

**HIGHLY**

# Rollkolben Kompressoren

## *Rotary Compressors*



**R 134a - R 410A - R 407C**

**R 452B – R 454B – R 454C**

**R 513A - R1234yf R 1234ze**

**R 744 - R 290 - R 600**

**R 32**

**RIES** GmbH, Rudolf-Diesel-Str. 10, 64569 Nauheim , GERMANY

Fon: +49 6152 9741 0, Fax: +49 6152 9741 21, Email: [info@ries-gmbh.de](mailto:info@ries-gmbh.de), [www.ries-gmbh.de](http://www.ries-gmbh.de)

### R 134a

| Modell<br>Model                                        | Kälteleistung<br>Cooling capacity |      | Motor<br>Leistung<br>Power | Hub-<br>volumen<br>Dis-<br>placement | COP  | Spannung<br>Voltage | Höhe<br>Height | Ø   | Gewicht<br>Weight | Betriebs-<br>Kond<br>RunCap | Palletten-<br>menge<br>Pallet<br>size |
|--------------------------------------------------------|-----------------------------------|------|----------------------------|--------------------------------------|------|---------------------|----------------|-----|-------------------|-----------------------------|---------------------------------------|
|                                                        | Btu                               | W    | W                          | cm <sup>3</sup> /rev                 | W/W  |                     | mm             | mm  | Kg                | mFd                         |                                       |
| <b>R 134a Kompressoren für Kälte- und Klimatechnik</b> |                                   |      |                            |                                      |      |                     |                |     |                   |                             |                                       |
| BSA272CV                                               | 955                               | 280  | 127                        | 2,72                                 | 2,20 | 220-240V/50Hz       | 143            | 92  | 3,5               | 4,0                         | 147                                   |
| BSA357CV                                               | 1245                              | 365  | 170                        | 3,57                                 | 2,15 |                     | 143            | 92  | 4                 | 4,7                         | 147                                   |
| BSA357DT                                               | 1245                              | 365  | 187                        | 3,57                                 | 1,95 | 230V/50/60Hz        | 143            | 92  | 4                 | 6,5                         | 147                                   |
| BSA357CW                                               | 1580                              | 465  | 211                        | 3,57                                 | 2,20 | 115-120V/60Hz       | 143            | 92  | 4                 | 15                          | 147                                   |
| BSA460CV                                               | 1671                              | 490  | 213                        | 4,60                                 | 2,30 | 220-240V/50Hz       | 169            | 111 | 4,5               | 6,5                         | 147                                   |
| BSA586CV                                               | 2182                              | 640  | 267                        | 5,86                                 | 2,40 |                     | 169            | 92  | 4,6               | 8,0                         | 147                                   |
| BSA645CV                                               | 2360                              | 692  | 293                        | 6,45                                 | 2,35 |                     | 169            | 92  | 4,6               | 6,5                         | 147                                   |
| BSD104DV                                               | 4040                              | 1184 | 395                        | 10,4                                 | 3,00 |                     | 221            | 112 | 8,7               | 15                          | 72                                    |
| BSD122DV                                               | 4780                              | 1400 | 467                        | 12,2                                 | 3,00 |                     | 233            | 112 | 9,1               | 17                          | 72                                    |
| BSD156DV                                               | 6170                              | 1810 | 605                        | 15,6                                 | 3,00 | 230V/50/60Hz        | 272            | 112 | 9,1               | 25                          | 72                                    |
| BSA645DT                                               | 2934                              | 692  | 315                        | 6,45                                 | 2,20 |                     | 169            | 92  | 5                 | 8,0                         | 147                                   |
| BSD122DT                                               | 4800                              | 1420 | 473                        | 12,20                                | 3,00 |                     | 233            | 112 | 9,1               | 17                          | 72                                    |
| BSL180DT                                               | 7270                              | 2130 | 710                        | 18,0                                 | 3,00 |                     | 233            | 129 | 13,6              | 35                          | 50                                    |
| BSL253DT                                               | 9880                              | 2895 | 1072                       | 25,3                                 | 2,70 |                     | 233            | 129 | 14                | 35                          | 50                                    |



| Modell<br>Model                                                        | Heiz-<br>leistung   | Kälte-<br>leistung  | Leistungs-<br>aufnahme | Hub-<br>volumen      | COP  | Spannung<br>***   | Höhe   | Ø   | Ge-<br>wicht | Betriebs-<br>konden-<br>sator | Palletten-<br>menge |
|------------------------------------------------------------------------|---------------------|---------------------|------------------------|----------------------|------|-------------------|--------|-----|--------------|-------------------------------|---------------------|
|                                                                        | Heating<br>capacity | Cooling<br>capacity | Power                  | Displace-<br>ment    |      | Voltage<br>***    | Height |     |              | Run<br>Capacitor              | Palet<br>size       |
|                                                                        | Watt                | Watt                | W                      | cm <sup>3</sup> /rev | W/W  | V/Hz              | mm     | mm  | kg           | mFd                           |                     |
| <b>R 134a WHP Kompressoren für Wärmepumpen, Kälte und Klimatechnik</b> |                     |                     |                        |                      |      |                   |        |     |              |                               |                     |
| WHP00430BCX**                                                          | 435                 | 290                 | 140                    | 2,72                 | 3,28 | 220-240V/50/60Hz  | 163    | 92  | 3,5          | 4                             | 147                 |
| WHP00535BCX**                                                          | 551                 | 376                 | 175                    | 3,57                 | 3,15 | 220-240V/50/60Hz  | 156    | 92  | 4,12         | 6,5                           | 147                 |
| WHP00680BSX**                                                          | 757                 | 545                 | 207                    | 4,6                  | 3,57 | 220-240/1/50/60Hz | 163    | 92  | 4,5          | 6                             | 147                 |
| WHP00930BSV**                                                          | 1005                | 755                 | 241                    | 6,3                  | 4,02 | 220-240V//50Hz    | 238    | 112 | 4,8          | 10                            | 72                  |
| WHP00990BCV**                                                          | 941                 | 666                 | 275                    | 6,45                 | 3,55 | 220-240V//50Hz    | 217    | 92  | 5,1          | 7                             | 147                 |
| WHP01600BSV**                                                          | 1670                | 1270                | 400                    | 10,2                 | 4,05 | 220-240V//50Hz    | 231    | 112 | 9,0          |                               | 72                  |
| WHP01900BSV**                                                          | 1965                | 1510                | 455                    | 12,2                 | 4,15 | 220-240V//50Hz    | 233    | 112 | 9,2          | 15                            | 72                  |
| WHP01900BUV**                                                          | 1975                | 1525                | 450                    | 12,2                 | 4,20 | 220-240V//50Hz    | 238    | 112 | 9,9          | 15                            | 72                  |
| WHP02830BSV**                                                          | 2815                | 2120                | 695                    | 18                   | 4,05 | 220-240V//50Hz    | 277    | 129 | 14,2         | 35                            | 50                  |
| WHP03970BSV**                                                          | 4090                | 3185                | 955                    | 25,3                 | 4,25 | 220-240V//50Hz    | 277    | 129 | 14,2         | 35                            | 50                  |
| WHP05100BSV**                                                          | 5575                | 4235                | 1300                   | 33,6                 | 4,20 | 220-240V//50Hz    | 287    | 139 | 16,3         | 50                            | 50                  |

