

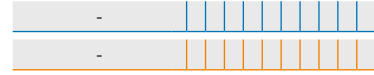
## CHAPTER 3 - SYSTEM LINE

Power (kW) Page



## WRC/SL 3122÷5281

Silenced Dry-Coolers with axial fans

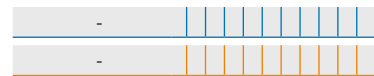


154 - 155



## WRC/SSL 3132÷5282

Super silenced Dry-Coolers with axial fans

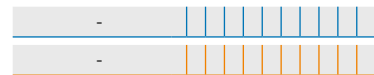


156 - 157



## MR 50÷80

Remote Hydronic Modules

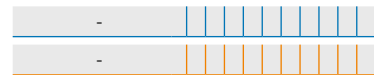


158 - 159



## MR 1500÷2500

Remote Hydronic Modules with pump kit



160 - 161

## LEGENDA

## Version

- Cooling only
- Heating only
- Cooling & Heating

## Compressor

- Rotary
- Inverter Scroll
- Digital Scroll
- Scroll
- Inverter Screw
- Screw
- Turbocor
- Inverter Centrifugal
- Centrifugal

## Fan

- Axial
- Radial
- High ESP Radial
- EC Inverter Plug-Fan

## Exchanger

- Plate
- Shell and Tube
- Flooded Shell and Tube
- Microchannel

## Solution

- Free-Cooling
- Domestic Hot Water
- AquaLogik
- A Class Cooling
- A Class Heating






















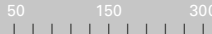



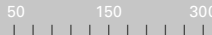


## Solution

- 4-Pipe system
- Web Monitoring
- Silenced
- Super silenced
- Single Skin
- Double Skin
- Mixing Box
- Economizer
- Economizer and Thermodynamic Coil-Boost Heat Recovery
- Economizer and Cross-flow Heat Recovery
- Economizer and Wheel Heat Recovery

## Refrigerant

- R410A
- R452B
- R454B
- R407C
- R134A
- R513A
- R1234ze
- H<sub>2</sub>O

# CHAPTER 4 - UPPER LINE

|  |   | Power (kW)  | Page      |
|--|---|---|-----------|
|    | <b>URT/EC/WP 051÷131 S/K</b>  |    |           |
|  | Single Skin packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans<br>   | 63-162 kW<br>65-171 kW  | 164 - 165 |
|    | <b>URT/EC 051÷212 S/IK</b>  |    |           |
|  | Double Skin packaged Roof Top units with Inverter Scroll compressors and EC Inverter Plug-Fans<br>    | 58-252 kW<br>60-262 kW  | 166 - 167 |
|   | <b>URT/EC/MS 051÷212 S/IK</b>   |    |           |
|  | Double Skin packaged Roof Top units with Inverter Scroll compressors, EC Inverter Plug-Fans and Mixing Box<br>                            | 58-252 kW<br>60-262 kW  | 168 - 169 |
|  | <b>URT/EC/ECO 051÷212 S/IK</b>  |  |           |
|  | Double Skin packaged Roof Top units with Inverter Scroll compressors, EC Inverter Plug-Fans and Economizer<br>                            | 58-252 kW<br>60-262 kW  | 170 - 171 |
|  | <b>URT/EC/ECO/REC-FX 051÷212 S/IK</b>   |  |           |
|  | Double Skin packaged Roof Top units with Inverter Scroll compressors, EC Inverter Plug-Fans, Economizer and Cross-flow Heat Recovery<br>  | 58-252 kW<br>60-262 kW  | 172 - 173 |
|  | <b>URT/EC/ECO/REC-WH 051÷212 S/IK</b>   |  |           |
|  | Double Skin packaged Roof Top units with Inverter Scroll compressors, EC Inverter Plug-Fans, Economizer and Wheel Heat Recovery<br>       | 58-252 kW<br>60-262 kW  | 174 - 175 |
|  | <b>URT/EC 051÷212 S/K</b>   |  |           |
|  | Double Skin packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans<br>   | 58-252 kW<br>60-262 kW  | 176 - 177 |



Remote Condensers, Dry-Coolers and Hydronic Modules.

|                     |           |
|---------------------|-----------|
| ARC 1111÷4222 K     | 140 - 141 |
| ARC/SL 1111÷4222 K  | 142 - 143 |
| ARC/SSL 2111÷4222 K | 144 - 145 |
| ARC 4141÷5282 Y     | 146 - 147 |
| ARC/SL 4231÷5282 Y  | 148 - 149 |
| ARC/SSL 4151÷5281 Y | 150 - 151 |
| WRC 3121÷5282       | 152 - 153 |
| WRC/SL 3122÷5281    | 154 - 155 |
| WRC/SSL 3132÷5282   | 156 - 157 |
| MR 50÷80            | 158 - 159 |
| MR 1500÷2500        | 160 - 161 |



# ARC 1111÷4222 K

REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The Remote aircooled Condensers with axial fans of the ARC series are designed to be combined with evaporating units with R410A refrigerant (JEE /S/K/P).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units can be installed with either horizontal or vertical air delivery, as needed.

## VERSION

### ARC

Base unit

## FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

- SD Wiring integrated in branch circuit box
- FR Fan speed control

### LOOSE ACCESSORIES:

- SVV Supports for vertical air flow versions

## COMBINATIONS

| JEE S/K/P | 4    | 5    | 7    | 8    | 9    | 11   | 14   | 16   | 18   | 20   | 24   | 27   | 34   | 40   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ARC       | 1111 | 1111 | 1111 | 1111 | 1111 | 1112 | 2111 | 2111 | 2112 | 2113 | 3111 | 3112 | 3113 | 2121 |
| JEE S/K/P | 051  | 061  | 071  | 081  | 091  | 101  | 111  | 131  | 152  | 172  |      |      |      |      |
| ARC       | 3114 | 3121 | 3122 | 3123 | 3124 | 3125 | 3131 | 3132 | 4221 | 4222 |      |      |      |      |

## TECHNICAL DATA - ARC 1111÷4222 K

| MODEL                      |                  |         | 1111     | 1112 | 2111 | 2112 | 2113     | 2121 | 3111 | 3112 | 3113 | 3114 |
|----------------------------|------------------|---------|----------|------|------|------|----------|------|------|------|------|------|
| Fan                        | Quantity         | n°      | 1        | 1    | 1    | 1    | 1        | 1    | 1    | 1    | 1    | 1    |
| Connections                | In               | Ø mm    | 22       | 28   | 22   | 28   | 28       | 35   | 28   | 28   | 28   | 35   |
|                            | Out              | Ø mm    | 18       | 18   | 18   | 18   | 18       | 28   | 22   | 22   | 22   | 28   |
| Electrical characteristics | Power supply     | V/Ph/Hz | 230/1/50 |      |      |      | 400/3/50 |      |      |      |      |      |
|                            | Absorbed power   | kW      | 0.22     | 0.22 | 0.83 | 0.83 | 0.83     | 1.90 | 0.63 | 1.90 | 1.90 | 1.90 |
|                            | Absorbed current | A       | 0.97     | 0.97 | 1.45 | 1.45 | 1.45     | 3.2  | 1.25 | 3.20 | 3.20 | 3.20 |
| Sound pressure             | STD version (1)  | dB(A)   | 43       | 43   | 51   | 51   | 51       | 58   | 46   | 58   | 58   | 58   |
| Weights                    | Transport weight | Kg      | 89       | 89   | 89   | 94   | 94       | 169  | 158  | 158  | 158  | 178  |
|                            | Operating weight | Kg      | 90       | 91   | 90   | 96   | 96       | 174  | 161  | 163  | 164  | 184  |

| MODEL                      |                  |         | 3121     | 3122 | 3123 | 3124 | 3125 | 3131 | 3132 | 4221  | 4222  |
|----------------------------|------------------|---------|----------|------|------|------|------|------|------|-------|-------|
| Fan                        | Quantity         | n°      | 2        | 2    | 2    | 2    | 2    | 3    | 3    | 4     | 4     |
| Connections                | In               | Ø mm    | 35       | 42   | 35   | 42   | 42   | 42   | 54   | 2x35  | 2x35  |
|                            | Out              | Ø mm    | 28       | 35   | 28   | 35   | 35   | 35   | 35   | 2x28  | 2x28  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |      |      |      |       |       |
|                            | Absorbed power   | kW      | 1.26     | 1.26 | 3.80 | 3.80 | 3.80 | 5.70 | 5.70 | 5.76  | 7.20  |
|                            | Absorbed current | A       | 2.50     | 2.50 | 6.40 | 6.40 | 6.40 | 9.60 | 9.60 | 11.60 | 15.20 |
| Sound pressure             | STD version (1)  | dB(A)   | 48       | 48   | 60   | 60   | 60   | 62   | 62   | 54    | 55    |
| Weights                    | Transport weight | Kg      | 178      | 198  | 178  | 198  | 218  | 304  | 322  | 555   | 555   |
|                            | Operating weight | Kg      | 184      | 207  | 184  | 207  | 230  | 313  | 336  | 573   | 569   |

