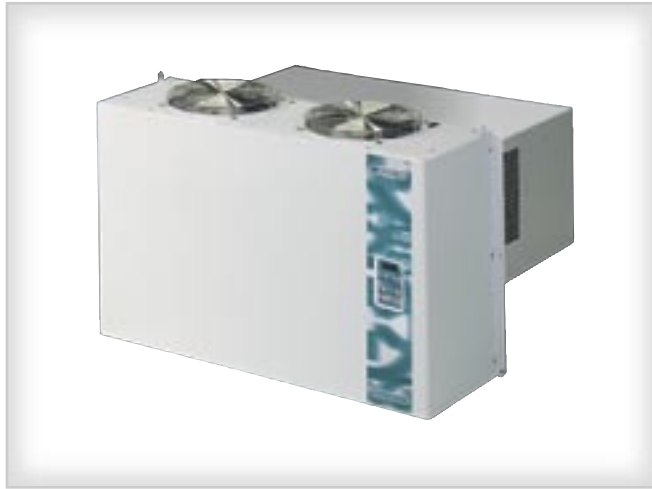




## MONOBLOCCHI PER CELLE FRIGORIFERE

## PACKAGED UNITS FOR COLD ROOMS

## BLOCKSYSTEM

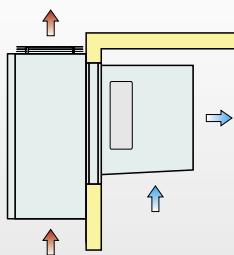
**P****Installazione a parete**  
**Wall mounting installation**

Particolarmente adatto per installazioni su celle di dimensioni ridotte. Doppia possibilità di montaggio: versione accavallata (gamma PA) o versione con tampone montato (gamma PT).

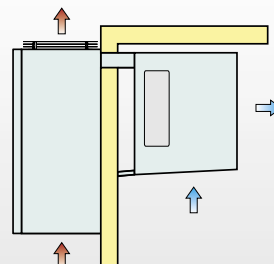
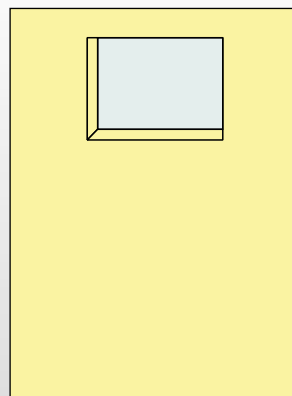
*Particularly suitable for installation in cold room of reduced dimensions. Dual mounting mode: saddle version (PA range) or plug-in insulating panel fitted version (PT range)*

**R404A**

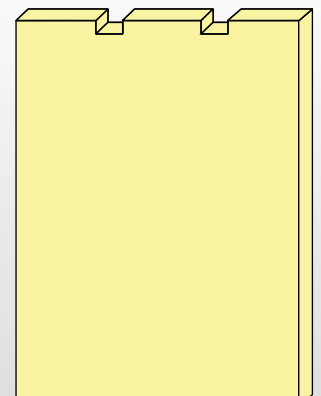
|                                                               | <b>HBP</b>                                                  | <b>MBP</b>                                                         | <b>LBP</b>                                                           |
|---------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Campo di esercizio (Te)</b><br><i>Operating range (Te)</i> | +10°C ÷ +2°C                                                | +5°C ÷ -5°C                                                        | -15°C ÷ -25°C                                                        |
| <b>Potenza compressore</b><br><i>Compressor power</i>         | 2 HP                                                        | 2,5 ÷ 12,5 HP                                                      | 4 ÷ 20 HP                                                            |
| <b>Potenza Frigorifera</b><br><i>Refrigerating capacity</i>   | 4900 W<br>$T_a = 32^\circ\text{C} (T_c = +5^\circ\text{C})$ | 4900 ÷ 22100 W<br>$T_a = 32^\circ\text{C} (T_c = 0^\circ\text{C})$ | 3500 ÷ 19400 W<br>$T_a = 32^\circ\text{C} (T_c = -20^\circ\text{C})$ |
| <b>Volume cella</b><br><i>Cold room volume</i>                | 60 m <sup>3</sup>                                           | 54 ÷ 329 m <sup>3</sup>                                            | 51 ÷ 568 m <sup>3</sup>                                              |
| <b>Tipo di sbrinamento</b><br><i>Defrosting type</i>          | A                                                           | G-R                                                                | G-R                                                                  |



