

TECHNICAL DATA



YUKON D – HEAT PUMP VERSION

Heating only unit with remote evaporator.

| YUKON D | | 0111 | 0241 | 0302 | 0402 | 0533 | 0643 | 0754 |
|--|---------|----------|----------|----------|----------|------------|------------|------------|
| Heating capacity ^{(2) (6)} | kW | 36 | 79 | 98 | 130 | 172 | 206 | 243 |
| Power consumption ^{(2) (6)} | kW | 15 | 32 | 40 | 53 | 70 | 84 | 99 |
| COP ^{(2) (6)} | - | 2,45 | 2,46 | 2,45 | 2,45 | 2,45 | 2,44 | 2,46 |
| Water flow rate ^{(2) (6)} | Kg/s | 0,28 | 0,63 | 0,78 | 1,03 | 1,37 | 1,64 | 1,93 |
| Water pressure drop ^{(2) (6)} | kPa | 2,8 | 8,0 | 12,0 | 15,6 | 26,7 | 21,1 | 28,8 |
| Water connections | " | 1" ISO | 1" ISO | 1" ISO | 1" ISO | 1.1/4" ISO | 1.1/4" ISO | 1.1/4" ISO |
| No. of compressors | | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| No. of circuits | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lenght ⁽⁷⁾ | mm | 1500 | 1500 | 2750 | 2750 | 3700 | 3700 | 4100 |
| Width ⁽⁷⁾ | mm | 1060 | 1060 | 1150 | 1150 | 1250 | 1250 | 1400 |
| Height ⁽⁷⁾ | mm | 1900 | 1900 | 2500 | 2500 | 2500 | 2500 | 2500 |
| Weight ⁽⁷⁾ | Kg | 900 | 950 | 2500 | 2500 | 3400 | 3400 | 4000 |
| Sound power | dB(A) | 75 | 78 | 79 | 80 | 81 | 82 | 83 |
| Sound pressure ⁽⁸⁾ | dB(A) | 47 | 50 | 51 | 52 | 53 | 54 | 55 |
| Power supply | V/ph/Hz | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |

| YUKON D | | 0884 | 1055 | 1215 | 1386 | 1586 | 1744 |
|--|---------|------------|------------|----------|----------|----------|----------|
| Heating capacity ^{(2) (6)} | kW | 275 | 315 | 362 | 415 | 470 | 527 |
| Power consumption ^{(2) (6)} | kW | 114 | 139 | 162 | 185 | 210 | 224 |
| COP ^{(2) (6)} | - | 2,45 | 2,44 | 2,42 | 2,43 | 2,43 | 2,44 |
| Water flow rate ^{(2) (6)} | Kg/s | 2,20 | 2,50 | 2,90 | 3,30 | 3,70 | 4,20 |
| Water pressure drop ^{(2) (6)} | kPa | 21,7 | 29,1 | 27,1 | 24,7 | 16,8 | 15,1 |
| Water connections | " | 1.1/2" ISO | 1.1/2" ISO | 2" ISO | 2" ISO | 2" ISO | 2" ISO |
| No. of compressors | | 4 | 5 | 5 | 6 | 6 | 4 |
| No. of circuits | | 1 | 1 | 1 | 1 | 1 | 1 |
| Lenght ⁽⁷⁾ | mm | 4100 | 5700 | 5700 | 5800 | 5800 | 6700 |
| Width ⁽⁷⁾ | mm | 1400 | 1450 | 1450 | 1550 | 1550 | 1750 |
| Height ⁽⁷⁾ | mm | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| Weight ⁽⁷⁾ | Kg | 4000 | 5200 | 5200 | 6000 | 6000 | 7500 |
| Sound power | dB(A) | 84 | 84 | 85 | 86 | 86 | 91 |
| Sound pressure ⁽⁸⁾ | dB(A) | 56 | 56 | 57 | 58 | 58 | 63 |
| Power supply | V/ph/Hz | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 | 400/3/50 |