\*\* Sehen Sie auch die neuere Ausführung für die KM R 134a, R 513A, R 1234yf, ze: \*\* See also newer version for refrigerants R 134a, R 513A, R 1234yf, ..ze

| <b>R 134a DC-WHP Kompressoren für Wärmepumpen, Kälte und Klimatechnik</b> |                   |                    |                        |                      |      |               |                  |                     |      |     |         |         |
|---------------------------------------------------------------------------|-------------------|--------------------|------------------------|----------------------|------|---------------|------------------|---------------------|------|-----|---------|---------|
| Modell                                                                    | Heiz-<br>leistung | Kälte-<br>leistung | Leistungs-<br>aufnahme | Hub<br>Vol           | COP  | Span-<br>nung | Nenn<br>Drehzahl | Drehzahl<br>bereich | Höhe | Ø   | Gewicht | Palette |
|                                                                           | W                 | W                  | W                      | cm <sup>3</sup> /rev | W/W  |               | min-1            | min-1               | mm   | mm  | kg      |         |
| WHP01500BSD                                                               | 1490              | 1155               | 335                    | 8,04                 | 4,45 | DC<br>BLDC    | 3600             | 1200 - 7200         | 185  | 92  | 4,7     | 72      |
| WHP04000VRK**                                                             | 1900              | 1470               | 430                    | 10,2                 | 4,42 |               | 3600             | 1000 - 7000         | 225  | 113 | 9,2     | 72      |
| WHP03240BSK                                                               | 3240              | 2500               | 740                    | 15,1                 | 4,37 |               | 3970             | 900 - 7200          | 261  | 119 | 11      | 72      |
| WHP04500BSD*                                                              | 4510              | 3510               | 1000                   | 23,2                 | 4,51 |               | 3600             | 900 - 7200          | 299  | 129 | 13,6    | 50      |
| WHP08750VSD**                                                             | 4860              | 3750               | 1110                   | 25,3                 | 4,37 |               | 3640             | 900 - 7200          | 277  | 129 | 13      | 50      |

\*\* + R410A

| <b>R 134a DC-Rollkolbenverdichter für Klima- und Kältetechnik</b> |                  |                    |                                   |                              |      |               |                       |                     |      |    |         |                     |
|-------------------------------------------------------------------|------------------|--------------------|-----------------------------------|------------------------------|------|---------------|-----------------------|---------------------|------|----|---------|---------------------|
| Modell                                                            | Kälte-<br>mittel | Kälte-<br>leistung | Leis-<br>tungs-<br>aufn.<br>Power | Hub<br>Vol<br>Dis-<br>placmt | COP  | Span-<br>nung | Nenn<br>Dreh-<br>zahl | Drehzahl<br>bereich | Höhe | Ø  | Gewicht | Palletten-<br>menge |
|                                                                   | Refrigerant      | W                  | W                                 | cm <sup>3</sup> /rev         | W/W  |               | min-1                 | min-1               | mm   | mm | kg      |                     |
| BSA586SDM                                                         | R 134a           | 744                | 232                               | 5,86                         | 3,34 | DC<br>BLDC    | 3180                  | 2000 - 6000         | 172  | 92 | 3,8     | 147                 |
|                                                                   | R 513A           |                    |                                   | 5,86                         |      |               |                       |                     |      |    |         |                     |
| BSA804SD                                                          | R 134a           | 960                | 278                               | 8,04                         | 3,45 |               | 3000                  | 2400 - 7200         | 185  | 92 | 4,7     | 72                  |
|                                                                   | R 513A           |                    |                                   | 8,04                         |      |               |                       |                     |      |    |         |                     |



| WHP Kompressoren für R 134a - R 513A- R 1234yf - R 1234ze |                            |                                          |                                           |                                  |                                     |      |                          |                 |       |                        |                                                   |              |
|-----------------------------------------------------------|----------------------------|------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------|------|--------------------------|-----------------|-------|------------------------|---------------------------------------------------|--------------|
| Modell<br>Model                                           | Kältemittel<br>Refrigerant | Heiz-<br>leistung<br>Heating<br>Capacity | Kälte-<br>leistung<br>Cooling<br>Capacity | Leis-<br>tungs<br>aufn.<br>Power | Hub<br>volumen<br>Displace-<br>ment | COP* | Spannun-<br>g<br>Voltage | Höhe<br>Height  | Ø     | Ge-<br>wicht<br>Weight | Betriebs-<br>konden-<br>sator<br>Run<br>Capacitor | Palet-<br>te |
| WHP00535VCV                                               | R 134a                     | 600                                      | 380                                       | 222                              | 3,57                                | 2,68 | 230V/1/<br>50/60Hz       | 139<br>+37,5    | 92    | 3,5                    | 6,5                                               | 147          |
|                                                           | R 513A                     | 610                                      | 383                                       | 228                              |                                     | 2,65 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 575                                      | 359                                       | 214                              |                                     | 2,68 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   | 459                                      | 283                                       | 166                              |                                     | 2,7  |                          |                 |       |                        |                                                   |              |
| WHP00990VCT                                               | R 134a                     | 1065                                     | 710                                       | 355                              | 6,45                                | 3,00 | 230V/1/<br>50/60Hz       | 169 +<br>37,5   | 92    | 4,6                    | 8                                                 | 147          |
|                                                           | R 513A                     | 1090                                     | 725                                       | 364                              |                                     | 2,99 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 1022                                     | 682                                       | 340                              |                                     | 3,00 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   | 850                                      | 580                                       | 270                              |                                     | 3,15 |                          |                 |       |                        |                                                   |              |
| WHP00930VUV                                               | R 134a                     | 951                                      | 715                                       | 238                              | 6,3                                 | 4,04 | 220-240V/1/<br>50Hz      | 225,5 +<br>33,5 | 112,2 | 4,8                    | 10                                                | 72           |
|                                                           | R 513A                     | 975                                      | 735                                       | 244                              |                                     | 3,99 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 917                                      | 690                                       | 230                              |                                     | 3,99 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   |                                          |                                           |                                  |                                     |      |                          |                 |       |                        |                                                   |              |
| WHP01900VUV                                               | R 134a                     | 1895                                     | 1445                                      | 450                              | 12,2                                | 4,3  | 220-240V/1/<br>50Hz      | 242,9 +<br>35,5 | 112,2 | 10,5                   | 15,0                                              | 72           |
|                                                           | R 513A                     | 1895                                     | 1445                                      | 450                              |                                     | 4,21 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 1905                                     | 1452                                      | 453                              |                                     | 4,2  |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   | 1440                                     | 1075                                      | 365                              |                                     | 3,95 |                          |                 |       |                        |                                                   |              |
| WHP02830VUV                                               | R 134a                     | 2805                                     | 2140                                      | 665                              | 18,0                                | 4,22 | 220-240V/1/<br>50Hz      | 277             | 129   | 14,2                   | 35                                                | 50           |
|                                                           | R 513A                     | 2927                                     | 2238                                      | 689                              |                                     | 4,25 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 2750                                     | 2100                                      | 648                              |                                     | 4,24 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   |                                          |                                           |                                  |                                     |      |                          |                 |       |                        |                                                   |              |
| WHP03970VUX                                               | R 134a                     | 3860                                     | 2950                                      | 910                              | 25,3                                | 4,24 | 220-240V/1/<br>50/60Hz   | 277             | 129   | 14,2                   | 35                                                | 50           |
|                                                           | R 513A                     | 3960                                     | 3015                                      | 945                              |                                     | 4,19 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 2995                                     | 2220                                      | 685                              |                                     | 4,24 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234ze                   |                                          |                                           |                                  |                                     |      |                          |                 |       |                        |                                                   |              |
| WHP05100VUX                                               | R 134a                     | 5105                                     | 3935                                      | 1170                             | 33,6                                | 4,36 | 220-240V/1/<br>50/60Hz   | 287             | 139   | 16,3                   | 50                                                | 50           |
|                                                           | R 513A                     | 5297                                     | 4097                                      | 1200                             |                                     | 4,41 |                          |                 |       |                        |                                                   |              |
|                                                           | R 1234yf                   | 3903                                     | 2753                                      | 1150                             |                                     | 3,39 |                          |                 |       |                        |                                                   |              |
|                                                           | R 407C                     | 5640                                     | 3980                                      | 1660                             |                                     | 3,40 |                          |                 |       |                        |                                                   |              |
|                                                           | R 454C                     | 5180                                     | 3655                                      | 1526                             |                                     | 3,39 |                          |                 |       |                        |                                                   |              |
| WHP07650BSV                                               | R 513A                     | 7600                                     | 5740                                      | 1860                             | 48,8                                | 4,09 | 220-240V/1/50Hz          | 372             |       |                        | 60                                                | a.A.         |