**PT...**  
(tampone / plug-in)



**PA...**  
(accavallato / saddle version)



## BLOCKSYSTEM

P

R404A

## Caratteristiche generali

Centralina elettronica di controllo

Pressostato di massima

Micro porta con cavo L = 2,5m

Luce cella con cavo L = 2,5m

Scarico diretto acqua di condensa

Cavo resistenza porta nei modelli LBP con cavo L = 2,5m

Cavo di alimentazione L = 2,5m

Imballo incluso

## Optional

Gas diverso

Voltaggio diverso

Condensazione ad acqua

Pannello remoto con cavo da 10m (dove non previsto)

Variatore di velocità ventole condensatore

Resistenza carter

Pressostato di bassa (dove non previsto)

Espansione a valvola termostatica (dove non prevista)

Monitor di tensione montato

Interruttore magnetotermico differenziale

Predisposizione per telegestione e/o Master e Slave

Sistema di telegestione

## General features

Electronic control panel

High pressure switch

Door micro switch with 2,5m long cable

Cold room light with 2,5m long cable

Condensing water direct discharge

Door heater cable for LBP items with 2,5m long cable

Power supply cable 2,5m long cable

Package included

## Optional

Different gas

Different voltage

Water condensation

Remote control panel with 10m long cable (when not provided)

Condenser fan speed variator

Crankcase heater

Low pressure switch (when not provided)

Thermostatic valve expansion (when not provided)

Fitted voltage monitor

Differential thermomagnetic switch

Presetting of electronic remote management and /or Master and Slave

Management software system

## Legenda/Legend

## Sbrinamento / Defrost

A = aria / air

G = gas caldo / hot gas

R = resistenza / electrical

## Espansione / Expansion

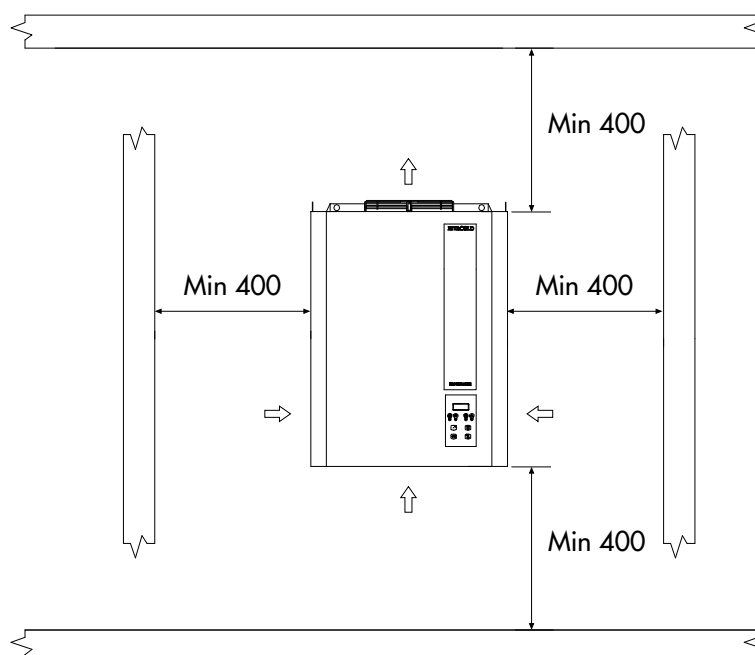
C = capillare / capillary tube

V = valvola / valve

## Tipo di compressore / Compressor type

E = ermetico / hermetic

SE = semiermetico / semi-hermetic



## R404A

| R404A<br>Code | Voltage       | Compressor |    | PED Category | Total Absorption |     | Condense fans<br>n° x ø m³/h | Evaporator<br>n° x ø m³/h f(m) | Weight<br>kg | Refrigeration Output/Cold room volume |            |   |     |            |      |      |           |           |      |           |      |      |           |      |      |      |      |      |      |      |      |
|---------------|---------------|------------|----|--------------|------------------|-----|------------------------------|--------------------------------|--------------|---------------------------------------|------------|---|-----|------------|------|------|-----------|-----------|------|-----------|------|------|-----------|------|------|------|------|------|------|------|------|
|               |               | HP         | kW |              | W <sub>in</sub>  | FLA |                              |                                |              | Ta = 25°C                             |            |   |     | Ta = 32°C  |      |      |           | Ta = 43°C |      |           |      |      |           |      |      |      |      |      |      |      |      |
|               | E             |            |    | 0            |                  |     | C                            | 2167                           | 5,1          | 2x300 1900                            | 2x315 3109 | 9 | 123 | Tc = +10°C |      |      | Tc = +5°C |           |      | Tc = +2°C |      |      | Tc = -5°C |      |      |      |      |      |      |      |      |
|               |               |            |    |              |                  |     |                              |                                |              |                                       |            |   |     | W          | m³   | W    | m³        | W         | m³   | W         | m³   | W    | m³        | W    | m³   | W    | m³   | W    | m³   |      |      |
|               | PA/PTI054Z002 | 400/3/50   | 2  | 1,470        | E                | 0   | C                            | 2167                           | 5,1          | 2x300 1900                            | 2x315 3109 | 9 | 123 | 6036       | 88,0 | 5531 | 73,0      | 5283      | 60,0 | 5342      | 73,4 | 4895 | 60,8      | 4675 | 50,0 | 4579 | 56,4 | 4196 | 46,7 | 4007 | 37,4 |

