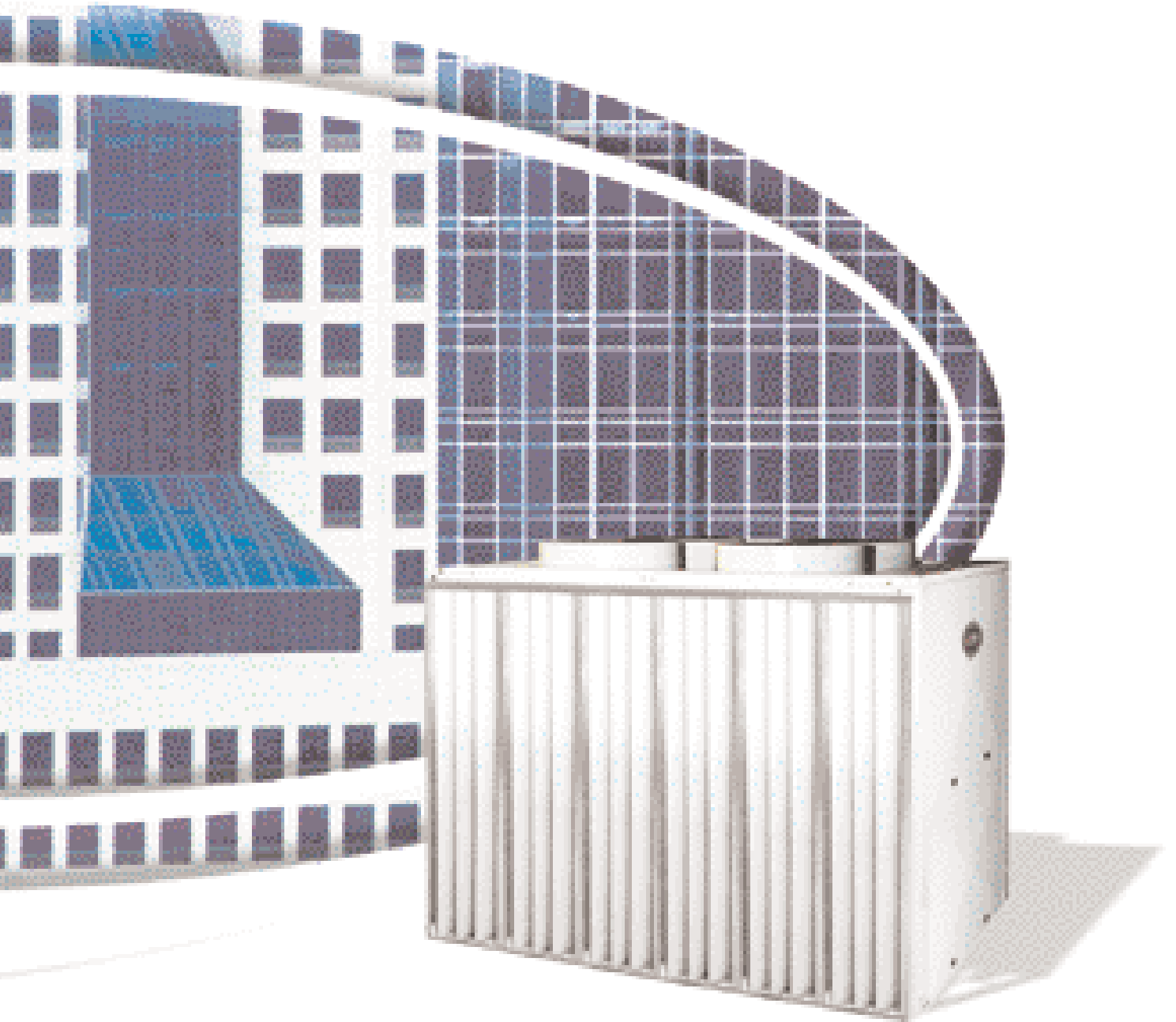




GLOBAL CHILLER™

LIQUID CHILLER

30GX



OPTIMAL EFFICIENCY
FOR ALL YOUR NEEDS

GLOBAL CHILLER 30GX: ADVANCED T

MINIMISED SOUND LEVELS

- Flexible options that meet all noise level requirements
- Flying Bird fan
- Vibration-free Power³ screw compressor
- Discharge muffler
- Two options for ultra-quiet operation
- Noise absorbing enclosure and sound shield.

