



30GXN,R

Air-Cooled Chillers

WITH COMFORTLINK™ MICROPROCESSOR CONTROL SYSTEM



Quick Start
Easy Operation
Saves Money

ComfortLink

Carrier

A SOUND INVESTMENT IN QUIET PERFORMANCE AND EFFICIENCY

Quiet, Money-Saving Performance is Standard With Carrier's 30GXN,R Chillers.

Customers trust Carrier's 30GX-series chillers to deliver reliable comfort and process cooling. Trust the newest 30GXN,R air-cooled chiller to deliver that same reliability along with industry-leading quiet operation that reduces the need for costly noise mitigation.

The 30GXN,R's reliability starts with Carrier's own semihermetic screw compressors. Simplicity — there are only three moving parts — is key to the compressors' trouble-free reputation. The 30GXN,R is also the only air-cooled screw chiller that was designed from the ground up for environmentally friendly HFC-134a refrigerant.



Quiet Operation to Save You Money.

Owners who compare the 30GXN,R's sound levels with the competition hear an obvious difference. With radiated sound power up to 12dB(A) less, the 30GXN,R is twice as quiet.

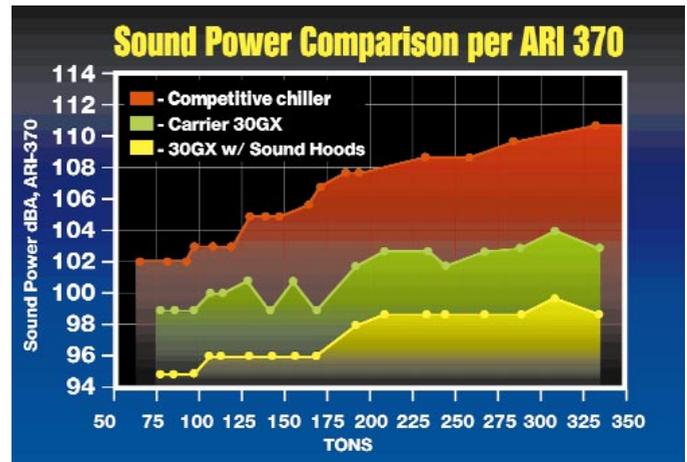
The 30GXN,R's remarkably quiet operation is the result of several factors.

- Carrier's precisely machined, smooth-running screw compressors are inherently quieter.
- Engineers using mathematical models explored scores of possible fan designs to find the optimal combination of blade shape, low turbulence airflow, and high efficiency for the 30GXN,R.
- Because the fans move air more efficiently, there are fewer of them. Fewer fans, less noise.
- Optional sound hoods reduce radiated sound even more.

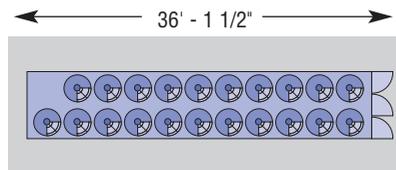


Subtle improvements in blade design create dramatic reductions in fan noise while increasing air-moving efficiency.

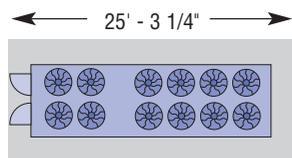
Quiet operation means satisfied tenants and neighbors, but it also can save *thousands* of dollars in construction costs. In densely populated areas or in jurisdictions with strict noise regulations, some building owners have been forced to erect \$30,000 masonry walls around competitive chillers to conform to codes and prevent neighbor complaints. The 30GXN,R's intelligent design stops complaints before they begin. And the optional sound hoods make this quiet chiller *even quieter* at a tiny fraction of the cost of building a barrier.



The 30GXN,R's quiet advantage is easily seen...and heard. A 12dB(A) difference on some models eliminates the need to build costly sound barriers.

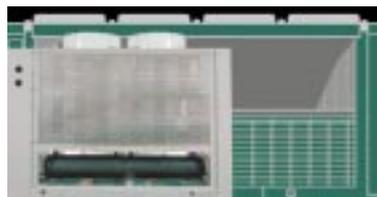


Competitive air-cooled chiller



Carrier 30GXN,R

Installation time and costs are minimized because the 30GXN,R's footprint is significantly smaller than competitive chillers. For example, a 250-ton 30GXN,R is 11 feet shorter than a comparable chiller rated at 230 tons. That translates to a construction cost savings of about \$3,000 based on published construction cost data. For an 80-ton 30GXN,R, the savings would be about \$2,000 over a competitive chiller.



