NH3 Heat Recovery Heat Pump Hot Water Supply

PLUS HEAT MULTI

Instant Savings

~~Fossile~~ Fuels

CO_2

Heat Pump!

for Energy Saving

Industrial heat pump technology using natural refrigerants. Save Megawatts of energy by recycling waste heat and upgrading it to high temperature utility or process water.

- Recycle and Reuse our limited energy
- Low operational costs
- Environmentally friendly
- Easy and cost effective solutions for increasing your heat

MAYEKAWA MYCOM

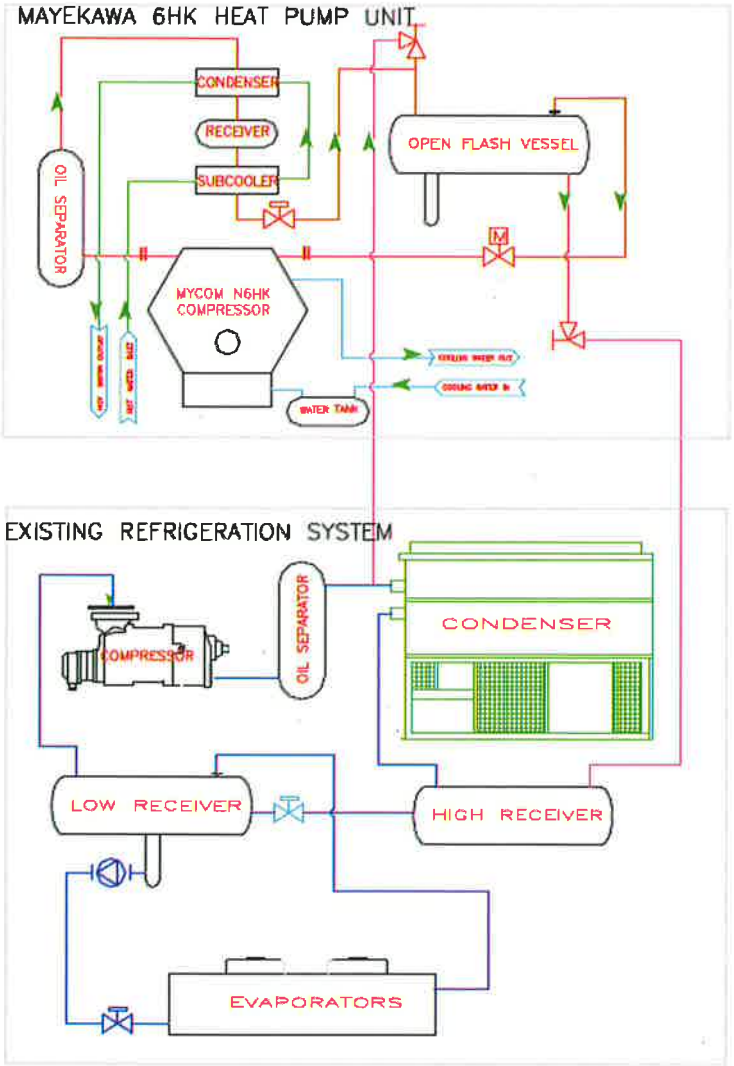
NH3 HEAT PUMP -HIGH STAGE HEAT PUMP-

Installation example

Sheep abattoir factory washing & process water

Specifications

- Capacity: 1015kW
- Refrigerant: Ammonia
- Design Pressure: 5.2Mpa/2.0Mpa
- Hot Water Temp: In 12℃/Out 80℃
- Compressor: N6HK x 3
- Motor: Teco 132kW x 3
- Condenser: Vahterus Shell & Plate



Capacity Chart

Water Inlet Temperature	°C	12	12	12	12	12	12
Water Outlet Temperature	°C	80	80	80	80	80	80
Water Flow Rate	Kg/S	3.57	2.98	2.38	1.78	1.19	0.60
REFRIGERANT		AMMONIA					
MODEL		3 x N6HK					
HEATING CAPACITY	[kW]	1015.2	847.4	677.8	507.6	339.8	170.2
CAPACITY	[kW]	824.2	686.8	549.5	412.1	274.7	137.4
CAPACITY	[TR]	234.4	195.3	156.3	117.2	78.1	39.1
ABSORBED POWER	[kW]	194.2	163.7	131.4	97.1	66.6	34.3
SPEED	[Rpm]	1450	1450	1450	1450	1450	1450
LOAD	[%]	100	83	67	50	33	17
CONDENSING TEMP.	°C	85	85	85	85	85	85
EVAPORATIVE TEMP.	°C	30	30	30	30	30	30
COP	[-]	4.24	4.20	4.18	4.24	4.12	4
COPh	[-]	5.23	5.18	5.16	5.23	5.1	4.96

