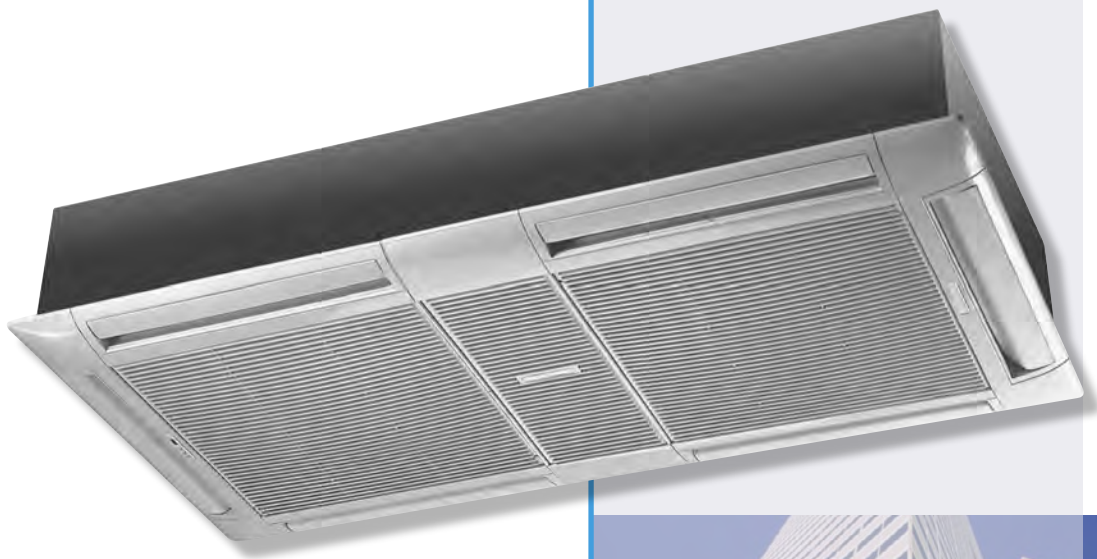




► Chilled Water Cassettes

K-OG 30 & 45



Engineering Data Manual

EDM KOG2-A.2GB

Date : June 2007

Supersedes : None

Airwell

Design Features

Introduction

Chilled Water units of the "Cassette" type offer comfortable air conditioning at a low cost of installation. They fit harmoniously into standard modules of a false ceiling thanks to their design and small space requirements.

They are easy to be connected with water chillers producing chilled or hot water, and are used for :

- Cooling (Chilled Water) and Heating (Electric Heating).
- Heating (Hot Water). Simultaneous operation of Heating (Hot Water) and Electric Heating is strictly FORBIDDEN.

Cassette air treatment unit

It combines excellent technical qualities, reliability and easiness of installation. It includes :

- A flat (287 mm thick), insulated unit, flash mounted to be fitted into the false-ceiling, of a size compatible with standard modules of a false-ceiling (600 x 600 mm).
- Three-speed ventilation.
- Built-in electric heating to be connected on site.
- Condensate pump to lift at the top of the cassette. Draining should be provided for by gravity.
- Electric box of control and overload protection to be mounted on site.
- Combined discharge/air return grille with airfilter, discharge adjustable by hand on all 4 sides, air return at the center.

Casing

- Panels and insulated sheet.
- Combined discharge/air return grille supplied separately for the Cassette.
- Possible hand operated adjustment of air distribution on all four sides. Possibility to close one or two faces of discharge.
- Air return at center with filter.
- Prepunched holes for connection with fresh air intake and connection with a stub duct to treat an adjacent room. In that case it becomes necessary to provide a decompression in the adjacent room (grille ...) to allow air return on the Cassette.

Insulation

Heat and sound insulation throughout the indoor air treatment unit.

Ventilation

- Centrifugal turbine with direct drive.
- Motors mounted on rubbers and equipped with internal thermal safety devices. 3-speed motor for the air treatment unit.

Filtration

Cleanable air filter accessible after opening the discharge/intake combined grille.

- Filter type : Rapidly removable cassettes
- Media : Woven synthetics
- Fire resistance : M4 (PV LNE N° 812 02 29 to 30/01/89)
- Efficiency : 55% (EUROVENT 4/5 - ASHRAE gravimetric 52-76 NF X 44-012)
- Maintenance : Washable (cold water with detergent not more than 25 washings) or dry dedusting.

Electric heating

- The Cassettes are factory-equipped with electric heating to be connected on site.
- The electric heating equipped with heating resistances is heat protected against any abnormal raise of temperature by two thermostats :
 - a thermostat with automatic reset,
 - a thermostat with manual reset.

Kits available

Several kits to control are available :

- Condensing tray kit.
- Kit : motorized 3-way valve with by-pass.
- Electromechanical and electronic control system.

Documentation

Every appliance is supplied with its basic electrical diagrams of connection, specific instructions of installation and use.

Every accessory (or kit) is delivered with technical specifications of assembly and adjustment if need be.

The codified nomenclature of spare parts, exploded views, technical data and recommendations for operation and maintenance are available upon request.

Technical Data

| MODELS | | 30 2 pipes | 45 2 pipes | 45 4 pipes |
|---|-------------------|------------------------------------|---------------|---------------|
| Nominal cooling capacity (1) - Nominal supply voltage 230V/50Hz | W | 6440 | 10190 | 10100 |
| Nominal heating capacity (2) - Nominal supply voltage 230V/50Hz | W | 8050 | 11600 | 6670 |
| AIR FLOW (AVERAGE VALUES) TREATED AIR | | | | |
| High speed | m ³ /h | 1550 | 1630 | 1725 |
| Medium speed | m ³ /h | 1350 | 1250 | 1360 |
| Low speed | m ³ /h | 1100 | 1000 | 1075 |
| Nominal water flow (average values) | m ³ /h | 1.208 | 1.753 | 1.89 |
| Pressure loss on water (3) | kPa | 17 | 23.5 | 34.3 |
| Contents | l | 2.7 | 4 | 4 |
| Power supply | V | ~230 V - 50 Hz 3N~400 V - 50 Hz | | |
| Voltage range | V | 270 / 253 V 360 / 440 V | | |
| Power input ventilation | W | 200 | 215 | 215 |
| SOUND POWER LEVEL | | | | |
| High speed | dBA | 59 | 59 | 58 |
| Medium speed | dBA | 53 | 54 | 53 |
| Low speed | dBA | 50 | 49 | 49 |
| DIMENSIONS | | | | |
| Casing (W x D x H) | mm | 1171 x 571 x 287 | | |
| Grille (W x D x H) | mm | 1225 x 625 x 40 | | |
| Net weight | kg | 49 | 55 | 55 |
| PACKING | | | | |
| Gross weight | kg | 51 | 58 | 58 |
| Packed volume | m ³ | 0.31 | 0.31 | 0.31 |
| ACCESSORIES | | | | |
| Electric heating (4) nominal capacity | W | 4300 | 5400 | - |
| Motorized 3-way valve with by-pass | | ● | ● | ● |
| Condensing tray for valve | | ● | ● | ● |

Note :

(1) Nominal conditions : Air : 27 °C/19 °C wet bulb (nominal HS airflow) - Chilled water : 7 °C/12 °C.