Condizioni di calcolo rese e assorbimenti (LBP): temp. gas aspirato +20°C, senza sottoraffreddamento del liquido, surriscaldamento utile 100%  
Capacity and absorption calculation conditions (LBP): suction gas temp. +20°C, without liquid subcooling, 100% useful heat

| R404A<br>Code | Voltage  | Compressor |       | PED Category | Expansion       |     | Total<br>Absorption | Condenser fans<br>n° x ø m³/h | Evaporator<br>n° x ø m³/h f(m) | Weight      |                   | Refrigeration Output/Cold room volume |                   |                   |                  |                   |                   |                  |                   |                   |                  |                   |           |     |       |     |       |     |       |     |     |
|---------------|----------|------------|-------|--------------|-----------------|-----|---------------------|-------------------------------|--------------------------------|-------------|-------------------|---------------------------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|-----------|-----|-------|-----|-------|-----|-------|-----|-----|
|               |          | HP         | kW    |              | W <sub>in</sub> | FLA |                     |                               |                                | kg          | Ta = 25°C         |                                       |                   |                   |                  |                   | Ta = 32°C         |                  |                   |                   |                  |                   | Ta = 43°C |     |       |     |       |     |       |     |     |
|               |          |            |       |              |                 |     |                     |                               |                                |             | Tc = +5°C<br>W m³ | Tc = 0°C<br>W m³                      | Tc = -5°C<br>W m³ | Tc = +5°C<br>W m³ | Tc = 0°C<br>W m³ | Tc = -5°C<br>W m³ | Tc = +5°C<br>W m³ | Tc = 0°C<br>W m³ | Tc = -5°C<br>W m³ | Tc = +5°C<br>W m³ | Tc = 0°C<br>W m³ | Tc = -5°C<br>W m³ |           |     |       |     |       |     |       |     |     |
| PA/PTM054Z002 | 400/3/50 | 2,5        | 1,840 | E            | 0               | C   | 2473                | 5,4                           | 2x300 1900                     | 2x315 3109  | 9                 | 129,5                                 | 5965              | 87                | 5648             | 65                | 4834              | 52               | 5279              | 72                | 4998             | 54                | 4278      | 43  | 4524  | 55  | 4284  | 41  | 3667  | 33  | MBP |
| PTM068Z012    | 400/3/50 | 3          | 2,200 | E            | 1               | V   | 3388                | 8,7                           | 2x350 3600                     | 2x350 4163  | 14                | 206,5                                 | 7838              | 120               | 7596             | 103               | 6737              | 82               | 6936              | 100               | 6722             | 86                | 5962      | 69  | 6193  | 80  | 6002  | 69  | 5323  | 55  |     |
| PTM080Z012    | 400/3/50 | 4,5        | 3,310 | E            | 2               | V   | 3561                | 8,0                           | 2x350 3600                     | 2x350 3825  | 14                | 222,5                                 | 9066              | 144               | 8467             | 117               | 7099              | 93               | 8023              | 120               | 7493             | 98                | 6282      | 78  | 7163  | 96  | 6690  | 78  | 5609  | 62  |     |
| PTM110Z012    | 400/3/50 | 5          | 3,675 | E            | 2               | V   | 4473                | 10,7                          | 3x350 7000                     | 2x450 9926  | 17                | 226,0                                 | 10692             | 174               | 10085            | 144               | 8717              | 115              | 9462              | 145               | 8925             | 120               | 7714      | 96  | 8448  | 116 | 7969  | 96  | 6888  | 76  |     |
| PTM140Z012    | 400/3/50 | 6,25       | 4,595 | E            | 2               | V   | 6076                | 15,4                          | 3x400 8000                     | 2x450 9162  | 17                | 290,5                                 | 13739             | 233               | 13136            | 193               | 11519             | 155              | 12158             | 194               | 11625            | 161               | 10194     | 129 | 10855 | 155 | 10379 | 129 | 9102  | 103 |     |
| PTM200Z012    | 400/3/50 | 7,5        | 5,515 | SE           | 1               | V   | 7150                | 16,2                          | 3x400 7800                     | 2x450 8663  | 16                | 370,5                                 | 17607             | 308               | 15415            | 330               | 13377             | 182              | 16023             | 265               | 13998            | 197               | 12112     | 155 | 13357 | 196 | 11615 | 146 | 9988  | 114 |     |
| PTM300Z012    | 400/3/50 | 9,5        | 6,982 | SE           | 2               | V   | 8952                | 21,7                          | 2x500 12500                    | 2x500 12418 | 19                | 665,0                                 | 21941             | 429               | 21001            | 326               | 18497             | 260              | 19417             | 358               | 18585            | 272               | 16369     | 217 | 17337 | 286 | 16594 | 217 | 14615 | 173 |     |
| PTM370Z012    | 400/3/50 | 12,5       | 9,191 | SE           | 2               | V   | 10392               | 23,9                          | 2x500 12100                    | 2x500 11459 | 18                | 746,0                                 | 26108             | 518               | 24992            | 395               | 22077             | 315              | 23104             | 432               | 22117            | 329               | 19537     | 263 | 20629 | 345 | 19747 | 263 | 17444 | 210 |     |

