

KOMPAKTAGGREGATE  
FÜR KÜHL- UND TIEFKÜHLZELLEN  
PACKAGED UNITS FOR COLD ROOMS

WANDMONTAGE  
WALL MOUNT INSTALLATION



KÜHL-  
ZELLEN  
COLD  
ROOMS

GREEN SOLUTIONS



NATÜRLICHES  
KÄLTEMITTEL  
NATURAL  
REFRIGERANT



ENERGIE-  
EFFIZIENZ  
ENERGY  
SAVING



NIEDRIGER  
GERÄUSCHPEGEL  
LOW  
NOISE



HERMETISCHE  
VERDICHTER  
HERMETIC  
COMPRESSOR



EINFACHE  
MONTAGE  
EASY  
FIX

|                                                                       | R290 | NK                             | TK                              |
|-----------------------------------------------------------------------|------|--------------------------------|---------------------------------|
| EINSATZBEREICH (T <sub>c</sub> )<br>OPERATING RANGE (T <sub>c</sub> ) |      | -5°C ÷ +15°C                   | -25°C ÷ -10°C                   |
| VERDICHTERHUBRAUM<br>COMPRESSOR DISPLACEMENT                          |      | 6.9 - 2 x 27.8 cm <sup>3</sup> | 18.7 - 2 x 33.4 cm <sup>3</sup> |
| ZELLENVOLUMEN*<br>COLD ROOM VOLUME                                    |      | 3.3 ÷ 196 m <sup>3</sup>       | 3.3 ÷ 84.4 m <sup>3</sup>       |

\* Ta: 32°C

FÜR NÄHERE INFORMATIONEN KONTAKTIEREN SIE BITTE UNSERE TECHNISCHE ABTEILUNG. BESCHREIBUNGEN, TECHNISCHE DATEN UND ABBILDUNGEN DIENEN NUR ZUR UNVERBINDLICHEN ILLUSTRATION. RIVACOLD BEHÄLT SICH DAS RECHT VOR, DIE IN DIESEN UNTERLAGEN BESCHRIEBENEN SPEZIFIKATIONEN OHNE VORANKÜNDIGUNG GANZ ODER TEILWEISE ZU ÄNDERN UND, UM DIE PRODUKTIONSKONTINUITÄT ZU GEWÄHRLEISTEN, ALTERNATIVE MARKEN VON KOMPONENTEN, DIE FÜR DAS PROJEKT ERFORDERLICH SIND, ZU VERWENDEN.

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## TECHNISCHE DATEN NK-AUSFÜHRUNGEN - HBP/MBP MODELS TECHNICAL DATA

| R290           | SPANNUNG | VERDICHTER      |     | PED | EXPANSION | ABTAUUNG | AUFNAHMEN |      | INDUSTRIESTECKER (2P+E) | VERFLÜSSIGER |                   | VERDAMPFER |                   |      | NETTOGEWICHT | REFERENZ |
|----------------|----------|-----------------|-----|-----|-----------|----------|-----------|------|-------------------------|--------------|-------------------|------------|-------------------|------|--------------|----------|
|                |          | cm <sup>3</sup> | Typ | CAT |           |          | W         | A    | A                       | No. x Ø      | m <sup>3</sup> /h | No. x Ø    | m <sup>3</sup> /h | f(m) | Kg           |          |
| BYWS251MA05P11 | 230/1/50 | 6,9             | E   | 0   | V         | G        | 360       | 2    | 16                      | 1x254        | 600               | 1x200      | 500               | 6,5  | 42           | W25      |
| BYWS251MA10P11 | 230/1/50 | 12,2            | E   | 0   | V         | G        | 570       | 3,1  | 16                      | 1x254        | 600               | 1x200      | 500               | 6,5  | 46           |          |
| BYWS251MA20P11 | 230/1/50 | 16,8            | E   | 0   | V         | G        | 780       | 4,3  | 16                      | 1x254        | 600               | 1x200      | 500               | 6,5  | 47           |          |
| BYWS301MA30P11 | 230/1/50 | 21              | E   | 0   | V         | G        | 940       | 5,1  | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 59           | W30      |
| BYWS301MA40P11 | 230/1/50 | 27,8            | E   | 0   | V         | G        | 1.200     | 6,5  | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 65           |          |
| BYWS302MA50P11 | 230/1/50 | 2 x 16,8        | E   | 0   | V         | G        | 1.490     | 8,1  | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 81           |          |
| BYWS302MA50P12 | 400/3/50 | 2 x 16,8        | E   | 0   | V         | G        | 1.490     | 2,7  | 16 (**)                 | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 81           | W35      |
| BYWS352MA60P11 | 230/1/50 | 2 x 18,7        | E   | 0   | V         | G        | 1.680     | 9,1  | 16                      | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 92           |          |
| BYWS352MA60P12 | 400/3/50 | 2 x 18,7        | E   | 0   | V         | G        | 1.680     | 3    | 16 (**)                 | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 92           |          |
| BYWS352MA70P11 | 230/1/50 | 2 x 21          | E   | 0   | V         | G        | 1.900     | 10,3 | 16                      | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 92           |          |
| BYWS352MA70P12 | 400/3/50 | 2 x 21          | E   | 0   | V         | G        | 1.900     | 3,4  | 16 (**)                 | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 92           |          |
| BYWS352MA80P11 | 230/1/50 | 2 x 27,8        | E   | 0   | V         | G        | 2.440     | 13,2 | 32                      | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 103          |          |
| BYWS352MA80P12 | 400/3/50 | 2 x 27,8        | E   | 0   | V         | G        | 2.440     | 4,4  | 16 (**)                 | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 103          |          |