(2) Nominal conditions : Air : 20 °C (nominal HS airflow) - Hot water : 50 °C (nominal waterflow in chilled water mode).

(3) Pressure loss by corresponding nominal flow.

(4) At nominal airflow, at 20 °C, under 230 V (see page 6).

These characteristics are for information only and are subject to change without advance.

Electrical Data

| MODELS | | 30 | 45 |
|--------------------------------|-----------------|--------|--------|
| Power supply ~230 V - 50 Hz | | * | * |
| VENTILATION | | | |
| Nominal current | A | 0.9 | 0.96 |
| Maximum current | A | 1.27 | 1.35 |
| Fuse rating aM* | A | 2 | 2 |
| Fuse rating ASE/VDE* | A | 2 | 2 |
| Cable section | mm ² | 3G 1.5 | 3G 1.5 |
| VENTILATION + ELECTRIC HEATING | | | |
| Nominal current | A | 19.0 | |
| Maximum current | A | 22.6 | |
| Fuse rating aM* | A | 25 | |
| Fuse rating ASE/VDE* | A | 25 | |
| Cable section | mm ² | 3G 4 | |

| MODELS | | 30 | 45 |
|---------------------------------|-----------------|--------|--------|
| Power supply 3 N ~400 V - 50 Hz | | * | * |
| VENTILATION + ELECTRIC HEATING | | | |
| Nominal current | A | 7.4 | 11.2 |
| Maximum current | A | 8.5 | 15 |
| Fuse rating aM* | A | 10 | 16 |
| Fuse rating ASE/VDE* | A | 10 | 16 |
| Cable section | mm ² | 5G 1.5 | 5G 1.5 |

* These values are given for information only, they should be checked and adjusted according to standards in force : they depend on the mode of installation and the type of wires selected.

Condensate Pump

| PUMP DATA | | | |
|----------------------|-----|-------------------|--|
| Nominal voltage | | 1 ~ 230 V - 50 Hz | |
| Power input | W | 16 | |
| Current input | A | 0.12 | |
| Waterflow max. | l/h | 240 | |
| Max. manometric head | mWG | 0.5 | |

Electric Heating

The electric heating of the cassettes is composed of heating resistances placed inside the tubes of the heat exchanger.

These resistances are heat protected against any abnormal temperature rise by two thermostats equipped with a "positive safety" device (mechanical or thermic destruction of the capillary switches off the heating permanently) :

- a thermostat with automatic reset,
- a thermostat with manual reset.

Electric heating capacity

Power supply : 230 V - 50 Hz

| Standard models | 30 |
|-----------------|--------|
| Capacity | 4300 W |

Power supply : 3 N ~ 400 V - 50 Hz

| Standard models | 30 | 45 |
|-----------------|--------|--------|
| Capacity | 4300 W | 5400 W |

Cooling Capacities

| | | | | Size 30 - 2 pipes | | | Size 45 - 2 pipes | | | Size 45 - 4 pipes | | |
|----------|------|----|---|------------------------------|------|------|------------------------------|------|-------|------------------------------|------|-------|
| | | | | Air flow (m ³ /h) | | | Air flow (m ³ /h) | | | Air flow (m ³ /h) | | |
| | | | | LS | MS | HS | LS | MS | HS | LS | MS | HS |
| | | | | 1100 | 1350 | 1550 | 1000 | 1250 | 1630 | 1075 | 1360 | 1725 |
| 6/11 °C | 27°C | Pt | W | 6033 | 6819 | 7212 | 6967 | 8557 | 11130 | 7270 | 9214 | 11554 |
| | 47% | Ps | W | 4505 | 4920 | 5120 | 5095 | 6315 | 8207 | 4911 | 6724 | 7994 |
| | 25°C | Pt | W | 5176 | 5657 | 6196 | 6032 | 7425 | 9660 | 6424 | 8131 | 10165 |
| | 50% | Ps | W | 4045 | 4341 | 4528 | 4515 | 5603 | 7598 | 4405 | 6028 | 7156 |
| | 23°C | Pt | W | 3238 | 4483 | 4773 | 3770 | 5771 | 7545 | 5106 | 6480 | 8121 |
| | 50% | Ps | W | 3093 | 3748 | 3925 | 3452 | 4862 | 6354 | 3858 | 5295 | 6297 |
| 7/12 °C | 27°C | Pt | W | 5600 | 6180 | 6440 | 6320 | 7840 | 10190 | 7149 | 8544 | 10100 |
| | 47% | Ps | W | 4300 | 4630 | 4830 | 4800 | 5950 | 7750 | 4649 | 6367 | 7254 |
| | 25°C | Pt | W | 4588 | 5195 | 5504 | 5393 | 6646 | 8649 | 5810 | 7351 | 9174 |
| | 50% | Ps | W | 3774 | 4040 | 4230 | 4213 | 5233 | 6821 | 4125 | 5651 | 6697 |
| | 23°C | Pt | W | 2903 | 3890 | 4168 | 3379 | 5017 | 6589 | 4571 | 5800 | 7265 |
| | 50% | Ps | W | 2903 | 3469 | 3641 | 3251 | 4483 | 5877 | 3607 | 4950 | 5885 |
| 8/13 °C | 27°C | Pt | W | 4620 | 5155 | 5777 | 5681 | 6963 | 9069 | 6044 | 7659 | 9579 |
| | 47% | Ps | W | 4029 | 4327 | 4521 | 4498 | 5578 | 7266 | 4358 | 5982 | 7113 |
| | 25°C | Pt | W | 3260 | 4528 | 4812 | 3795 | 5850 | 7628 | 5181 | 6563 | 8214 |
| | 50% | Ps | W | 3095 | 3752 | 3928 | 3454 | 4860 | 6346 | 3843 | 5273 | 6268 |
| | 23°C | Pt | W | 2412 | 3396 | 3658 | 3044 | 3573 | 5734 | 4021 | 5108 | 6399 |
| | 50% | Ps | W | 2412 | 3176 | 3341 | 3044 | 3573 | 5432 | 3358 | 4617 | 5501 |
| 10/15 °C | 27°C | Pt | W | 3707 | 4199 | 4484 | 4380 | 5425 | 7080 | 4881 | 6176 | 7723 |
| | 47% | Ps | W | 3497 | 3771 | 3953 | 3904 | 4863 | 6358 | 3855 | 5287 | 6292 |
| | 25°C | Pt | W | 2441 | 3183 | 3970 | 3023 | 3646 | 5758 | 4039 | 5123 | 6375 |
| | 50% | Ps | W | 2441 | 3038 | 3352 | 3023 | 3646 | 5439 | 3351 | 4607 | 5469 |
| | 23°C | Pt | W | 1986 | 2186 | 2881 | 2480 | 2922 | 3685 | 2877 | 3715 | 4750 |
| | 50% | Ps | W | 1986 | 2130 | 2732 | 2480 | 2922 | 3685 | 2877 | 3715 | 4750 |

Pt : Total cooling capacity.

