



# Trailblazer™ air cooled scroll chillers



*Changing the way you think about air cooled chillers*



30 to 240 tons  
with Variable Speed Condenser Fan Technology

People and ideas you can trust.™

# Changing the way you think about air cooled chillers



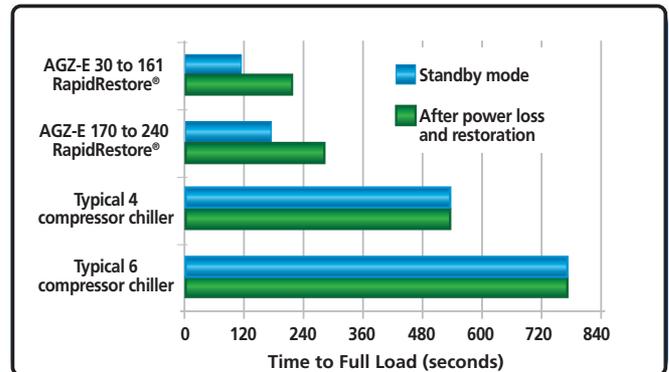
Daikin Trailblazer air cooled scroll chillers are feature rich, with industry leading performance and a low installed cost. Combine this with high operating efficiency and ease of maintenance and these reliable 30 to 240-ton chillers provide big benefits for small to mid-sized buildings as well as mission critical applications like data centers and hospitals. With features typically found on more expensive chillers, why settle for anything but a Daikin air cooled chiller?

## Ideal for a variety of applications



Trailblazer chillers utilize environmentally responsible R-410A refrigerant and meet or exceed the performance requirements of ASHRAE 90.1 2013. Industry leading part load efficiency is obtained through the use of variable speed condenser fan technology. High overall efficiency = lower annual energy costs.

# The right features, the right value, right now

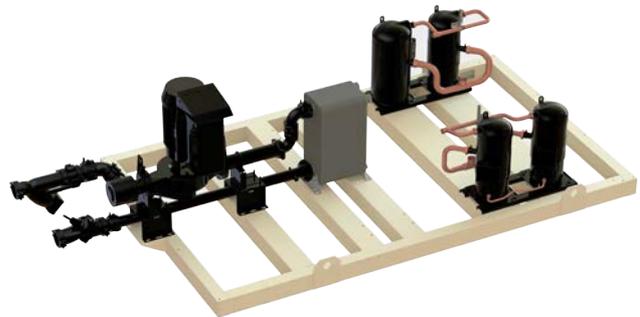


## Efficiency

With full-load efficiencies as high as 11.4 EER and IPLV as high as 17.4 EER (with high efficiency condenser fan VFD option), Trailblazer leads the industry in operating efficiency.

## RapidRestore™

Trailblazer chillers will recover from loss of power to full capacity in under 4 minutes, or achieve full capacity from stand-by in less than 2 minutes for select models making it a perfect choice for mission critical applications.



## Ready when you are

Trailblazer is available when you need it, whether build-to-order, quick ship or from stock. The Trailblazer stock chiller app allows real-time look up of stock availability. Follow the QR code at the bottom right to download this app now.

## Low installed cost

Trailblazer accepts aluminum conductors, and includes options for factory installed strainers, hydronic pump packages, service and finish options. Design flexibility that makes it easy to optimize your chiller for any application.

[apps.daikinapplied.com/stockapp](https://apps.daikinapplied.com/stockapp)





## Reliability, efficiency and low cost of ownership

Daikin Trailblazer air cooled scroll chillers are feature-rich, with industry leading performance. The 30 to 240 ton chillers provide big benefits for small to mid-sized buildings.

**Reliable** - Trailblazer is built on the solid foundation of reliability and robust design of Daikin's AGZ chiller product.

**Efficient** - Meets or exceeds ASHRAE Standard 90.1 2013. Offers industry leading efficiency through the use of variable speed condenser fan technology.

**Quiet** - Sound pressure ratings as low as 60 dBA, without any optional acoustic treatment.

**Low cost of ownership** - Trailblazer's low installed cost, combined with high operating efficiency and ease of maintenance provide the lowest total cost of ownership.

**Ideal for retrofit** - Compact unit footprint can save installation space & costs.

**Mission critical applications** - Trailblazer was designed to handle the demanding requirements of data centers and hospitals. The RapidRestore™ feature along with the high evaporator leaving water temperature capability (65°F) makes Trailblazer the ideal choice.

**Responsible refrigerants** - The Trailblazer chillers use R-410A, which has no ozone depletion potential and no phase-out schedule.

**Easy to integrate** - Our Open Choices™ feature allows the unit controls to easily integrate with your choice of building automation system using LonTalk®, BACnet® or Modbus® open protocols.