## TECHNISCHE DATEN TK-AUSFÜHRUNGEN - LBP MODELS TECHNICAL DATA

| R290           | SPANNUNG | VERDICHTER      |     | PED | EXPANSION | ABTAUUNG | AUFNAHMEN |      | INDUSTRIESTECKER (2P+E) | VERFLÜSSIGER |                   | VERDAMPFER |                   |      | NETTOGEWICHT | REFERENZ |
|----------------|----------|-----------------|-----|-----|-----------|----------|-----------|------|-------------------------|--------------|-------------------|------------|-------------------|------|--------------|----------|
|                |          | cm <sup>3</sup> | Typ | CAT |           |          | W         | A    | A                       | No. x Ø      | m <sup>3</sup> /h | No. x Ø    | m <sup>3</sup> /h | f(m) | Kg           |          |
| BYWS251LA10P11 | 230/1/50 | 18,7            | E   | 0   | V         | G        | 650       | 3,5  | 16                      | 1x254        | 600               | 1x200      | 500               | 6,5  | 46           | W25      |
| BYWS251LA20P11 | 230/1/50 | 27,8            | E   | 0   | V         | G        | 910       | 5    | 16                      | 1x254        | 600               | 1x200      | 500               | 6,5  | 54           |          |
| BYWS301LA30P11 | 230/1/50 | 27,8            | E   | 0   | V         | G        | 940       | 5,1  | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 64           | W30      |
| BYWS301LA40P11 | 230/1/50 | 33,4            | E   | 0   | V         | G        | 1.090     | 5,9  | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 64           |          |
| BYWS302LA50P11 | 230/1/50 | 2 x 21          | E   | 0   | V         | G        | 1.295     | 7    | 16                      | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 81           |          |
| BYWS302LA50P12 | 400/3/50 | 2 x 21          | E   | 0   | V         | G        | 1.295     | 2,3  | 16 (**)                 | 1x300        | 1.200             | 2x200      | 1.000             | 6,5  | 81           | W35      |
| BYWS352LA60P11 | 230/1/50 | 2 x 27,8        | E   | 0   | V         | G        | 1.800     | 9,8  | 32                      | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 101          |          |
| BYWS352LA60P12 | 400/3/50 | 2 x 27,8        | E   | 0   | V         | G        | 1.800     | 3,3  | 16 (**)                 | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 101          |          |
| BYWS352LA70P11 | 230/1/50 | 2 x 33,4        | E   | 0   | V         | G        | 2.110     | 11,5 | 32                      | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 102          |          |
| BYWS352LA70P12 | 400/3/50 | 2 x 33,4        | E   | 0   | V         | G        | 2.110     | 3,8  | 16 (**)                 | 1x350        | 2.540             | 1x350      | 2.740             | 8    | 102          |          |