## DIMENSIONS

| MODEL |     |    | 1111 | 1112 | 2111 | 2112 | 2113 | 2121 | 3111 | 3112 | 3113 | 3114 | 3121 | 3122 | 3123 | 3124 | 3125 | 3131 | 3132 | 4221 | 4222 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | STD | mm | 1130 | 1130 | 1130 | 1130 | 1130 | 1910 | 1490 | 1490 | 1490 | 1490 | 2630 | 2630 | 2630 | 2630 | 2630 | 3770 | 3770 | 3230 | 3230 |
| W     | STD | mm | 900  | 900  | 900  | 900  | 900  | 900  | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 2400 | 2400 |
| H     | STD | mm | 980  | 980  | 980  | 980  | 980  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 1565 | 1565 |

## DIMENSIONAL

ARC 1111÷4222 K



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



## ARC/SL 1111÷4222 K

SILENCED REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The Remote aircooled Condensers with axial fans of the ARC/SL series are designed to be combined with evaporating units with R410A refrigerant (JEE S/K/P).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units can be installed with either horizontal or vertical air delivery, as needed.

### VERSION

#### **ARC/SL**

Silenced unit

### FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

### ACCESSORIES

#### FACTORY FITTED ACCESSORIES:

SD Wiring integrated in branch circuit box  
FR Fan speed control

#### LOOSE ACCESSORIES:

SVV Supports for vertical air flow versions

### COMBINATIONS

| JEE S/K/P | 4    | 5    | 7    | 8    | 9    | 11   | 14   | 16   | 18   | 20   | 24   | 27   | 34   | 40   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ARC/SL    | 1111 | 1111 | 1111 | 1112 | 1113 | 2111 | 2112 | 2113 | 2121 | 3111 | 3111 | 3111 | 3112 | 3120 |
| JEE S/K/P | 051  | 061  | 071  | 081  | 091  | 101  | 111  | 131  | 152  | 172  |      |      |      |      |
| ARC/SL    | 3121 | 3122 | 3123 | 3124 | 3131 | 3132 | 3133 | 3134 | 4221 | 4222 |      |      |      |      |

## TECHNICAL DATA - ARC/SL 1111÷4222 K

| MODEL                      |                  |         | 1111     | 1112 | 1113 | 2111 | 2112 | 2113     | 2121 | 3111 | 3112 | 3120 |
|----------------------------|------------------|---------|----------|------|------|------|------|----------|------|------|------|------|
| Fan                        | Quantity         | n°      | 1        | 1    | 1    | 1    | 1    | 1        | 2    | 1    | 1    | 2    |
|                            | In               | Ø mm    | 22       | 22   | 22   | 22   | 22   | 28       | 28   | 35   | 35   | 28   |
| Connections                | Out              | Ø mm    | 18       | 18   | 18   | 18   | 18   | 18       | 22   | 28   | 28   | 22   |
|                            | Power supply     | V/Ph/Hz | 230/1/50 |      |      |      |      | 400/3/50 |      |      |      |      |
| Electrical characteristics | Absorbed power   | kW      | 0.22     | 0.22 | 0.22 | 0.22 | 0.55 | 0.55     | 0.55 | 1.35 | 1.35 | 1.15 |
|                            | Absorbed current | A       | 0.97     | 0.97 | 0.97 | 0.97 | 0.97 | 0.97     | 0.97 | 2.20 | 2.20 | 2.20 |
| Sound pressure             | SL version (1)   | dB(A)   | 43       | 43   | 43   | 43   | 43   | 43       | 43   | 52   | 52   | 42   |
| Weights                    | Transport weight | Kg      | 89       | 89   | 89   | 89   | 89   | 94       | 99   | 158  | 169  | 215  |
|                            | Operating weight | Kg      | 90       | 91   | 92   | 90   | 90   | 96       | 105  | 161  | 174  | 221  |

| MODEL                      |                  |         | 3121     | 3122 | 3123 | 3124 | 3131 | 3132 | 3133 | 3134 | 4221 | 4222 |
|----------------------------|------------------|---------|----------|------|------|------|------|------|------|------|------|------|
| Fan                        | Quantity         | n°      | 2        | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 4    | 4    |
|                            | In               | Ø mm    | 35       | 42   | 35   | 42   | 42   | 42   | 54   | 54   | 2x35 | 2x42 |
| Connections                | Out              | Ø mm    | 28       | 35   | 28   | 35   | 35   | 35   | 35   | 35   | 2x28 | 2x35 |
|                            | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |      |      |      |      |      |      |
| Electrical characteristics | Absorbed power   | kW      | 0.88     | 0.88 | 2.70 | 2.70 | 1.89 | 4.05 | 4.05 | 4.05 | 4.60 | 4.60 |
|                            | Absorbed current | A       | 1.46     | 1.46 | 4.40 | 4.40 | 3.75 | 6.60 | 6.60 | 6.60 | 8.80 | 8.80 |
| Sound pressure             | SL version (1)   | dB(A)   | 43       | 43   | 54   | 54   | 50   | 56   | 56   | 56   | 48   | 48   |
| Weights                    | Transport weight | Kg      | 178      | 198  | 178  | 198  | 304  | 304  | 322  | 351  | 555  | 603  |
|                            | Operating weight | Kg      | 184      | 207  | 184  | 207  | 313  | 313  | 336  | 369  | 569  | 625  |

## DIMENSIONS

| MODEL |    |    | 1111 | 1112 | 1113 | 2111 | 2112 | 2113 | 2121 | 3111 | 3112 | 3120 | 3121 | 3122 | 3123 | 3124 | 3131 | 3132 | 3133 | 3134 | 4221 | 4222 |
|-------|----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SL | mm | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 | 1910 | 1490 | 1490 | 2630 | 2630 | 2630 | 2630 | 2630 | 3770 | 3770 | 3770 | 3770 | 3230 | 3230 |
| W     | SL | mm | 900  | 900  | 900  | 900  | 900  | 900  | 900  | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 2400 | 2400 |
| H     | SL | mm | 980  | 980  | 980  | 980  | 980  | 980  | 980  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 1565 | 1565 |

## DIMENSIONAL

ARC/SL 1111÷4222 K



## NOTES

- Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



## ARC/SSL 2111÷4222 K

SUPER SILENCED REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The Remote aircooled Condensers with axial fans of the ARC/SSL series are designed to be combined with evaporating units with R410A refrigerant (JEE S/K/P).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units can be installed with either horizontal or vertical air delivery, as needed.

### VERSION

#### ARC/SSL

Super silenced unit

### FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

### ACCESSORIES

#### FACTORY FITTED ACCESSORIES:

SD Wiring integrated in branch circuit box  
FR Fan speed control

#### LOOSE ACCESSORIES:

SVV Supports for vertical air flow versions

### COMBINATIONS

| JEE S/K/P | 4    | 5    | 7    | 8    | 9    | 11   | 14   | 16   | 18   | 20   | 24   | 27   | 34   | 40   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ARC/SSL   | 2111 | 2111 | 2111 | 2111 | 2111 | 2112 | 2112 | 3111 | 3111 | 3111 | 3112 | 3121 | 3121 | 3121 |
| JEE S/K/P | 051  | 061  | 071  | 081  | 091  | 101  | 111  | 131  | 152  | 172  |      |      |      |      |
| ARC/SSL   | 3124 | 3131 | 3132 | 3133 | 3141 | 4121 | 4131 | 4132 | 4221 | 4222 |      |      |      |      |

