

Heat pumps for domestic swimming pools

Pro-Pac 8-22 & Pro-Pac 8-22 Y

Calorex Pro-Pac heat pumps are specifically designed for swimming pool heating. Heat pumps are recognized as the most sustainable way to dynamically heat swimming pool water and with a Calorex heat pump you will save both energy and operating costs. Calorex Pro-Pac heat pumps are available for seasonal use during typical outdoor pool usage periods, or for indoor pool all year round enjoyment.



Front view



Back view



Control panel

Advantages of a heat pump

- Up to 400% operating cost and carbon saving against direct electric heaters
- Up to 34% operating cost saving against fossil fuel boilers
- Up to 50% carbon saving against fossil fuel boilers
- No flues or fuel storage tanks
- Minimal maintenance
- Easy to retrofit to existing swimming pool systems

Key features at a glance

- Designed and built in the UK to ISO 9001, for the UK climate
- Purpose designed components for swimming pool heating
- Can be installed outside or in a plant room
- High efficiency spiral wound tube in tube Titanium condenser
- Leading brand rotary or scroll compressors
- Water flow switch
- Pool pump synchronisation control
- Remote thermostat options
- Capacities from 8kw to 22kw
- Choice of single or three phase
- Soft start options
- Nationwide service

Pro-Pac heat pumps

Technical data

| Standard models operate from +10°C ambient temperature Y Models operate from -15°C ambient temperature | | Pro-Pac 8 Pro-Pac 8 Y | Pro-Pac 12 Pro-Pac 12 Y | Pro-Pac 16 Pro-Pac 16 Y | Pro-Pac 22 Pro-Pac 22 Y |
|---|-------------------|--------------------------|----------------------------|----------------------------|----------------------------|
| Output | | | | | |
| output @ +15°C ambient temperature | kW | 8.8 | 12 | 15.2 | 21 |
| output @ +7°C ambient temperature | kW | 7 | 9.5 | 12.3 | 16.5 |
| output @ -3°C ambient temperature | kW | 4.5 | 6.1 | 7.9 | 10.6 |
| Input @ +15°C ambient temperature | kW | 1.95 | 2.6 | 3.35 | 4.45 |
| Electrical data | | | | | |
| Electrical supply (50 Hz) | 1 PH | 230 v | 230 v | 230 v | 230 v |
| | 3 PH | 400 v | 400 v | 400 v | 400 v |
| Minimum supply capacity (A) | 1 PH | 14 | 17 | 21 | 31 |
| | 3 PH | 6 | 6,4 | 8 | 13 |
| Recommended supply fuse (A) | 1 PH | 20 | 25 | 30 | 42 |
| | 3 PH | 10 | 10 | 15 | 20 |
| Fan | | | | | |
| Air flow | m ³ /h | 2200 | 3300 | 3500 | 4900 |
| Water | | | | | |
| Flow rate | l/min | 115 | 115 | 123 | 123 |
| Pressure drop | m hd | 2.5 | 2.5 | 3.5 | 3.5 |
| Water connections | inch | 1 ½ BSPM | 1 ½ BSPM | 1 ½ BSPM | 1 ½ BSPM |
| General data | | | | | |
| Compressor | | 1 x Rotary Titanium | 1 x Rotary Titanium | 1 x Scroll Titanium | 1 x Scroll Titanium |
| Condenser | | | | | |
| Sound level @ 10 m | dB(A) | 38 | 39 | 41 | 44 |
| Sound level @ 3 m | dB(A) | 49 | 50 | 52 | 55 |
| Dimensions | | | | | |
| Width | mm | 1049 | 1227 | 1377 | 1377 |
| Depth | mm | 593 | 593 | 602 | 602 |
| Height | mm | 720 | 720 | 720 | 720 |
| Weight - standard models | Kg | 93 | 104 | 132 | 133 |
| Weight - reverse cycle Y models | Kg | 102 | 111 | 141 | 142 |



Pro-Pac 8-22 & Pro-Pac 8-22 Y
Water connections

- Standard models (with ambient defrost) operate in air temperatures above +10°C. These models are designed for seasonal use.
- Pro-Pac “Y” models are fitted with reverse cycle defrost and will operate in air temperatures as low as -15°C, therefore they are suitable for all season use and indoor swimming pools.

Technical support and service: Comprehensive engineering support is supplied by our experienced and well qualified team.

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calorex

PRO PAC High Efficiency

| MODELO | MEDIDAS CM | PARA PISCINAS MAX. | |
|------------|-------------|--------------------|------------|
| | | M2 Superficie agua | Consumo KW |
| PPT 8 AL | 57x105x72.5 | 40 | 2,2 |
| PPT 8 ALY | 57x105x72.5 | 30 | 2,2 |
| PPT 8 BL | 57x105x72.5 | 30 | 2,2 |
| PPT 8 BLY | 57x105x72.5 | 30 | 2,2 |
| PPT 12 AL | 57x122x72.5 | 55 | 2,5 |
| PPT 12 BL | 57x122x72.5 | 55 | 2,5 |
| PPT 12 ALY | 57x122x72.5 | 40 | 2,5 |
| PPT 12 BLY | 57x122x72.5 | 40 | 2,5 |
| PPT 16 AL | 60x137x72.5 | 65 | 3 |
| PPT 16 BL | 60x137x72.5 | 65 | 3 |
| PPT 16 ALY | 60x137x72.5 | 50 | 3 |
| PPT 16 BLY | 60x137x72.5 | 50 | 3 |
| PPT 22 AL | 60x137x72.5 | 70 | 3,5 |
| PPT 22 BL | 60x137x72.5 | 70 | 3,5 |
| PPT 22 ALY | 60x137x72.5 | 60 | 3,5 |
| PPT 22 BLY | 60x137x72.5 | 60 | 3,5 |

AL: MONOFÁSICA 220 V

BL: TRIFÁSICA 3X380 v

A/BLY: CON DESCONGELACIÓN AUTOMÁTICA

OPCIONES:

| | |
|------------------------|------------|
| Termostato remoto | Monofásico |
| Suavizador de arranque | Monofásico |
| Suavizador de arranque | Trifásico |

Nota: Todas las unidades: Condensador de titanio. Compresor rotativo o scroll, reloj programador y conexiones termostato remoto.



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