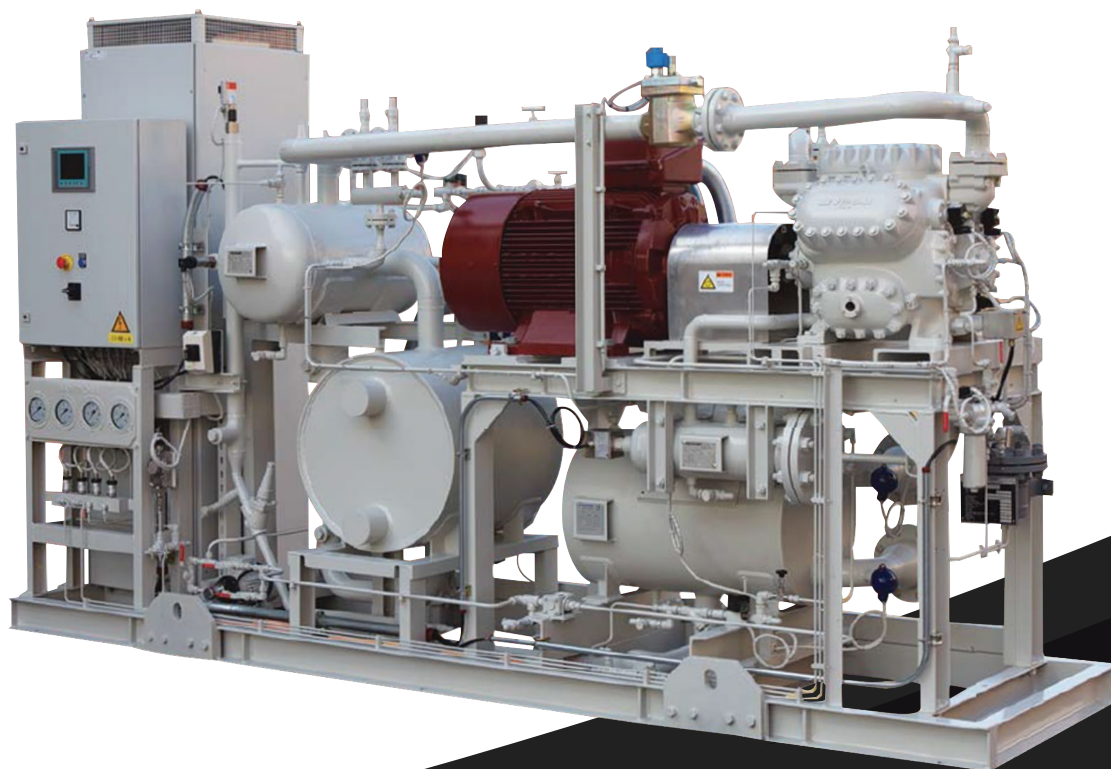


PLUS+HEAT

NH₃ Heat Pump

MAYEKAWA
MYCOM



PLUS+ Heat
Ammonia Heat Pump

<https://mayekawa.com/americas/mna>

Plus+ Heat NH3 Water Source Heat Pump

Natural refrigerant, reuses wasted heat

ADVANTAGES

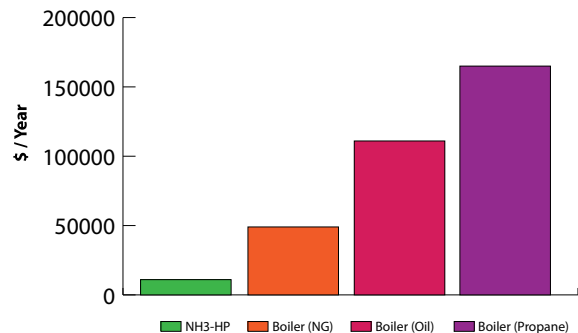
- Cost effective waste heat recovery
- Employs natural refrigerant, environmentally friendly
- Low operational costs and easy maintenance
- Compatible with both screw and reciprocating compressors

APPLICATIONS

- Beverage plant
- Food processing plant
- Meat processing plant
- Automobile and parts plant
- Semiconductor plant
- Chemical plant

YEARLY COST COMPARISON

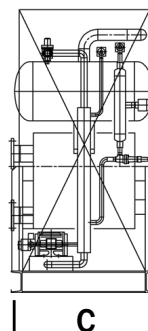
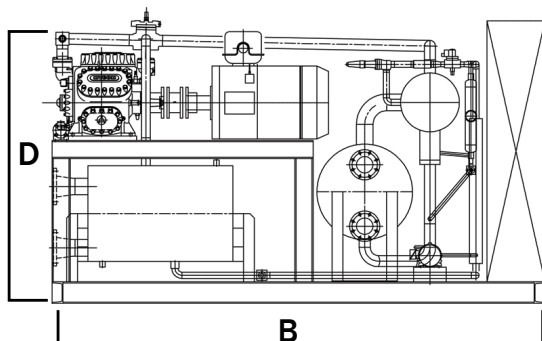
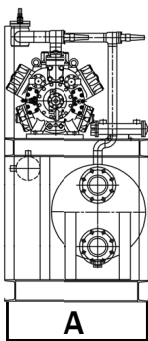
- When:
- \$10 hour/day, 300 days/year
 - Supply hot water 176 °F
 - Boiler efficiency 85%
 - 0.06 \$/kWh (Electricity)
 - 0.05 \$/m³ (Ng)
 - 1.0 \$/L (Oil)
 - 0.86 \$/L (Propane)



DIMENSIONS & SPECIFICATIONS

Dimensions are for reference only. Please contact MYCOM for more detailed drawings.

Compressor	725PSI / 5.0MPa reciprocating type 6HK
Capacity control	100 - 20% flexible control with WFD
Motor	100 - 175HP / 75 - 130kW X 4P with VFD
Power supply	Main: 575 (460) V60Hz / Control: 220V50Hz
Condenser	Shell and plate
Evaporator	Shell and plate
Refrigerant	R717 (NH3) (charged: 155lb / 70kg)
Lubricant oil	Mineral oil (charged: 5.3 gal / 20L)
Net weight	7,940lb / 3,600kg
Size [ft(mm)]	L 11.8 (3,600) x W 3.3 (1,000) x H 7.2 (2,200)



A	1,000 mm	3.3 ft
B	3,400 mm	11.8 ft
C	1,000 mm	3.3 ft
D	2,000 mm	7.2 ft

*Dimensions shown for N6HK Reciprocating Compressor Package.

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* The information contained herein is for reference only. Subject to change without notice.

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