Ps : Sensible cooling capacity.

Heating Capacities

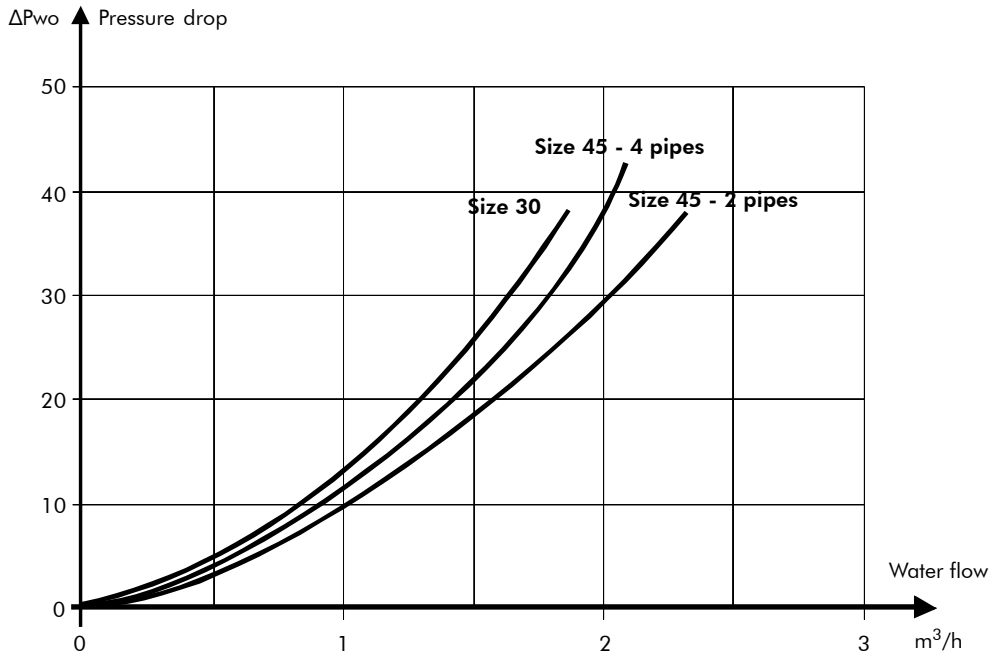
| | | | | Size 30 - 2 pipes | | | Size 45 - 2 pipes | | |
|-----------------|-------|----|---|------------------------------|-------|-------|------------------------------|-------|-------|
| | | | | Air flow (m ³ /h) | | | Air flow (m ³ /h) | | |
| | | | | LS | MS | HS | LS | MS | HS |
| | | | | 1100 | 1350 | 1550 | 1060 | 1360 | 1725 |
| 70/60 °C | 19 °C | PC | W | 13904 | 15727 | 18641 | 12981 | 16446 | 20288 |
| | 20 °C | PC | W | 13567 | 15344 | 18186 | 12663 | 16042 | 19784 |
| | 21 °C | PC | W | 13231 | 11960 | 17738 | 12348 | 15645 | 19292 |
| EUROVENT | | | | 7000 | 7770 | 8050 | 7192 | 8927 | 11600 |
| 50/40 °C | 19 °C | PC | W | 7651 | 8638 | 10222 | 7100 | 8016 | 11171 |
| | 20 °C | PC | W | 7324 | 8272 | 9784 | 6797 | 7676 | 10697 |
| | 21 °C | PC | W | 7000 | 7900 | 9354 | 6496 | 7331 | 10218 |

PC : Heating capacity (W).

| | | | | Size 45 - 4 pipes | | |
|----------|-------|----|---|------------------------------|------|------|
| | | | | Air flow (m ³ /h) | | |
| | | | | LS | MS | HS |
| | | | | 1075 | 1360 | 1725 |
| 70/60 °C | 19 °C | PC | W | 6919 | 7924 | 9022 |
| | 20 °C | PC | W | 6756 | 7737 | 8808 |
| | 21 °C | PC | W | 6593 | 7551 | 8601 |
| 60/50 °C | 19 °C | PC | W | 5335 | 6110 | 6860 |
| | 20 °C | PC | W | 5209 | 6020 | 6676 |
| | 21 °C | PC | W | 5083 | 5873 | 6578 |
| 50/40 °C | 19 °C | PC | W | 3782 | 4317 | 4014 |
| | 20 °C | PC | W | 3601 | 4134 | 4705 |
| | 21 °C | PC | W | 3434 | 3949 | 4497 |

PC : Heating capacity (W).

Pressure Drops



ΔP_{wo} : Pressure drops of pure water.
 ΔP_w : Pressure drops of brinewater.
 ΔP_w : $K \times \Delta P_{wo}$.

| T _{wm} (°C) | K : Glycol coefficient | | | | |
|----------------------|------------------------|-------|-------|------|------|
| | % Glycol | | | | |
| | 10 | 20 | 30 | 40 | 50 |
| 3 | 1.135 | 1.234 | 1.385 | 1.53 | 1.85 |
| 5 | 1.13 | 1.23 | 1.38 | 1.51 | 1.77 |
| 10 | 1.12 | 1.22 | 1.37 | 1.47 | 1.66 |
| 15 | 1.11 | 1.19 | 1.36 | 1.46 | 1.64 |
| 20 | 1.1 | 1.18 | 1.35 | 1.44 | 1.59 |
| 25 | 1.09 | 1.17 | 1.33 | 1.43 | 1.57 |
| 30 | 1.08 | 1.16 | 1.31 | 1.42 | 1.56 |
| 35 | 1.07 | 1.15 | 1.29 | 1.41 | 1.54 |
| 40 | 1.06 | 1.14 | 1.28 | 1.4 | 1.52 |
| 45 | 1.05 | 1.13 | 1.25 | 1.37 | 1.49 |
| 50 | 1.04 | 1.12 | 1.22 | 1.34 | 1.47 |
| 55 | 0.99 | 1.1 | 1.2 | 1.31 | 1.44 |
| 60 | 0.94 | 1.09 | 1.19 | 1.28 | 1.42 |

| T _{se} (°C) | % Glycol | | | | |
|----------------------|----------|-----|-----|-----|-----|
| | 10 | 20 | 30 | 40 | 50 |
| -25 | | | | | yes |
| -20 | | | | yes | yes |
| -15 | | | | yes | yes |
| -10 | | | yes | yes | yes |
| -5 | | yes | yes | yes | yes |
| 0 | yes | yes | yes | yes | yes |
| 5 | yes | yes | yes | yes | yes |

T_{se} : Outdoor dry temperature.

T_{wm} : Average temperature of the mixture.