Condizioni di calcolo rese e assorbimenti (MBP): temp. gas aspirato +20°C, senza sottoraffreddamento del liquido, surriscaldamento utile 100%  
Capacity and absorption calculation conditions (MBP): suction gas temp. +20°C, without liquid subcooling, 100% useful heat

| R404A<br>Code | Voltage  | Compressor |        | PED Category | Expansion       |     | Total<br>Absorption | Condenser fans | Evaporator  | Weight      |                  | Refrigeration Output/Cold room volume |            |     |            |     |            |           |            |     |            |     |            |           |            |     |            |     |            |     |     |
|---------------|----------|------------|--------|--------------|-----------------|-----|---------------------|----------------|-------------|-------------|------------------|---------------------------------------|------------|-----|------------|-----|------------|-----------|------------|-----|------------|-----|------------|-----------|------------|-----|------------|-----|------------|-----|-----|
|               |          |            |        |              |                 |     |                     |                |             |             |                  | Ta = 25°C                             |            |     |            |     |            | Ta = 32°C |            |     |            |     |            | Ta = 43°C |            |     |            |     |            |     |     |
|               |          | HP         | kW     |              | W <sub>in</sub> | FLA |                     |                |             | n° x ø m³/h | n° x ø m³/h f(m) | kg                                    | Tc = -15°C |     | Tc = -20°C |     | Tc = -25°C |           | Tc = -15°C |     | Tc = -20°C |     | Tc = -25°C |           | Tc = -15°C |     | Tc = -20°C |     | Tc = -25°C |     |     |
|               |          |            |        |              |                 |     |                     |                |             |             |                  |                                       | W          | m³  | W          | m³  | W          | m³        | W          | m³  | W          | m³  | W          | m³        | W          | m³  | W          | m³  | W          | m³  | W   |
| PA/PTI034Z002 | 400/3/50 | 4          | 2,940  | E            | 2               | C   | 2871                | 5,6            | 2x300 1900  | 2x315 3109  | 9                | 141,5                                 | 4702       | 76  | 3952       | 61  | 3406       | 45        | 4161       | 64  | 3497       | 51  | 3014       | 37        | 3566       | 48  | 2997       | 38  | 2583       | 28  | LBP |
| PTI060Z012    | 400/3/50 | 3,5        | 2,573  | SE           | 1               | V   | 2920                | 7,4            | 2x350 3600  | 2x350 4163  | 14               | 227,0                                 | 4841       | 80  | 4109       | 69  | 3647       | 50        | 4284       | 67  | 3636       | 58  | 3227       | 42        | 3825       | 53  | 3246       | 46  | 2881       | 33  |     |
| PTI080Z012    | 400/3/50 | 3,5        | 2,573  | SE           | 1               | V   | 3210                | 8,3            | 2x350 3600  | 2x350 3825  | 14               | 233,0                                 | 5918       | 108 | 5060       | 94  | 4520       | 68        | 5237       | 90  | 4478       | 78  | 4000       | 57        | 4076       | 72  | 3998       | 63  | 3571       | 45  |     |
| PTI130Z012    | 400/3/50 | 5,5        | 4,044  | SE           | 1               | V   | 4790                | 11,8           | 3x350 7000  | 2x450 4163  | 17               | 329,5                                 | 7946       | 164 | 6786       | 143 | 6055       | 103       | 7032       | 137 | 6005       | 119 | 5358       | 86        | 6279       | 110 | 5362       | 95  | 4784       | 69  |     |
| PTI180Z012    | 400/3/50 | 6,5        | 4,780  | SE           | 1               | V   | 5740                | 14,6           | 3x400 8000  | 2x450 3825  | 17               | 349,5                                 | 10737      | 253 | 9132       | 218 | 7634       | 144       | 9668       | 216 | 8208       | 186 | 6843       | 128       | 7884       | 152 | 6672       | 130 | 5531       | 85  |     |
| PTI200Z012    | 400/3/50 | 7,5        | 5,515  | SE           | 1               | V   | 6807                | 16,6           | 3x400 7800  | 2x450 9926  | 16               | 406,5                                 | 11932      | 291 | 10174      | 252 | 8554       | 168       | 10771      | 249 | 9159       | 215 | 7669       | 151       | 8815       | 177 | 7437       | 150 | 6168       | 98  |     |
| PTI260Z012    | 400/3/50 | 10         | 7,355  | SE           | 1               | V   | 7315                | 17,7           | 3x400 7800  | 2x450 9162  | 16               | 411,0                                 | 15500      | 410 | 13165      | 352 | 11690      | 252       | 13717      | 342 | 11650      | 294 | 10345      | 210       | 12247      | 274 | 10402      | 235 | 9237       | 168 |     |
| PTI350Z012    | 400/3/50 | 15         | 11,030 | SE           | 2               | V   | 13538               | 32,8           | 2x500 12500 | 2x500 8663  | 19               | 771,0                                 | 21243      | 620 | 17977      | 528 | 15915      | 375       | 18799      | 517 | 15909      | 440 | 14084      | 313       | 16785      | 413 | 14204      | 352 | 12575      | 250 |     |
| PTI450Z012    | 400/3/50 | 20         | 14,705 | SE           | 2               | V   | 15589               | 35,2           | 2x500 12100 | 2x500 8663  | 18               | 804,0                                 | 25817      | 798 | 22006      | 681 | 19603      | 489       | 22847      | 665 | 19474      | 568 | 17348      | 408       | 20399      | 532 | 17388      | 454 | 15489      | 326 |     |