OVERALL DIMENSIONS AND MAINTENANCE SPACE REQUIREMENTS

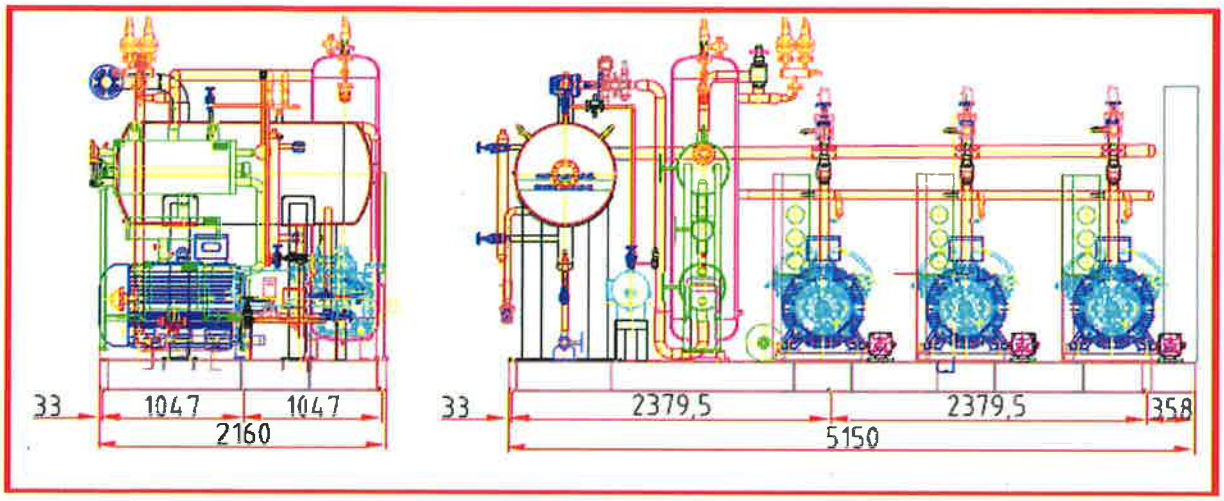


Figure 2: Overall Dimensional Drawing of the Heat pump Unit

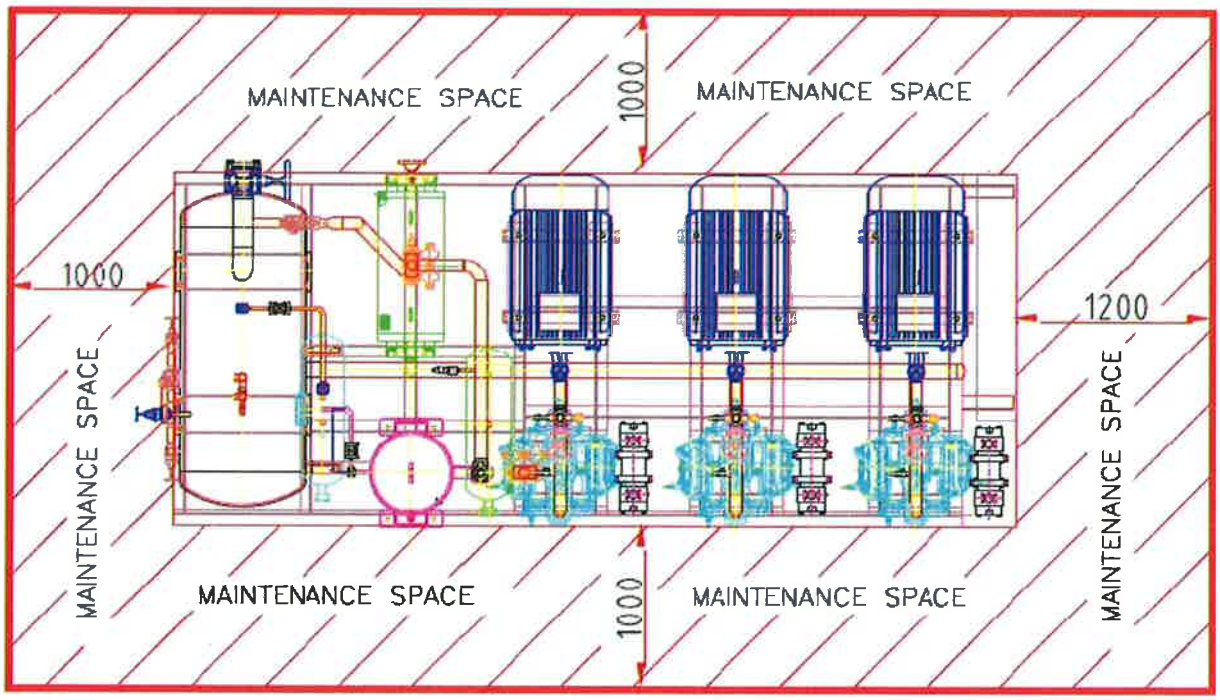


Figure 3: Required Maintenance Space of the Heat pump Unit

MAYEKAWA AUSTRALIA PTY.LTD.
Unit2, 44 McCauley Street Matraville NSW 2036, Australia
TEL: +612 9695 7000
info@mayekawa.com.au

Auckland (New Zealand) Office
Unit 2, 30 Tui Steet Otahuhu
TEL: +64 9 276 2305
info@mayekawa.co.nz