[\*]: Leistungsaufnahme des Kompressors / Compressor absorption: Tc -10°C (HBP/MBP); Tcond +50°C / Tc -30°C (LBP); Tcond +50°C [\*\*]: Industriestecker 3P + N + E / Industrial Plug 3P + N + E

## KÄLTELEISTUNG NK R290 - R290 HBP/MBP PERFORMANCE TABLE

| R290<br>CODE   | Kälteleistung Ta = 25°C |      |        |      |         |      |          |      |         |      | Kälteleistung Ta = 32°C |      |         |      |          |      |         |      |        |      | Kälteleistung Ta = 43°C |      |          |      |  |  |  |  |  |  |
|----------------|-------------------------|------|--------|------|---------|------|----------|------|---------|------|-------------------------|------|---------|------|----------|------|---------|------|--------|------|-------------------------|------|----------|------|--|--|--|--|--|--|
|                | Tc -5°C                 |      | Tc 0°C |      | Tc +5°C |      | Tc +15°C |      | Tc -5°C |      | Tc 0°C                  |      | Tc +5°C |      | Tc +15°C |      | Tc -5°C |      | Tc 0°C |      | Tc +5°C                 |      | Tc +10°C |      |  |  |  |  |  |  |
|                | W                       | m³   | W      | m³   | W       | m³   | W        | m³   | W       | m³   | W                       | m³   | W       | m³   | W        | m³   | W       | m³   | W      | m³   | W                       | m³   | W        | m³   |  |  |  |  |  |  |
|                |                         |      |        |      |         |      |          |      |         |      |                         |      |         |      |          |      |         |      |        |      |                         |      |          |      |  |  |  |  |  |  |
| BYWS251MA05P11 | 590                     | 4,7  | 689    | 7,3  | 797     | 11,7 | 1.040    | 36,9 | 548     | 3,3  | 641                     | 5    | 744     | 7,8  | 972      | 24,6 | 481     | 1,8  | 564    | 2,6  | 655                     | 4    | 753      | 6,1  |  |  |  |  |  |  |
| BYWS251MA10P11 | 882                     | 7,8  | 1.011  | 11,7 | 1.152   | 19,6 | 1.459    | 54,4 | 826     | 5,6  | 949                     | 8,3  | 1.081   | 12,8 | 1.371    | 38   | 737     | 3,2  | 849    | 4,6  | 967                     | 6,7  | 1.093    | 9,9  |  |  |  |  |  |  |
| BYWS251MA20P11 | 1.166                   | 11,1 | 1.343  | 17,9 | 1.533   | 27,9 | 1.948    | 75,3 | 1.097   | 8,1  | 1.265                   | 11,9 | 1.443   | 20,1 | 1.832    | 54,4 | 981     | 4,7  | 1.131  | 6,7  | 1.290                   | 9,7  | 1.459    | 16,5 |  |  |  |  |  |  |
| BYWS301MA30P11 | 1.524                   | 16,4 | 1.756  | 25,1 | 2.006   | 38,5 | 2.546    | 101  | 1.427   | 11,2 | 1.645                   | 18,4 | 1.878   | 28,3 | 2.378    | 74,4 | 1.261   | 6,5  | 1.454  | 9,3  | 1.658                   | 14,7 | 1.870    | 24   |  |  |  |  |  |  |
