

Carrier Air-Cooled Chillers with Greenspeed® Intelligence



An Efficient Chiller for Every Application

Carrier Aqua Series air-cooled chillers provide high efficiency cooling in a wide range of operating conditions. Built on a foundation of Carrier expertise, years of experience and proven design reliability, Aqua Series chillers now offer Greenspeed® Intelligence, a technology package that delivers high-efficiency performance in part-load conditions.

What Is Greenspeed® Intelligence?

The Greenspeed Intelligence label means that the chiller contains an integrated variable speed drive (VSD) that varies the speed of the motor. Operation is optimized by matching the actual cooling needs or process requirements with precise motor speed. AquaSnap® 30RB chillers with Greenspeed Intelligence feature a high-efficiency, variable-speed condenser fan option along with *ComfortLINK* controls and AquaForce® 30XA chillers with Greenspeed Intelligence feature high-efficiency, variable-speed screw compressors along with high-efficiency, variable speed condenser fans combined with *Touch Pilot™* controls.

This technology provides premium part-load efficiency to facilitate reduced utility costs, enhanced reliability and reduced equipment wear over the lifespan of the chiller. Additionally, the lower sound levels achieved at part-load conditions can be very beneficial for sensitive acoustic applications.

Benchmark Part-Load Efficiencies for Aqua Series Chillers

Greenspeed Intelligence is now offered on Carrier Aqua Series air-cooled chillers, resulting in pioneering part-load efficiencies.

- 30RB Scroll Chiller: First air-cooled scroll chiller to deliver 17.0 IPLV, a measure of part-load efficiency
- 30XA Screw Chiller: Delivers 18.0+ IPLV



Carrier Air-Cooled Scroll or Screw Chiller... Which Is Right for Your Project?

Only Carrier Greenspeed® Intelligence Gives You a Choice

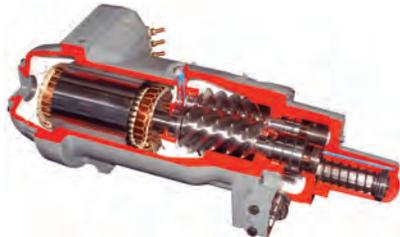


30RB Scroll Chiller



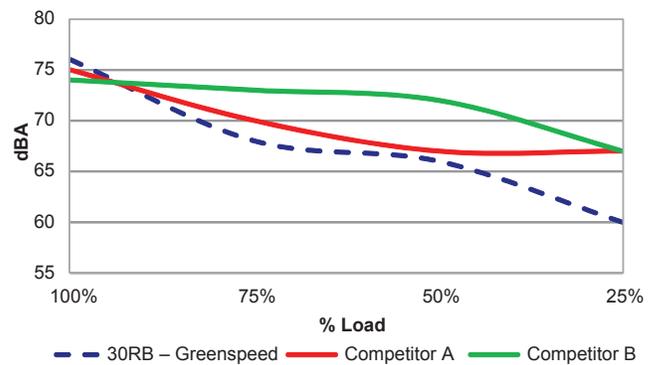
30XA Screw Chiller

30XA High Efficiency
Screw Compressor



AquaSnap® 30RB: Best-In-Class For Both Efficiency & Quiet Operation

The Carrier AquaSnap® 30RB air-cooled scroll chiller with Greenspeed® Intelligence is best-in-class in multiple categories, including part-load efficiency and sound levels during operation. It's also the only air-cooled scroll chiller on the market with a capacity range from 80 to 390 tons (280 to 1,370 kW), making the AquaSnap 30RB suitable for a diverse range of projects. In addition, the AquaSnap 30RB can provide full heat recovery in cold weather climates.



AquaForce® 30XA: High Efficiency Even Under Extreme Conditions

The Carrier AquaForce® 30XA air-cooled screw chiller with Greenspeed Intelligence delivers superior efficiency in a broad range of conditions, even on the coldest winter days in Canada or the hottest summer afternoons in Saudi Arabia. The AquaForce 30XA utilizes variable speed technology in its screw compressor design to provide robust reliability and part-load efficiencies above 18.0 IPLV. The unit is available in a range of sizes from 140 to 350 tons (490 to 1,230 kW)

Selection Guide

Model 30RB	80	90	100	110	120	130	150	160	170	190	210	225	250	275	300	315	330	345	360	390
Capacity (tons)	76	87	93	106	118	127	140	153	164	186	195	206	228	251	272	306	317	328	350	372
EER	9.8	10.3	10.2	10.1	10.3	10.2	10.1	10.3	10.2	10.2	9.8	9.8	9.8	9.8	9.9	10.3	10.2	10.2	10.2	10.2
IPLV	15.8	16	15.9	16.7	16.9	16.8	16.8	17	17.1	17.1	16.3	16.4	16.4	16.4	16.4	17	17.1	17.1	17.1	17.1

Model 30XA	140	160	180	200	220	240	260	280	300	325	350
Capacity (Tons)	133	151	170	192	214	227	253	267	283	305	322
EER	10.8	10.5	10.9	10.5	10.7	10.5	10.8	10.7	10.4	10.6	10.6
IPLV	17.5	17.7	17.5	17.8	17.5	17.8	17.9	17.8	18.0	17.9	18.1

These tables represent the performance of the AquaSnap 30RB and AquaForce 30XA chillers with Greenspeed Intelligence.



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