

Heat pumps for commercial swimming pools

Pro-Pac 30-140

Calorex Pro-Pac commercial heat pumps are specifically designed to economically provide hot water to high activity and larger pools such as those in camp sites, leisure parks, hotels etc. Heat pumps are recognised 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.



Pro-Pac 30



Pro-Pac 90



Control panel

Advantages of a heat pump

- The most efficient way to heat water
- Up to 334% operating cost saving against fossil fuel boilers
- Up to 50% carbon saving against fossil fuel boilers
- No flues or storage tanks
- Minimal maintenance
- Easy to retrofit to existing swimming pool systems

Key features :

- Capacities from 32kW to 125kW
- Designed and built in the UK to ISO9001
- Purpose designed components for pool heating
- Can be installed outside or in a plant room
- High efficiency spiral wound tube in tube Titanium condenser
- Leading brand scroll compressors
- Water flow switch

Options :

- Soft start
- High pressure fan
- Condensate collector

Pro-Pac heat pumps for commercial swimming pools

Technical data

| Standard models operate from +10°C ambient temperature Y Models operate from -15°C ambient temperature | | Pro-Pac 30 Pro-Pac 30Y | Pro-Pac 45 Pro-Pac 45 Y | Pro-Pac 70 Pro-Pac 70 Y | Pro-Pac 90 Pro-Pac 90 Y | Pro-Pac 140 Pro-Pac 140 Y |
|---|-------|---------------------------|----------------------------|----------------------------|----------------------------|------------------------------|
| Output | | | | | | |
| Heat output @ +15°C | kW | 32.4 | 39.3 | 62.2 | 78.6 | 124.5 |
| Heat output @ +7°C | kW | 25.9 | 31.7 | 50.2 | 63.4 | 100.4 |
| Heat output @ -3°C | kW | 16.2 | 20.3 | 32.1 | 40.6 | 64.3 |
| Input @ +15°C | kW | 7.14 | 8.2 | 12.8 | 16.4 | 25.6 |
| Electrical data | | | | | | |
| Electrical supply (50 Hz) | 3 PH | 400 v | 400 v | 400 v | 400 v | 400 v |
| Minimum supply capacity (A) | 3 PH | 20 | 25 | 42 | 50 | 67 |
| Recommended supply fuse (A) | 3 PH | 30 | 35 | 50 | 70 | 100 |
| Air data | | | | | | |
| Nominal air flow | m³/h | 6300 | 12000 | 14000 | 24000 | 28000 |
| Water data | | | | | | |
| Water flow | l/min | 123 | 246 | 369 | 492 | 738 |
| Pressure drop | m hd | 4.2 | 4 | 4 | 4 | 4 |
| Water connections | inch | 1 ½ BSPM | 2 BSPM | 2 BSPM | 3 BSPM | 3 BSPM |
| General data | | | | | | |
| Compressor | | 1 x Scroll | 1 x Scroll | 1 x Scroll | 2 x Scroll | 2 x Scroll |
| Condenser | | Titanium | Titanium | Titanium | Titanium | Titanium |
| Sound level @ 10 m | dB(A) | 50 | 53 | 57 | 59 | 60 |
| Sound level @ 3 m | dB(A) | 62 | 64 | 68 | 73 | 71 |
| Dimensions | | | | | | |
| Width (unpacked) | mm | 1555 | 1665 | 1810 | 2065 | 2210 |
| Depth (unpacked) | mm | 790 | 1060 | 1190 | 1190 | 1650 |
| Height (unpacked) | mm | 1080 | 1310 | 1310 | 1330 | 1340 |
| Weight - standard models (unpacked) | Kg | 219 | 329 | 417 | 465 | 858 |
| Weight - reverse cycle Y models (unpacked) | Kg | 233 | 339 | 427 | 475 | 872 |

Calorex reserve the right to modify this specification at any time. Please contact us for accurate sizing.



Pro-Pac 70

- 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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