| BYWS301MA40P11 | 1.874                   | 21,6 | 2.149  | 32,2 | 2.442   | 48,8 | 3.069    | 124  | 1.744   | 15,6 | 2.003                   | 23,9 | 2.279   | 36,2 | 2.872    | 93,2 | 1.541   | 8,4  | 1.778  | 12,2 | 2.032                   | 20,7 | 2.301    | 32,1 |  |  |  |  |  |  |
| BYWS302MA50P11 | 2.315                   | 28,1 | 2.662  | 41,6 | 3.034   | 62,7 | 3.842    | 159  | 2.175   | 21,5 | 2.503                   | 31,9 | 2.853   | 47,9 | 3.611    | 121  | 1.939   | 11,4 | 2.233  | 18,9 | 2.545                   | 28,5 | 2.872    | 43,5 |  |  |  |  |  |  |
| BYWS302MA50P12 | 2.315                   | 28,1 | 2.662  | 41,6 | 3.034   | 62,7 | 3.842    | 159  | 2.175   | 21,5 | 2.503                   | 31,9 | 2.853   | 47,9 | 3.611    | 121  | 1.939   | 11,4 | 2.233  | 18,9 | 2.545                   | 28,5 | 2.872    | 43,5 |  |  |  |  |  |  |
| BYWS352MA60P11 | 2.850                   | 36,3 | 3.291  | 53,5 | 3.768   | 80,3 | 4.814    | 203  | 2.670   | 28,1 | 3.085                   | 41,5 | 3.533   | 62,2 | 4.509    | 156  | 2.367   | 16,8 | 2.738  | 25,3 | 3.134                   | 37,9 | 3.552    | 58   |  |  |  |  |  |  |
| BYWS352MA60P12 | 2.850                   | 36,3 | 3.291  | 53,5 | 3.768   | 80,3 | 4.814    | 203  | 2.670   | 28,1 | 3.085                   | 41,5 | 3.533   | 62,2 | 4.509    | 156  | 2.367   | 16,8 | 2.738  | 25,3 | 3.134                   | 37,9 | 3.552    | 58   |  |  |  |  |  |  |
| BYWS352MA70P11 | 3.077                   | 39,8 | 3.540  | 58,4 | 4.038   | 86,8 | 5.120    | 216  | 2.887   | 31   | 3.325                   | 45,6 | 3.793   | 67,7 | 4.802    | 168  | 2.564   | 19   | 2.953  | 28,1 | 3.366                   | 41,7 | 3.799    | 63,3 |  |  |  |  |  |  |
| BYWS352MA70P12 | 3.077                   | 39,8 | 3.540  | 58,4 | 4.038   | 86,8 | 5.120    | 216  | 2.887   | 31   | 3.325                   | 45,6 | 3.793   | 67,7 | 4.802    | 168  | 2.564   | 19   | 2.953  | 28,1 | 3.366                   | 41,7 | 3.799    | 63,3 |  |  |  |  |  |  |
| BYWS352MA80P11 | 3.622                   | 48,4 | 4.144  | 70,1 | 4.697   | 103  | 5.885    | 251  | 3.386   | 38   | 3.877                   | 55   | 4.399   | 80,9 | 5.526    | 196  | 3.001   | 23,7 | 3.453  | 34,8 | 3.936                   | 51,6 | 4.447    | 77,6 |  |  |  |  |  |  |
| BYWS352MA80P12 | 3.622                   | 48,4 | 4.144  | 70,1 | 4.697   | 103  | 5.885    | 251  | 3.386   | 38   | 3.877                   | 55   | 4.399   | 80,9 | 5.526    | 196  | 3.001   | 23,7 | 3.453  | 34,8 | 3.936                   | 51,6 | 4.447    | 77,6 |  |  |  |  |  |  |

