



MAYEKAWA NEW STANDARD HEAT PUMP

## PLUS+HEAT



### The **MAYEKAWA Plus+HEAT**

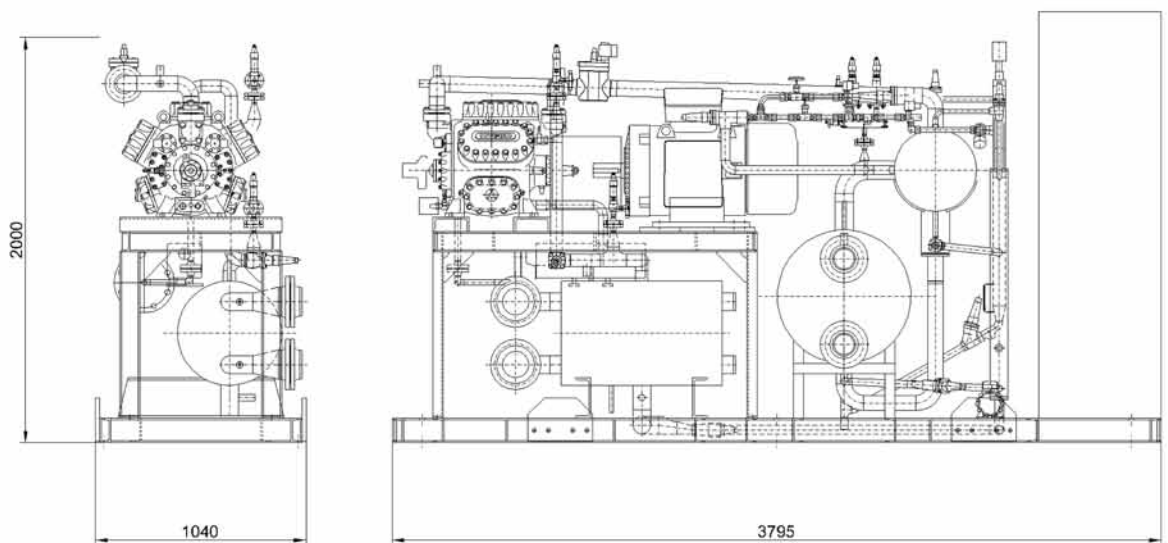
product belongs to the **MAYEKAWA 'NATURAL 5'** program, and introduces herewith a new generation of energy saving equipment, using the **MAYEKAWA N6HK** high pressure compressor (50 bar) with natural refrigerant  $\text{NH}_3$  (GWP=0).

The **MAYEKAWA Plus+HEAT** unit can produce hot water maximum 85 °C by using different heat sources such as condenser heat from existing refrigeration plants, waste heat from industrial plants, renewable geothermal energy, and many more.

The **MAYEKAWA Plus+HEAT** system directly contributes to fossil fuel reduction, what means also  $\text{CO}_2$  emission reduction resulting in fuel- and  $\text{CO}_2$  emission cost reduction. Additional energy savings are possible by applying frequency invertors for compressor speed control for high efficiency operation.

The **MAYEKAWA Plus+HEAT** unit is design compact with small footprint and maintenance friendly so that contracting work at site is minimized.

