

Air cooled heat pump

EuroAqua 25-40 H



25-37 kW



Air cooled



Scroll



27-40 kW



Plate



HFC 410A

Technical feature

- 4 sizes
- Cooling capacity from 25 to 37 kW
- Heating capacity from 27 to 40 kW
- EER up to 2,97
- ESSEER up to 4
- COP up to 3,04
- SCOP up to 3,19
- Refrigerant R410A

Main functions

- Available with one cooling circuit
- Tandem scroll per refrigerant circuit
- Extended working limit
- Heat Pump operating function
- Leaving hot water up to 55°C

Available versions

- Low sound level standard
- High temperature operation up to 50°C
- Return or leaving water temperature control
- With Hydraulic kit as STD

Product Advantages

- Operating heating mode up to -15°C
- Tandem scroll compressors per circuit for a highest efficiency at partial load
- High ESEER
- ILTC II Controller that allows to reduce the use of an external water tank 3,5 l/kW
- Low footprint
- Easy maintenance
- Low water pressure drop
- Set point compensation as (standard)
- Night mode (extra low sound level) std

Operating limit (to be confirmed following selection software issue)

| Cooling mode | |
|---|--------|
| Leaving water temperature (without glycol) | 5/18°C |
| Leaving water temperature (with glycol max 40%) | 2/18°C |
| External Max air temperature | 50°C |
| External Min air temperature | -10°C |
| Heating mode | |
| Leaving water temperature max | 55°C |
| External Max air temperature | +20°C |
| External Min air temperature | -15°C |



- ON OFF Remote
- Remote heat cool mode
- Water flow switch factory mounted (standard)
- Water filter (standard) (not mounted)
- Phase monitor (standard)
- Few options, maximum features as (standard)

Main accessories and options

- HP/BP Manometers
- Kit interface modbus
- Low temperature kit (-15°C)
- Compressor softstarter
- Power supply without neutral
- Aluminium fins with epoxy coating
- Condenser coil guards
- Complete Hydraulic kit 1 pump medium pressure as standard
- Rubber antivibration pad
- Water level pressure switch
- External water tank

Technical feature

| EuroAqua 25-40 H | | 25 | 30 | 35 | 40 |
|-------------------------------|-------------------|-------------------|----------|----------|----------|
| Cooling Capacity | kW | 25,3 | 26,9 | 35,8 | 37,4 |
| Power input | kW | 8,6 | 9,3 | 13,5 | 13,6 |
| Total EER 100%** | | 2,94 | 2,88 | 2,71 | 2,70 |
| ESEER** | | 3,78 | 3,77 | 3,88 | 3,71 |
| Heating Capacity | kW | 26,9 | 29,7 | 37,3 | 41,6 |
| Power input | kW | 9,27 | 9,93 | 13,21 | 13,49 |
| SCOP | | 3,19 | 3,16 | 3,03 | 3,17 |
| SCOP Energy Efficiency Class | | A+ | A+ | A | A+ |
| Power supply | | 400V/3~+N/50HZ | | | |
| Start up type | | Direct | Direct | Direct | Direct |
| Nominal current | A | 15,1 | 16,3 | 24 | 24 |
| Maximum operating current | A | 22,5 | 24,5 | 32 | 34 |
| Inrush current | A | 64 | 77,5 | 118,5 | 119,5 |
| Refrigerant | | | | | |
| Type | | HFC 410A | | | |
| Number of refrigerant circuit | | 1 | 1 | 1 | 1 |
| Compressor | | | | | |
| Qty | | 2 | 2 | 2 | 2 |
| Type | | Scroll | Scroll | Scroll | Scroll |
| N° capacity steps | % | 0/50/100 | 0/50/100 | 0/50/100 | 0/50/100 |
| Cranckcrease heater | W | 2 X 40 | 2 X 70 | 2 X 70 | 2 X 70 |
| Evaporator | | | | | |
| Qty | | 1 | 1 | 1 | 1 |
| Type | | Plate | Plate | Plate | Plate |
| Water flow rate | m ³ /h | 4,3 | 4,6 | 6,1 | 6,3 |
| Water pressure drop | kPa | 37 | 22 | 37 | 37 |
| Water volume | l | 1,78 | 2,55 | 2,55 | 2,55 |
| Antifreeze heater | W | 30 | 30 | 30 | 30 |
| Coil | | | | | |
| Qty | | 1 | 1 | 1 | 1 |
| Total coil face area per coil | m ² | 2,4 | 2,4 | 2,4 | 2,4 |
| Fan motors | | | | | |
| Qty | | 1 | 1 | 1 | 1 |
| Air flow | m ³ /h | 13.000 | 13.000 | 16.000 | 16.000 |
| Rotation speed | tr/mn | 900 | 900 | 650 | 650 |
| Power input (unitary) | W | 940 | 940 | 930 | 930 |
| Pumps | | | | | |
| Qty | | Option 2 pumps | | | |
| Power input | kW | Option 2 pumps | | | |
| Available static pressure | Kpa | Options 2 pumps | | | |
| Hydraulic Connection | | | | | |
| Type | | Male gas threaded | | | |
| Inlet diameter | inch | 1"1/2 | 1"1/2 | 1"1/2 | 1"1/2 |
| Outlet diameter | inch | 1"1/2 | 1"1/2 | 1"1/2 | 1"1/2 |
| Dimensions | | | | | |
| Length | mm | 1.000 | 1.000 | 1.000 | 1.000 |
| Width | mm | 1.000 | 1.000 | 1.000 | 1.000 |
| Height | mm | 1.983 | 1.983 | 1.983 | 1.983 |
| Weight | | | | | |
| Operating | kg | 300 | 330 | 340 | 340 |
| Acoustic data | | | | | |
| Sound power level* | dB(A) | 75 | 75 | 76 | 76 |

* Following Eurovent standard.

** Following Eurovent 14511.