

# ULTRASTAR

INNOVATIVE RUBBER CONSTRUCTION, SUPERIOR  
BARRIER TYPE IMPERMEABILITY



| TECHNICAL DATA                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |     |       |      |           |      |        |       |              |              |
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|  |  |  |  |  |  |  |  |  |     |       |      |           |      |        |       |              |              |
| PART REF.                                                                         | HOSE SIZE                                                                         |                                                                                   |                                                                                   | R.O.D                                                                             |                                                                                   | O.D                                                                               |                                                                                    | MAX. W.P                                                                            |     | BURST |      | MIN. BEND |      | WEIGHT |       | FITTINGS     |              |
|                                                                                   | DN                                                                                | dash                                                                              | inch                                                                              | mm                                                                                | inch                                                                              | mm                                                                                | inch                                                                               | bar                                                                                 | psi | bar   | psi  | mm        | inch | g/m    | lb/ft | Std 1        | Std 2        |
| H01133005*                                                                        | 5                                                                                 | -4                                                                                | 3/16"                                                                             | 11,2                                                                              | 0,44                                                                              | 13,0                                                                              | 0,51                                                                               | 35                                                                                  | 500 | 150   | 2170 | 85        | 3,35 | 217    | 0,15  | SC+C00300-04 | SF+K00400-04 |
| H01133008*                                                                        | 8                                                                                 | -6                                                                                | 5/16"                                                                             | 15,4                                                                              | 0,61                                                                              | 17,2                                                                              | 0,68                                                                               | 35                                                                                  | 500 | 150   | 2170 | 85        | 3,35 | 336    | 0,23  | SC+C00300-06 | SF+K00400-06 |
| H01133010*                                                                        | 10                                                                                | -8                                                                                | 13/32"                                                                            | 17,5                                                                              | 0,69                                                                              | 19,3                                                                              | 0,76                                                                               | 35                                                                                  | 500 | 150   | 2170 | 95        | 3,74 | 385    | 0,26  | SC+C00300-08 | SF+K00400-08 |
| H01133012*                                                                        | 12                                                                                | -10                                                                               | 1/2"                                                                              | 21,6                                                                              | 0,85                                                                              | 23,4                                                                              | 0,92                                                                               | 35                                                                                  | 500 | 150   | 2170 | 115       | 4,53 | 533    | 0,36  | SC+C00300-10 | SF+K00400-10 |
| H01133016*                                                                        | 16                                                                                | -12                                                                               | 5/8"                                                                              | 25,5                                                                              | 1,00                                                                              | 27,3                                                                              | 1,07                                                                               | 35                                                                                  | 500 | 150   | 2170 | 135       | 5,31 | 676    | 0,45  | SC+C00300-12 | SF+K00400-12 |
| H01133022*                                                                        | 22                                                                                | -16                                                                               | 7/8"                                                                              | 29,5                                                                              | 1,16                                                                              | 31,5                                                                              | 1,24                                                                               | 35                                                                                  | 500 | 150   | 2170 | 100       | 3,94 | 724    | 0,49  | SC+C00300-16 | SF+K00400-16 |
| H01133028*                                                                        | 28                                                                                | -20                                                                               | 1.1/8"                                                                            | 36,1                                                                              | 1,42                                                                              | 38,1                                                                              | 1,50                                                                               | 35                                                                                  | 500 | 150   | 2170 | 120       | 4,72 | 900    | 0,60  | SC+C00300-20 | SF+K00400-20 |
| H01133035*                                                                        | 35                                                                                | -24                                                                               | 1.3/8"                                                                            | 42,8                                                                              | 1,69                                                                              | 44,8                                                                              | 1,76                                                                               | 35                                                                                  | 500 | 150   | 2170 | 120       | 4,72 | 1214   | 0,82  |              | SF+K00400-24 |

## KEY FEATURES

- Very low permeability to refrigerant fluids (performance with R134a < 5 kg/m<sup>2</sup>/yr), equivalent to type E hoses
- High flexibility

## APPLICATIONS & FLUIDS

- Bus and off-highway equipment air-conditioning systems
- Recommended lubricants: PAG, POE
- Not recommended with refrigerant gases using mineral oils as lubricants
- Refrigerants: R134a; R1234yf

## CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

125 °C, 257 °F

## TUBE

Unique molecular barrier compound made from synthetic rubber (CIIR) and advanced materials

## REINFORCEMENT

One steel wire braid

## COVER

High temperature and environment resistant synthetic rubber

## APPLICABLE SPECS

SAE J3062 Type B Class I (meets the performance of Type E); SAE J2064

## TYPE APPROVALS

CU-TR

## REMARKS



- *Guaranteed performance only with Manuli fittings*
- *Ask Manuli Hydraulics about other refrigerants and lubricants*