## TECHNICAL DATA - ARC/SSL 2111÷4222 K

| MODEL                      |                  |         | 2111     | 2112 | 3111 | 3112     | 3121 | 3124 | 3131 | 3132 |
|----------------------------|------------------|---------|----------|------|------|----------|------|------|------|------|
| Fan                        | Quantity         | n°      | 1        | 1    | 1    | 1        | 2    | 2    | 3    | 3    |
| Connections                | In               | Ø mm    | 22       | 28   | 28   | 35       | 35   | 42   | 42   | 42   |
|                            | Out              | Ø mm    | 18       | 18   | 22   | 28       | 28   | 35   | 35   | 35   |
| Electrical characteristics | Power supply     | V/Ph/Hz | 230/1/50 |      |      | 400/3/50 |      |      |      |      |
|                            | Absorbed power   | kW      | 0.13     | 0.94 | 0.24 | 0.24     | 0.47 | 0.47 | 0.42 | 0.71 |
|                            | Absorbed current | A       | 0.59     | 1.60 | 0.55 | 0.55     | 1.10 | 1.10 | 0.81 | 1.65 |
| Sound pressure             | SSL version (1)  | dB(A)   | 34       | 22   | 41   | 41       | 43   | 43   | 39   | 45   |
| Weights                    | Transport weight | Kg      | 48       | 79   | 158  | 178      | 178  | 198  | 304  | 304  |
|                            | Operating weight | Kg      | 49       | 81   | 161  | 181      | 184  | 207  | 313  | 313  |

| MODEL                      |                  |         | 3133     | 3141 | 4121 | 4131 | 4132 | 4221 | 4222 |
|----------------------------|------------------|---------|----------|------|------|------|------|------|------|
| Fan                        | Quantity         | n°      | 3        | 4    | 2    | 3    | 3    | 4    | 4    |
| Connections                | In               | Ø mm    | 54       | 35   | 42   | 42   | 54   | 2x35 | 2x35 |
|                            | Out              | Ø mm    | 35       | 28   | 35   | 35   | 42   | 2x28 | 2x28 |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |      |      |      |
|                            | Absorbed power   | kW      | 0.71     | 0.94 | 1.78 | 2.67 | 2.67 | 3.56 | 3.56 |
|                            | Absorbed current | A       | 1.65     | 2.20 | 4.44 | 6.66 | 6.66 | 8.88 | 8.88 |
| Sound pressure             | SSL version (1)  | dB(A)   | 45       | 46   | 46   | 48   | 48   | 49   | 49   |
| Weights                    | Transport weight | Kg      | 322      | 407  | 434  | 545  | 586  | 555  | 603  |
|                            | Operating weight | Kg      | 336      | 419  | 450  | 557  | 604  | 569  | 625  |

## DIMENSIONS

| MODEL |     |    | 2111 | 2112 | 3111 | 3112 | 3121 | 3124 | 3131 | 3132 | 3133 | 3141 | 4121 | 4131 | 4132 | 4221 | 4222 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SSL | mm | 1130 | 1130 | 1490 | 1490 | 2630 | 2630 | 3770 | 3770 | 3770 | 4910 | 3230 | 4580 | 4580 | 3230 | 3230 |
| W     | SSL | mm | 900  | 900  | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1260 | 1380 | 1380 | 1380 | 2400 | 2400 | 2400 |
| H     | SSL | mm | 980  | 980  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 990  | 1565 | 1565 | 1565 | 1565 | 1565 |

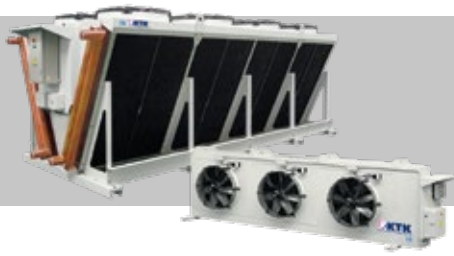
## DIMENSIONAL

ARC/SSL 2111÷4222 K



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



# ARC 4141÷5282 Y

REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The Remote aircooled Condensers with axial fans of the ARC series are designed to be combined with evaporating units with R134a refrigerant (TEE VV/Y). These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil. The units, except the V shaped ones, can be installed with either horizontal or vertical air delivery, as needed.

On request, units can be supplied for **R513A** refrigerant (**ARC 4141+5282 J**).

## VERSION

### ARC

Base unit

## FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

- SD Wiring integrated in branch circuit box
- FR Fan speed control

### LOOSE ACCESSORIES:

- SVV Supports for vertical air flow versions

## COMBINATIONS

|          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |        |        |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|
| TEE VV/Y | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322 | 1452 | 1612 | 1813   | 2053   | 2293   | 2583   |
| ARCY     | 4141 | 4151 | 4161 | 4171 | 4172 | 4251 | 4261 | 4271 | 4281 | 4282 | 5261 | 5271 | 5281 | 5242 | 3x4251 | 3x4252 | 3x4262 | 3x4272 |
| TEE VV/J | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322 | 1452 | 1612 | 1812   | 2052   | 2292   | 2582   |
| ARC J    | 4141 | 4151 | 4161 | 4171 | 4172 | 4251 | 4261 | 4271 | 4281 | 4282 | 5261 | 5271 | 5281 | 5242 | 2x4272 | 2x4281 | 2x4282 | 2x5272 |

## TECHNICAL DATA - ARC 4141÷5282Y

| MODEL                      |                  |         | 4141     | 4151  | 4161  | 4171  | 4172  | 4251  | 4252  | 4261  | 4262  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Quantity         | n°      | 4        | 5     | 6     | 7     | 7     | 10    | 10    | 12    | 12    |
| Connections                | In               | Ø mm    | 2x64     | 2x64  | 2x76  | 2x76  | 2x76  | 2x64  | 2x64  | 2x76  | 2x76  |
|                            | Out              | Ø mm    | 2x42     | 2x42  | 2x42  | 2x54  | 2x54  | 2x42  | 2x42  | 2x42  | 2x42  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 7.20     | 9.00  | 10.80 | 12.60 | 12.60 | 18.00 | 68.40 | 21.60 | 21.60 |
|                            | Absorbed current | A       | 15.20    | 19.00 | 22.80 | 26.60 | 26.60 | 38.00 | 38.00 | 45.60 | 45.60 |
| Sound pressure             | STD version (1)  | dB(A)   | 55       | 56    | 57    | 56    | 56    | 59    | 59    | 59    | 59    |
| Weights                    | Transport weight | Kg      | 822      | 1016  | 1210  | 1302  | 1404  | 1590  | 1467  | 1754  | 1902  |
|                            | Operating weight | Kg      | 854      | 1055  | 1282  | 1366  | 1489  | 1660  | 1521  | 1854  | 2033  |

| MODEL                      |                  |         | 4271     | 4272  | 4281  | 4282  | 5272  | 5273  | 5281  | 5282   |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|--------|
| Fan                        | Quantity         | n°      | 14       | 14    | 16    | 16    | 14    | 14    | 16    | 16     |
| Connections                | In               | Ø mm    | 2x76     | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  | 2x76   |
|                            | Out              | Ø mm    | 2x54     | 2x54  | 2x54  | 2x54  | 2x64  | 2x64  | 2x64  | 2x64   |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |        |
|                            | Absorbed power   | kW      | 25.20    | 25.20 | 28.80 | 28.80 | 34.30 | 34.30 | 39.20 | 57.60  |
|                            | Absorbed current | A       | 53.20    | 53.20 | 60.80 | 60.80 | 72.80 | 72.80 | 83.20 | 115.20 |
| Sound pressure             | STD version (1)  | dB(A)   | 59       | 59    | 60    | 60    | 63    | 63    | 64    | 70     |
| Weights                    | Transport weight | Kg      | 2043     | 2214  | 2331  | 2528  | 3971  | 4218  | 4769  | 4769   |
|                            | Operating weight | Kg      | 2196     | 2367  | 2463  | 2702  | 4102  | 4369  | 4940  | 4940   |

## DIMENSIONS

| MODEL |     |    | 4141 | 4151 | 4161 | 4171 | 4172 | 4251 | 4252 | 4261 | 4262 | 4271 | 4272 | 4281  | 4282  | 5272 | 5273 | 5281  | 5282  |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|-------|-------|
| L     | STD | mm | 5930 | 7280 | 8630 | 9980 | 9980 | 7280 | 7280 | 8630 | 8630 | 9980 | 9980 | 11330 | 11330 | 9240 | 9240 | 10490 | 10490 |
| W     | STD | mm | 1380 | 1380 | 1380 | 1380 | 1380 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400  | 2400  | 2400 | 2400 | 2400  | 2400  |
| H     | STD | mm | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565  | 1565  | 2260 | 2260 | 2260  | 2260  |

## DIMENSIONAL

ARC 4141÷4282Y

ARC 5261÷5282Y



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



# ARC/SL 4231÷5282 Y

SILENCED REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The Remote aircooled Condensers with axial fans of the ARC/SL series are designed to be combined with evaporating units with R134a refrigerant (TEE VV/Y). These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil. The units, except the V shaped ones, can be installed with either horizontal or vertical air delivery, as needed.

On request, units can be supplied for **R513A** refrigerant (**ARC/SL 4231+5282 J**).