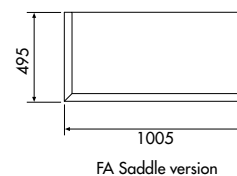
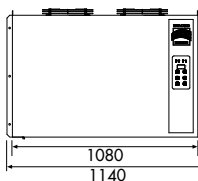
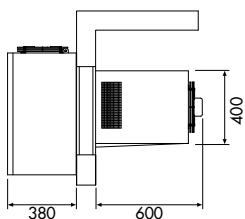
Condizioni di calcolo rese e assorbimenti (LBP): temp. gas aspirato 0°C, senza sottoraffreddamento del liquido, surriscaldamento utile 100%  
Capacity and absorption calculation conditions (LBP): suction gas temp. 0°C, without liquid subcooling, 100% useful heat

# BLOCKSYSTEM

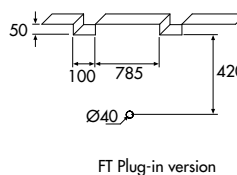
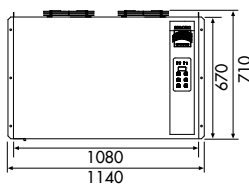
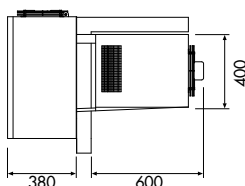
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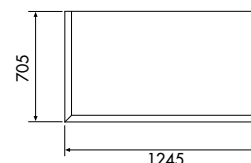
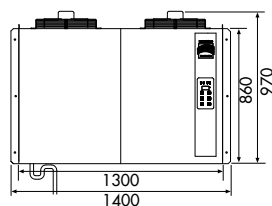
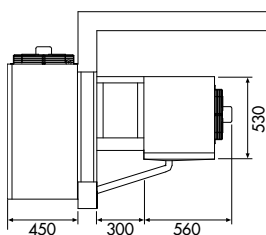
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PTM054Z002  
PTL034Z002



2X300 PAH054Z002  
PAM054Z002  
PAL034Z002

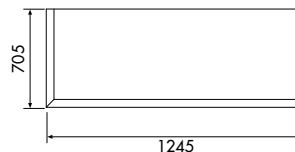
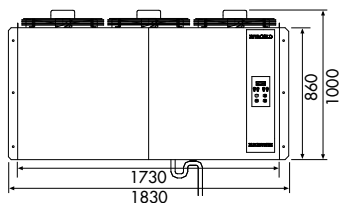
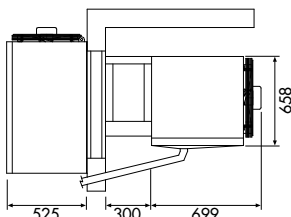


