



Trailblazer[®] air cooled scroll chillers



Changing the way you think about air cooled chillers



30 to 240 tons
with Variable Speed Condenser Fan Technology

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 the performance requirements of ASHRAE 90.1 2013 and FEMP 2012 Standards for efficiency. Excellent part-load performance is achieved with four or six scroll compressors. High overall efficiency = lower annual energy costs.

The right features, the right value, right now

Intelligent Equipment®



Unmatched visibility to improve your HVAC performance

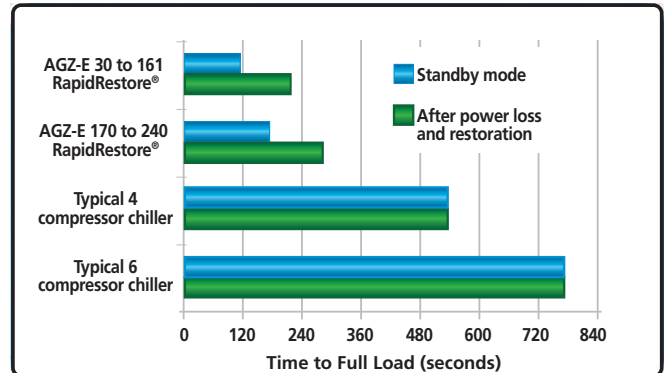
With 40% of your building's operating expenses tied to energy and HVAC management, building owners and managers need better visibility to their unit performance. Daikin's Intelligent Equipment connects directly to your HVAC unit to monitor energy consumption at the equipment level for deeper, more accurate performance measurement.

Data and insights to help you do more with less

Only Intelligent Equipment can trend your unit's health and performance from commissioning throughout the life of the asset. It provides timely notifications for maintenance without requiring additional programming. And because all unit data is stored in the cloud, storage is unlimited. You can always track to the baseline, and you don't have to decide today what you want to track tomorrow.

Freedom and control to learn whatever you want, whenever you want

Intelligent Equipment communicates with you clearly through an engaging user interface designed to surface actionable insights, on any connected device, from anywhere in the world. You have complete access to the data, and control over who uses it; there is even a technician dashboard available through secure, role-based access. That translates quickly to smarter, proactive equipment decisions, and less time reacting to problem situations.



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.

Efficiency

With full load efficiencies up to 11.4 EER and part load IPLV up to 16.5 EER, Trailblazer leads the industry in operating efficiency.

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 & FEMP 2012 standards.

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.

LEED® points - All dual circuit models qualify for LEED EAC - 4 for Enhanced Refrigerant Management worth 2 points.



Daikin Trailblazer Technical Specifications

Model AGZ	Capacity (Tons@AHRI)	Full Load (EER)	IPLV (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	147 x 88 x 99	2	338/400	149/175
80	77.2	10.8	15.8	147 x 88 x 99	2	355/400	153/175
90	84.4	10.5	15.7	147 x 88 x 99	2	384/450	168/200
100	98.4	10.3	15.5	147 x 88 x 99	2	442/500	203/250
110	107.3	10.4	15.5	192 x 88 x 99	2	490/600	227/250
120	119.4	10.3	15.5	192 x 88 x 99	2	534/600	261/300
130	125.7	10.1	15.4	192 x 88 x 99	2	569/700	284/350
140	138.9	10.6	15.7	237 x 88 x 99	2	612/700	309/350
150	146.2	10.6	15.6	237 x 88 x 99	2	640/700	328/400
160	153.7	10.3	15.6	237 x 88 x 99	2	688/800	316/350
170	160.0	9.8	16.1	237 x 88 x 99	2	734/800	355/400
180	175.8	9.7	16.1	237 x 88 x 99	2	875/1000	394/450
190	187.3	10.3	15.7	283 x 88 x 99	2	848/1000	424/500
210	194.5	10.1	15.8	283 x 88 x 99	2	890/1000	443/500
225	205.3	10.3	16.0	327 x 88 x 99	2	898/1000	459/500
240	225.9	10.1	16.0	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 to find an office near you.