Pressure drops at nominal flow (pure water)

| | | Size 30 | Size 45 - 2 pipes | Size 45 - 4 pipes |
|--------------|-------------------|---------|-------------------|-------------------|
| Nominal flow | m ³ /h | 1.206 | 1.753 | 1.89 |
| ΔP | kPa | 17 | 23.5 | 34.3 |

Field of Operation

Using chilled water

| | | | | |
|--------------------|----|-----|----|--------------------------------|
| Indoor temperature | °C | Thi | 13 | MINIMUM TEMPERATURE |
| | | Tsi | 17 | |
| Cooling water | °C | Twe | 3 | |

| | | | | |
|--------------------|----|-----|----|--------------------------------|
| Indoor temperature | °C | Thi | 22 | MAXIMUM TEMPERATURE |
| | | Tsi | 32 | |
| Cooling water | °C | Tse | 18 | |

Using hot water (electric heating forbidden)

| | | | |
|------------------------------------|----|-----|----|
| Maximum indoor temperature | °C | Thi | 22 |
| | | Tsi | 32 |
| Maximum entering water temperature | °C | Twe | 60 |

Characteristics

| Models | | 30 | 45 |
|----------------------------|------|-------------|-------------|
| Contents | l | 2.7 | 4 |
| Max. pressure of operation | bar | 15 | 15 |
| Testing pressure | bar | 24 | 24 |
| Couplings | inch | 1" gas male | 1" gas male |
| | mm | 26-34 male | 26-34 male |

Thi : Indoor wet bulb.

Tsi : Indoor dry bulb.

Tse : Outdoor dry bulb.

Twe : Entering water temperature.

Fresh Air Intake

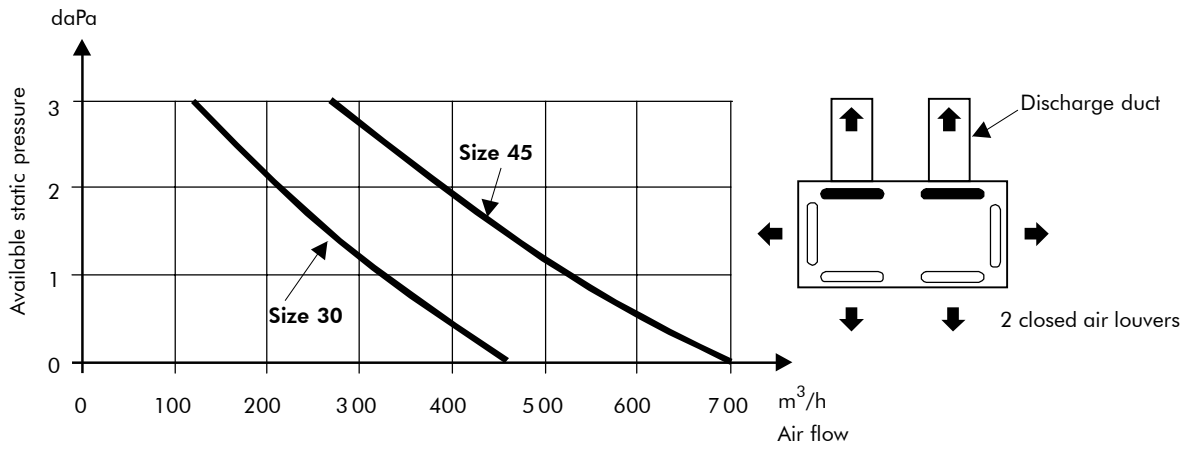
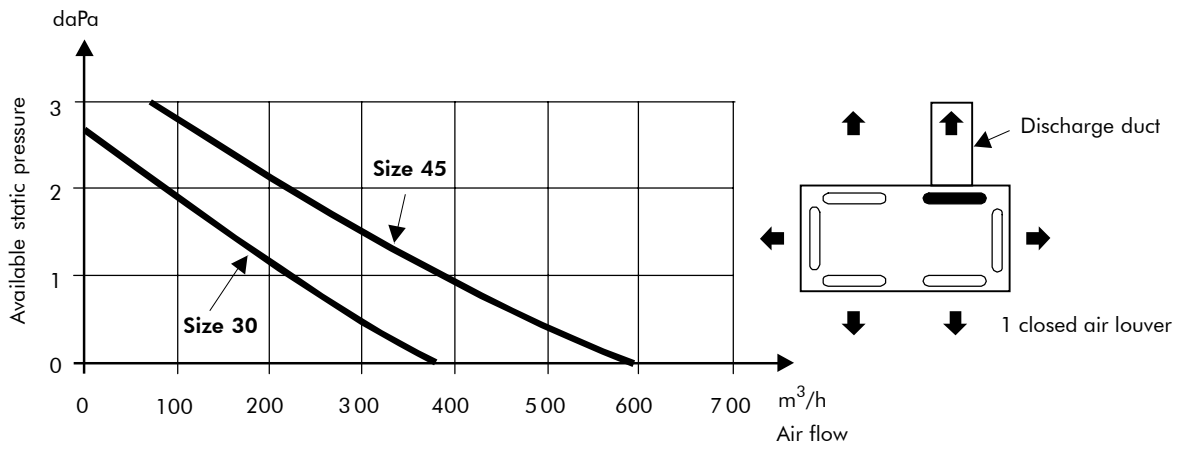
Fresh air flow should not exceed 12% of nominal air flow (See table hereunder).

NOTE : An anti-frost thermostat preset at +5 °C, installed on site on fresh air intake is mandatory for winter application. A filter, fan and insulated air duct (not supplied) are to be installed on site.