2x350 PTM068Z012  
PTM080Z012  
PTL060Z012  
PTL080Z012

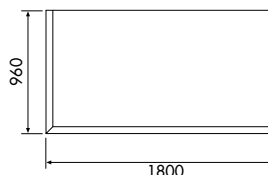
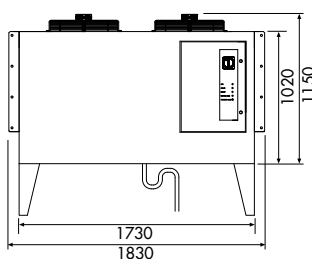
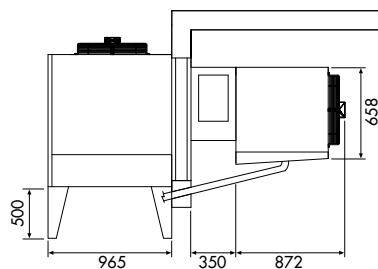


3X350 PTM110Z012  
PTL130Z012

3x400 PTM140Z012  
PTM200Z012  
PTL180Z012  
PTL200Z012  
PTL260Z012



2X500 PTM300Z012  
PTM370Z012  
PTL350Z012  
PTL450Z012



Per ulteriori informazioni, contattare il nostro ufficio tecnico / For further information, please contact our technical dept

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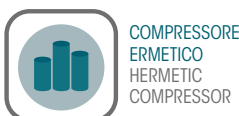
Descriptions, technical data and pictures are to be considered as a guide and not binding. Rivacold reserves the right to change in whole or part, the specification detailed in this documentation without prior notice and, when necessary to achieve continuous productions, to use alternative manufactures of components for design accomplishment.

# MONOBLOCCHI PER CELLE FRIGORIFERE PACKAGED UNITS FOR COLD ROOMS

BLOCKSYSTEM - INSTALLAZIONE A PARETE  
 BLOCKSYSTEM - WALL MOUNT INSTALLATION



## LOW GWP SOLUTIONS



|                                                           | HBP_R452A                             | MBP_R452A                                    | MBP_R449A                                         | LBP_R452A                             | LBP_R449A                                        |
|-----------------------------------------------------------|---------------------------------------|----------------------------------------------|---------------------------------------------------|---------------------------------------|--------------------------------------------------|
| CAMPO DI ESERCIZIO (Tc)<br>OPERATING RANGE (Tc)           | +10°C ÷ +2°C                          | +5°C ÷ -5°C                                  |                                                   | -15°C ÷ -25°C                         |                                                  |
| SPOSTAMENTO VOLUME COMPRESSORE<br>COMPRESSOR DISPLACEMENT | 43.5 cm <sup>3</sup>                  | 56.65 cm <sup>3</sup> ÷ 134.8cm <sup>3</sup> | 26.84 m <sup>3</sup> /h ÷ 41.33 m <sup>3</sup> /h | 112.5 cm <sup>3</sup>                 | 16.24 m <sup>3</sup> /h ÷ 84.5 m <sup>3</sup> /h |
| VOLUME CELLA<br>COLD ROOM VOLUME                          | 44 m <sup>3</sup> ÷ 72 m <sup>3</sup> | 38 m <sup>3</sup> ÷ 200 m <sup>3</sup>       | 166 m <sup>3</sup> ÷ 496 m <sup>3</sup>           | 28 m <sup>3</sup> ÷ 55 m <sup>3</sup> | 41 m <sup>3</sup> ÷ 636 m <sup>3</sup>           |

## CARATTERISTICHE GENERALI

**REFRIGERANTI A BASSO GWP:** la gamma di monoblocchi della serie P, progettata per refrigeranti a basso GWP (<2500) offre una soluzione eco-sostenibile a lungo termine con gli standard di qualità e sicurezza dei prodotti Rivacold. La gamma si suddivide in due parti a seconda della tipologia di compressori e del gas di validazione: compressori ermetici (R452A) e compressori semiermetici (R449A) per applicazioni di celle frigorifere di alta, media e bassa temperatura.