## VERSION

### ARC/SL

Silenced unit

## FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

SD Wiring integrated in branch circuit box  
FR Fan speed control

### LOOSE ACCESSORIES:

SVV Supports for vertical air flow versions

## COMBINATIONS

|          |      |      |      |      |      |      |      |      |      |      |      |      |        |        |        |        |        |        |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|
| TEE VV/Y | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322 | 1452   | 1612   | 1813   | 2053   | 2293   | 2583   |
| ARC/SL Y | 4231 | 4232 | 4241 | 4242 | 4251 | 4261 | 4271 | 4281 | 5261 | 5271 | 5281 | 5282 | 2x4272 | 2x4282 | 3x5171 | 3x5172 | 3x5251 | 3x5252 |
| TEE VV/J | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322 | 1452   | 1612   | 1812   | 2052   | 2292   | 2582   |
| ARC/SL J | 4231 | 4232 | 4241 | 4242 | 4251 | 4261 | 4271 | 4281 | 5261 | 5271 | 5281 | 5282 | 2x4272 | 2x4282 | 2x5252 | 2x5261 | 2x5271 | 2x5281 |

## TECHNICAL DATA - ARC/SL 4231÷5282Y

| MODEL                      |                  |         | 4231     | 4232  | 4241  | 4242  | 4251  | 4261  | 4271  | 4272  | 4281  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Quantity         | n°      | 6        | 6     | 8     | 8     | 10    | 12    | 14    | 14    | 16    |
| Connections                | In               | Ø mm    | 2x54     | 2x54  | 2x54  | 2x54  | 2x64  | 2x76  | 2x76  | 2x76  | 2x76  |
|                            | Out              | Ø mm    | 2x42     | 2x42  | 2x35  | 2x42  | 2x42  | 2x42  | 2x54  | 2x54  | 2x54  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 6.90     | 6.90  | 9.20  | 9.20  | 11.50 | 13.80 | 16.10 | 16.10 | 18.40 |
|                            | Absorbed current | A       | 13.20    | 13.20 | 17.60 | 17.60 | 22.00 | 26.40 | 30.80 | 30.80 | 35.20 |
| Sound pressure             | SL version (1)   | dB(A)   | 50       | 50    | 51    | 51    | 52    | 52    | 52    | 52    | 53    |
| Weights                    | Transport weight | Kg      | 891      | 965   | 1179  | 1278  | 1467  | 1754  | 2043  | 2214  | 2331  |
|                            | Operating weight | Kg      | 924      | 1008  | 1222  | 1334  | 1521  | 1854  | 2160  | 2367  | 2463  |

| MODEL                      |                  |         | 4282     | 5171  | 5172  | 5251  | 5252  | 5261  | 5271  | 5281  | 5282  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Quantity         | n°      | 16       | 7     | 7     | 10    | 10    | 12    | 14    | 16    | 16    |
| Connections                | In               | Ø mm    | 2x76     | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  | 2x76  |
|                            | Out              | Ø mm    | 2x54     | 2x54  | 2x54  | 2x54  | 2x54  | 2x54  | 2x64  | 2x64  | 2x64  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 18.40    | 10.92 | 10.92 | 15.60 | 15.60 | 18.72 | 21.84 | 24.96 | 38.40 |
|                            | Absorbed current | A       | 35.20    | 20.30 | 20.30 | 29.00 | 29.00 | 34.80 | 40.60 | 46.40 | 65.60 |
| Sound pressure             | SL version (1)   | dB(A)   | 53       | 53    | 53    | 55    | 55    | 56    | 56    | 57    | 65    |
| Weights                    | Transport weight | Kg      | 2528     | 2097  | 2283  | 2942  | 3117  | 3668  | 4218  | 4769  | 4769  |
|                            | Operating weight | Kg      | 2702     | 2183  | 2396  | 3027  | 3227  | 3799  | 4369  | 4940  | 4940  |

## DIMENSIONS

| MODEL |    |    | 4231 | 4232 | 4241 | 4242 | 4251 | 4261 | 4271 | 4272 | 4281  | 4282  | 5171  | 5172  | 5251 | 5252 | 5261 | 5271 | 5281  | 5282  |
|-------|----|----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| L     | SL | mm | 4580 | 4580 | 5930 | 5930 | 7280 | 8630 | 9980 | 9980 | 11330 | 11330 | 10275 | 10275 | 6740 | 6740 | 7990 | 9240 | 10490 | 10490 |
| W     | SL | mm | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400  | 2400  | 1170  | 1170  | 2400 | 2400 | 2400 | 2400 | 2400  | 2400  |
| H     | SL | mm | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565  | 1565  | 1805  | 1805  | 2260 | 2260 | 2260 | 2260 | 2260  | 2260  |

## DIMENSIONAL

ARC/SL 4231÷4282 Y

ARC/SL 5171÷5282 Y



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



# ARC/SSL 4151÷5281 Y

SUPER SILENCED REMOTE AIRCOOLED CONDENSERS WITH AXIAL FANS.

The remote aircooled Condensers with axial fans of the ARC/SSL series are designed to be combined with evaporating units with R134a refrigerant (TEE VV/Y).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units, except the V shaped ones, can be installed with either horizontal or vertical air delivery, as needed.

On request, units can be supplied for **R513A** refrigerant (**ARC/SSL 4151+5281 J**).

## VERSION

### ARC/SSL

Super silenced unit

## FEATURES

- Frame in oven painted with a polyurethane resin and galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger is made with corrugated tubes with a greater heat exchange surface, fins cut with a special louver configuration to give the best external coefficient of heat exchange.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

SD Wiring integrated in branch circuit box  
FR Fan speed control

### LOOSE ACCESSORIES:

SVV Supports for vertical air flow versions

## COMBINATIONS

|           |      |      |      |      |      |      |      |      |      |      |      |        |        |        |        |        |        |        |
|-----------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|
| TEE VV/Y  | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322   | 1452   | 1612   | 1813   | 2053   | 2293   | 2583   |
| ARC/SSLY  | 4151 | 4161 | 4171 | 4251 | 4251 | 4261 | 4272 | 4282 | 5271 | 5272 | 5281 | 2x4271 | 2x4281 | 2x4282 | 3x4261 | 3x4271 | 3x4272 | 3x4281 |
| TEE VV/J  | 322  | 342  | 392  | 452  | 492  | 592  | 652  | 732  | 902  | 1102 | 1202 | 1322   | 1452   | 1612   | 1812   | 2052   | 2292   | 2582   |
| ARC/SSL J | 4151 | 4161 | 4171 | 4251 | 4251 | 4261 | 4272 | 4282 | 5271 | 5272 | 5281 | 2x4271 | 2x4281 | 2x4282 | 2x4282 | 2x5271 | 2x5272 | 2x5281 |

## TECHNICAL DATA - ARC/SSL 4151÷5281 Y

| MODEL                      |                  |         | 4151     | 4161  | 4171  | 4251  | 4261  | 4271  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|
| Fan                        | Quantity         | n°      | 5        | 6     | 7     | 10    | 12    | 14    |
| Connections                | In               | Ø mm    | 2x64     | 2x76  | 2x76  | 2x64  | 2x76  | 2x76  |
|                            | Out              | Ø mm    | 2x42     | 2x42  | 2x54  | 2x42  | 2x42  | 2x54  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |
|                            | Absorbed power   | kW      | 4.45     | 5.34  | 6.23  | 8.90  | 10.68 | 12.46 |
|                            | Absorbed current | A       | 11.10    | 13.32 | 15.54 | 22.20 | 26.64 | 31.08 |
| Sound pressure             | SSL version (1)  | dB(A)   | 50       | 51    | 50    | 53    | 53    | 53    |
| Weights                    | Transport weight | Kg      | 1016     | 1210  | 1404  | 1467  | 1902  | 2214  |
|                            | Operating weight | Kg      | 1055     | 1282  | 1489  | 1521  | 2033  | 2367  |

| MODEL                      |                  |         | 4272     | 4281  | 4282  | 5271  | 5272  | 5281  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|
| Fan                        | Quantity         | n°      | 14       | 16    | 16    | 14    | 14    | 16    |
| Connections                | In               | Ø mm    | 2x76     | 2x54  | 2x54  | 2x76  | 2x76  | 2x76  |
|                            | Out              | Ø mm    | 2x54     | 2x54  | 2x54  | 2x64  | 2x64  | 2x64  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |
|                            | Absorbed power   | kW      | 12.46    | 14.24 | 14.24 | 12.74 | 12.74 | 14.56 |
|                            | Absorbed current | A       | 31.08    | 35.52 | 35.52 | 31.78 | 31.78 | 36.32 |
| Sound pressure             | SSL version (1)  | dB(A)   | 53       | 54    | 54    | 57    | 57    | 58    |
| Weights                    | Transport weight | Kg      | 2043     | 2528  | 2331  | 3971  | 4218  | 3769  |
|                            | Operating weight | Kg      | 2156     | 2702  | 2463  | 4088  | 4369  | 3940  |

## DIMENSIONS

| MODEL |     |    | 4151 | 4161 | 4171 | 4251 | 4261 | 4271 | 4272 | 4281  | 4282  | 5271 | 5272 | 5281  |
|-------|-----|----|------|------|------|------|------|------|------|-------|-------|------|------|-------|
| L     | SSL | mm | 7280 | 8630 | 9980 | 7280 | 8630 | 9980 | 9980 | 11330 | 11330 | 9240 | 9240 | 10490 |
| W     | SSL | mm | 1380 | 1380 | 1380 | 2400 | 2400 | 2400 | 2400 | 2400  | 2400  | 2400 | 2400 | 2400  |
| H     | SSL | mm | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565 | 1565  | 1565  | 2262 | 2262 | 2262  |

## DIMENSIONAL

ARC/SSL 4151÷4282 Y

ARC/SSL 5271÷5281 Y



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at condensing temperature 50 °C, ambient air temperature 35 °C.
- N.B. Clearance areas are specified on installation, use and maintenance manual.