The 30GXN,R is up to 50 percent smaller than many of the air-cooled chillers it will replace.

30GXN,R Benefits

CONTRACTOR BENEFITS:

- Compact Design, up to 50 Percent Smaller Footprint
 - Callbacks for Noise Mitigation Unlikely
 - Reduces Installation Time and Cost
 - Easy to Use, Less Training is Needed
 - Makes Service Calls More Productive
- No Codes to Interpret
 - Simple Menu Navigation
 - Clear Messages in Four Languages for Reliable Diagnostics
 - Bright, Easy-to-Read Display
 - Large Buttons for Gloved Operation
 - Rapid Display Response and Menu Access
 - Fast Diagnostics Increase Productivity
 - Immediate Alarm Recognition Through Status LED
 - Common Controls, Fewer Systems to Understand
 - Optional Service Port Allows Freedom of Movement, Efficient Maintenance

OWNER BENEFITS:

- Extremely Quiet Operation
- Lower Installed Cost and up to a 50 Percent Smaller Footprint
- Lower Operating and Maintenance Costs

OWNER BENEFITS (cont.):

- Quicker Building Occupancy
 - Reduced Downtime During Service
 - Abundant, Chlorine-Free HFC-134a Refrigerant
 - Serviceable, Semihermetic Screw Compressors
 - Matches Requirements Without Wasteful Unused Capacity
- Less Training for Facility Staff
 - Common Controls, Fewer Systems to Maintain
 - Precise Control of Tenant Comfort, Process Reliability
 - Optional Sound Hoods Make the 30GXN,R Even Quieter
 - Optional Service Port Allows Freedom of Movement, Efficient Maintenance
 - Optional Enviro-Shield Coils Protect Investment

ENGINEER BENEFITS:

- Faster Job Completion
 - Abundant, Chlorine-Free HFC-134a Refrigerant
 - Low Sound Levels Satisfy Local Ordinances
- Common Controls for All 30-Series Mean Fewer Specs to Write
 - Faster Start-Up Means Getting Paid Faster
 - Can Spec Energy Management Capability for All Chillers

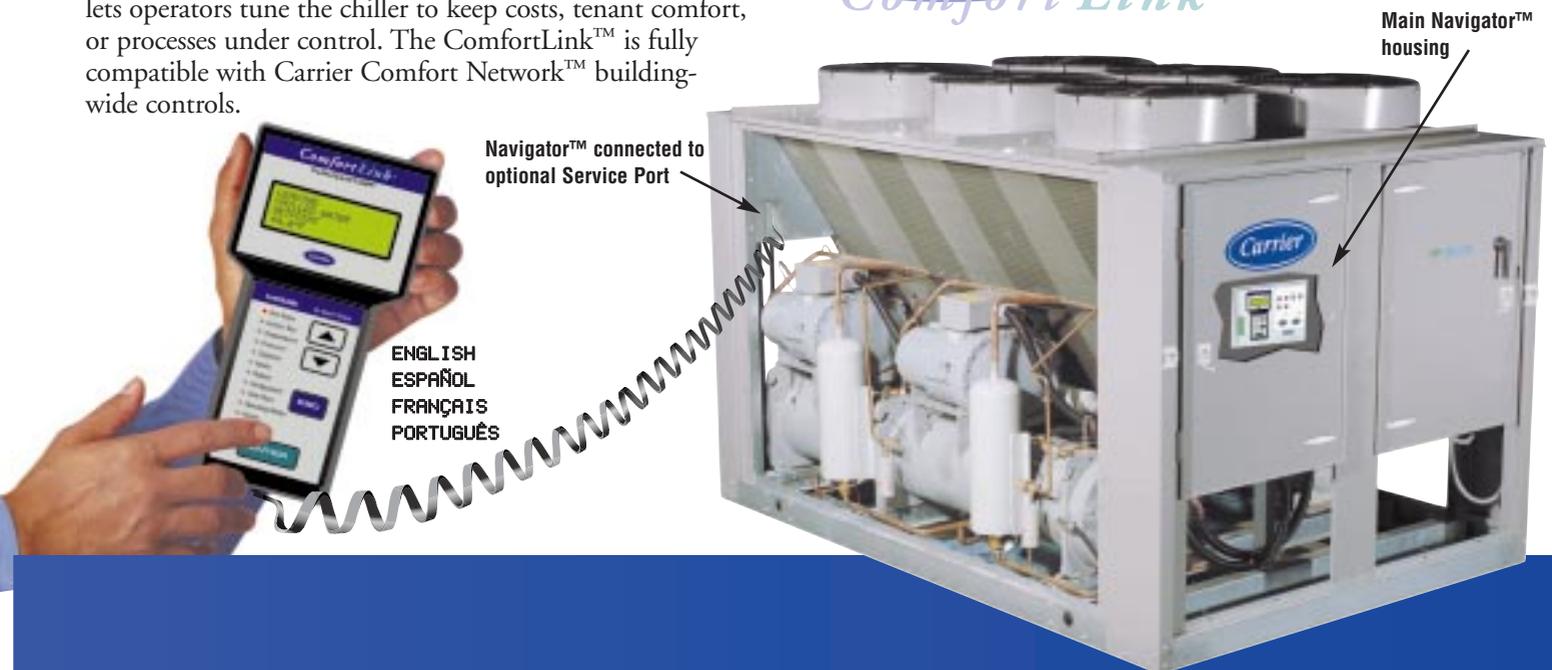
You're in Control.