## KÄLTELEISTUNG TK R290 - R290 LBP PERFORMANCE TABLE

| R290<br><br>CODE | Kälteleistung Ta = 25°C |      |       |      |           |      |       |      |           |       |       |       | Kälteleistung Ta = 32°C |       |       |      |          |       |       |       |           |       |       |      | Kälteleistung Ta = 43°C |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
|------------------|-------------------------|------|-------|------|-----------|------|-------|------|-----------|-------|-------|-------|-------------------------|-------|-------|------|----------|-------|-------|-------|-----------|-------|-------|------|-------------------------|----|----|----|----------|----|----|----|----------|----|----|----|-----------|----|----|--|-----------|--|--|--|
|                  | Tc -25°C                |      |       |      | Tc -15 °C |      |       |      | Tc -10 °C |       |       |       | Tc -25°C                |       |       |      | Tc -20°C |       |       |       | Tc -15 °C |       |       |      | Tc -10 °C               |    |    |    | Tc -25°C |    |    |    | Tc -20°C |    |    |    | Tc -15 °C |    |    |  | Tc -10 °C |  |  |  |
|                  | W                       |      | m³    |      | W         |      | m     |      | W         |       | m³    |       | W                       |       | m³    |      | W        |       | m³    |       | W         |       | m³    |      | W                       |    | m³ |    | W        |    | m³ |    | W        |    | m³ |    | W         |    | m³ |  |           |  |  |  |
|                  | W                       | m³   | W     | m    | W         | m³   | W     | m    | W         | m³    | W     | m³    | W                       | m³    | W     | m³   | W        | m³    | W     | m³    | W         | m³    | W     | m³   | W                       | m³ | W  | m³ | W        | m³ | W  | m³ | W        | m³ | W  | m³ | W         | m³ |    |  |           |  |  |  |
| BYWS251LA10P11   | 628                     | 4,6  | 744   | 7,1  | 872       | 10,9 | 1.011 | 20,1 | 583       | 3,3   | 694   | 4,9   | 815                     | 7,5   | 947   | 11,5 | 510      | 1,8   | 612   | 2,8   | 723       | 4,1   | 841   | 6,1  |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS251LA20P11   | 828                     | 6,8  | 987   | 10,5 | 1.160     | 18,6 | 1.346 | 31,4 | 776       | 4,9   | 925   | 7,5   | 1.090                   | 11,3  | 1.266 | 20,6 | 679      | 2,8   | 817   | 4,2   | 966       | 6,3   | 1.126 | 9,2  |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS301LA30P11   | 954                     | 83   | 1.141 | 13,3 | 1.345     | 23,4 | 1.564 | 39,3 | 889       | 6     | 1.065 | 9,1   | 1.256                   | 15,2  | 1.463 | 25,9 | 771      | 3,4   | 930   | 5,1   | 1.103     | 7,6   | 1.289 | 11,1 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS301LA40P11   | 1.070                   | 9,7  | 1.265 | 16,5 | 1.478     | 27   | 1.708 | 44,7 | 7         | 1.177 | 10,4  | 1.377 | 18,2                    | 1.592 | 29,6  | 867  | 4        | 1.033 | 5,9   | 1.211 | 8,6       | 1.401 | 13,2  |      |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS302LA50P11   | 1.411                   | 15,5 | 1.684 | 25,7 | 1.988     | 41,7 | 2.320 | 69,2 | 1.316     | 10,3  | 1.579 | 18,2  | 1.870                   | 29,4  | 2.185 | 48,1 | 1.158    | 6,1   | 1.398 | 9,1   | 1.660     | 14,9  | 1.941 | 25,1 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS302LA30P12   | 1.411                   | 15,5 | 1.684 | 25,7 | 1.988     | 41,7 | 2.320 | 69,2 | 1.316     | 10,3  | 1.579 | 18,2  | 1.870                   | 29,4  | 2.185 | 48,1 | 1.158    | 6,1   | 1.398 | 9,1   | 1.660     | 14,9  | 1.941 | 25,1 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS352LA60P11   | 1.939                   | 25,7 | 2.313 | 40,8 | 2.720     | 64,9 | 3.157 | 106  | 1.812     | 18,6  | 2.165 | 29,6  | 2.549                   | 46,8  | 2.962 | 74,8 | 1.579    | 9,3   | 1.899 | 15,8  | 2.248     | 25,8  | 2.621 | 40,6 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS352LA60P12   | 1.939                   | 25,7 | 2.313 | 40,8 | 2.720     | 64,9 | 3.157 | 106  | 1.812     | 18,6  | 2.165 | 29,6  | 2.549                   | 46,8  | 2.962 | 74,8 | 1.579    | 9,3   | 1.899 | 15,8  | 2.248     | 25,8  | 2.621 | 40,6 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS352LA70P11   | 2.175                   | 30,4 | 2.566 | 47,3 | 2.992     | 73,9 | 3.451 | 118  | 2.023     | 22    | 2.392 | 34,4  | 2.793                   | 53,5  | 3.225 | 84,4 | 1.774    | 11    | 2.108 | 19,3  | 2.468     | 29,9  | 2.853 | 46,4 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |
| BYWS302LA70P12   | 2.175                   | 30,4 | 2.566 | 47,3 | 2.992     | 73,9 | 3.451 | 118  | 2.023     | 22    | 2.392 | 34,4  | 2.793                   | 53,5  | 3.225 | 84,4 | 1.774    | 11    | 2.108 | 19,3  | 2.468     | 29,9  | 2.853 | 46,4 |                         |    |    |    |          |    |    |    |          |    |    |    |           |    |    |  |           |  |  |  |