# WRC 3121÷5282

DRY-COOLERS WITH AXIAL FANS.

The Dry-Coolers with axial fans of the WRC series are designed to be combined with watercooled liquid Chillers (JWH and TWH).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units, except the V shaped ones, can be installed with either horizontal or vertical air delivery, as needed.

## VERSION

### WRC

Base unit

## FEATURES

- Frame in pre-painted galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger with fins cut and special louver configuration to give the best external coefficient of heat exchange and threaded water connections.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

- SD Wiring integrated in branch circuit box
- FR Fan speed control

### LOOSE ACCESSORIES:

- SVV Supports for vertical air flow versions

## COMBINATIONS

|                            |             |             |              |                |                |                |             |             |             |             |             |                |                |                |        |        |        |        |  |
|----------------------------|-------------|-------------|--------------|----------------|----------------|----------------|-------------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|--------|--------|--------|--------|--|
| JWH S/K/P<br>JWH S/G/P     | 051         | 061         | 071          | 081            | 091            | 101            | 111         | 131         | 152         | 172         |             |                |                |                |        |        |        |        |  |
| WRC                        | 3121        | 4111        | 3132         | 3134           | 4121           | 4122           | 3141        | 4131        | 4132        | 3151        |             |                |                |                |        |        |        |        |  |
| JWH S/K<br>JWH S/G         | 051         | 061         | 071          | 081            | 091            | 101            | 111         | 131         | 152         | 172         |             |                |                |                |        |        |        |        |  |
| WRC                        | 3121        | 4111        | 3132         | 3134           | 4121           | 4122           | 3141        | 4131        | 4132        | 3151        |             |                |                |                |        |        |        |        |  |
| JWH VV/H/P/A<br>WRC        | 081<br>6134 | 101<br>8122 | 131<br>8131  | 171<br>6151    |                |                |             |             |             |             |             |                |                |                |        |        |        |        |  |
| TWH S/K/P<br>TWH S/G/P     | 212         | 222         | 242          | 272            | 302            | 342            |             |             |             |             |             |                |                |                |        |        |        |        |  |
| WRC                        | 4141        | 4141        | 4152         | 4152           | 4241           | 4241           |             |             |             |             |             |                |                |                |        |        |        |        |  |
| TWH S/K<br>TWH S/G         | 212         | 222         | 242          | 272            | 302            | 342            |             |             |             |             |             |                |                |                |        |        |        |        |  |
| WRC                        | 4141        | 4141        | 4152         | 4152           | 4241           | 4241           |             |             |             |             |             |                |                |                |        |        |        |        |  |
| TWH VV/H/A<br>WRC          | 202<br>4141 | 262<br>4231 | 312<br>4241  | 362<br>4242    | 412<br>4243    | 472<br>4252    | 552<br>4261 | 612<br>5261 | 722<br>5271 | 812<br>5282 | 982<br>5282 | 1062<br>2x4262 | 1232<br>2x5261 | 1352<br>2x5262 |        |        |        |        |  |
| TWH VV/Y/A<br>TWH VV/J/A   | 322         | 342         | 392          | 452            | 492            | 592            | 652         | 732         | 902         | 1102        | 1322        |                |                |                |        |        |        |        |  |
| WRC                        | 4152        | 4241        | 4241         | 4242           | 4243           | 4261           | 5261        | 5261        | 5271        | 5282        | 2x4262      |                |                |                |        |        |        |        |  |
| TWH VV/Y/A<br>TWH VV/J/A   | 252-T       | 302-T       | 362-T        | 422-T          | 502-T          | 582-T          | 672-T       | 782-T       | 902-T       | 1042-T      | 1182-T      | 1342-T         | 1492-T         | 1662-T         | 1872-T | 2122-T |        |        |  |
| WRC                        | 4141        | 4231        | 4241         | 4242           | 4243           | 4252           | 4261        | 5261        | 5271        | 5282        | 5282        | 2x4262         | 2x5261         | 2x5262         | 2x5281 | 3x4262 |        |        |  |
| TWH VV/Y<br>TWH VV/J       | 322         | 342         | 392          | 452            | 492            | 592            | 652         | 732         | 902         | 1102        | 1202        | 1322           | 1452           | 1612           | 1813   | 2053   | 2293   | 2583   |  |
| WRC                        | 4151        | 4231        | 4241         | 4242           | 4243           | 4252           | 4261        | 5261        | 5271        | 5282        | 5282        | 2x4262         | 2x5261         | 2x5262         | 2x5271 | 2x5281 | 3x4262 | 3x5261 |  |
| TWH/DR TT/H<br>WRC         | 341<br>4242 | 681<br>5271 | 1031<br>5282 | 1371<br>2x4262 | 1711<br>2x5271 | 2061<br>2x5282 |             |             |             |             |             |                |                |                |        |        |        |        |  |
| TWH/DR TT/Y<br>TWH/DR TT/J | 291         | 391         | 581          | 771            | 871            | 1161           | 1541        |             |             |             |             |                |                |                |        |        |        |        |  |
| WRC                        | 4242        | 4252        | 5271         | 5282           | 5282           | 2x4262         | 2x5282      |             |             |             |             |                |                |                |        |        |        |        |  |

## TECHNICAL DATA - WRC 3121÷5282

| MODEL                      |                  |         | 3121     | 3131 | 3132 | 3133 | 3134  | 3141  | 3151  | 4111 | 4121  | 4122  | 4131  | 4132  | 4141  | 4151  | 4152  |
|----------------------------|------------------|---------|----------|------|------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 4.67     | 7.32 | 7.01 | 6.56 | 12.31 | 15.44 | 17.86 | 5.18 | 10.83 | 10.37 | 16.25 | 15.55 | 20.73 | 27.08 | 25.92 |
|                            | Quantity         | n°      | 2        | 3    | 3    | 3    | 3     | 4     | 5     | 1    | 2     | 2     | 3     | 3     | 4     | 5     | 5     |
| Connections                | In               | Ø mm    | 42       | 42   | 54   | 54   | 54    | 54    | 80    | 42   | 70    | 70    | 80    | 102   | 102   | 70    | 70    |
|                            | Out              | Ø mm    | 42       | 42   | 54   | 54   | 54    | 54    | 80    | 42   | 70    | 70    | 80    | 102   | 102   | 70    | 70    |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |       |       |       |      |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 1.32     | 1.98 | 1.98 | 1.98 | 4.95  | 6.60  | 8.25  | 2.00 | 4.00  | 4.00  | 6.00  | 6.00  | 8.00  | 10.00 | 10.00 |
|                            | Absorbed current | A       | 2.6      | 3.9  | 3.9  | 3.9  | 9.3   | 12.4  | 15.5  | 4.0  | 8.0   | 8.0   | 12.0  | 12.0  | 16.0  | 20.0  | 20.0  |
| Sound pressure             | STD version (1)  | dB(A)   | 49       | 51   | 51   | 51   | 57    | 58    | 59    | 49   | 52    | 52    | 53    | 53    | 54    | 55    | 55    |
| Weights                    | Transport weight | Kg      | 145      | 191  | 205  | 245  | 239   | 337   | 516   | 182  | 308   | 326   | 470   | 497   | 646   | 684   | 724   |
|                            | Operating weight | Kg      | 160      | 211  | 225  | 265  | 259   | 367   | 566   | 197  | 333   | 351   | 520   | 547   | 706   | 754   | 794   |

| MODEL                      |                  |         | 4231     | 4232  | 4241  | 4242  | 4243  | 4251  | 4252  | 4261  | 4262  | 5261  | 5262  | 5271  | 5281  | 5282  |       |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 31.96    | 30.45 | 44.80 | 42.62 | 40.60 | 53.28 | 50.75 | 63.93 | 65.33 | 68.50 | 65.33 | 76.22 | 91.33 | 87.11 |       |
|                            | Quantity         | n°      | 6        | 6     | 8     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 12    | 14    | 16    | 16    |       |
| Connections                | In               | Ø mm    | 102      | 2x102 | 102   | 102   | 2x102 | 2x102 | 3x102 | 3x102 | 3x102 | 4x80  | 4x80  | 6x102 | 4x102 | 6x102 |       |
|                            | Out              | Ø mm    | 102      | 2x102 | 102   | 102   | 2x102 | 2x102 | 3x102 | 3x102 | 3x102 | 4x80  | 4x80  | 6x102 | 4x102 | 6x102 |       |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 12.00    | 12.00 | 16.00 | 16.00 | 16.00 | 20.00 | 20.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 28.00 | 32.00 | 32.00 |
|                            | Absorbed current | A       | 24.0     | 24.0  | 32.0  | 32.0  | 32.0  | 40.0  | 40.0  | 48.0  | 48.0  | 48.0  | 48.0  | 48.0  | 56.0  | 64.0  | 64.0  |
| Sound pressure             | STD version (1)  | dB(A)   | 56       | 56    | 57    | 57    | 57    | 58    | 58    | 58    | 59    | 59    | 59    | 59    | 60    | 60    |       |
| Weights                    | Transport weight | Kg      | 860      | 910   | 994   | 1204  | 1274  | 1548  | 1638  | 1892  | 3390  | 3060  | 3390  | 3890  | 3960  | 4380  |       |
|                            | Operating weight | Kg      | 950      | 1000  | 1094  | 1304  | 1374  | 1658  | 1748  | 2032  | 3530  | 3360  | 3690  | 4240  | 4360  | 4780  |       |