(1) Water temperature in/out: 12°C / 7°C. Outdoor air temperature: 35°C

(2) Performances according to EN 14511

(3) Water temperature in/out: -4°C / -8°C with 35% ethylene glycol. Outdoor air temperature: 35°C

(4) Water temperature in/out: 35°C / 50°C. Outdoor air temperature: -5°C

(5) Water temperature in/out: 30°C / 35°C. Outdoor air temperature: -5°C

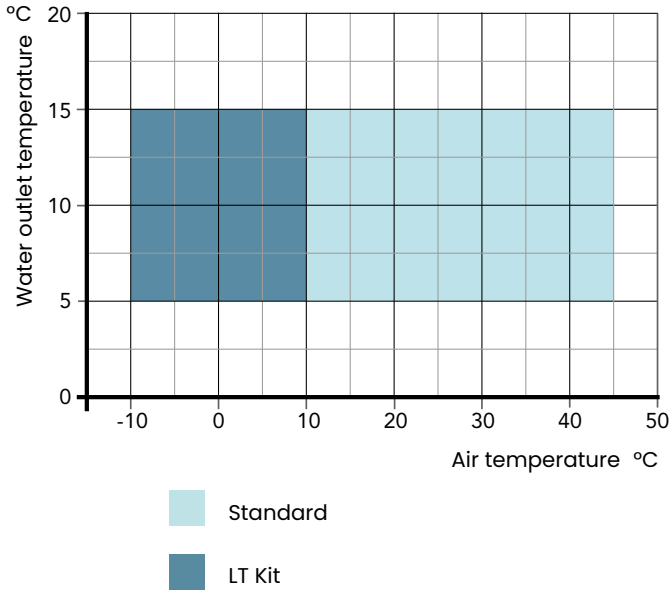
(6) Water temperature in/out: 35°C / 65°C. Outdoor air temperature: -5°C

(7) With cladding

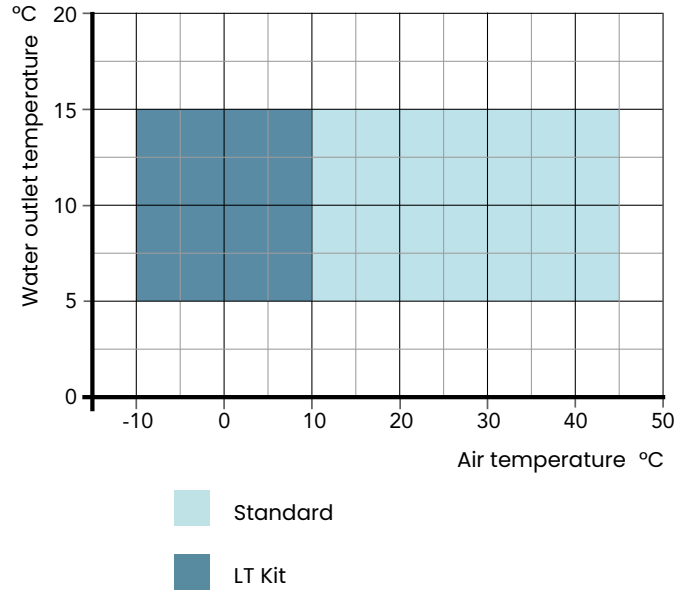
(8) Sound pressure level 10m with directivity factor Q=2

