



calorex®

**Take control of your pool heating & cooling with the
Calorex 34 range & Calorex new Pro-Pac range**

تحكم في تسخين وتبريد حوض السباحة مع
كالوركس فئة 34 والفئة الجديدة كالوركس برو-باك

full range of heat pumps for indoor & outdoor use
zero ozone depleting R134a refrigerant
specifically designed for Gulf climatic conditions

34 RANGE

Our 34 range heat cool pumps are **specifically designed for swimming pool heating and cooling - proven over the years to set the benchmark standard**

Designed for plant room installation

Over the years, the 34 range has proven to set the benchmark standard for swimming pool heating and cooling.

Given the challenges that swimming pool designers face in locating plant so that it cannot be seen or heard, the 34 range is designed with plant room installation in mind, alleviating the difficulties associated with external siting.

Thanks to its centrifugal fan with variable external pressure capabilities, the 34 range can be ducted without loss of performance and comes with a stainless steel drip tray and heavily insulated cabinet as standard.

Key points at a glance:

- ✓ Capacities from 8kW to 70kW
- ✓ Zero ozone depleting R134a refrigerant - unlike R22 and R407C, R134a will operate reliably throughout every possible Gulf climatic condition
- ✓ Designed and manufactured in the UK to CE standards
- ✓ Fully automatic operation
- ✓ Compliant scroll compressors
- ✓ Water flow switch (only 3034 & 7034 models)
- ✓ Weather and corrosion resistant construction including plastisol coated galvanised steel cabinet and epoxy coated coils
- ✓ 90/10 marine grade heat exchangers
- ✓ Manufactured under ISO 9001 Accreditation



Designed for ducted installation within a plant room or for outdoor installation

R134a - the correct refrigerant in harsh conditions

R134a is a non ozone depleting refrigerant which is specifically designed for high temperature applications. The refrigerant within a heat pump circuit is the life blood of its operation and will determine operational efficiency and reliability.

The operating envelope of R134a is far greater than that of other commonly used refrigerants. This ensures that the heat pump will have a larger safety margin and always operate well within its capabilities, even in temperatures of 55°C and beyond.

Calorex heat pumps are charged with **non-toxic, biodegradable, CFC-free refrigerant, which has no detrimental impact on the earth's protective ozone layer.**

SPECIFICATION: 34 Range

	Units	AW634AHC	AW1234BHC	AW1834BHC	AW3034BHC	AW7034BHC	AW3034EHC	AW7034EHC
Duty								
@ Air on 20°C/85%RH								
Heat output to water (@28°C)	Heating kW	8	13	19	44	70	44	70
Electrical input	kW	1.7	3.5	5.0	8.2	12.8	8.2	12.8
@ Air on 45°C/50%RH								
Cooling to water (@32°C)	Cooling kW	6.5	10.2	13	27	45	27	45
Electrical input	kW	2.0	4.1	5.5	9.2	15.7	9.2	15.7
Electrical Data								
Electrical supply	v/ph/Hz	240/1/50	400/3/50			220/3/60		
Recommended maximum supply & fuse capacity	amps	13	16	16	35	60	50	90
Max starting current standard (LRA)	amps	32	48	48	126	126	205	282
Air Data								
Nominal air flow	m ³ /hr	1500	3000	4300	10000	11700	10000	11700
Fan external resistance (standard)	Pa	50	0	0	0	0	0	0
High pressure fan	n/a	Variable to meet customer requirements						
Water Data								
Water flow ±10%	l/min	33	33	33	66	130	66	130
Pressure drop (water)	M hd	2.1	2.2	2.2	2.5	5.3	2.5	5.3
Water connections	inches BSPM	3/4			1 1/2			
Condensate water connections	inches BSPM	3/4			1 1/2			
General Data								
Gas type		R134a						
Compressor type		Recip	Scroll					
Fan type		1 x Centrifugal						
Sound pressure level @3m	dB(A)	63	65	61	72	68	72	68
Dimension Data								
Width (unpacked)	mm	820	1060	980	1700	1950	1700	1950
Depth (unpacked)	mm	702	705	750	1090	1340	1090	1340
Height (unpacked)	mm	762	807	1435	1212	1212	1212	1212
Weight (unpacked)	kg	111	157	283	411	690	411	690

- Options:**
- Chiller only
 - Heater only
 - Rear or top outlet on 3034 or 7034

- Soft start
- High pressure fan

Note:

Consult Calorex for accurate sizing

Technical support and service:

Comprehensive technical support is provided
by our experienced and well qualified team

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