## DIMENSIONS

| MODEL |     |    | 3121 | 3131 | 3132 | 3133 | 3134 | 3141 | 3151 | 4111 | 4121 | 4122 | 4131 | 4132 | 4141 | 4151 | 4152 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | STD | mm | 2425 | 3525 | 3525 | 3525 | 3525 | 4625 | 5725 | 1803 | 3278 | 3278 | 4753 | 4753 | 6228 | 7703 | 7703 |
| W     | STD | mm | 630  | 630  | 630  | 630  | 630  | 630  | 630  | 795  | 795  | 795  | 795  | 795  | 795  | 795  | 795  |
| H     | STD | mm | 1098 | 1098 | 1098 | 1098 | 1098 | 1098 | 1098 | 1272 | 1272 | 1272 | 1272 | 1272 | 1272 | 1272 | 1272 |

| MODEL |     |    | 4231 | 4232 | 4241 | 4242 | 4243 | 4251 | 4252 | 4261 | 4262 | 5261 | 5262 | 5271 | 5281 | 5282 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | STD | mm | 4783 | 4783 | 6258 | 6258 | 6258 | 7733 | 7733 | 9208 | 9208 | 6920 | 6920 | 8020 | 9120 | 9120 |
| W     | STD | mm | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 2350 | 2350 | 2350 | 2350 | 2350 |
| H     | STD | mm | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2450 | 2450 | 2450 | 2450 | 2450 |

## DIMENSIONAL

WRC 3121÷5262

WRC 5271÷5282



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at ambient air temperature 35 °C, In-Out water temperature 50/45°C (with ethylene glycol at 35%).
- N.B. Clearance areas are specified on installation, use and maintenance manual.



## TECHNICAL DATA - WRC/SL 3122÷5281

| MODEL                      |                  |         | 3122     | 3131 | 3132 | 3141 | 3151 | 3152  | 4121 | 4131  | 4132  | 4141  | 4142  | 4151  | 4152  |
|----------------------------|------------------|---------|----------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 4.67     | 6.01 | 5.66 | 8.01 | 9.04 | 10.90 | 8.24 | 13.10 | 11.78 | 16.49 | 15.71 | 20.61 | 19.64 |
|                            | Quantity         | n°      | 2        | 3    | 3    | 4    | 5    | 5     | 2    | 3     | 3     | 4     | 4     | 5     | 5     |
| Connections                | In               | Ø mm    | 42       | 54   | 54   | 54   | 70   | 80    | 54   | 70    | 70    | 80    | 102   | 102   | 102   |
|                            | Out              | Ø mm    | 42       | 54   | 54   | 54   | 70   | 80    | 54   | 70    | 70    | 80    | 102   | 102   | 102   |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |      |       |      |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 1.32     | 1.20 | 1.20 | 1.60 | 2.00 | 3.30  | 2.50 | 3.75  | 3.75  | 5.00  | 5.00  | 6.25  | 6.25  |
|                            | Absorbed current | A       | 2.6      | 2.1  | 2.1  | 2.8  | 3.5  | 6.5   | 4.6  | 6.9   | 6.9   | 9.2   | 9.2   | 11.5  | 11.5  |
| Sound pressure             | SL version (1)   | dB(A)   | 49       | 44   | 44   | 45   | 46   | 52    | 45   | 47    | 47    | 48    | 48    | 49    | 49    |
| Weights                    | Transport weight | Kg      | 145      | 145  | 145  | 145  | 388  | 448   | 308  | 388   | 497   | 611   | 646   | 684   | 724   |
|                            | Operating weight | Kg      | 160      | 165  | 165  | 175  | 438  | 498   | 333  | 438   | 547   | 671   | 706   | 754   | 794   |

| MODEL                      |                  |         | 4231     | 4241  | 4242  | 4243  | 4251  | 4252  | 4261  | 4262  | 5261  | 5262  | 5271  | 5272  | 5281  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 21.95    | 34.90 | 32.26 | 29.27 | 40.32 | 36.58 | 48.39 | 43.90 | 52.33 | 49.08 | 61.06 | 57.26 | 65.44 |
|                            | Quantity         | n°      | 6        | 8     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 12    | 14    | 14    | 16    |
| Connections                | In               | Ø mm    | 2x102    | 102   | 102   | 102   | 2x102 | 2x102 | 3x102 | 3x102 | 2x102 | 2x102 | 2x102 | 4x80  | 4x80  |
|                            | Out              | Ø mm    | 2x102    | 102   | 102   | 102   | 2x102 | 2x102 | 3x102 | 3x102 | 2x102 | 2x102 | 2x102 | 4x80  | 4x80  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 7.50     | 10.00 | 10.00 | 10.00 | 12.50 | 12.50 | 15.00 | 15.00 | 15.00 | 15.00 | 17.50 | 17.50 | 20.00 |
|                            | Absorbed current | A       | 13.8     | 18.4  | 18.4  | 18.4  | 23.0  | 23.0  | 27.6  | 27.6  | 27.6  | 27.6  | 32.2  | 32.2  | 36.8  |
| Sound pressure             | SL version (1)   | dB(A)   | 50       | 51    | 51    | 51    | 51    | 51    | 52    | 52    | 52    | 52    | 53    | 53    | 53    |
| Weights                    | Transport weight | Kg      | 910      | 994   | 1204  | 1274  | 1548  | 1638  | 1892  | 2200  | 3060  | 3390  | 3510  | 3890  | 4380  |
|                            | Operating weight | Kg      | 1000     | 1094  | 1304  | 1374  | 1658  | 1748  | 2032  | 2340  | 3360  | 3690  | 3860  | 4240  | 4780  |

## DIMENSIONS

| MODEL |    |    | 3122 | 3131 | 3132 | 3141 | 3151 | 3152 | 4121 | 4131 | 4132 | 4141 | 4142 | 4151 | 4152 |
|-------|----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SL | mm | 2425 | 3525 | 3525 | 4625 | 5725 | 5725 | 3278 | 4753 | 4753 | 6228 | 6228 | 7703 | 7703 |
| W     | SL | mm | 630  | 630  | 630  | 630  | 630  | 630  | 795  | 795  | 795  | 795  | 795  | 795  | 795  |
| H     | SL | mm | 1098 | 1098 | 1098 | 1098 | 1098 | 1098 | 1272 | 1272 | 1272 | 1272 | 1272 | 1272 | 1272 |

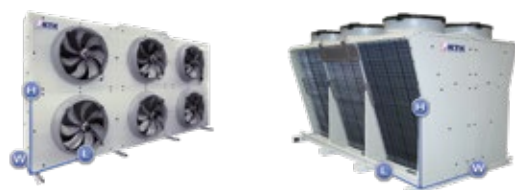
  

| MODEL |    |    | 4231 | 4241 | 4242 | 4243 | 4251 | 4252 | 4261 | 4262 | 5261 | 5262 | 5271 | 5272 | 5281 |
|-------|----|----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SL | mm | 4783 | 6258 | 6258 | 6258 | 7733 | 7733 | 9208 | 9208 | 6920 | 6920 | 8020 | 8020 | 9120 |
| W     | SL | mm | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 2350 | 2350 | 2350 | 2350 | 2350 |
| H     | SL | mm | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2450 | 2450 | 2450 | 2450 | 2450 |

## DIMENSIONAL

WRC/SL 3122÷4262

WRC/SL 5261÷5281



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at ambient air temperature 35 °C, In-Out water temperature 50/45°C (with ethylene glycol at 35%).
- N.B. Clearance areas are specified on installation, use and maintenance manual.



# WRC/SSL 3132÷5282

SUPER SILENCED DRY-COOLERS WITH AXIAL FANS.