OPERATING LIMITS

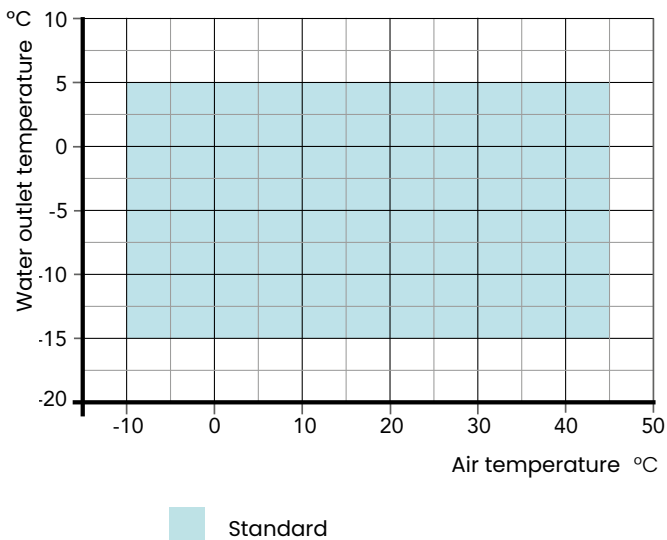
YUKON C - Comfort version



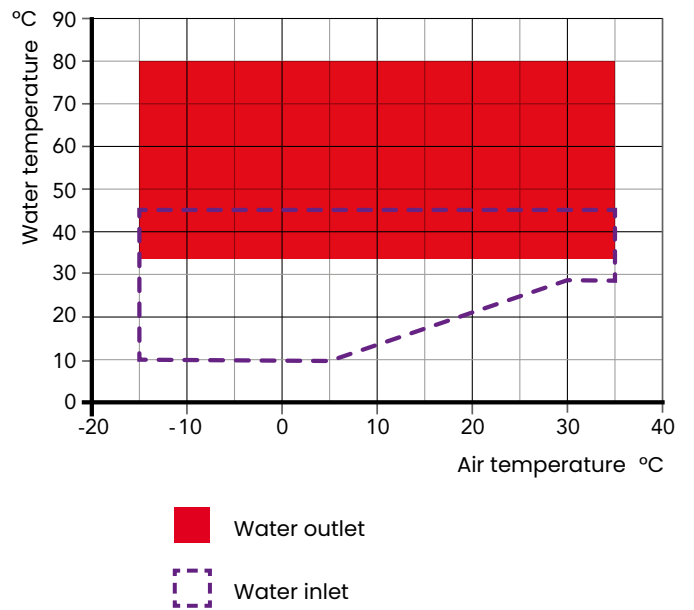
YUKON R - 4-pipe reversible cooling version