Treated air discharge in an adjacent room

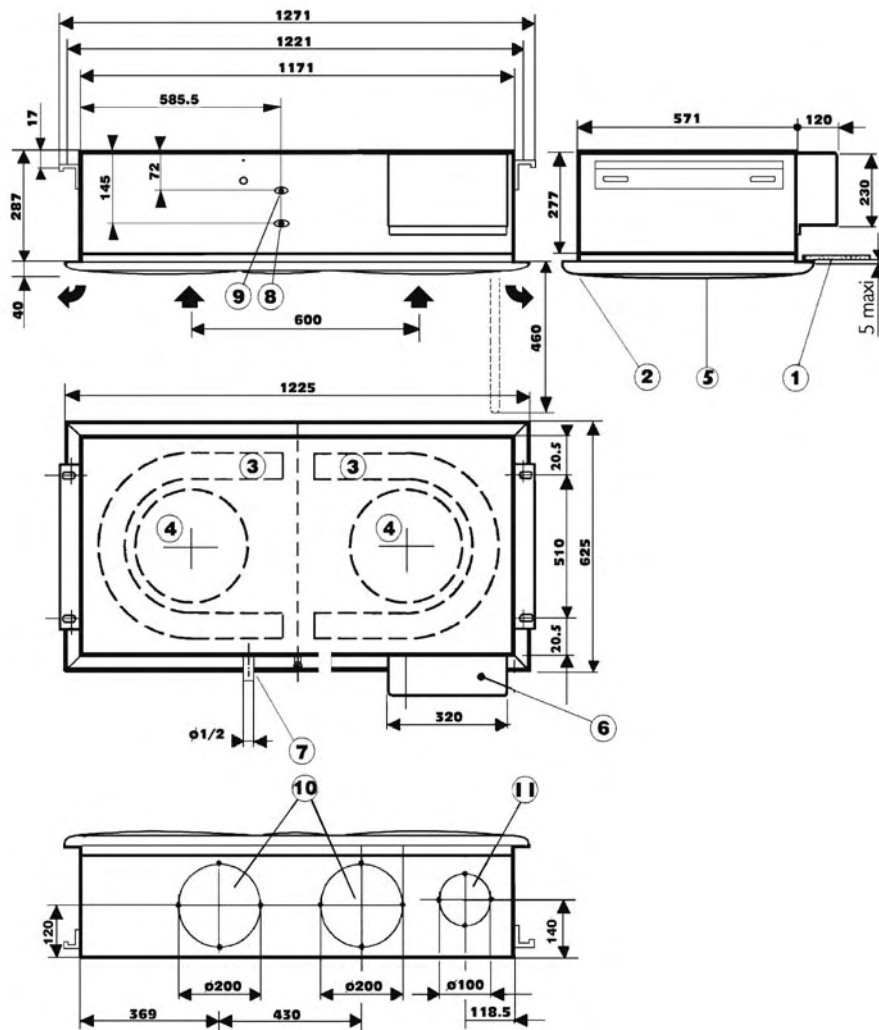
In case of discharge towards an adjacent room, provide for decompression toward the air return of the treatment unit.

| Models | | 30 | 45 |
|------------------------|-------------------|------|------|
| Nominal air flow (HS) | m ³ /h | 1530 | 1630 |
| Maximal fresh air flow | m ³ /h | 86 | 90 |



Dimensions

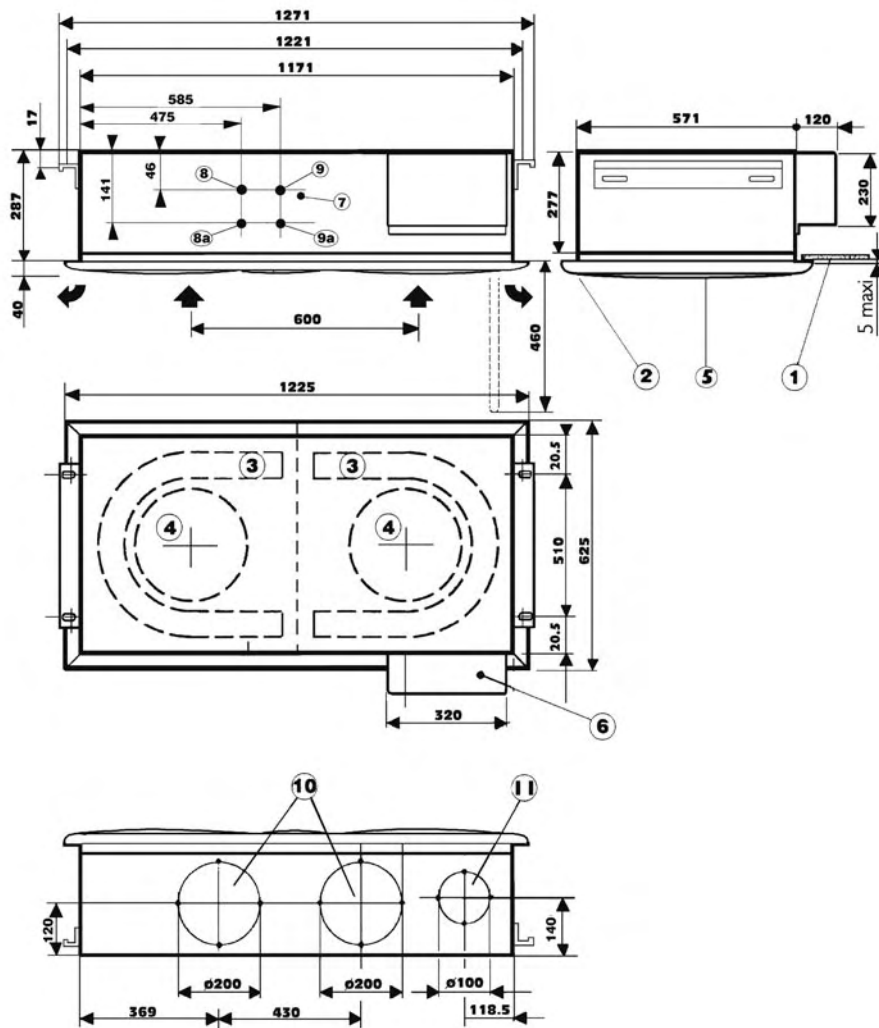
2-pipe units



| DESCRIPTION | |
|-------------|--|
| 1 | False ceiling |
| 2 | T-shaped rod (false ceiling) |
| 3 | Heat exchanger |
| 4 | Fan |
| 5 | Suction grille |
| 6 | Electric box (removable) |
| 7 | Draining of condensates (Ø1/2") |
| 8 | Coupling of water inlet (G1") |
| 9 | Coupling of water outlet (G1") |
| 10 | Port to distribute air through a duct into a neighbouring room (pre-punched) |
| 11 | Port to suction fresh air (pre-punched) |

Dimensions (continued)

