouse gas emissions
- Reduced refrigerant charge
- Reduced leaks
- Modular nature allows choice of components that best match the needs of the facility – new design or retrofit

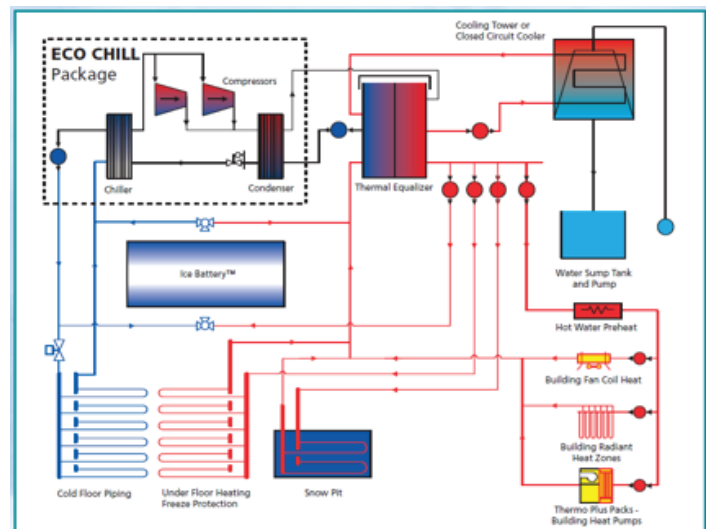
## Why should you consider ECO Chill

- Current Climate Emergency - arenas are energy-intensive structures that damage the environment and are being scrutinized for their emissions as well as energy consumption. ECO Chill reduces both and is environmentally friendly.
- Moving closer to Net Zero emission goals - To move towards becoming a net0 facility, you need to repurpose energy instead of releasing it outward. This self-sufficiency works best for multi-purpose buildings.
- Cost saving – Repurposing the heat that would otherwise be wasted, reduces energy consumption and hydro bills.

## FEATURES

ECO Chill requires one unit of energy - typically electricity - to move three units of heat from the arena floor. This means if you use the refrigeration system to generate heat, putting in a single unit of energy gives you four units of energy in return.

Integrating ECO Chill with the building's HVAC system permits the use of recovered heat for various purposes. Some of the ways to reuse heat that would otherwise be wasted include: radiant floor heating, pool heating, gymnasium heating, Zamboni water heating and preheating and potable water heating and preheating



TOROMONT

CIMCO



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## Specifications:

MODEL	NOMINAL CAPACITY RATING (TR)	HEAT RECOVERY POTENTIAL	COMPRESSOR TYPE	TOTAL COMPRESSOR HORSEPOWER	NUMBER OF ICE SHEETS	Total Glycol Flow to Ice Sheets
N-ECO 80A	80	100%	SCREW	150	1	796
N-ECO 100A	100	100%	SCREW	200	1	1060
N-ECO 120A	120	100%	SCREW	200	1	1178
N-ECO 150A	150	100%	SCREW	250	UP TO 2	UP TO 1395
N-ECO 170A	170	100%	SCREW	300	UP TO 2	1675
N-ECO 210A	210	100%	SCREW	400	UP TO 3	2120
N-ECO 250A	250	100%	SCREW	400	UP TO 3	2567

MODEL	CHILLER STYLE	CONDENSER STYLE	IMMERSION HEATER OPTION	ICE BATTERY OPTION	DESUPERHEATER OPTION	PACKAGE DIMENSIONS	SHIPPING WEIGHT
N-ECO 80A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	33'L x 8'-6"W x 10'H	35,000 LBS
N-ECO 100A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	33'L x 8'-6"W x 10'H	36,000 LBS
N-ECO 120A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	33'L x 8'-6"W x 10'H	37,000 LBS
N-ECO 150A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	33'L x 8'-6"W x 10'H	40,000 LBS
N-ECO 170A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	33'L x 8'-6"W x 10'H	45,000 LBS
N-ECO 210A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	40'L x 8'-6"W x 10'-6"H	50,000 LBS
N-ECO 250A	PLATE & FRAME	PLATE & FRAME	YES	YES	YES	40'L x 8'-6"W x 10'-6"H	55,000 LBS

