

Hiflex and Himod air cooled units,
R22 refrigerant,
with high distance between internal and external unit.

Equivalent length of the piping: 0-30 m

Diameter piping: as stated in RPS manual

Remote condenser: as claimed in the technical documentation for the max. temperature

Cooling capacity: as claimed in the technical documentation

Equivalent length of the piping: 30-45 m

Diameter piping: as stated in RPS manual for 0-30 m

Remote condenser: oversized to sustain 3°C higher ambient temperature than the max.

Cooling capacity: as claimed in the technical documentation with the not oversized remote condenser

It is mandatory to install:

the Variex fan speed control,

the non-return valve on the liquid line

a liquid receiver increased to 7 litres,

and to add a quantity of oil, equal approx. to the 0.3 l for the liquid receiver increase plus 0.03 l for each m equivalent distance more than the standard 30 m.

Equivalent length of the piping: 45-60 m

Diameter piping: liquid line as stated in RPS manual for 0-30 m, vapour line larger of one step

Remote condenser: oversized to sustain 6°C higher ambient temperature than the max.

Cooling capacity: as claimed in the technical documentation with the not oversized remote condenser.

It is mandatory to install:

the Variex fan speed control,

the non-return valve on the liquid line

a liquid receiver increased to 7 litres,

and to add a quantity of oil, equal approx. to the 0.3 l for the liquid receiver increase plus 0.03 l for each m equivalent distance more than the standard 30 m.

Equivalent length of the piping: more than 60 m

Not allowed. It requires a dedicated system and piping design.

Hiflex and Himod air cooled units,
R407C refrigerant,
with high distance between internal and external unit.

Equivalent length of the piping: 0-30 m

Diameter piping: as stated in RPS manual

Remote condenser: as claimed in the technical documentation for the max. temperature

Cooling capacity: as claimed in the technical documentation

Equivalent length of the piping: 30-45 m

Diameter piping: as stated in RPS manual for 0-30 m

Remote condenser: oversized to sustain 3°C higher ambient temperature than the max.

Cooling capacity: as claimed in the technical documentation with the not oversized remote condenser

It is mandatory to install:

the Variex fan speed control,

the non-return valve on the liquid line

a liquid receiver increased to 7 litres,

and to add a quantity of oil, equal approx. to the 0.3 l for the liquid receiver increase plus 0.03 l for each m equivalent distance more than the standard 30 m.

Equivalent length of the piping: 45-60 m

Diameter piping: lines as stated in RPS manual for 0-30 m.

Remote condenser: oversized to sustain 6°C higher ambient temperature than the max.

Cooling capacity: as claimed in the technical documentation with the not oversized remote condenser.

It is mandatory to install:

the Variex fan speed control,

the non-return valve on the liquid line

a liquid receiver increased to 7 litres,

and to add a quantity of oil, equal approx. to the 0.3 l for the liquid receiver increase plus 0.03 l for each m equivalent distance more than the standard 30 m.

Equivalent length of the piping: more than 60 m

Not allowed. It requires a dedicated system and piping design.

Notes

In the equivalent lengths of the piping we have to take into consideration curves and other obstructions as shut-off and return valves.

Please follow strictly the recommendations of RPS manual.