4-pipe units



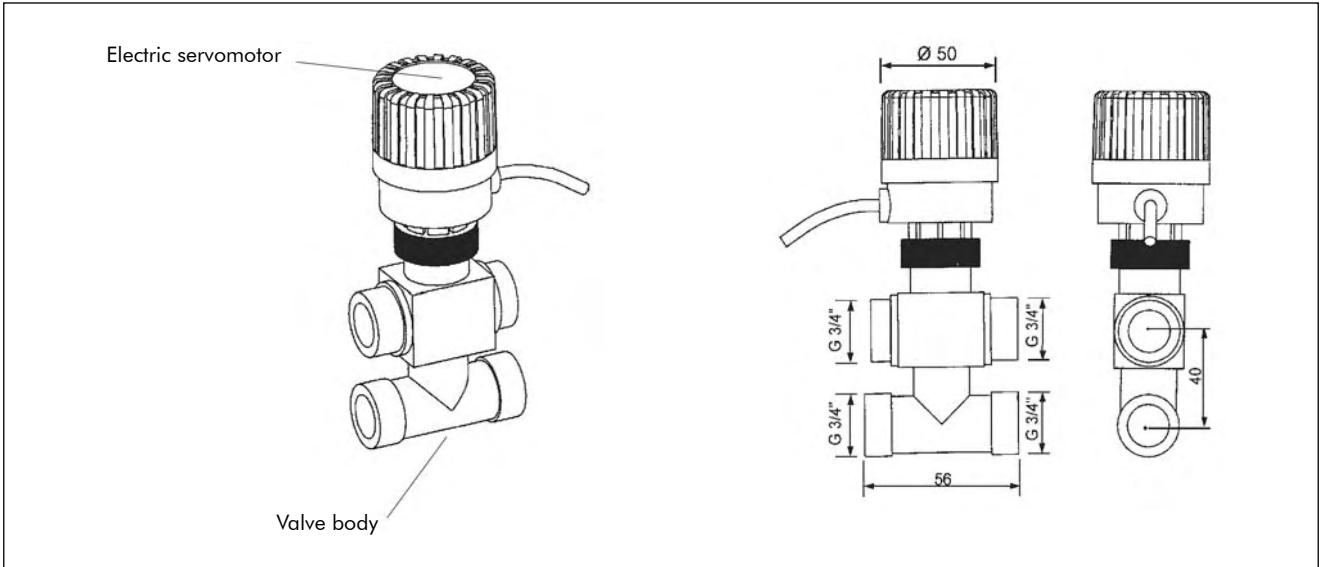
| DESCRIPTION | | | |
|-------------|---------------------------------|----|--|
| 1 | False ceiling | 8 | Coupling of hot water outlet (G1/2") |
| 2 | T-shaped rod (false ceiling) | 8a | Coupling of hot water inlet (G1/2") |
| 3 | Heat exchanger | 9 | Coupling of chilled water outlet (G1") |
| 4 | Fan | 9a | Coupling of chilled water inlet (G1") |
| 5 | Suction grille | 10 | Port to distribute air through a duct into a neighbouring room (pre-punched) |
| 6 | Electric box (removable) | 11 | Port to suction fresh air (pre-punched) |
| 7 | Draining of condensates (Ø1/2") | | |

3-Way Valve with By-pass

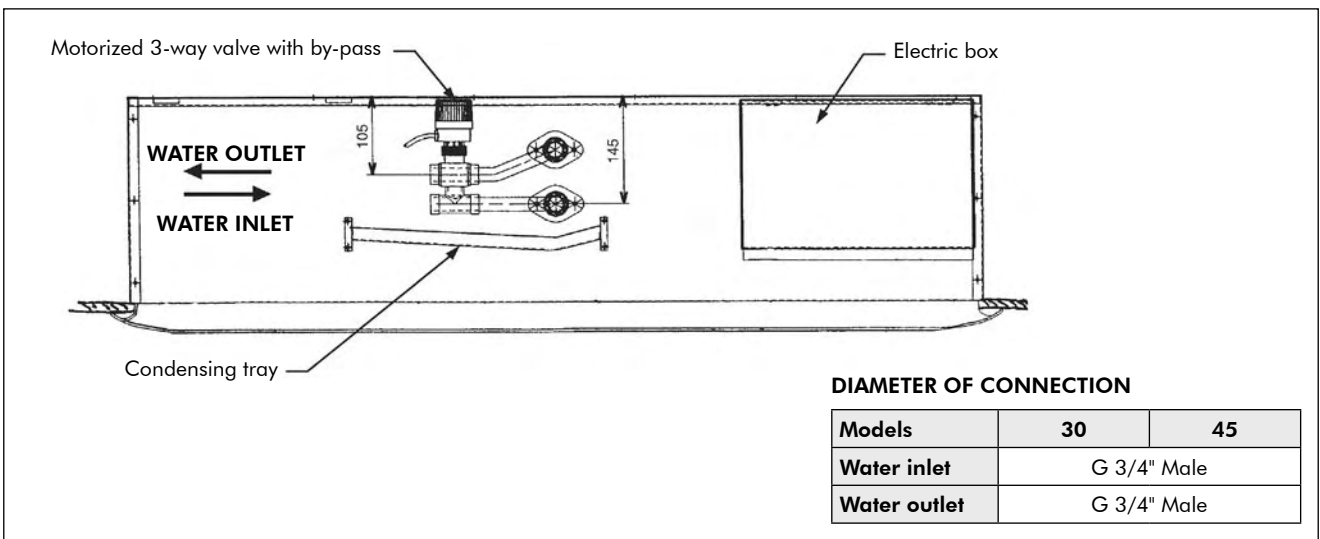
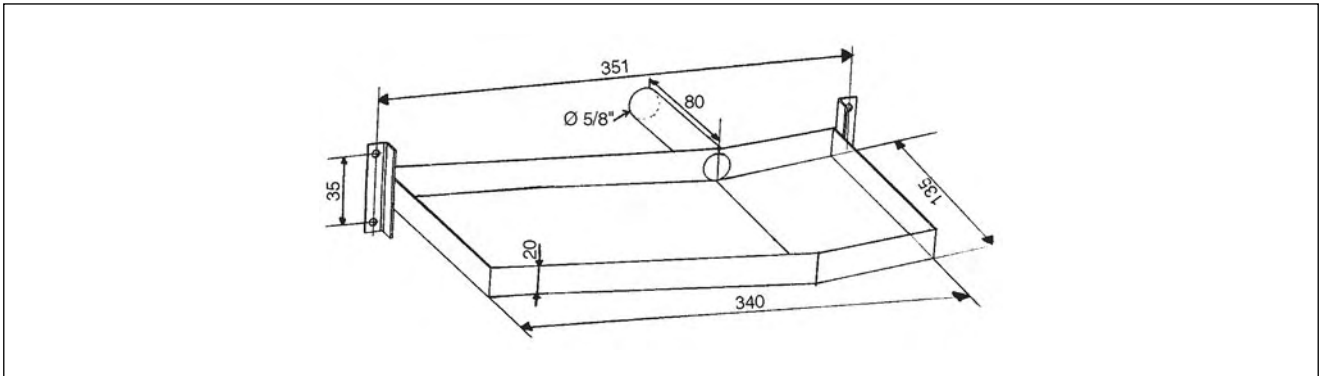
The kit three-way valve with by-pass allows to control "all or nothing" of a cassette when operating chilled water mode or hot water mode.

This kit includes a three-way valve with by-pass controlled by an electric servomotor.