ULTIMATE RELIABILITY

- More than 50000 Carrier screw compressors sold world-wide
- More than 99.6% reliability in the first operating year
- Dual-circuit design
- Intelligent control
- Motor cooled by refrigerant injection
- Manufactured in accordance with CE, ISO 9001 and ISO 14001 standards.

COMPACT PERFORMANCE

- One of the most compact chillers in the market, for simplified installation in restricted areas
- State-of-the-art technology leader: Power³ compressor, HFC-134a (30% more power efficient optimised compressors).

WHATEVER YOUR APPLICATION, THE GL

TECHNOLOGY THAT SETS NEW STANDARDS

ACTSIZE HIGH PERFORMANCE

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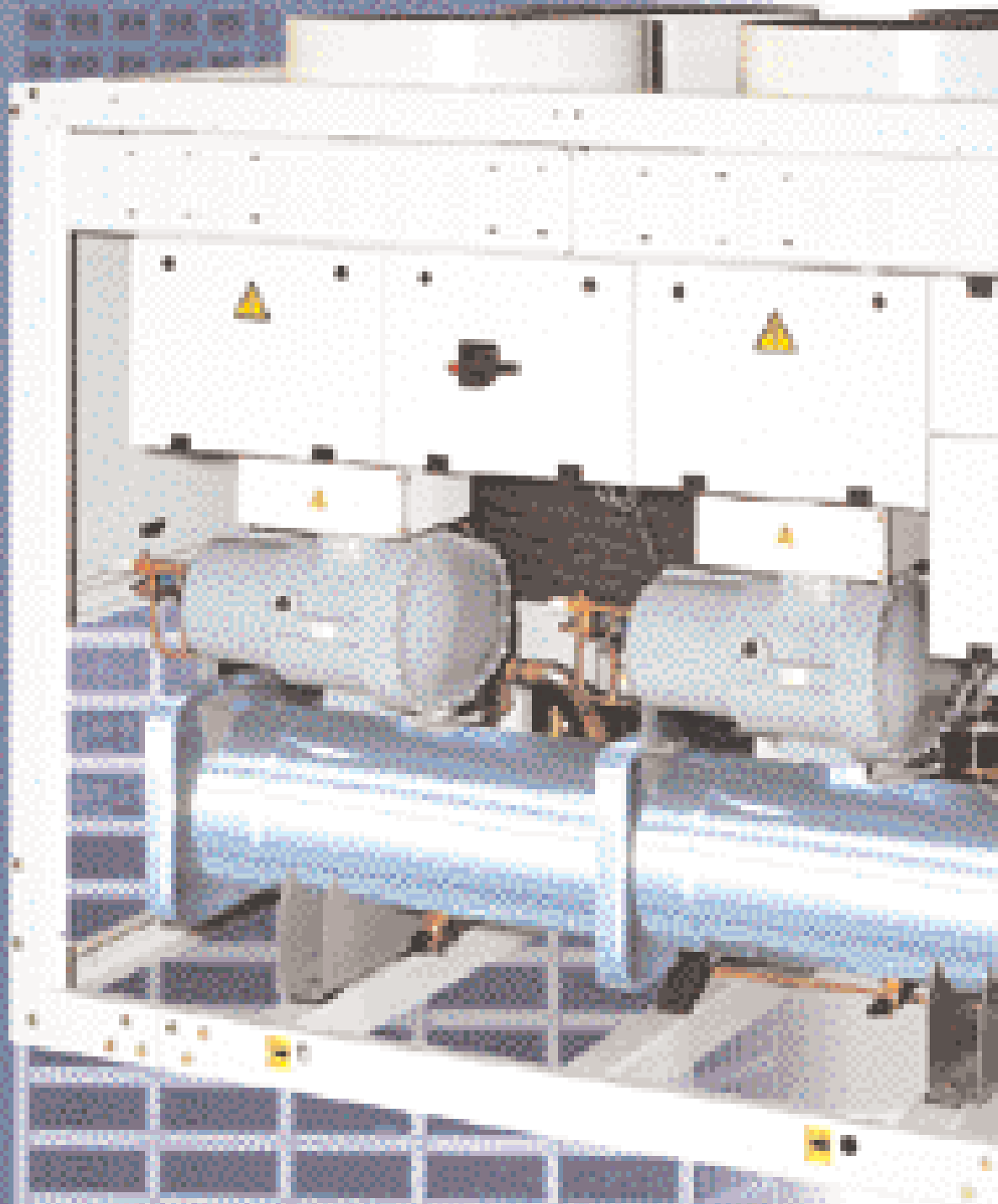
PROFITABILITY