YUKON B - Brine version

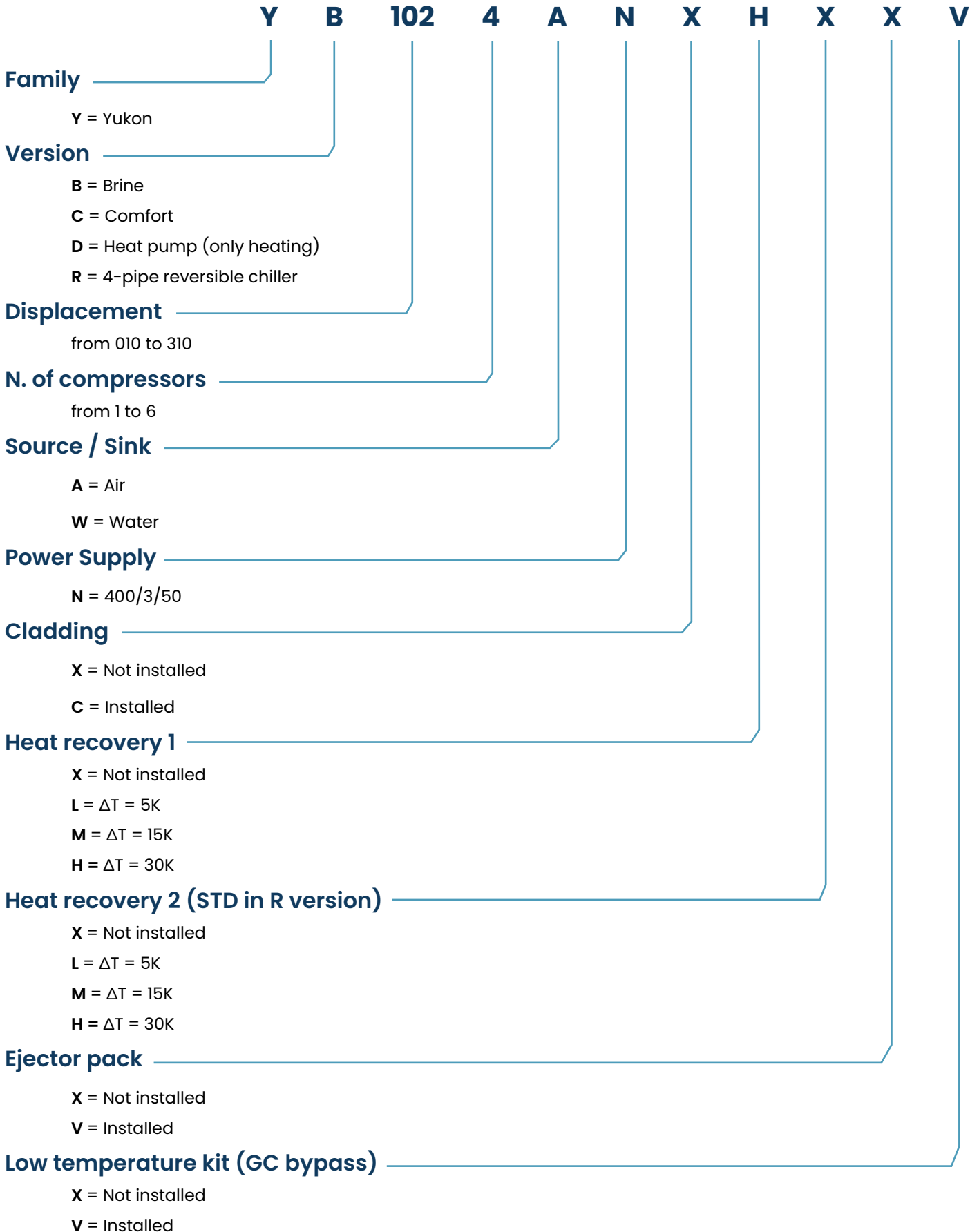


YUKON D - Heat pump version
YUKON R - 4-pipe reversible heating version



UNIT IDENTIFICATION & NOMENCLATURE

The simplest way to define in a clear way & in all details the yukon units for your plant



| YUKON D | 0111 | 0241 | 0302 | 0402 | 0533 | 0643 | 0754 | 0884 | 1055 | 1215 | 1386 | 1586 | 1744 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Flooded evaporator | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2nd heat recovery hx | -- | -- | o | o | o | o | o | o | o | o | o | o | o |
| Soft starter | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Inverter | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Low noise opt./cladding | • | • | o | o | o | o | o | o | o | o | o | o | o |
| Ejector | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Heat recovery 5K | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Heat recovery 15K | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Heat recovery 30K | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Low temp.kit * | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Gas cooler | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Gas cooler LN | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| Modbus TCP/IP | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Remote monitoring | • | • | • | • | • | • | • | • | • | • | • | • | • |

• Standard, o Optional, -- Not available, □ On request
* Mandatory below 10°C of external operating temperature in chiller mode
LN = Low Noise

| YUKON R | 0111 | 0241 | 0302 | 0402 | 0533 | 0643 | 0754 | 0884 | 1055 | 1215 | 1386 | 1586 | 1744 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Flooded evaporator | -- | -- | • | • | • | • | • | • | • | • | • | • | • |
| 2nd heat recovery hx | -- | -- | o | o | o | o | o | o | o | o | o | o | o |
| Soft starter | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Inverter | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Low noise opt./cladding | • | • | o | o | o | o | o | o | o | o | o | o | o |
| Ejector | -- | -- | o | o | o | o | -- | -- | -- | -- | -- | -- | -- |
| Heat recovery 5K | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Heat recovery 15K | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Heat recovery 30K | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Low temp.kit * | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Gas cooler | o | o | o | o | o | o | o | o | o | o | o | o | o |
| Gas cooler LN | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| Modbus TCP/IP | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Remote monitoring | • | • | • | • | • | • | • | • | • | • | • | • | • |

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