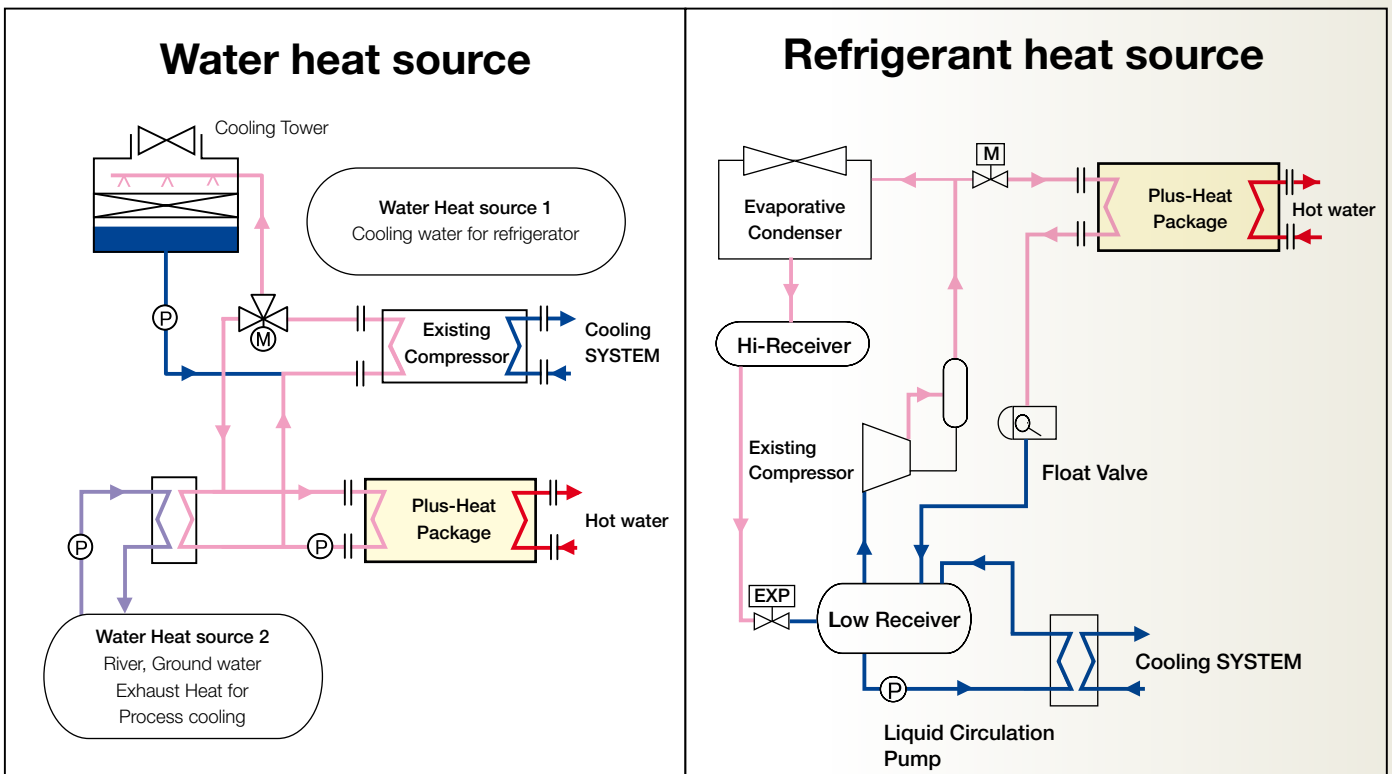
### Dimension of **PLUS+HEAT**



HEAT SOURCE			WATER					REFRIGERANT(NH3, HCFC22, ETC)			
Refrigerant			Ammonia (R717)								
Type			PH-W85	PH-W105		PH-W125 <sup>1)</sup>		PH-R85	PH-R105		PH-R125
Outlet Hot Water Temperature		°C	65	70	75	80	85	65	70	75	80
Capacity	Heating Capacity	kW	471	458	444	430	487	471	458	444	430
	Required Capacity of Heat source	kW	399	377	356	334	378	399	377	356	334
	Absorbed Power	BkW	73	81	89	96	109	73	81	89	96
	C.O.P heating	-	6,5	5,7	5,0	4,8	4,5	6,5	5,7	5,0	4,8
Power Supply			400V 3φ 50Hz/200V 1φ 50Hz					400V 3φ 50Hz/200V 1φ 50Hz			
Type of Compressor			N6HK (Receiproating Compressor)					N6HK (Receiproating Compressor)			
Motor Power <sup>2)</sup>		kW	85	105	105	125	125	85	105	105	125
Starter			your selection					your selection			
Recommendable oil			Standard: Mobil SHC228 other applicable oil: Kluber-Summit RHT100								
Evaporator	Type		Shell & Plate type heat exchanger					Shell & Plate type heat exchanger			
	Temperature of Heat Source	°C	40/35	40/35	40/35	40/35	45/40	-	-	-	-
	Flow rate of Heat source	m³/h	68,6	64,9	61,1	57,4	65,0	-	-	-	-
	Condensing temperature of Heat source	°C	-	-	-	-	-	32	32	32	32
Condenser	Type		Shell & Plate type heat exchanger					Shell & Plate type heat exchanger			
	Temperature of Hot water	°C	60/65	65/70	70/75	75/80	80/85	60/65	65/70	70/75	75/80
	Flow rate of hot water	m³/h	81,1	78,8	76,4	73,9	83,7	81,1	78,8	76,4	73,9
Dimension	Wide W)	mm	1000					1000			
	Length (L)	mm	3795					3795			
	Height (H1) Unit	mm	2000					2000			
	Height (H2) Starter	mm	2200					2200			
	Weight	kg	-	-	-	3600		-	-	-	-

1) Available 2) In case of IPM motor; you can choose an other type of motor

Note: Above this specification is subject to change without notice



# MAYEKAWA

## MYCOM

### WORLDWIDE

- 40 countries / 127 offices
- 8 production plants



## Europe Organization

### ABU DHABI

Ali & Sons Business Center Office No. 201  
Ali Khalfan Rashed Al Mutawa Al Dhahiri Bldg.  
Plot no 29, Al Ain Road, Umm Al Nar  
Tel. +971 2 5102151  
Fax +971 2 5102571