- Who else but Carrier can offer you unrivalled performance as standard, at very competitive prices.
- Performances guaranteed by Eurovent
- Easy installation for even more savings
- First in its class for energy efficiency at full load and at part load.

CONTROL AT YOUR FINGERTIPS

- Efficiency and simplicity combined
- Electronic control as standard; interface designed for greatest ease-of-use and user-friendliness
- Complete functionality with BMS connection provided as standard.

GLOBAL CHILLER WILL MEET YOUR NEEDS



30GX: OPTIMISED TECHNOLOGY - LOW



EFFICIENCY THAT CANNOT BE KEPT QUIET

The 30GX Global Chiller offers ultimate reliability, unrivalled performance, and an uncontested price/efficiency ratio. It is user-friendly, environmentally neutral, compact, safe, easy to use, economical, powerful and ultra-quiet with its sound enclosure. It stands for concentrated technology and highest precision.

A chiller that has quietly, but surely set new standards.

The answer to all your needs.

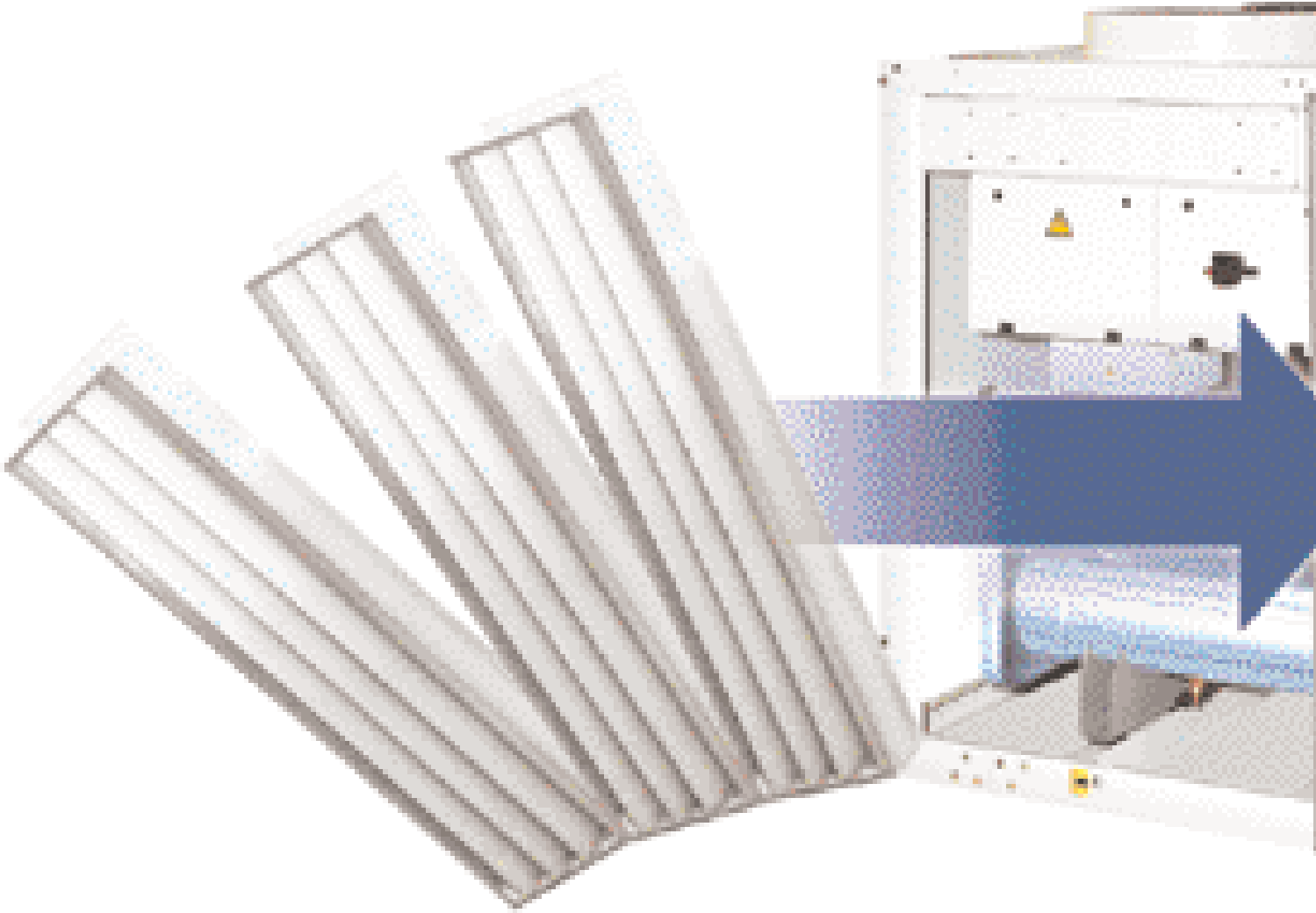
UNRIVALLED PROFITABILITY

If the 30GX Global Chiller has set the unrivalled new standard, this is because Carrier has integrated all parameters to ensure maximum performance at substantial continuous cost savings. An achievement that relies on innovative technological choices.