**R 134**  
**R 513A**  
**R 1234yf**  
**R 1234ze**  
**R 744**



| Mini DC Rotary Kompressoren für R 134a, R 600, R 1234yf , R 513A |                            |                        |                                  |                       |         |      |                     |                      |      |    |         |         |
|------------------------------------------------------------------|----------------------------|------------------------|----------------------------------|-----------------------|---------|------|---------------------|----------------------|------|----|---------|---------|
| Modell<br>Model                                                  | Kältemittel<br>Refrigerant | Kälte<br>leis-<br>tung | Leis-<br>tungs<br>aufn.<br>Power | Nenn<br>Dreh-<br>zahl | Hub Vol | COP  | Drehzahl<br>bereich | Span-<br>nung        | Höhe | Ø  | Gewicht | Palette |
|                                                                  |                            | W                      |                                  | min-1                 | cm3/rev | W/W  | min-1               | V//Ph/Hz             | mm   | mm | kg      |         |
| BSW014KE                                                         | R 134a                     | 235                    | 97                               | 4500                  | 1,4     | 2,38 | 2400 - 6000         | 12-36Vdc<br>36-60Vdc | 110  | 60 | 0,98    |         |
|                                                                  | R 600                      |                        |                                  |                       |         |      |                     |                      |      |    |         |         |
|                                                                  | R 1234yf                   |                        |                                  |                       |         |      |                     |                      |      |    |         |         |
| BSW020SK                                                         | R 134a                     | 346                    | 141                              |                       | 2,0     | 2,45 | 1260-6000           | 200-240<br>Vac       |      |    | 1,04    |         |
|                                                                  | R 600                      |                        |                                  |                       |         |      |                     |                      |      |    |         |         |
|                                                                  | R 1234yf                   |                        |                                  |                       |         |      |                     |                      |      |    |         |         |
| VSW014SKW3                                                       | R 134a                     | 238                    | 84                               |                       | 1,4     | 2,83 | 1260-6000           | 200-240<br>Vac       |      |    | 1,17    |         |
|                                                                  | R 513A                     | 244                    | 87,5                             |                       |         | 2,79 |                     |                      |      |    |         |         |
| VSW020SKMW3                                                      | R 134a                     | 340                    | 120                              |                       | 2,0     | 2,83 |                     |                      |      |    | 1,17    |         |
|                                                                  | R 513A                     | 349                    | 125                              |                       |         | 2,79 |                     |                      |      |    |         |         |



| Modell                                                    | Kälte-<br>leistung | Leistungs<br>aufn. | Nenn<br>Dreh-<br>zahl | Hub<br>volumen | COP  | Dreh-<br>zahl-<br>bereich | Spannung | Höhe | Ø   | Ge-<br>wicht | B. Kon-<br>dens | Paletten<br>menge |
|-----------------------------------------------------------|--------------------|--------------------|-----------------------|----------------|------|---------------------------|----------|------|-----|--------------|-----------------|-------------------|
|                                                           | Watt               | Watt               | min-1                 | cm3/rev        | W/W  | min-1                     | V        | mm   | mm  | kg           | mFd             |                   |
| R 744* Rotary Kompressoren für Kälte und Klimatechnik     |                    |                    |                       |                |      |                           |          |      |     |              |                 |                   |
| YSD0033CV                                                 | 2940               | 865                | -                     | 3,26           | 3,40 | -                         | 220-240V | 293  | 119 | 6,9          | 25              | 72                |
| YSD098SV                                                  | 9750               | 2600               | -                     | 9,78           | 3,75 | -                         |          | 331  | 146 | 9,2          |                 | 25                |
| R 744* DC Inverter Kompressor für Kälte– und Klimatechnik |                    |                    |                       |                |      |                           |          |      |     |              |                 |                   |
| YSH065SD                                                  | 7020               | 1826               | 3300                  | 6,5            | 3,84 | 900<br>-6200              | DC       | 323  | 148 | 19           |                 | 25                |



| Modell<br>Model                                        | Kälte- Leistung<br>Cooling capacity |      | Leistgs<br>aufnahme<br>Power | Hub<br>Volumen | COP  | Spannung<br>Voltage | Höhe<br>Height | Ø   | Gewicht-<br>Weight | B- Kon-<br>densator<br>Capacitor | Palette |
|--------------------------------------------------------|-------------------------------------|------|------------------------------|----------------|------|---------------------|----------------|-----|--------------------|----------------------------------|---------|
|                                                        | Btu                                 | W    | W                            | Cm3/rev        |      |                     | mm             | mm  | Kg                 | mFd                              |         |
| R 410A Rotary Kompressoren für Kälte- und Klimatechnik |                                     |      |                              |                |      |                     |                |     |                    |                                  |         |
| ASG080CV                                               | 6278                                | 1880 | 695                          | 8,0            | 2,71 | 220-240V/50Hz       | 247            | 119 | 11                 | 30,0                             | 72      |
| ASG108CV                                               | 8701                                | 2550 | 880                          | 10,8           | 2,90 |                     | 247            | 119 | 11                 | 35,0                             | 72      |
| ASL145SV                                               | 11490                               | 3500 | 1180                         | 14,0           | 2,95 |                     | 279            | 129 | 15                 | 35,0                             | 50      |
| ASL155SV                                               | 12617                               | 3700 | 1275                         | 15,5           | 2,90 |                     | 279            | 129 | 15                 | 35,0                             | 50      |
| ASL180SV                                               | 14834                               | 4350 | 1475                         | 18,0           | 2,95 |                     | 279            | 129 | 15                 | 35,0                             | 50      |
| ASH201SV                                               | 16436                               | 4820 | 1630                         | 20,1           | 2,95 |                     | 298            | 140 | 19,5               | 50,0                             | 50      |
| ASH218SV                                               | 17664                               | 5180 | 1790                         | 21,8           | 2,90 |                     | 298            | 140 | 19,5               | 60,0                             | 50      |
| ASH264SV                                               | 21517                               | 6310 | 2070                         | 26,4           | 3,05 |                     | 298            | 140 | 19,5               | 50,0                             | 50      |
| ATH280CV                                               | 23406                               | 6860 | 2300                         | 28,0           | 2,97 |                     | 358            | 140 | 22                 | 60,0                             | 25      |
| ATH290CV                                               | 24311                               | 7125 | 2475                         | 29,0           | 2,88 |                     | 358            | 140 | 22                 | 60,0                             | 25      |
| ATH325CV                                               | 26545                               | 7780 | 2730                         | 32,5           | 2,85 |                     | 358            | 140 | 23                 | 60,0                             | 25      |