The Dry-Coolers with axial fans of the WRC/SSL series are designed to be combined with watercooled liquid Chillers (JWH and TWH).

These units, available in three configurations depending on the level of noiselessness required, Standard, Silenced (SL) and Super silenced (SSL), are equipped with latest generation axial fans, with motor fan shrouds having a large radius of curvature to eliminate all the air flow turbulence and with larger plenum to uniform the air distribution on the cooling coil.

The units, except the V shaped ones, can be installed with either horizontal or vertical air delivery, as needed.

## VERSION

### WRC/SSL

Super silenced unit

## FEATURES

- Frame in pre-painted galvanised steel casework.
- The cowlings of the motorfans are made with a wide bending radius to eliminate any turbulence in the air flow.
- Heat exchanger with fins cut and special louver configuration to give the best external coefficient of heat exchange and threaded water connections.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES:

- SD Wiring integrated in branch circuit box
- FR Fan speed control

### LOOSE ACCESSORIES:

- SVV Supports for vertical air flow versions

## COMBINATIONS

|                            |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
|----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| JWH S/K/P<br>JWH S/G/P     | 051   | 061    | 071    | 081    | 091    | 101    | 111    | 131    | 152    | 172    |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 3132  | 3141   | 3151   | 4131   | 4132   | 4141   | 4151   | 4152   | 4231   | 4241   |        |        |        |        |        |        |        |        |  |  |
| JWH S/K<br>JWH S/G         | 051   | 061    | 071    | 081    | 091    | 101    | 111    | 131    | 152    | 172    |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 3132  | 3141   | 3151   | 4131   | 4132   | 4141   | 4151   | 4152   | 4231   | 4241   |        |        |        |        |        |        |        |        |  |  |
| JWH VV/H/P/A               | 081   | 101    | 131    | 171    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 8131  | 8141   | 8152   | 8241   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| TWH S/K/P<br>TWH S/G/P     | 212   | 222    | 242    | 272    | 302    | 342    |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 4242  | 4242   | 4252   | 4252   | 4262   | 4262   |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| TWH S/K<br>TWH S/G         | 212   | 222    | 242    | 272    | 302    | 342    |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 4242  | 4242   | 4252   | 4252   | 4262   | 4262   |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| TWH VV/H/A                 | 202   | 262    | 312    | 362    | 412    | 472    | 552    | 612    | 722    | 812    | 982    | 1062   | 1232   | 1352   |        |        |        |        |  |  |
| WRC/SSL                    | 4242  | 4253   | 4262   | 4264   | 5271   | 5282   | 2x4261 | 2x4262 | 2x5261 | 2x5282 | 2x5282 | 3x4264 | 2x5271 | 2x5282 |        |        |        |        |  |  |
| TWH VV/Y/A<br>TWH VV/J/A   | 322   | 342    | 392    | 452    | 492    | 592    | 652    | 732    | 902    | 1102   | 1322   |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 4252  | 4262   | 4262   | 4264   | 5271   | 2x4261 | 2x4262 | 2x4263 | 2x5261 | 2x5282 | 3x4264 |        |        |        |        |        |        |        |  |  |
| TWH VV/Y/A<br>TWH VV/J/A   | 252-T | 302-T  | 362-T  | 422-T  | 502-T  | 582-T  | 672-T  | 782-T  | 902-T  | 1042-T | 1182-T | 1342-T | 1492-T | 1662-T | 1872-T | 2122-T |        |        |  |  |
| WRC/SSL                    | 4242  | 4253   | 4262   | 4264   | 5271   | 5282   | 2x4261 | 2x4262 | 2x5261 | 2x5282 | 2x5282 | 3x4264 | 2x5271 | 2x5282 | 4x5261 | 4x5271 |        |        |  |  |
| TWH VV/Y<br>TWH VV/J       | 322   | 342    | 392    | 452    | 492    | 592    | 652    | 732    | 902    | 1102   | 1202   | 1322   | 1452   | 1612   | 1813   | 2053   | 2293   | 2583   |  |  |
| WRC/SSL                    | 4251  | 4253   | 4262   | 4264   | 5271   | 5282   | 2x4261 | 2x4262 | 2x5261 | 2x5282 | 2x5282 | 3x4264 | 2x5271 | 2x5282 | 3x5282 | 4x5261 | 4x5271 | 4x5282 |  |  |
| TWH/DR TT/H                | 341   | 681    | 1031   | 1371   | 1711   | 2061   |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 4264  | 2x5261 | 2x5282 | 3x4264 | 4x4264 | 4x5282 |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
| TWH/DR TT/Y<br>TWH/DR TT/J | 291   | 391    | 581    | 771    | 871    | 1161   | 1541   |        |        |        |        |        |        |        |        |        |        |        |  |  |
| WRC/SSL                    | 4264  | 5282   | 2x5261 | 2x5282 | 2x5282 | 3x4264 | 4x5282 |        |        |        |        |        |        |        |        |        |        |        |  |  |

## TECHNICAL DATA - WRC/SSL 3132÷5282

| MODEL                      |                  |         | 3132     | 3141 | 3142 | 3151 | 3152 | 4131 | 4132 | 4141 | 4151  | 4152  | 4231  | 4241  |
|----------------------------|------------------|---------|----------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 3.83     | 5.51 | 5.11 | 6.88 | 6.38 | 7.80 | 7.64 | 9.87 | 13.11 | 12.33 | 15.58 | 20.78 |
|                            | Quantity         | n°      | 3        | 4    | 4    | 5    | 5    | 3    | 3    | 4    | 5     | 5     | 6     | 8     |
| Connections                | In               | Ø mm    | 54       | 54   | 54   | 70   | 70   | 70   | 70   | 80   | 80    | 80    | 102   | 102   |
|                            | Out              | Ø mm    | 54       | 54   | 54   | 70   | 70   | 70   | 70   | 80   | 80    | 80    | 102   | 102   |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |      |      |      |      |      |      |      |       |       |       |       |
|                            | Absorbed power   | kW      | 0.57     | 0.76 | 0.76 | 0.95 | 0.95 | 1.41 | 1.41 | 1.48 | 1.85  | 1.85  | 2.22  | 2.96  |
|                            | Absorbed current | A       | 1.1      | 1.5  | 1.5  | 1.9  | 1.9  | 3.0  | 3.0  | 4.8  | 6.0   | 6.0   | 7.2   | 9.6   |
| Sound pressure             | SSL version (1)  | dB(A)   | 35       | 36   | 36   | 37   | 37   | 38   | 38   | 38   | 38    | 38    | 39    | 40    |
| Weights                    | Transport weight | Kg      | 191      | 256  | 273  | 332  | 363  | 470  | 497  | 611  | 562   | 684   | 710   | 994   |
|                            | Operating weight | Kg      | 211      | 286  | 303  | 382  | 413  | 520  | 547  | 671  | 632   | 754   | 800   | 1094  |

| MODEL                      |                  |         | 4242     | 4251  | 4252  | 4253  | 4261  | 4262  | 4263  | 4264  | 5261  | 5271  | 5281  | 5282  |
|----------------------------|------------------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fan                        | Air flow         | m³/s    | 19.53    | 25.97 | 24.40 | 24.40 | 31.17 | 29.29 | 30.56 | 27.35 | 31.50 | 36.75 | 39.66 | 36.77 |
|                            | Quantity         | n°      | 8        | 10    | 10    | 10    | 12    | 12    | 12    | 12    | 12    | 14    | 16    | 16    |
| Connections                | In               | Ø mm    | 102      | 102   | 2x102 | 102   | 102   | 2x102 | 3x102 | 2x102 | 2x102 | 2x102 | 2x102 | 4x80  |
|                            | Out              | Ø mm    | 102      | 102   | 2x102 | 102   | 102   | 2x102 | 3x102 | 2x102 | 2x102 | 2x102 | 2x102 | 4x80  |
| Electrical characteristics | Power supply     | V/Ph/Hz | 400/3/50 |       |       |       |       |       |       |       |       |       |       |       |
|                            | Absorbed power   | kW      | 2.96     | 3.70  | 3.70  | 3.70  | 4.40  | 4.40  | 5.64  | 5.64  | 4.44  | 5.18  | 7.52  | 7.52  |
|                            | Absorbed current | A       | 9.6      | 12.0  | 12.0  | 12.0  | 14.4  | 14.4  | 12.0  | 12.0  | 14.4  | 16.8  | 16.0  | 16.0  |
| Sound pressure             | SSL version (1)  | dB(A)   | 40       | 41    | 41    | 41    | 42    | 42    | 43    | 43    | 42    | 42    | 44    | 44    |
| Weights                    | Transport weight | Kg      | 1204     | 1278  | 1548  | 1548  | 1562  | 1892  | 1892  | 2200  | 3060  | 3510  | 3960  | 4380  |
|                            | Operating weight | Kg      | 1304     | 1388  | 1658  | 1658  | 1702  | 2032  | 2032  | 2340  | 3360  | 3860  | 4360  | 4780  |