# Daikin Trailblazer Technical Specifications

Model AGZ	Capacity (Tons@AHRI)	Full Load (EER)	IPLV (EER)	High IPLV Option (EER)	Dimensions (LxWxH)	Refrigerant Circuits	MCA / RFS1 @ 208v	MCA / RFS1 @ 460v
30	28.3	10.3	15.1		95 x 88 x 101	2	149/175	74/80
35	35.1	10.3	15.4		95 x 88 x 101	2	163/175	77/90
40	39.2	11.4	16.5		95 x 88 x 101	2	168/200	80/90
45	42.6	11.0	16.4		95 x 88 x 101	2	228/250	90/100
50	48.3	10.6	16.0		95 x 88 x 101	2	241/250	109/125
55	51.8	10.4	15.9		95 x 88 x 101	2	251/300	118/125
60	57.0	10.5	15.8		95 x 88 x 101	2	260/300	126/150
65	58.7	10.6	15.8		95 x 88 x 101	2	268/300	129/150
70	65.1	10.1	15.8		95 x 88 x 101	2	306/350	138/150
75	72.9	10.9	15.8	17.4	147 x 88 x 99	2	338/400	149/175
80	77.2	10.8	15.8	17.3	147 x 88 x 99	2	355/400	153/175
90	84.4	10.5	15.7	17.0	147 x 88 x 99	2	384/450	168/200
100	98.4	10.3	15.5	16.3	147 x 88 x 99	2	442/500	203/250
110	107.3	10.4	15.5	16.9	192 x 88 x 99	2	490/600	227/250
120	119.4	10.3	15.5	16.8	192 x 88 x 99	2	534/600	261/300
130	125.7	10.1	15.4	16.7	192 x 88 x 99	2	569/700	284/350
140	138.9	10.6	15.7	16.8	237 x 88 x 99	2	612/700	309/350
150	146.2	10.6	15.6	16.8	237 x 88 x 99	2	640/700	328/400
160	153.7	10.3	15.6	16.4	237 x 88 x 99	2	688/800	316/350
170	160.0	9.8	16.1	16.6	237 x 88 x 99	2	734/800	355/400
180	175.8	9.7	16.1	16.5	237 x 88 x 99	2	875/1000	394/450
190	187.3	10.3	15.7	16.8	283 x 88 x 99	2	848/1000	424/500
210	194.5	10.1	15.8	16.7	283 x 88 x 99	2	890/1000	443/500
225	205.3	10.3	16.0	16.8	327 x 88 x 99	2	898/1000	459/500
240	225.9	10.1	16.0	16.6	327 x 88 x 99	2	1071/1200	525/600

1. Minimum circuit amps and recommended fuse size based on copper conductor.

### Environments

High ambient kit, for operation from 105 to 125 °F (40 to 52 °C)

Low ambient kit, down to -10 °F (-23 °C)

Condenser coil options for enhanced durability in seacoast environments: copper fins or Electrofin™ and Blackfin™ coatings

### Efficiency

Ice storage capability to reduce operating costs

Hot gas bypass for low load operation, down to 10%

Fan VFD control for enhanced part load efficiency

### Quiet

Compressor sound reduction package for ultra sound-sensitive projects

### Flexible Installation

Hydronic pump packages for reduced installation costs and time

Remote evaporator for keeping all chilled water piping within the building

### Serviceability

Phase voltage monitor senses and avoids undesirable electrical conditions

# Make it a complete system for optimum system performance and reliability

1

Choose a Daikin Trailblazer air cooled scroll chiller



**Trailblazer™ air cooled scroll chiller**

30 to 240 tons

2

Add a Daikin air handler or terminal unit



**Vision™ semi-custom indoor air handler**

900 to 100,000 cfm



**Skyline™ semi-custom outdoor air handler**

900 to 65,000 cfm



**Destiny™ commercial air handler**

600 to 15,000 cfm



**RoofPak™ applied outdoor air handler**

4000 to 50,000 cfm



**Unit ventilators**

750 to 2,000 cfm



**Fan coil units**

200 to 3,000 cfm

## The industry leader in environmental solutions

Daikin Applied is committed to sustainable practices as part of our corporate culture. We believe it is the right thing to do for our customers, our community, the environment and ourselves. As the global HVAC leader, Daikin Applied has a unique opportunity to make a difference in sustainable initiatives and continue to lead the industry in environmental solutions.



To learn more about Trailblazer air cooled chillers, contact your local Daikin Applied sales office or visit [www.DaikinApplied.com](http://www.DaikinApplied.com) to find an office near you.