The ComfortLink™ microprocessor built into every 30GXN,R is an operator's dream. It's powerful, but you don't need a Ph.D., or even a manual, to interpret what it's telling you. In plain English (or French, Spanish, or Portuguese), ComfortLink™ and Carrier's unique hand-held Navigator™ diagnostic tool provide detailed levels of information about virtually every aspect of chiller operation. The intuitive Navigator™ plugs into the main control panel but also can be moved to an optional weathertight Service Port to let the operator reach every serviceable part of the chiller. When both hands are needed, the Navigator™ attaches magnetically to any sheet-metal surface. ComfortLink™ lets operators tune the chiller to keep costs, tenant comfort, or processes under control. The ComfortLink™ is fully compatible with Carrier Comfort Network™ building-wide controls.

Quiet, Yet Tough.

Rough neighborhoods don't bother the 30GXN,R. In coastal, industrial, and urban applications (or any combination of the three), 30GXN,R coils protected by the Enviro-Shield environmental protection option stand up to salt, metal oxides, chlorides, sulfates, sulfuric acid, diesel exhaust — almost anything they're likely to encounter. *E-Coat*, one of several Enviro-Shield options, is a thin durable epoxy barrier that fills every void with an even layer of protection to extend the life of your investment. For the toughest environments, copper/copper coils guarded by *E-Coat* are also available.

Comfort Link



A Quiet Chiller with the Power You Need.

Still waters run deep. The 30GXN,R is the quietest chiller on the market, and it's also one tough machine.

Carrier 30GXN,R Air-Cooled Chiller Specifications



As the world leader in Heating, Ventilation and Air Conditioning, Carrier is committed to continually improving the quality of comfort we provide to our customers.

But our level of responsibility extends well beyond...

Carrier Corporation has identified six specific areas which directly impact how we, as a world manufacturer, balance our customers' needs for comfort with the environment's needs for responsible consumption.

These symbols graphically represent our six areas of concentration and will serve as visual reminders of the importance of managing our finite resources.

Each one of us at Carrier Corporation believes that, for generations to come, success will not only be measured by the quality of our products and systems, but also by how we have improved the quality of life.