## DIMENSIONS

| MODEL |     |    | 3132 | 3141 | 3142 | 3151 | 3152 | 4131 | 4132 | 4141 | 4151 | 4152 | 4231 | 4241 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SSL | mm | 3525 | 4625 | 4625 | 5725 | 5725 | 4753 | 4753 | 6228 | 7703 | 7703 | 4783 | 6258 |
| W     | SSL | mm | 630  | 630  | 630  | 630  | 630  | 795  | 795  | 795  | 795  | 795  | 878  | 878  |
| H     | SSL | mm | 1098 | 1098 | 1098 | 1098 | 1098 | 1272 | 1272 | 1272 | 1272 | 1272 | 2322 | 2322 |

| MODEL |     |    | 4242 | 4251 | 4252 | 4253 | 4261 | 4262 | 4263 | 4264 | 5261 | 5271 | 5281 | 5282 |
|-------|-----|----|------|------|------|------|------|------|------|------|------|------|------|------|
| L     | SSL | mm | 6258 | 7733 | 7733 | 7733 | 9208 | 9208 | 9208 | 9208 | 6920 | 8020 | 9120 | 9120 |
| W     | SSL | mm | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 878  | 2350 | 2350 | 2350 | 2350 |
| H     | SSL | mm | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2322 | 2450 | 2450 | 2450 | 2450 |

## DIMENSIONAL

WRC/SSL 3132÷4264

WRC/SSL 5261÷5282



## NOTES

1. Sound pressure level measured in free field conditions at 10 m from the unit. According to ISO 3744.
- N.B. Combinations are made at ambient air temperature 35 °C, In-Out water temperature 50/45°C (with ethylene glycol at 35%).
- N.B. Clearance areas are specified on installation, use and maintenance manual.



## MR 50÷80

REMOTE HYDRONIC MODULES.

The Remote Hydronic Modules of the MR 50÷80 series are intended to solve technical problems resulting from thermal inertia in air conditioning systems for both residential and industrial use. Installing a tank for cooled water allows units to reduce the operating cycles of the compressors, thus extending the useful life of the machines. It also results in a greater capacity of the system itself, a remarkable operational saving and a greater flexibility, being able to work with temperatures other than the design temperatures.

30 l AND 70 l

### VERSION

**MR 50**

30 l tank

**MR 80**

70 l tank

### FEATURES

- Self-supporting frame in peraluman. Easy to remove front panel allows access to the inside of the unit for maintenance and other necessary operations.
- Water circuit includes: insulated inertial tank, safety valve, automatic air release valves, expansion vessel inserted in the storage tank, gauge, air vent valve, plant charge and water drain.

## TECHNICAL DATA - MR 50÷80

| MODEL         |                   |     | 50 | 80  |
|---------------|-------------------|-----|----|-----|
| Water circuit | Tank water volume | l   | 30 | 70  |
|               | Expansion vessel  | l   | 3  | 3   |
|               | Safety valve      | bar | 3  | 3   |
|               | Water connections | "G  | 1" | 1"  |
| Weights       | Transport weight  | Kg  | 28 | 36  |
|               | Operating weight  | Kg  | 78 | 116 |

## DIMENSIONS

| MODEL |     |    | 50   | 80   |
|-------|-----|----|------|------|
| L     | STD | mm | 240  | 340  |
| W     | STD | mm | 320  | 500  |
| H     | STD | mm | 1100 | 1270 |

## CLEARANCE AREA

MR 50÷80  
600 | 600 | 600 | 800





## MR 1500÷2500

REMOTE HYDRONIC MODULES WITH PUMP KIT.

The Remote Hydronic Modules with pump kit of the MR 1500-2500 series are designed to solve technical problems resulting from thermal inertia in air conditioning systems for both residential and industrial use.

Installing a tank for cooled water allows units to reduce the operating cycles of the compressors, thus extending the useful life of the machines. It also results in a greater capacity of the system itself, a remarkable operational saving and a greater flexibility, being able to work with temperatures other than the design temperatures. The tanks are available with a capacity of 1500 and 2500 litres, with circulating pump or double circulating pump accessory and are complete with all the components necessary for a quick on-site installation.

1500 l AND 2500 l

### VERSION

#### **MR 1500**

With 1500 l tank

#### **MR 2500**

With 2500 l tank

### FEATURES

- Self-supporting galvanized steel frame further protected with polyester powder painting. Easy to remove panels allow access to the inside of the unit for maintenance and other necessary operations.
- Electrical board. Present only with the accessories circulating pump, it includes main switch with door safety interlock; automatic switches for protection of circulating pumps, of secondary circuit and of antifreeze heaters, signalling lamps, interface relay and clamps for external connections.
- Water circuit includes: insulated inertial tank, safety valve, automatic air release valves, expansion vessel, gauge, automatic filling group, plant charge and discharge water shut-off valve.

### ACCESSORIES

#### FACTORY FITTED ACCESSORIES:

|         |   |
|---------|---|
| PU1-PU5 | Single circulating pump                           |
| PD1-PD5 | Double circulating pump                           |
| FA      | Antifreeze heater for tank                        |
| FUM     | Antifreeze heater for tank, single pump and pipes |
| FDM     | Antifreeze heater for tank, double pump and pipes |

## TECHNICAL DATA - MR 1500÷2500

| MODEL                            |                   |     | 1500 | 2500 |
|----------------------------------|-------------------|-----|------|------|
| Pump kit                         | Tank water volume | l   | 1500 | 2500 |
|                                  | Expansion vessel  | l   | 2x25 | 3x25 |
|                                  | Safety valve      | bar | 3    | 3    |
|                                  | Water connections | "G  | 4"   | 4"   |
| Transport weight                 | STD version       | Kg  | 470  | 520  |
|                                  | STD+PU1           | Kg  | 513  | 565  |
|                                  | STD+PU2           | Kg  | 569  | 617  |
|                                  | STD+PU3           | Kg  | 569  | 617  |
|                                  | STD+PU4           | Kg  | 634  | 686  |
|                                  | STD+PU5           | Kg  | 740  | 796  |
|                                  | STD+PD1           | Kg  | 586  | 638  |
|                                  | STD+PD2           | Kg  | 696  | 740  |
|                                  | STD+PD3           | Kg  | 696  | 740  |
|                                  | STD+PD4           | Kg  | 826  | 878  |
| Operating weight                 | STD+PD5           | Kg  | 1055 | 990  |
|                                  | STD version       | Kg  | 1970 | 3020 |
|                                  | STD+PU1           | Kg  | 2014 | 3066 |
|                                  | STD+PU2           | Kg  | 2070 | 3118 |
|                                  | STD+PU3           | Kg  | 2070 | 3118 |
|                                  | STD+PU4           | Kg  | 2135 | 3187 |
|                                  | STD+PU5           | Kg  | 2241 | 3297 |
|                                  | STD+PD1           | Kg  | 2088 | 3140 |
|                                  | STD+PD2           | Kg  | 2198 | 3242 |
|                                  | STD+PD3           | Kg  | 2198 | 3242 |
| PUMPS ELECTRICAL CHARACTERISTICS |                   |     |      |      |
| Nominal absorbed power           | PU1               | kW  | 3    | 3    |
|                                  | PU2               | kW  | 5.5  | 5.5  |
|                                  | PU3               | kW  | 7.5  | 7.5  |
|                                  | PU4               | kW  | 15   | 15   |
|                                  | PU5               | kW  | 22   | 22   |
|                                  | PD1               | kW  | 6    | 6    |
|                                  | PD2               | kW  | 11   | 11   |
|                                  | PD3               | kW  | 15   | 15   |
|                                  | PD4               | kW  | 30   | 30   |
|                                  | PD5               | kW  | 44   | 44   |
| Max. running current             | PU1               | A   | 5.6  | 5.6  |
|                                  | PU2               | A   | 11   | 11   |
|                                  | PU3               | A   | 14.6 | 14.6 |
|                                  | PU4               | A   | 28.6 | 28.6 |
|                                  | PU5               | A   | 40.3 | 40.3 |
|                                  | PD1               | A   | 11.2 | 11.2 |
|                                  | PD2               | A   | 22   | 22   |
|                                  | PD3               | A   | 29.2 | 29.2 |
|                                  | PD4               | A   | 57.2 | 57.2 |
|                                  | PD5               | A   | 80.6 | 80.6 |

## DIMENSIONS

| MODEL |     |    | 1500 | 2500 |
|-------|-----|----|------|------|
| L     | STD | mm | 1900 | 1900 |
| W     | STD | mm | 2260 | 2260 |
| H     | STD | mm | 1780 | 1780 |

## CLEARANCE AREA

MR 1500÷2500

800 | 800 | 800 | 800