| Modell<br>Model                                   | Kälte-<br>Leistung  |       | Leistungs<br>aufnahme | Hub<br>volumen   | COP  | Span-<br>nung | Nenn<br>Dreh-<br>zahl | DC<br>Dreh-<br>zahl-<br>bereich | Höhe       | Ø    | Gewicht | Paletten<br>menge |
|---------------------------------------------------|---------------------|-------|-----------------------|------------------|------|---------------|-----------------------|---------------------------------|------------|------|---------|-------------------|
|                                                   | Cooling<br>capacity |       | Power                 | Displace<br>ment |      | Voltage       | Nominal<br>speed      | DC<br>Speed<br>range            | Heigh<br>t |      | Weight  | Palet<br>size     |
|                                                   | Btu                 | Watt  | Watt                  | cm3              |      | W/W           | V                     | min-1                           | min-1      |      | mm      | mm                |
| R 410A DC-Kompressoren für Kälte und Klimatechnik |                     |       |                       |                  |      |               |                       |                                 |            |      |         |                   |
| ASD084CK                                          | 9240                | 2710  | 564                   | 8,4              | 4,80 | DC            | 3050                  | 1000-7000                       | 223        | 113  | 6,9     | 72                |
| ASD084SF                                          | 8150                | 2390  | 565                   | 8,4              | 4,23 |               | 3200                  | 1000-6600                       | 223        | 113  | 6,9     | 72                |
| ASD102RK                                          | 12100               | 3550  | 789                   | 10,2             | 4,50 |               | 3200                  | 600-7200                        | 225        | 113  | 6,9     | 72                |
| ASD102SF                                          | 10050               | 2950  | 695                   | 10,2             | 4,25 |               | 3200                  | 1000-6600                       | 245        | 113  | 9,2     | 72                |
| ASG133SDM                                         | 15644               | 4585  | 1470                  | 13,3             | 3,12 |               | 4000                  | 1600-7200                       | 261        | 119  | 10      | 72                |
| ASG133CDN                                         | 17572               | 5000  | 1190                  | 13,3             | 4,20 |               | 4000                  | 1600-7200                       | 247        | 119  | 9.65    | 72                |
| ASG151CD                                          | 19483               | 5710  | 1320                  | 15,1             | 4,33 |               | 4000                  | 1600-7200                       | 261        | 119  | 11      | 72                |
| ATL165SDN                                         | 15450               | 4530  | 1550                  | 16,5             | 2,92 |               | 3300                  | 900-7200                        | 307        | 130  | 6,9     | 50                |
| ATL232SDN                                         | 22059               | 6465  | 2105                  | 23,2             | 3,07 |               | 3300                  | 900-7200                        | 307        | 130  | 9,2     | 50                |
| ATH356SDP                                         | 34460               | 10100 | 3155                  | 35,6             | 3,20 |               | 3300                  | 900-7200                        | 358        | 140  | 10      | 25                |
| ATH420SD                                          | 40600               | 11900 | 3660                  | 42,0             | 3,25 | 3300          | 900-7200              | 364                             | 140        | 9.65 | 25      |                   |

| Modell<br>Model                                                        | Heiz-<br>leistung   | Kälte-<br>leistung  | Leistungs<br>aufnahme | Hubvolumen        | COP  | Spannung<br>*** | Höhe   | Ø   | Gewicht | Betriebs-<br>konden-<br>sator | Paletten-<br>menge |
|------------------------------------------------------------------------|---------------------|---------------------|-----------------------|-------------------|------|-----------------|--------|-----|---------|-------------------------------|--------------------|
|                                                                        | Heating<br>capacity | Cooling<br>capacity | Power                 | Displace-<br>ment |      | Voltage<br>***  | Height |     | Weight  | Run<br>Capaci-<br>tor         | Pallet<br>size     |
|                                                                        | Watt                | Watt                | Watt                  | cm³rev            |      | W/W             | V/Hz   |     | mm      | mm                            | kg                 |
| R 410A      WHP- Kompressoren für Wärmepumpen - Klima und Kältetechnik |                     |                     |                       |                   |      |                 |        |     |         |                               |                    |
| WHP06900AEV                                                            | 6410                | 4770                | 1640                  | 20,1              | 3,92 | 220-240V/1/50Hz | 301,1  | 140 | 13,5    | 50                            | 50                 |
| WHP10100AEV                                                            | 10190               | 7505                | 2590                  | 30,7              | 3,76 |                 | 375,8  | 140 | 16,2    | 70                            | 25                 |
| WHP13500AEC                                                            | 13700               | 9900                | 3800                  | 42,9              | 3,58 | 380V/3/50Hz     | 375,8  | 140 | 23,4    | -                             | 25                 |
| WHP17500AEC                                                            | 17980               | 13510               | 4470                  | 51,8              | 3,93 |                 | 445    | 140 | 25      | -                             | 25                 |

| Modell<br>Model                                                      | Heiz<br>Leistung  | Kälteleistg         | Leistungs<br>aufnahme | Hub<br>volumen   | COP  | Spannung | Nenn<br>Drehzahl | Dreh-<br>zahl-<br>bereich | Höhe   | Ø   | Gewicht | Palette        |
|----------------------------------------------------------------------|-------------------|---------------------|-----------------------|------------------|------|----------|------------------|---------------------------|--------|-----|---------|----------------|
|                                                                      | Heat<br>Capaccity | Cooling<br>capacity | Power                 | Displace<br>ment |      | Voltage  | Nominal<br>speed | Speed<br>range            | Height |     | Weight  | Pallet<br>size |
|                                                                      | Watt              | Watt                | Watt                  | cm3              |      | W/W      | V                | min-1                     | min-1  |     | mm      | mm             |
| R 410A DC-WHP- Kompressoren für Wärmepumpen Klima - und Kältetechnik |                   |                     |                       |                  |      |          |                  |                           |        |     |         |                |
| WHP04000VRK*                                                         | 4035              | 3050                | 985                   | 10,2             | 4,10 | DC       | 3600             | 1000-7200                 | 273    | 113 | 7,2     | 72             |
| WHP04200VRK*                                                         | 4340              | 3320                | 1050                  | 11,0             | 4,18 |          | 3600             | 1000-7200                 | 281    | 113 | 8,9     | 72             |
| WHP05600VUK*                                                         | 5622              | 4280                | 1345                  | 14,1             | 4,18 |          | 3600             | 1000-7200                 | 309    | 113 | 9,5     | 72             |
| WHP08750VCD*                                                         | 8750              | 6600                | 2150                  | 23,2             | 4,05 |          | 3300             | 1000-7200                 | 321    | 129 | 13,6    | 50             |
| WHP07850VUK*                                                         | 7820              | 6020                | 1800                  | 18,6             | 4,33 |          | 3600             | 900-7200                  | 309    | 113 | 10      | 72             |
| WHP09100VUK*                                                         | 9105              | 6990                | 2115                  | 22,6             | 4,3  |          | 3600             | 900-7200                  | 361    | 140 | 19      | 25             |
| WHP11500AED                                                          | 11380             | 8615                | 2765                  | 30,7             | 3,11 |          | 3300             | 900-7200                  | 392    | 140 | 19,1    | 25             |
| WHP13100AED                                                          | 13700             | 9900                | 3800                  | 35,6             | 3,11 |          | 3600             | 900-7200                  | 382    | 140 | 19,8    | 25             |
| WHP15600AED                                                          | 17270             | 12890               | 4380                  | 42,0             | 3,94 |          | 3600             | 900-7200                  | 406    | 140 | 20,3    | 25             |