60Hz Data	Nominal Cooling Capacity		Length		Width		Height		Weight	
	60 Hz		in. mm		in. mm		in. mm		lbs. kg	
	Tons	kW	in.	mm	in.	mm	in.	mm	lbs.	kg
30GXN,R 080	76	267	113	2879	88.5	2247	86	2180	6313	2863
30GXN,R 090	84	295	113	2879	88.5	2247	86	2180	6333	2872
30GXN,R 106	96	336	131	3327	88.5	2247	86	2180	7514	3408
30GXN,R 114	106	373	131	3327	88.5	2247	86	2180	7524	3412
30GXN,R 125	117	412	131	3327	88.5	2247	86	2180	7552	3425
30GXN,R 135	128	450	131	3327	88.5	2247	86	2180	7714	3498
30GXN,R 150	142	499	167	4250	88.5	2247	86	2180	8784	3984
30GXN,R 160	154	542	167	4250	88.5	2247	86	2180	9072	4114
30GXN,R 174	168	591	231	5867	88.5	2247	86	2180	9714	4405
30GXN,R 204	193	679	231	5867	88.5	2247	86	2180	12,747	5781
30GXN,R 225	210	739	231	5867	88.5	2247	86	2180	12,985	5889
30GXN,R 249	234	823	267	6788	88.5	2247	86	2180	13,867	6289
30GXN,R 264	246	865	267	6788	88.5	2247	86	2180	13,902	6305
30GXN,R 281	267	939	339	8611	88.5	2247	86	2180	18,250	8277
30GXN,R 301	287	1009	339	8611	88.5	2247	86	2180	18,270	8286
30GXN,R 325	309	1087	339	8611	88.5	2247	86	2180	18,310	8304
30GXN,R 350	334	1175	339	8611	88.5	2247	86	2180	18,360	8327
30GXN,R 370	358	1259	458	11,633	88.5	2247	86	2180	21,769	9873
30GXN,R 390	379	1333	458	11,633	88.5	2247	86	2180	21,616	9803
30GXN,R 415	404	1421	494	12,548	88.5	2247	86	2180	22,974	10,419
30GXN,R 450	433	1523	522	13,259	88.5	2247	86	2180	25,970	11,778

50Hz Data	Nominal Cooling Capacity		Length		Width		Height		Weight	
	50 Hz		in. mm		in. mm		in. mm		lbs. kg	
	Tons	kW	in.	mm	in.	mm	in.	mm	lbs.	kg
30GXN,R 080	76	267	113	2870	88.5	2247	86	2180	6313	2863
30GXN,R 090	84	295	113	2870	88.5	2247	86	2180	6333	2872
30GXN,R 106	95	334	131	3327	88.5	2247	86	2180	7514	3408
30GXN,R 115	107	376	131	3327	88.5	2247	86	2180	7524	3412
30GXN,R 125	116	408	131	3327	88.5	2247	86	2180	7552	3425
30GXN,R 135	128	450	131	3327	88.5	2247	86	2180	7714	3498
30GXN,R 150	132	464	167	4242	88.5	2247	86	2180	8784	3984
30GXN,R 160	152	535	167	4242	88.5	2247	86	2180	9072	4114
30GXN,R 175	161	566	231	5867	88.5	2247	86	2180	9714	4405
30GXN,R 205	189	665	231	5867	88.5	2247	86	2180	12,747	5781
30GXN,R 225	209	735	231	5867	88.5	2247	86	2180	12,985	5889
30GXN,R 250	232	816	267	6782	88.5	2247	86	2180	13,867	6289
30GXN,R 264	244	858	267	6782	88.5	2247	86	2180	13,902	6305
30GXN,R 281	266	934	339	8611	88.5	2247	86	2180	18,250	8277
30GXN,R 301	286	1005	339	8611	88.5	2247	86	2180	18,270	8286
30GXN,R 325	307	1079	339	8611	88.5	2247	86	2180	18,310	8304
30GXN,R 350	332	1167	339	8611	88.5	2247	86	2180	18,360	8327
30GXN,R 365	357	1256	458	11,633	88.5	2247	86	2180	21,581	9787
30GXN,R 395	375	1319	458	11,633	88.5	2247	86	2180	21,616	9803
30GXN,R 410	404	1421	522	13,259	88.5	2247	86	2180	25,732	11,670
30GXN,R 440	413	1453	522	13,259	88.5	2247	86	2180	25,970	11,778

Contact your local Carrier representative today. Or simply call **1-800-CARRIER** or visit our Web site at www.carrier.com to learn more about 30GXN,R chillers.



Quality Assurance



A member of the United Technologies Corporation family.
Stock symbol UTX.