Motorized 3-way valve with by-pass



Condensing tray for 3-way valve

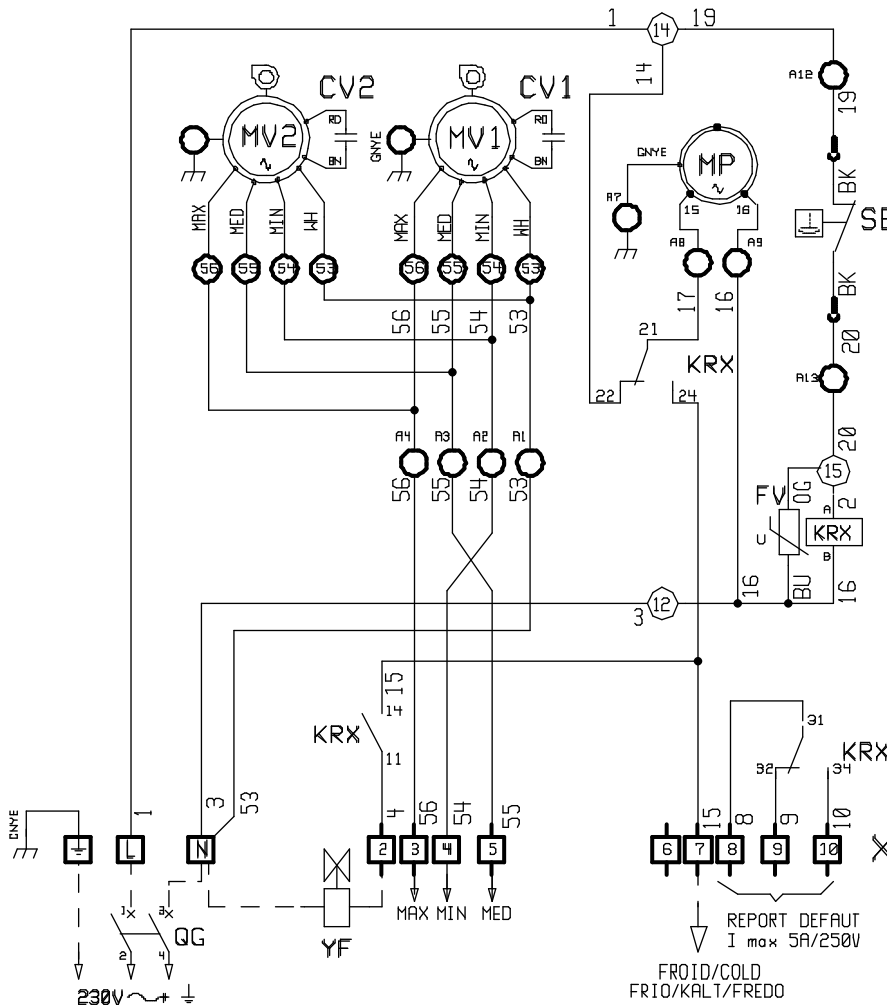


Electrical Wiring Diagrams - Standard Wiring for 2-pipe Cassettes

| MODEL | MAX | MED | MIN |
|-------|-----|-----|-----|
| 30 | YE | BN | OG |
| 45 | GY | BU | OG |

MP PUMP CONDENSATE MOTOR
 MV FAN MOTOR TERMALLY PROTECTED
 CV CAPACITOR
 KRX DEFAULT RELAY
 FV VARISTOR
 SB WATER LEVEL SENSOR
 YF COLD ELECTROVALVE (KIT)
 AL..13 15 PINS CONNECTOR
 X TERMINAL STRIP
 MAX HIGH SPEED
 MED MEDIUM SPEED
 MIN LOW SPEED
 QG GENERAL PROTECTION (not fitted)

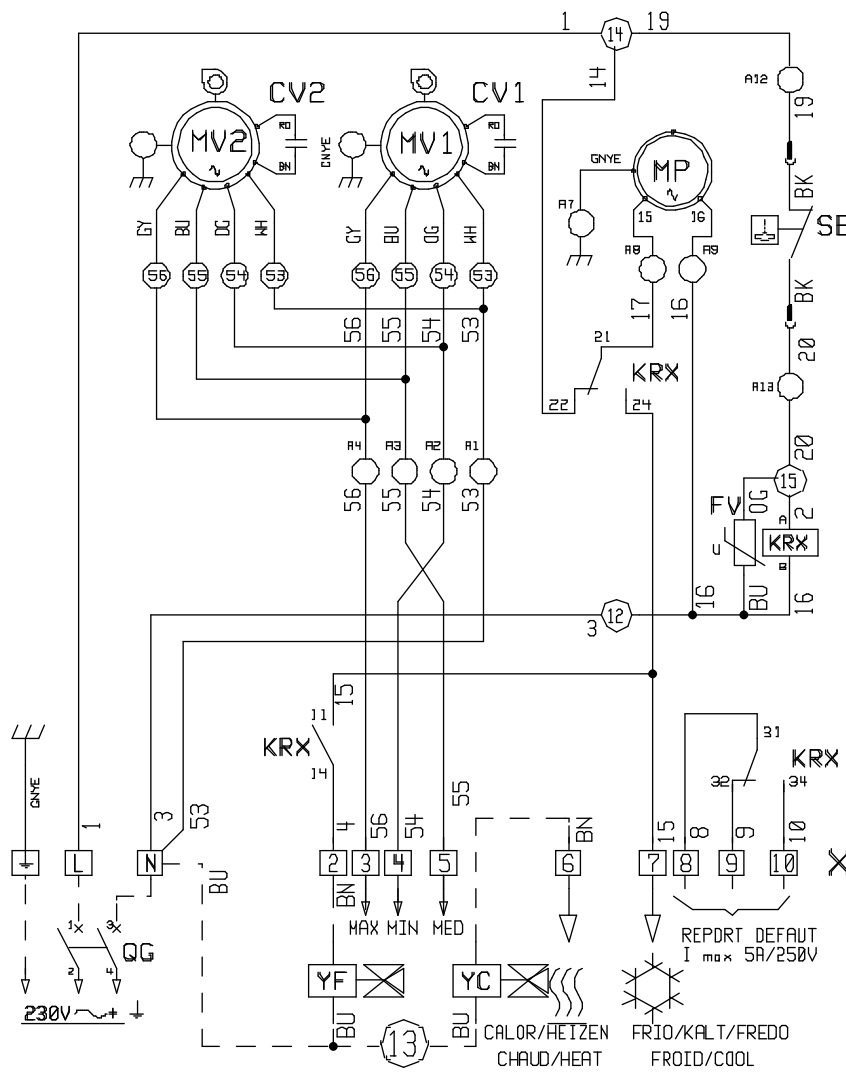
MP MOTEUR POMPE CONDENSAT
 MV MOTEUR VENTILAT. PROTEGE TERMQU.
 CV CONDENSATEUR
 KRX RELAIS DEFAULT
 FV VARISTANCE
 SB CAPTEUR DE NIVEAU D'EAU
 YF ELECTROVANNE FROID (KIT)
 AL..13 CONNECTEUR 15 POINTS
 X BORNIER DE RACCORDREMENT
 MAX GRANDE VITESSE
 MED MOYENNE VITESSE
 MIN PETITE VITESSE
 QG PROTECTION (non fournie)



| | | | |
|------|-------------|-------------|--------------|
| BK | NEGRO | BLACK | NERO |
| BN | MARRON | BROWN | MARRONE |
| BU | AZUL | BLUE | BLU |
| GNYE | VERDE/AMAR. | GREEN/YELL. | VERDE/GIALLO |
| GY | GRIS | GREY | GRIGIO |
| OG | NARANJA | ORANGE | ARANCIONE |
| RD | ROJO | RED | ROSSO |
| VT | VIOLETA | VIOLET | VIOLA |
| WH | BLANCO | WHITE | BIANCO |
| BK | SCHWARZ | NOIR | |
| BN | BRAUN | BRUN | |
| BU | BLAU | BLEU | |
| GNYE | BRUN/GELB | VERT/JAUNE | |
| GY | CRAU | CRIS | |
| OG | DRANGE | ORANGE | |
| RD | ROT | ROUGE | |
| VT | VIOLETT | VIOLET | |
| WH | HEISS | BLANC | |

The electrical wiring diagram can be modified without advance notice.
 Always refer to the diagram supplied with the unit.