| Modell****<br>Model****                                                              | Kälte<br>mittel | Heiz-<br>leistung   | Kälte-<br>leistung  | Motor-<br>leistung | Hub-<br>volu-<br>men  | COP  | Nenn-<br>Drehzah<br>l | Drehzahl-<br>bereich | Spannung<br>***          | Höhe          | Ø     | Ge<br>wicht | Paletten-<br>menge |
|--------------------------------------------------------------------------------------|-----------------|---------------------|---------------------|--------------------|-----------------------|------|-----------------------|----------------------|--------------------------|---------------|-------|-------------|--------------------|
|                                                                                      | Refrigerant     | Heating<br>capacity | Cooling<br>capacity | Power              | Dis-<br>place<br>ment |      | Nominal<br>speed      | Speed<br>range       | Voltage<br>***           | Height        |       | Weight      | Pallet<br>size     |
|                                                                                      |                 | Watt                | Watt                | Watt               | cm3                   | W/W  | min-1                 | min-1                | V/Hz                     | mm            |       | mm          | kg                 |
| R 410 A**, R 452B, R 454C, R 454B, R 134a WHP DC Wärmepumpen-Klima- und Kältetechnik |                 |                     |                     |                    |                       |      |                       |                      |                          |               |       |             |                    |
| WHP04200VRK                                                                          | R 410A          | 4340                | 3320                | 1020               | 11,0                  | 4,25 | 3600                  | 1000-7200            | DC /<br>BLDC<br>Inverter | 308,7         | 113,4 | 8,9         | 72                 |
|                                                                                      | R 452B          | 4210                | 3230                | 980                |                       | 4,3  |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 2990                | 2340                | 650                |                       | 4,6  |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 4180                | 3210                | 970                |                       | 4,31 |                       |                      |                          |               |       |             |                    |
| WHP05600VUK                                                                          | R 410A          | 5622                | 4280                | 1340               | 14,1                  | 4,18 | 4020                  | 1000-7200            |                          | 261,7<br>+ 47 | 113,4 | 9,4         | 50                 |
|                                                                                      | R 452B          | 5470                | 4125                | 1345               |                       | 4,23 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 3875                | 3020                | 855                |                       | 4,53 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 5380                | 4100                | 1280               |                       | 4,21 |                       |                      |                          |               |       |             |                    |
| WHP07850VUK                                                                          | R 410A          | 7820                | 6015                | 1800               | 18,6                  | 4,23 | 3600                  | 900-7200             |                          | 261,7<br>+ 47 | 113,4 | 10,0        | 72                 |
|                                                                                      | R 452B          | 7594                | 5860                | 1730               |                       | 4,38 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 5365                | 4216                | 1150               |                       | 4,67 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 7530                | 5815                | 1715               |                       | 4,39 |                       |                      |                          |               |       |             |                    |
| WHP08750VCD                                                                          | R 410A          | 8750                | 6600                | 2150               | 23,2                  | 4,05 | 3300                  | 1000-7200            |                          | 321,2         | 129   | 13,6        | 50                 |
|                                                                                      | R 134a          | 4100                | 3200                | 900                |                       | 4,56 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 513A          | 4212                | 3280                | 932                |                       | 4,52 |                       |                      |                          |               |       |             |                    |
| WHP09100VUK                                                                          | R 410A          | 9105                | 6990                | 2115               | 22,6                  | 4,30 | 3600                  | 900-7200             |                          | 291,7<br>+ 47 | 113,4 | 10,2        | 72                 |
|                                                                                      | R 452B          | 8830                | 6800                | 2025               |                       | 4,36 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 6245                | 4900                | 1340               |                       | 4,66 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 8785                | 6775                | 2010               |                       | 4,37 |                       |                      |                          |               |       |             |                    |
| WHP11500VSD                                                                          | R 410A          | 12320               | 9390                | 2930               | 30,7                  | 4,20 | 3600                  | 900-7200             |                          | 406,5         | 140,1 | 19,3        | 25                 |
|                                                                                      | R 452B          | 11950               | 9140                | 2810               |                       | 4,25 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 8455                | 6730                | 1725               |                       | 4,54 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          |                     |                     |                    |                       |      |                       |                      |                          |               |       |             |                    |
| WHP13100VSD                                                                          | R 410A          | 14620               | 11120               | 3500               | 35,6                  | 4,18 | 3600                  | 900-7200             |                          | 406,5         | 140,1 | 19,3        | 25                 |
|                                                                                      | R 452B          | 14180               | 10820               | 3360               |                       | 4,22 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 10030               | 7800                | 2230               |                       | 4,52 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 14360               | 11080               | 3280               |                       | 4,37 |                       |                      |                          |               |       |             |                    |
| WHP15600VSD                                                                          | R 410A          | 17400               | 13240               | 4160               | 42,0                  | 4,18 | 3600                  | 900-7200             |                          | 406,5         | 140,1 | 19,5        | 25                 |
|                                                                                      | R 452B          | 16880               | 12900               | 3980               |                       | 4,23 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 11940               | 9300                | 2640               |                       | 4,52 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          |                     |                     |                    |                       |      |                       |                      |                          |               |       |             |                    |
| WHP23000VSD                                                                          | R 410A          | 22600               | 17300               | 5300               | 54,8                  | 4,27 | 3600                  | 900-6000             |                          | 450,7         | 140,1 | 22          | 25                 |
|                                                                                      | R 452B          | 21950               | 16880               | 5070               |                       | 4,33 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 15560               | 12200               | 3360               |                       | 4,63 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          | 21150               | 16160               | 4990               |                       | 4,23 |                       |                      |                          |               |       |             |                    |
| WHP32900VSK                                                                          | R 410A          | 32280               | 24635               | 7645               | 75,2                  | 4,22 | 3600                  | 900-7200             |                          | 446,5<br>+ 54 | 167,6 | 29,1        | 16                 |
|                                                                                      | R 452B          | 32030               | 24580               | 7450               |                       | 4,30 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454C          | 23120               | 18180               | 4940               |                       | 4,68 |                       |                      |                          |               |       |             |                    |
|                                                                                      | R 454B          |                     |                     |                    |                       |      |                       |                      |                          |               |       |             |                    |
| ATE848SKT                                                                            | R 410A          | 36620               | 27600               | 9020               | 84,8                  | 4,06 | 3600                  | 900-6600             |                          | 443 +<br>54   | 167,6 | 29,3        | 16                 |
|                                                                                      | R 454C          | 22710               | 17410               | 5300               |                       | 4,29 |                       |                      |                          |               |       |             |                    |

**R 410A**  
**R 452B**  
**R 454B**  
**R 454C**  
**R 134a**  
**R 513A**



| R 134a*, R410A, R 513A           |          |      |      |      | DC-WHP Industrieller Kälte- und Wärmepumpen-Kompressoren |      |      |            |             |                |     |      |    |
|----------------------------------|----------|------|------|------|----------------------------------------------------------|------|------|------------|-------------|----------------|-----|------|----|
| WHP08750VCD                      | R 410A   | 8750 | 6600 | 2150 | 23,2                                                     | 4,05 | 3300 | 1000-7200  | DC/BLDC     | 321,2          | 129 | 13,6 | 50 |
|                                  | R 134a   | 4100 | 3200 | 900  |                                                          | 4,56 |      |            |             |                |     |      |    |
|                                  | R 513A   | 4212 | 3280 | 932  |                                                          | 4,52 |      |            |             |                |     |      |    |
| R 134a*, R410A, R 513A, R 1234yf |          |      |      |      | DC-WHP Industrieller Kälte- und Wärmepumpen-Kompressoren |      |      |            |             |                |     |      |    |
| WHP04000VRK                      | R 410A   | 4035 | 3050 | 985  | 10,2                                                     | 4,09 | 3600 | 1000 -7200 | DC/<br>BLDC | 226,5<br>+20,9 | 113 | 13,6 | 50 |
|                                  | R 134a   | 1900 | 1485 | 415  |                                                          | 4,60 |      |            |             |                |     |      |    |
|                                  | R 513A   | 1950 | 1525 | 425  |                                                          | 4,57 |      |            |             |                |     |      |    |
|                                  | R 1234yf | 1840 | 1435 | 405  |                                                          | 4,57 |      |            |             |                |     |      |    |



**R 290**  
**R 407C**  
**R22**

| Modell<br>Model | Heiz-<br>leistung   | Kälte-<br>leistung  | Leis-<br>tungs-<br>auf-<br>nahme | Hubvolu-<br>men   | COP | Span-<br>nung<br>*** | Höhe   | Ø | Gewicht | Betriebs-<br>kondensator | Paletten-<br>menge |
|-----------------|---------------------|---------------------|----------------------------------|-------------------|-----|----------------------|--------|---|---------|--------------------------|--------------------|
|                 | Heating<br>capacity | Cooling<br>capacity | Power                            | Displace-<br>ment |     | Voltage<br>***       | Height |   | Weight  | Run Capacitor            | Pallet size        |
|                 | Watt                | Watt                | W                                | cm³/rev           | W/W | V/Hz                 | mm     |   | kg      | mFd                      |                    |