Carrier is committed to work towards a safer environment by anticipating new legislation, taking a lead in protecting our world and preserving our resources for future generations. Our commitment is underlined by the use of environmentally neutral refrigerants, increased energy savings, optimum noise level reduction, high indoor air quality and reduced product size.



LONG SERVICE LIFE



LOWEST NOISE LEVELS GUARANTEED



The 30GX Global Chiller has become the uncontested leader in noise level reduction. This is partly due to the Flying Bird fan that works with reduced turbulence. A combination of high technology for reduced noise pollution and enhanced quality of comfort.

Acoustical comfort provided by a 20 mm thick felt enclosure around compressor and evaporator, minimising sound emissions.

If you need absolute silence, you can select the patented Carrier louvre system. It exceeds all expectations.

-10 dB

REDUCED NOISE LEVELS FOR THE MOST STRINGENT APPLICATIONS



Carrier has set new targets for the industry. 10 dB less means, the noise level reduction has been multiplied by 4, ensuring a significantly improved sound spectre.

This is the result of concentrated research into new technological concepts and listening to your requirements. The sound-absorbing enclosure, made up of vertical panels, minimises noise level without any loss in performance - both in COP and capacity. Sound levels are lower than ever.

Carrier's mission has been successfully completed.

*(Louvres optional).