### BULGARIA

Kamen Andreev Str. 24  
1303 Sofia  
Tel. +359 2 8910130  
Fax +359 2 8910131

### DUBAI

P.O. Box 61349, W-HOUSE  
No. RA-08-UC05  
Jebel Ali Free Zone Dubai, UAE  
Tel. +971 4 8886363  
Fax +971 4 8886373

### EGYPT

New Cairo  
5th Settlement  
North 90th St.  
The 47th Building  
Tel. +20 22 5062925  
Fax +20 22 5032901

### FRANCE

**Siège social**  
8, rue des Fontenelles  
44140 Le Eignon  
Tel. +33 1 30582600  
Fax +33 1 30581937  
<http://www.mayekawa.fr>  
E-mail: [mycom-france@mayekawa.eu](mailto:mycom-france@mayekawa.eu)

### Agence Service

9, rue Michaël Faraday  
78180 Montigny-Le-Bretonneux  
Tel. +33 1 30582600  
Fax +33 1 30581937

### Agence Food Market

8, Square des Pruniers  
22400 Lamballe  
Tel. +33 2 96765913  
Fax +33 1 30581937

### GERMANY

**Süd**  
Untere Bahnhofstrasse 38a  
82110 Germering  
Tel. +49 89 55279890  
Fax. +49 89 552798910  
**Vertrieb BRD/Österreich**  
Tel. +49 151 42628055

### Service-Werkstatt

Zum Buckesch 7a  
48336 Sassenberg-Füchtort  
Tel. +49 170 2960409  
<http://www.mayekawa.de>  
Email: [info@mayekawa.de](mailto:info@mayekawa.de)

### HUNGARY

**Kőbányai út 10/A**  
2049 Diósd,  
Tel. +36 23 545712  
Fax +36 23 545715  
<http://www.mayekawa.eu>  
E-mail: [hungary@mayekawa.eu](mailto:hungary@mayekawa.eu)

### ITALY

**Milan Office**  
Via Riccardo Lombardi 19/12  
20153 Milano  
Tel. +39 2 48929218  
Fax +39 2 4531728

### Bologna Office

Via Pradazzo 7 40012  
Calerara di Reno  
Tel. +39 51 726364  
Fax +39 51 726804

### MOROCCO

6, Allée des Cyprès  
20250 Casablanca  
Tel. +212 600 041241

### POLAND

ul. Druskiennicka 8/10  
60-476 Poznan  
Tel. +48 61 8420738  
Fax +48 61 8485837

### RUSSIA

Office 228, Korovy Val St. 7  
119049 Moscow  
Tel. +7 499 2300176  
Fax +7 499 2302112  
<http://www.mayekawa.ru>  
E-mail: [info@mayekawa.ru](mailto:info@mayekawa.ru)

### SOUTH AFRICA

West End  
Unit 3 Prime Park  
Printers Way  
Montague Gardens 7441  
Tel. +27 21 5511434  
Fax +27 86 5463618

### SPAIN

Calle Montevideo 5, Nave 13  
Pol. Industrial Camporoso  
28806 Alcala de Henares, Madrid  
Tel. +34 91 8300392  
Fax +34 91 8300397  
<http://www.mayekawa.es>  
E-mail: [mayekawa@mayekawa.es](mailto:mayekawa@mayekawa.es)

### SWITZERLAND

Rosenbergstrasse 31  
6300 Zug  
Tel. +41 41 7268626  
Fax +41 41 7268620  
<http://www.mayekawa.ch>  
E-mail: [info@mayekawa.ch](mailto:info@mayekawa.ch)

### TURKEY

Dünya Ticaret Merkezi  
A/2 Blok Kat: 10 No. 325  
Yeşilköy  
Istanbul  
Tel. +90 212 465363134  
Fax +90 212 4653635

### UNITED KINGDOM

16 Oakhurst Gardens  
DA7 5JP Bexleyheath, Kent  
Tel. +44 1322 433558  
Fax +44 1322 433164

### JAPAN HEAD OFFICE

3-14-15 Botan Koto-ku  
Tokyo 135 8482, JAPAN  
Tel. 81 3 3642 8181  
Fax 81 3 3643 7094  
E-mail: [e-public@mayekawa.co.jp](mailto:e-public@mayekawa.co.jp)

### MAYEKAWA Europe nv/sa

Leuvensesteenweg 605  
1930 Zaventem - Belgium  
Tel. +32 2 7579075  
Fax +32 2 7579023  
<http://www.mayekawa.eu>  
E-mail: [info@mayekawa.eu](mailto:info@mayekawa.eu)