**FACILE INSTALLAZIONE:** la gamma è stata progettata tenendo conto dell'importanza di dimensioni compatte anche per sistemi di media e grande potenza per una rapida messa in opera e facile accessibilità. L'installazione a parete (con le staffe di supporto a pavimento per i modelli più grandi), è disponibile nella versione a tampone per tutti i modelli (PT) mentre per i modelli con condensatore 2x300 anche nella versione accavallata (PA). Le schede complete sono disponibili nel programma SELECT con rese frigorifere fino a 43°C ambiente.

## GENERAL FEATURES

**LOW GWP REFRIGERANTS:** the P packaged systems range, has been designed for low GWP refrigerants (<2500) and offer a good long term eco-sustainable solution with the safety and quality standard granted by Rivacold products. The range is divided in two groups according to the compressors type and the approved refrigerant: hermetic compressors for R452A and semi-hermetic compressors for R449A for applications in high, medium and low temperature cold rooms.

**EASY FIX:** the range has been designed taking into account a small footprint also for systems of medium and big capacities in order to have an fast start-up and an easy accessibility. The wall mount installation (with floor support brackets for the bigger sizes) is available in its plug-in version for all models (PT), while for the models having a 2x300 condenser also in the saddle version (PA). The complete technical tables are available in the SELECT program with refrigerating capacities up to 43°C ambient temperature.

**DATI TECNICI E TABELLA RESE MODELLI HBP - HBP MODELS TECHNICAL DATA AND PERFORMANCE**


| MODEL         | COMPRESSOR |                      | REFRIGERATION CAPACITY |      |       |      | PED | EXPANSION | DEFROST | ABSORPTION |      | CONDENSER |      | EVAPORATOR |      |    |      | NET WEIGHT |
|---------------|------------|----------------------|------------------------|------|-------|------|-----|-----------|---------|------------|------|-----------|------|------------|------|----|------|------------|
|               | type       | E [cm³]<br>SE [m³/h] | Tc 5°C/Tamb 32°C       |      |       |      | CAT |           |         | Win        | In   | no. x Ø   | m³/h | no. x Ø    | m³/h | Wd | f(m) | kg         |
|               |            |                      | R452A                  |      | R449A |      |     |           |         |            |      |           |      |            |      |    |      |            |
|               |            |                      | [W]                    | [m³] | [W]   | [m³] |     |           |         |            |      |           |      |            |      |    |      |            |
| PA/PTH054G002 | E          | 43.5                 | 4569                   | 56.7 | -     | -    | 0   | C         | A       | 2268       | 5.34 | 2 X 300   | 1900 | 2 X 315    | 3109 |    | 9    | 132        |

**DATI TECNICI E TABELLA RESE MODELLI MBP - MBP MODELS TECHNICAL DATA AND PERFORMANCE**


| MODEL         | COMPRESSOR |                      | REFRIGERATION CAPACITY |       |       |       | PED | EXPANSION | DEFROST | ABSORPTION |       | CONDENSER |       | EVAPORATOR |       |       |      | NET WEIGHT |
|---------------|------------|----------------------|------------------------|-------|-------|-------|-----|-----------|---------|------------|-------|-----------|-------|------------|-------|-------|------|------------|
|               | type       | E [cm³]<br>SE [m³/h] | Tc 0°C / Tamb 32°C     |       |       |       | CAT |           |         | Win        | In    | no. x Ø   | m³/h  | no. x Ø    | m³/h  | Wd    | f(m) | kg         |
|               |            |                      | R452A                  |       | R449A |       |     |           |         |            |       |           |       |            |       |       |      |            |
|               |            |                      | [W]                    | [m³]  | [W]   | [m³]  |     |           |         |            |       |           |       |            |       |       |      |            |
|               |            |                      |                        |       |       |       |     |           |         |            |       |           |       |            |       |       |      |            |
| PA/PTM054G012 | E          | 56.65                | 4499                   | 48.6  | -     | -     | 0   | V         | G       | 2442       | 5.33  | 2 X 300   | 1900  | 2 X 315    | 3109  | -     | 9    | 167        |
| PTM068G012    | E          | 74.25                | 5583                   | 71.4  | -     | -     | 1   | V         | R       | 3272       | 8.4   | 2 X 350   | 3600  | 2 X 350    | 4162  | 3300  | 14   | 206.5      |
| PTM080G012    | E          | 100.7                | 6603                   | 86.4  | -     | -     | 2   | V         | R       | 3667       | 8.24  | 2 x 350   | 3600  | 2 X 350    | 3825  | 3300  | 14   | 222.5      |
| PTM110G012    | E          | 112.5                | 7947                   | 106.8 | -     | -     | 2   | V         | R       | 4475       | 10.7  | 3 x 350   | 7000  | 2 x 450    | 9926  | 5500  | 17   | 266        |
| PTM140G012    | E          | 134.8                | 10834                  | 150   | -     | -     | 2   | V         | R       | 5497       | 13.93 | 3 x 400   | 8000  | 2 x 450    | 9161  | 6600  | 17   | 290.5      |
| PTM200R012    | SE         | 26.84                | -                      | -     | 15189 | 213.7 | 1   | V         | R       | 6636       | 15.04 | 3 x 400   | 7800  | 2 x 450    | 8662  | 6600  | 16   | 370.5      |
| PTM300R012    | SE         | 32.48                | -                      | -     | 19114 | 279.7 | 2   | V         | R       | 10008      | 25.2  | 2 X 500   | 12500 | 2 X 500    | 12417 | 14400 | 19   | 665        |
| PTM370R012    | SE         | 41.33                | -                      | -     | 22898 | 340.6 | 2   | V         | R       | 11324      | 26.04 | 2 X 500   | 12100 | 2 X 500    | 11459 | 14400 | 18   | 746        |