### R 290 WHP Kompressoren für Wärmepumpen und Kältetechnik

|             |      |      |      |      |      |                  |       |     |      |    |     |
|-------------|------|------|------|------|------|------------------|-------|-----|------|----|-----|
| WHP01100PSV | 1128 | 825  | 303  | 5,86 | 3,72 | 220-240/1Ph/50Hz | 190   | 94  | 5,62 | 12 | 128 |
| WHP01750PSV | 1740 | 1335 | 405  | 8,9  | 4,30 |                  | 227,6 | 112 | 8,7  | 15 | 72  |
| WHP02000PSV | 1985 | 1495 | 490  | 10,4 | 4,05 |                  | 227,9 | 112 | 9,2  | 15 | 72  |
| WHP02600PSV | 2605 | 1976 | 629  | 13,5 | 4,14 |                  | 227,9 | 112 | 9,2  | 17 | 72  |
| WHP06000PSV | 6035 | 4700 | 1395 | 30,7 | 4,33 |                  | 354,6 | 139 | 17,5 | 40 | 50  |
| WHP09400PSV | 9375 | 7260 | 2115 | 47   | 4,43 |                  | 359   | 139 | 23   | 50 | 25  |

| Modell<br>Model**** | Heiz-<br>leistung   | Kälte-<br>leistung  | Leistungs-<br>aufnahme | Hub-<br>volumen   | COP | Span-<br>nung<br>*** | Nenn-<br>Dreh-<br>zahl | Dreh-<br>zahl-<br>bereich | Höhe   | Ø | Ge-<br>wicht | Palette     |
|---------------------|---------------------|---------------------|------------------------|-------------------|-----|----------------------|------------------------|---------------------------|--------|---|--------------|-------------|
|                     | Heating<br>capacity | Cooling<br>capacity | Power                  | Displace-<br>ment |     | Voltage<br>***       | Nominal<br>speed       | Speed<br>range            | Height |   | Weight       | Pallet size |
|                     | Watt                | Watt                | W                      | cm³               |     | V/Hz                 | min-1                  | min-1                     | mm     |   | kg           |             |

### R 290 DC-WHP Kompressoren für Wärmepumpen und Kältetechnik

|             |       |       |      |      |      |                    |      |           |     |     |      |    |
|-------------|-------|-------|------|------|------|--------------------|------|-----------|-----|-----|------|----|
| WHP03700PRK | 3750  | 2960  | 790  | 16,2 | 4,75 | DC / BLDC Inverter | 3600 | 1000-7200 | 261 | 113 | 10,3 | 72 |
| WHP05500PUK | 5355  | 4205  | 1150 | 22,6 | 4,66 |                    | 3600 | 900-7200  | 292 | 113 | 10,4 | 72 |
| WHP07600PSD | 7475  | 5895  | 1580 | 30,7 | 4,73 |                    | 3600 | 900-7200  | 368 | 140 | 17,5 | 50 |
| WHP10200PSD | 10200 | 8000  | 2210 | 42,0 | 4,51 |                    | 3600 | 1000-7200 | 379 | 140 | 20,4 | 50 |
| WHP13300PSD | 13300 | 10440 | 2860 | 54,8 | 4,65 |                    | 3600 | 900-7200  | 392 | 140 | 22,6 | 50 |
| WHP32900VSK | 18170 | 14300 | 3865 | 75,2 | 4,7  |                    | 3600 | 900-7200  | 500 | 168 | 29,1 | 16 |
| WHP37600VSK | 21590 | 16770 | 4820 | 84,8 | 4,48 |                    | 3600 | 900-6600  | 500 | 168 | 29,5 | 16 |

### R 290 Horizontale Kompressoren für Kühlung und Tiefkühlung

| Modell<br>Model | Kälteleistung<br>Cooling Capacity |      |           | Motor<br>Power |     |           | Hubvo-<br>lumen | Spannung<br>Voltage     | Höhe<br>Height | Ø   | Gewicht<br>Weight | Betriebs<br>kondensator<br>Run Cap | Palette |
|-----------------|-----------------------------------|------|-----------|----------------|-----|-----------|-----------------|-------------------------|----------------|-----|-------------------|------------------------------------|---------|
|                 | Kühlung                           |      | Tiefkühl. | Kühlung        |     | Tiefkühl. | cm3/rev         | V/Ph/Hz                 | mm             | mm  | kg                | mFd                                |         |
|                 | to/tevap                          | 7,2  | -6,7      | -23,3          | 7,2 | -6,7      | -23,3           |                         |                |     |                   |                                    |         |
| PDD084SV        | 1230                              | 770  | -         | 410            | 360 | -         | 8,4             | 220-<br>240V/1/<br>50Hz | 183            | 113 | 9,8               | 15                                 | 72      |
| PDD102SV        | 1490                              | 935  | -         | 500            | 450 | -         | 10,2            |                         | 183            | 113 | 9,8               | 15                                 | 72      |
| PDD122LV        | 1790                              | 1120 | 650       | 600            | 540 | 470       | 12,2            |                         | 183            | 113 | 9,95              | 25                                 | 72      |
| PDD145LV        | 2130                              | 1330 | 770       | 735            | 630 | 520       | 14,5            |                         | 183            | 113 | 9,95              | 25                                 | 72      |
| PDD160LV        | 2350                              | 1470 | 860       | 810            | 720 | 650       | 16              |                         | 183            | 113 | 9,95              | 25                                 | 72      |

| Modell<br>Model | Kälteleistung<br>Cooling capacity |   | Motore<br>leistung<br>Power | COP | Hub<br>volumen<br>Displacement<br>cm3/rev | Span-<br>nung<br>Voltage | Höhe<br>Height | Ø  | Gewicht<br>Weight | Betriebs Kond<br>Run Cap | Palette |
|-----------------|-----------------------------------|---|-----------------------------|-----|-------------------------------------------|--------------------------|----------------|----|-------------------|--------------------------|---------|
|                 | Btu                               | W | W                           |     |                                           |                          | mm             | mm | Ka                | mEd                      |         |
|                 |                                   |   |                             |     |                                           |                          |                |    |                   |                          |         |

### R 407C Kompressoren für Klima- und Kältetechnik

|               |       |      |      |      |      |                |     |     |      |      |    |
|---------------|-------|------|------|------|------|----------------|-----|-----|------|------|----|
| CG433EB1-C    | 7910  | 2320 | 790  | 2,95 | 14,1 | 220-240V /50Hz | 242 | 119 | 10   | 30,0 | 72 |
| CG533QB1-C    | 9040  | 2650 | 920  | 2,90 | 16,2 |                | 242 | 119 | 11   | 30,0 | 72 |
| CG633GB1-A    | 9484  | 2780 | 945  | 2,95 | 16,7 |                | 256 | 119 | 11   | 35,0 | 72 |
| CSL211CV      | 12106 | 3550 | 1200 | 2,90 | 21,1 |                | 264 | 129 | 13,9 | 35,0 | 50 |
| CSL232CV-C7LU | 13214 | 3875 | 1340 | 2,90 | 23,2 |                | 264 | 129 | 14   | 45,0 | 50 |
| CH933-R       | 14672 | 4300 | 1460 | 2,95 | 25,4 |                | 278 | 139 | 15   | 50,0 | 50 |
| CHZ33LC4-U    | 16616 | 4870 | 1650 | 2,95 | 28,6 |                | 278 | 139 | 16   | 50,0 | 50 |
| CHY33MC4-U    | 17912 | 5250 | 1780 | 2,95 | 30,7 |                | 293 | 139 | 16   | 50,0 | 50 |
| CHW33TC4-U    | 20980 | 6150 | 2050 | 3,0  | 35,6 |                | 308 | 139 | 19   | 60,0 | 50 |
| CHV33YC6-U    | 24390 | 7150 | 2425 | 2,95 | 41,7 |                | 339 | 139 | 21   | 55,0 | 25 |
| CTHU33W       | 28488 | 8200 | 2780 | 2,95 | 48,8 |                | 373 | 139 | 23   | 60,0 | 25 |