EASY MAINTENANCE EASY LIFE

The control interface is clear and user-friendly. It allows easy access to all basic functions (unit operation control, set point adjustment, operating parameter display) as well as the advanced functions (energy savings, operating history, diagnostics). The standard unit allows BMS connection.

Breathe ... enter a new quiet world with Carrier. With the louvre option* your Global Chiller will always reach peak performance.

The louvres are light, adjustable and made of panels that can be attached and detached in seconds. As these panels are installed on rails, easy access and fast, simplified maintenance and repair are now within your reach.

A long and productive operating life is guaranteed.

*(enclosure and louvres optional)



30GX TECHNICAL DATA

		082	092	102	112	122	132	152	162	182	207	227	247	267	298	328	358
Net nominal cooling capacity*	kW	282	305	329	384	412	443	500	549	599	705	751	809	916	990	1116	1203
Nominal power input*	kW	98	108	120	128	149	166	182	198	217	242	285	297	332	370	395	435
Sound pressure level**	dB(A)	56	56	56	57	58	58	58	58	58	60	60	60	60	61	61	61
Refrigerant		← HFC-134a →															
No. of refrigerant circuits		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Compressor		← Semi-hermetic twin-screw Power ³ compressor →															
No. of compressors		2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4
No. of capacity stages		6	6	6	6	6	6	6	6	6	8	8	8	8	10	10	10
Control type		← PRO-DIALOG Plus →															
Evaporator type		← Shell and tube with internally finned copper tubes →															
Condenser type		← Copper tubes, aluminium fins →															
Nominal power supply	V-ph-Hz	← 400-3-50 →															
Control circuit		The control circuit is supplied via a factory-installed transformer															
Length	mm	2967	2967	2967	3425	3425	3425	4340	4340	5994	5994	5994	6909	6909	7824	8739	8739
Width	mm	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254	2254
Height	mm	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297	2297
Operating weight	kg	3066	3097	3106	3350	3364	3378	3767	3783	4725	5520	5535	6121	6293	7339	7779	7950

* Standardised Eurovent conditions: evaporator water inlet/outlet = 12°C/7°C, outdoor air temperature 35°C

Evaporator fouling factor 0.000044 m² K/W

** Measured at 10 m distance - total pressure level for unit with louvres

OPTIONS AND ACCESSORIES

	Option	Accessory
Condenser anti-corrosion pre-treatment for light marine applications	x	
Condenser anti-corrosion post-treatment for heavy-duty rural, urban and industrial applications	x	
Copper/copper condenser coil	x	
Protection grilles	x	x
High and low pressure manometers	x	
Compressor suction valve	x	
Evaporator with one pass less	x	
Evaporator maximum water-side operating pressure of 21 bar	x	
Compressor and evaporator sound enclosure	x	
Unit with low noise level (field-installed vibration absorption kit)	x	
Unit with very low noise level (option 15LN - combination of two previous options)	x	
Evaporator freeze-up protection	x	
Year-round operation for outside temperatures from 0°C to -18°C	x	
RS485 communications interface with open protocol		x
Compressor soft start (30GX 207-358) - electronic starter	x	
Tropicalized control box	x	
Brine unit for leaving brine < +4°C to > -6°C	x	
Reversed evaporator water inlet/outlet	x	
Available fan pressure 150 Pa	x	
50% Heat reclaim	x	
Evaporator water pump starter	x	
Water connection kit (Victaulic flanges supplied)		x



Carrier actively participates in the Eurovent certification programmes. Eurovent is an independent organisation that tests products and verifies the conformance between test results and data published by the manufacturer. Eurovent certification is an important guarantee for consultants and installers. They can be sure that a product with Eurovent certification will operate in conformance with the specifications and satisfy customer requirements. Carrier chillers and heat pumps come with Eurovent certification.



Order No.: 18113-20-01/2004

Supersedes order No.: 18113-20-05/1998

Manufacturer reserves the right to change any product specifications without notice

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