**DATI TECNICI E TABELLA RESE MODELLI LBP - LBP MODELS TECHNICAL DATA AND PERFORMANCE**


| MODEL         | COMPRESSOR |                      | REFRIGERATION CAPACITY |      |       |       | PED | EXPANSION | DEFROST | ABSORPTION |       | CONDENSER |       | EVAPORATOR |       |       |      | NET WEIGHT |
|---------------|------------|----------------------|------------------------|------|-------|-------|-----|-----------|---------|------------|-------|-----------|-------|------------|-------|-------|------|------------|
|               | type       | E [cm³]<br>SE [m³/h] | Tc -20°C / Tamb 32°C   |      |       |       | CAT |           |         | Win        | In    | no. x Ø   | m³/h  | no. x Ø    | m³/h  | Wd    | f(m) | kg         |
|               |            |                      | R452A                  |      | R449A |       |     |           |         |            |       |           |       |            |       |       |      |            |
|               |            |                      | [W]                    | [m³] | [W]   | [m³]  |     |           |         |            |       |           |       |            |       |       |      |            |
| PA/PTL034G012 | E          | 112.5                | 2939                   | 42.8 | -     | -     | 2   | V         | G       | 2456       | 4.79  | 2 X 300   | 1900  | 2 X 315    | 3109  | -     | 9    | 182        |
| PTL060R012    | SE         | 16.24                | -                      | -    | 3918  | 62.5  | 1   | V         | R       | 3490       | 6.31  | 2 X 350   | 3600  | 2 X 350    | 4162  | 3300  | 14   | 227        |
| PTL080R012    | SE         | 18.05                | -                      | -    | 4478  | 78    | 1   | V         | R       | 3210       | 8.3   | 2 X 350   | 3600  | 2 X 350    | 3825  | 3300  | 14   | 233        |
| PTL130R012    | SE         | 26.84                | -                      | -    | 6040  | 119.6 | 1   | V         | R       | 3910       | 9.63  | 3 x 350   | 7000  | 2 x 450    | 9926  | 5500  | 17   | 329.5      |
| PTL180R012    | SE         | 32.48                | -                      | -    | 8132  | 184.2 | 1   | V         | R       | 4935       | 12.55 | 3 x 400   | 8000  | 2 x 450    | 9161  | 6600  | 17   | 349.5      |
| PTL200R012    | SE         | 41.33                | -                      | -    | 9970  | 234   | 1   | V         | R       | 5408       | 13.19 | 3 x 400   | 7800  | 2 x 450    | 8662  | 6600  | 16   | 406.5      |
| PTL260R012    | SE         | 48.5                 | -                      | -    | 10555 | 266.3 | 1   | V         | R       | 5523       | 13.36 | 3 x 400   | 7800  | 2 x 450    | 8662  | 6600  | 16   | 411        |
| PTL350R012    | SE         | 73.6                 | -                      | -    | 16144 | 446.5 | 2   | V         | R       | 11791      | 28.57 | 2 X 500   | 12500 | 2 X 500    | 12417 | 14400 | 19   | 771        |
| PTL450R012    | SE         | 84.5                 | -                      | -    | 18370 | 535.8 | 2   | V         | R       | 13712      | 30.96 | 2 X 500   | 12100 | 2 X 500    | 11459 | 14400 | 18   | 804        |

**R449A (1397 GWP) R452A (GWP 2140)**

I prodotti in questo catalogo sono apparecchiature il cui funzionamento dipende da gas fluorurati a effetto serra.  
 Products in this catalogue are equipment whose functioning relies upon fluorinated greenhouse gases.

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