### R 22 Kompressoren für Klima- und Kältetechnik

|            |       |      |      |      |      |                |     |     |    |      |    |
|------------|-------|------|------|------|------|----------------|-----|-----|----|------|----|
| SD156CV    | 9045  | 2650 | 870  | 3,05 | 16,2 | 220-240V /50Hz | 233 | 112 | 10 | 25,0 | 72 |
| SHW33TC4-U | 20445 | 5990 | 1990 | 3,01 | 35,7 |                | 293 | 139 | 17 | 50,0 | 50 |
| THU33W     | 28488 | 8350 | 2650 | 3,15 | 48,8 |                | 373 | 139 | 23 | 60,0 | 25 |
| THK40X.U   | 25930 | 7600 | 2450 | 3,1  | 45,4 | 380V/3Ph/50    | 348 | 139 | 22 | -    | 25 |



# Inverter 230V / 400V für DC – Rotary Kompressoren



## Driver 230V / 400V for BLDC Rotary Compressors

### E1045

| Highly Kompressors | Kältemittel | Tested E1045 | DIP |
|--------------------|-------------|--------------|-----|
| WHP03700PRKQA6JT6  | R 290       | E1045-20_24  | 11  |
| WHP04000VRKQA6JT6  | *           | E1045-20_24  | 11  |
| WHP04000ARKQA6JT6  | R 410A      | E1045-20_24  | 11  |
| WHP04200VRKQA7JT6B | **          | E1045-20_24  | 11  |
| WHP04200ARKQA7JT6B | R 410A      | E1045-20_24  | 11  |
| WHP04350GRK        | R 32        | E1045-20_24  | 11  |
| GSD102RK QA6JT6    | R 32        | E1045-20_24  | 11  |
| ASD102RK QA6JT6B   | R 410A      | E1045-1500   | 11  |
| BSA586SDMY3FJ      | R 134a      | E1045-12_15  | 9   |
| PSA725SDME3EG      | R 290       | E1045-12_15  | 9   |
| PSA586SDMH3FG      | R 290       | E1045-12_15  | 9   |
| BSA804SD-A3BUA     | R 134a      | E1024-12_15  | 1   |
| WHP03240BSKNB7AT   | R 134a      | E1045-20_24  | 10  |
| ASD084SF-A7JT      | R 410A      | E1045-1500   | 4   |
| ASD102SF-A7JT      | R 410A      | E1045-1500   | 4   |
| ASD084CKMA7JK      | R410A       | E1045-1500   | 2   |
| ASD084CDNA6JHG     | R 410A      | E1045-1500   | 3   |
| ASC092CD-A8JK      | R410A       | E1045-1500   | 3   |
| ASD102CDN A7JT     | R410A       | E1045-15     | 3   |
| ASD104SD           | R410A       | E1045-15/20  | 5   |
| ASG133CDNB7AT      | R 410A      | E1045-15_20  | 6   |
| ASG133SDMB7AT      | R 410A      | E1045-15_20  | 7   |
| ASG133RKNB7AT      | R 410A      | E1045-20     | 8   |
| ASG151CDN B7AT     | R 410A      | E1045-20     | 8   |



E1045-R



E1045-DP



Die E1045 - Inverter sind mit den nebenstehenden Verdichter getestet, in Lauftests abgestimmt und parametrisiert für einen sicheren Betrieb. Über Modbus sind Veränderungen der Einstellungen möglich aber nicht zwingend erforderlich. Zur Ansteuerung der Inverter ist ein 0-10V Signal erforderlich z.B. über eine SPS, den ADR010 oder einen Potentiometer. Die Zuordnung der Inverter ist abhängig vom Arbeitsbereich.

Weitere Modelle in Vorbereitung und auf Anfrage.

*The E1045 inverters in the table aside are tested with the corresponding compressors , in running tests and parameterized for a safe operation . Via Modbus modifications are possible but not mandatory. To control the inverter a 0-10V signal is required provided by a SPS control, external signal, by ADR010 (page 6.1) or potentiometer. Assignment of inverter depending on the application range. Further Compressors are under research or on request.*