Electrical Wiring Diagrams - Standard Wiring for 4-pipe Cassettes



MP PUMP CONDENSATE MOTOR
 MV FAN MOTOR TERMALLY PROTECTED
 CV CAPACITOR
 KRX DEFAULT RELAY
 FV VARISTOR
 SB WATER LEVEL SENSOR
 YF COLD ELECTROVALVE (KIT)
 YC HEAT ELECTROVALVE (KIT)
 A1..13 15 PINS CONNECTOR
 X TERMINAL STRIP
 MAX HIGH SPEED
 MED MEDIUM SPEED
 MTN LOW SPEED
 QG GENERAL PROTECTION (not filled)

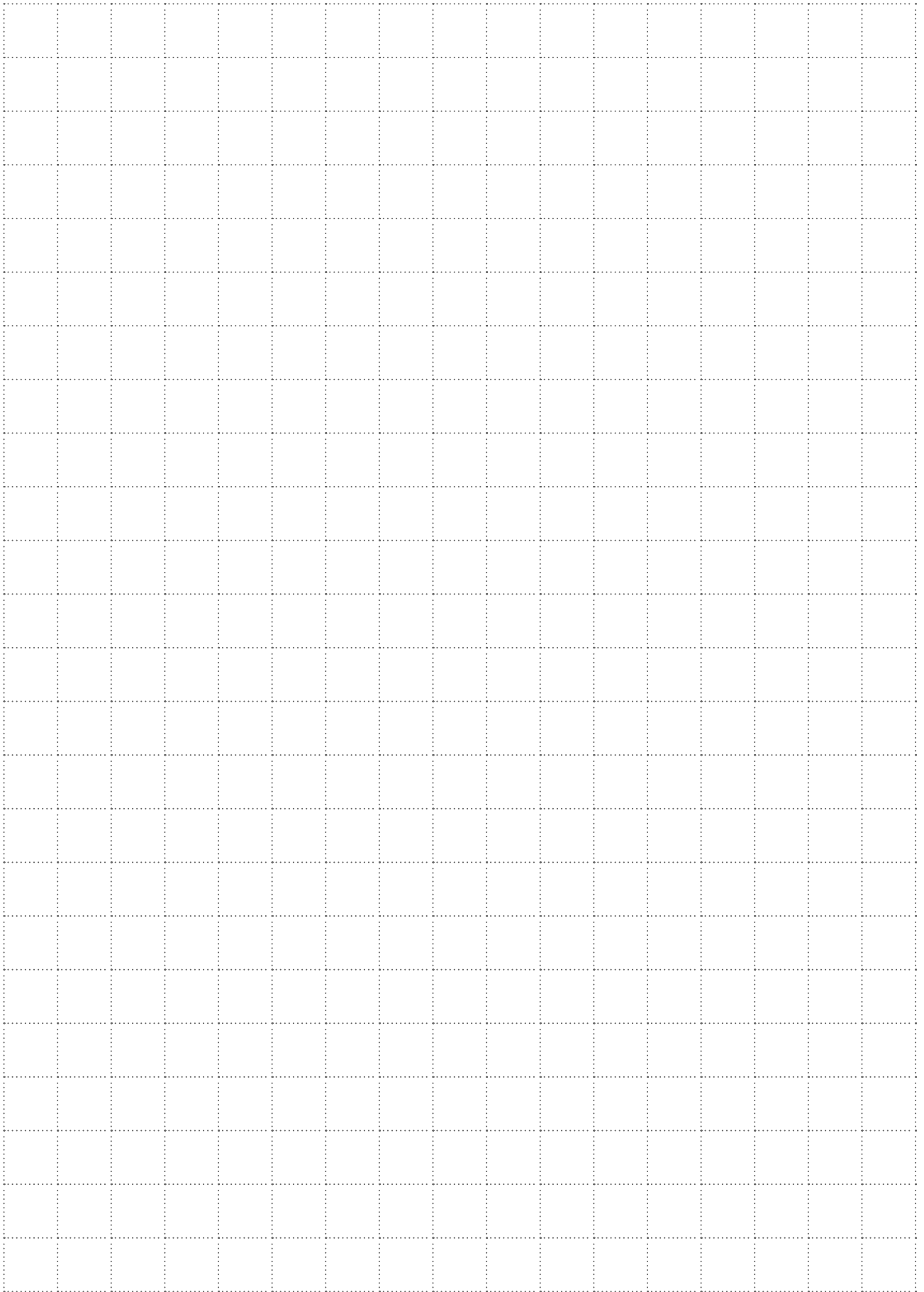
MP MOTEUR POMPE CONDENSAT
 MV MOTEUR VENTILAT. PROTEGE TERMIQU.
 CV CONDENSATEUR
 KRX RELAIS DEFAULT
 FV VARISTANCE
 SB CAPTEUR DE NIVEAU D'EAU
 YF ELECTROVANNE FROID (KIT)
 YC ELECTROVANNE CHAUD (KIT)
 A1..13 CONNECTEUR 15 POINTS
 X BORNIER DE RACCORDEMENT
 MAX GRANDE VITESSE
 MED MOYENNE VITESSE
 MIN PETITE VITESSE
 QG PROTECTION (non faurnle)

| | | | |
|------|-------------|-------------|--------------|
| BK | NERO | BLACK | NERO |
| BN | MARRON | BROWN | HARRONE |
| BU | AZUL | BLUE | BLU |
| GNYE | VERDE/AMAR. | GREEN/YELL. | VERDE/GIALLO |
| CY | GRIS | GREY | GRICIO |
| OC | NARANJA | ORANGE | ARANCIDNE |
| RO | ROJO | RED | ROSSO |
| VT | VIDLETA | VIOLET | VIOLA |
| HH | BLANCO | WHITE | BIANCO |

| | | |
|------|-----------|------------|
| BK | SCHWARZ | NOIR |
| BN | BRUN | HARRONE |
| BU | BLAU | BLU |
| GNYE | GRUN/CELB | VERT/JAUNE |
| CY | GRAU | GRIS |
| OC | ORANGE | ORANGE |
| RO | ROT | ROUGE |
| VT | VIDLETT | VIOLET |
| HH | WEISS | BLANC |

The electrical wiring diagram can be modified without advance notice.
 Always refer to the diagram supplied with the unit.

Note



Airwell

As part of our ongoing product improvement programme, our products are subject to change without prior notice. Non contractual photos.



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