R 410A, R 134a, R 1234yf \*\*R 410A, R 452B, 454B, R 454C

### E1145 + E1002

| Verdichter Hersteller | Kompressor         | Motor Profile | Dip - Switch | Classification | DB Ver. | Profile Datum / date | Von / From Software | Teste on 1145 | Tested on 1002 | Motor leistung* | Möglicher Inverter |
|-----------------------|--------------------|---------------|--------------|----------------|---------|----------------------|---------------------|---------------|----------------|-----------------|--------------------|
| Hitachi Highly        | WHP04000ARKQA6JT6  | 0             | 0000 0000    | A              | 1       | 0418                 | 3,25                | x             |                | 975             | E1145-2000         |
| Hitachi Highly        | WHP04200ARKQA6JT6  | 0             | 0000 0000    | A              | 1       | 0418                 | 3,25                | x             |                | 1020            | E1145-2000         |
| Hitachi Highly        | ASD102RKQA6JT6B    | 0             | 0000 0000    | A              | 1       | 0418                 | 3,25                | x             |                | 850             | E1145-2000         |
| Hitachi Highly        | WHP04200VRKQA7JT6  | 0             | 0000 0000    | A              | 1       | 0418                 | 3,28                | x             |                | 1020            | E1145-2000         |
| Hitachi Highly        | WHP03700PRKQA6JT6  | 0             | 0000 0000    | A              | 1       | 0418                 | 3,25                | x             |                | 790             | E1145-2000         |
| Hitachi Highly        | BSA804SD-A3BUA     | 1             | 0000 0001    | A              | 1       | 0418                 | 3,25                | x             |                | 278             | E1145-2000         |
| Panasonic             | SRS102XRSQ094B1    | 2             | 0000 0010    | B              | 1       | 0418                 | 3,25                | x             |                |                 |                    |
| Hitachi Highly        | ATH356SDP-C9FQ     | 3 & 11        | 0000 0011    | A              | 1       | 0418                 | 3,26 & 3,33         | x             | x              | 3155            | E1002-4000         |
| Hitachi Highly        | ASD084CKMA7JK      | 4             | 0000 0100    | B / A          | 2 / 6   | 1018 / 0720          | 3,27 / 3,43         | x             |                | 675             | E1145-2000         |
| Hitachi Highly        | ASD084SF-A7JT      | 5             | 0000 0101    | B              | 2       | 1018                 | 3,27                | x             |                | 675             | E1145-2000         |
| Hitachi Highly        | ASD102RKQA6        | 0             | 0000 0000    | D              | 4       | 0418                 | 3,38                | x             |                | 870             | E1145-2000         |
| Hitachi Highly        | ASD102SF-A7JT      | 5             | 0000 0101    | B / A          | 2 / 6   | 1018 / 0720          | 3,27 / 3,43         | x             |                | 870             | E1145-2000         |
| Hitachi Highly        | ASG133CDNB7AT      | 6             | 0000 0110    | B / A          | 2 / 6   | 1018 / 0720          | 3,27 / 3,43         | x             |                | 1320            | E1145-3000         |
| Toshiba               | DA330A2F-20MD      | 7             | 0000 0111    | B              | 2       | 1118                 | 3,28                | x             |                |                 |                    |
| Hitachi Highly        | ASC104SD-ASJT      | 8             | 0000 1000    | B              | 2       | 1218                 | 3,3                 | x             |                | 720             | E1145-2000         |
| Hitachi Highly        | ASG151CDNB7BT      | 9             | 0000 1001    | B              | 2       | 1218                 | 3,3                 | x             |                | 1320            | E1145-2000         |
| GMCC                  | DA131S1B-31FZ      | 10            | 0000 1010    | B              | 3       | 0219                 | 3,31                | x             |                |                 |                    |
| Hitachi Highly        | WHP11500VSDPC9EQ   | 11 & 22       | 0000 1011    | B              | 3       | 0219                 | 3,26 & 3,33 & 3,45  | x             | x              | 2935            | E1002-4000         |
| Hitachi Highly        | WHP07600PSDP-C9KQ  | 11 & 22       | 0000 1011    | B              | 3       | 0219                 | 3,26 & 3,33 & 3,45  | x             | x              | 1580            | E1145-3000         |
| Hitachi Highly        | WHP10200PSDP-C9EQ  | 11 & 22       | 0000 1011    | B              | 3       | 0219                 | 3,26 & 3,33 & 3,45  | x             | x              | 2210            | E1145-3000         |
| Hitachi Highly        | WHP04350GRK        | 0             | 0000 0000    | D              | 1       | 0418                 | 3,38                |               |                |                 |                    |
| Hitachi Highly        | GSD102RKQA6JT6     | 0             | 0000 0000    | D              | 1       | 0418                 | 3,38                |               |                |                 |                    |
| Hitachi Highly        | WHP07300VUKQA6JT6B | 13            | 0000 1100    | D              | 4       | 0418                 | 3,38                |               |                |                 |                    |
| Hitachi Highly        | WHP04600VCDN9AU    | 14            | 0000 1110    | D              | 4       | 0418                 | 3,38                |               |                | 2150            | E1145-3000         |
| Hitachi Highly        | WHP04860VCDN9AU    | 14            | 0000 1110    | D              | 4       | 0418                 | 3,38                |               |                | 1100            | E1145-2000         |
| Hitachi Highly        | WHP04500BSDN9AU    | 14            | 0000 1110    | D              | 4       | 0418                 | 3,38                |               |                | 1000            | E1145-2000         |
| Hitachi Highly        | WHP10200AED        | 11 & 22       | 0000 1111    | B              | 3       | 0219                 | 3,26 & 3,33 & 3,45  | x             |                | 2785            | E1002-4000         |
| Hitachi Highly        | WHP13300PSDP-C9EQ  | 22            | 0001 0110    | B              | 7       | 5220                 | 3,45                | x             | x              | 2860            | E1002-4000         |
| Panasonic             | SKD184XAA21        | 12            | 0000 1100    | B              | 3       | 0219                 | 3,33                | x             |                |                 |                    |
| Hitachi Highly        | WHP05600VUKQA7JT6B | 13            | 0000 1101    | B              | 3       | 1219                 | 3,38                | x             |                | 1300            | E1145-3000         |
| Hitachi Highly        | WHP08750VCDNC9AU   | 14            | 0000 1110    | B              | 3       | 1219                 | 3,38                | x             | x              | 2150            | E1145-3000         |
| Panasonic             | 5RD132XDA21        | 15            | 0000 1111    | B              | 4       | 0220                 | 3,4                 | x             |                |                 |                    |
| Hitachi Highly        | WHP05500PUKPA8LT5  | 16            | 0001 0000    | B              | 4       | 0220                 | 3,4                 | x             |                | 1150            | E1145-2000         |
| Hitachi Highly        | WHP05500PSD        | 16            | 0001 0000    | D              | 4       | 0220                 | 3,4                 |               |                | 1150            | E1145-2000         |
| Mitsubishi            | CB8130FAC          | 17            | 0001 0001    | B              | 4       | 0223                 | 3,4                 | x             |                |                 |                    |
| Panasonic **1         | 5RS032XCD21        | 18            | 0001 0010    | C              | 5       | 0520                 | 3,42                | x             |                |                 |                    |
| Toshiba **1           | DA422A3F-27M       | 19            | 0001 0011    | C              | 6       | 0920                 | 3,44                |               | x              |                 |                    |
| GMCC                  | DSM180D19UDZ       | 20            | 0001 0100    | C              | 6       | 0921                 | 3,44                | x             |                |                 |                    |
| Mitsubishi            | RMT5113MDE2        | 21            | 0001 0101    | B              | 6       | 0922                 | 3,44                | x             |                |                 |                    |
| Hitachi Highly        | WHP09100VUKPA8LT6  | 16            | 0001 0000    | D              | 4       | 0220                 | 3,4                 |               |                | 2115            | E1145-3000         |
| Hitachi Highly        | WHP09100AEKP       | 16            | 0001 0000    | D              | 4       | 0220                 | 3,4                 |               |                | 2200            | E1145-3000         |
| Panasonic             | 5KD240XAD21        | 23            | 0001 0111    | B              | 7       | 5220                 | 3,45                |               | x              |                 |                    |
| Hitachi Highly        | WHP03240BSKNB7AT   | 24            | 0001 1000    | C              | 8       | 2321                 | 3,47                | x             |                |                 |                    |
| Panasonic             | 5VD330ZAA21        | 26            | 0001 1010    | C              | 9       | 3721                 | 3,48                |               | x              |                 |                    |
| Panasonic             | 5VD420ZAA21        | 27            | 0001 1011    | C              | 9       | 3721                 | 3,48                |               | x              |                 |                    |
| Hitachi Highly        | WHP07850VUKQA8JT6T | 28            | 0001 1100    | C              | 9       | 3921                 | 3,48                | x             |                | 1800            | E1145-3000         |

\* Abhängig von Kältemittel und Drehzahl

### Bandheizung / Crankcase heater

für Außeninstallationen und hohe Kältemittelmengen

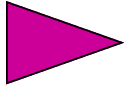
For installation outside and high refrigerant charges



| Modell  | Spannung Voltage | Heizleistung Heating | Durchmesser Diameter mm |     | Thermostatische Regelung Thermostatic Control |
|---------|------------------|----------------------|-------------------------|-----|-----------------------------------------------|
|         | V                | Watt                 | min                     | max |                                               |
| CH025   | 240              | 25                   | 90                      | 150 | -                                             |
| CH025TH | 240              | 25                   | 90                      | 150 | ☺                                             |
| CH038   | 240              | 38                   | 112                     | 172 | -                                             |
| CH038TH | 240              | 38                   | 112                     | 172 | ☺                                             |
| CH045-3 | 400/460          | 45/34                | 112                     | 172 | -                                             |

### Betriebskondensatoren - Run Capacitors

| Order No | mFd  | Volt    | Order No | mFd  | Volt    |
|----------|------|---------|----------|------|---------|
| 1A.287   | 4,0  | 400/450 | 1A.089   | 25,0 | 400/450 |
| 1A.213   | 5,0  | 380/450 | 1A.090   | 30,0 | 400/450 |
| 1A.600   | 6,0  | 380/450 | 1A.091   | 35,0 | 400/450 |
| 1A.267   | 6,5  | 380/450 | 1A.092   | 40,0 | 400/450 |
| 1A.209   | 8,0  | 400/450 | 1A.093   | 45,0 | 400/450 |
| 1A.215   | 10,0 | 400/450 | 1A.201   | 50,0 | 400/450 |
| 1A.150   | 15,0 | 400/450 | 1A.211   | 55,0 | 400/450 |
| 1A.359   | 17,0 | 400/450 | 1A.219   | 60,0 | 400/450 |
| 1A.088   | 20,0 | 400/450 |          |      |         |



Ein Auswahl aus unserem weiteren Lieferprogramm  
*A selection of our further program*



Rotary, Hubkolben- und Scroll- Kompressoren  
*Rotary-, Reciprocating-, Scroll-Compressors*



Schalldämmhauben für Maneurop Kompressoren  
*Sound Attenuators for Maneurop Kompressors*



Rotalockventile, Fittings  
*Rotalockvalves,*



SpeedLine Inverter, Drehzahlregler, Drehzahlsteller  
*SpeedLine inverter, Speed Controller, -regulator*



Micronova Kondensatordruckregler, Drehzahlsteller  
*Micronova Speed Controller , - regulator*



Drehzahlregelung für DC, BLDC Kompressoren und Motoren  
*Speed Controls for DC, BLDC Compressors and Motors*



Axial- und Radialventilatoren,  
*Axial- and Centrifugal fan units*



Selbstregulierende PTC- Heizungen  
*Self limiting PTC heater*



Bandheizungen mit/ohne thermostatische Regelung  
*Band heater with/without thermostatical control*



Troll Gewinde-Rohrdurchführungen und Flansche  
*Troll Pipe sleeves*

