

NAVIGATOR®
WATER-COOLED
SCREW CHILLER
CHART A CONFIDENT COURSE

Model WWV
120 to 300 tons



LEARN MORE AT [DAIKINAPPLIED.COM](https://www.daikinapplied.com)

CHART A CONFIDENT COURSE



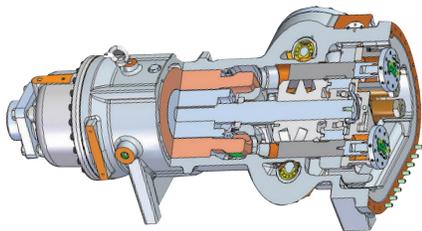
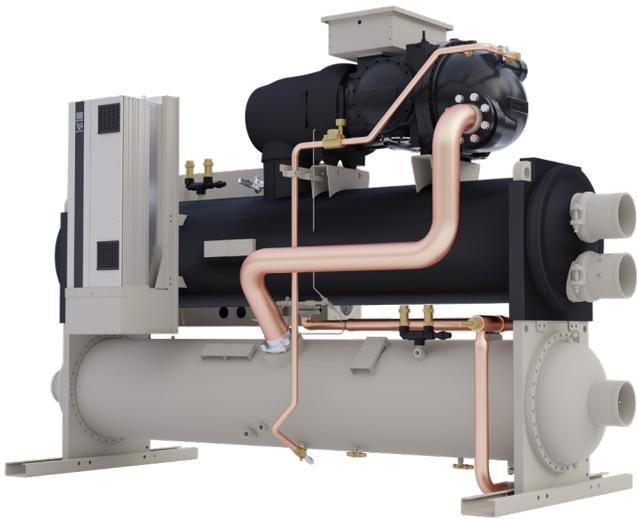
OPERATE WITH CERTAINTY



No two buildings are alike and no two days serve up the same climate conditions, so design an HVAC solution that is optimized for any day or hour with the latest in water-cooled screw technology. Engineered as a fully VFD-driven platform, the Navigator water-cooled screw chiller integrates variable volume ratio (VVR) compressor technology giving you the advantage of a system that adapts to real-world building environments.

Fix your sights on higher levels of efficiency. With Daikin's proprietary design, Navigator will meet a building's HVAC demand as climate and usage needs fluctuate. A building rarely runs at full load; why not get the chiller that delivers exactly the load you need at any given moment? Daikin's Navigator maps its performance to your building's demand.

INNOVATIVE SCREW CHILLER TECHNOLOGIES



Navigator
compressor
cutaway

VVR Compression

Compressor senses off-design conditions, adjusting to lower energy use

Navigator redefines what it means to be an industry leader for water-cooled screw chillers. Leveraging the innovative technology found across Daikin's chiller portfolio, Navigator's performance is optimized for every condition and at every hour of the day with Variable Volume Ratio (VVR) technology. VVR compression technology senses the precise amount of lift needed and adjusts the compression ratio on the fly to deliver optimal efficiency, regardless of ambient temperature or time of day. With VVR technology, you don't pay for over-compression, you pay only for the exact compression you need.

Navigator's unique compressor design with VVR capability integrates with VFD technology to match your required cooling at the best possible efficiency.

Engineered for versatility

Built on Daikin Applied innovation—variable volume ratio technology and water-cooled technology—this chiller gives you the power of efficiencies that in many cases meet or exceed ASHRAE 90.1 – 2016 levels. Navigator's single VFD-driven compressor brings new levels of performance to applications that aren't suited to traditional centrifugals or magnetic bearing solutions.

RapidRestore[®] and Fast-loading Option

Restore cooling and peace of mind as fast as 35 seconds

A power loss could turn into a critical loss of cooling in mission critical facilities such as data centers, health care buildings, or manufacturing processes. A short-term power loss can happen during power interruptions, brown-outs or utility switching operations.

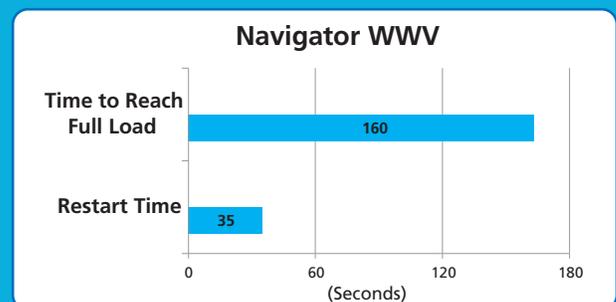
The Navigator chiller is available with a RapidRestore option that allows it to start as fast as 35 seconds after power is restored. In addition, the fast-loading option can restore full load cooling capacity in under 160 seconds. So you can restore critical cooling before it's missed.

Solve your biggest power loss concerns

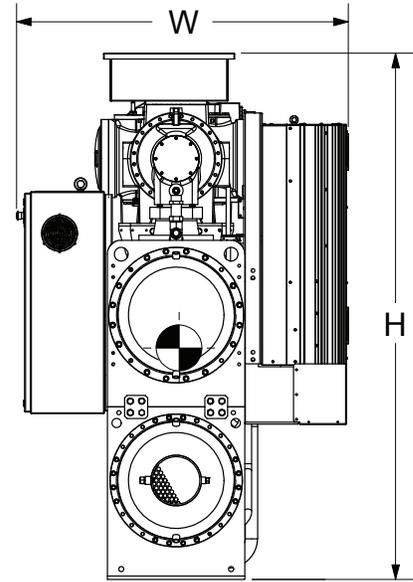
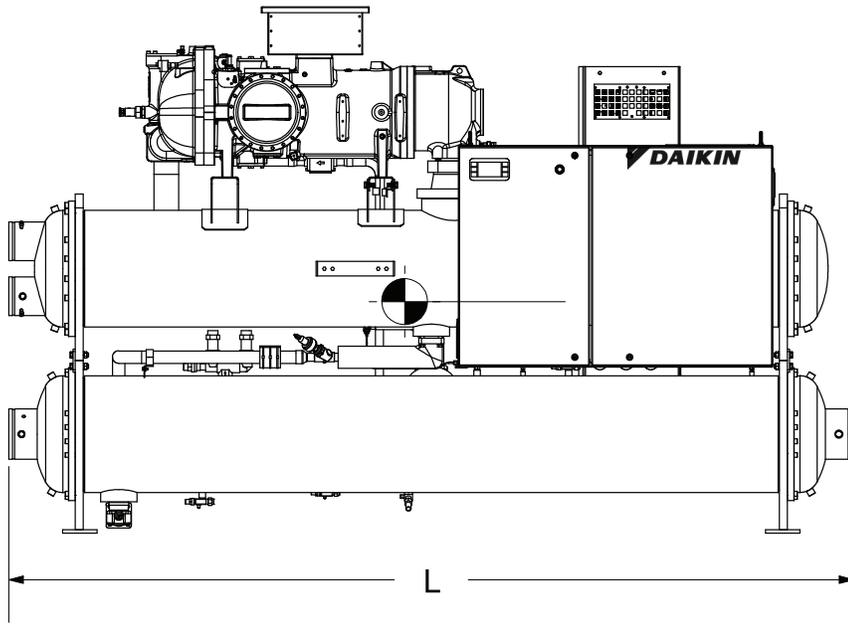
- Faster return to necessary cooling levels
- Keep heat-sensitive servers on-line
- Maintain patient comfort in critical care areas
- Eliminate manufacturing processes downtime

Swiftly recover full-load capacity

Once power has been restored and the chiller is back online, the next critical step is reaching 100% cooling capacity as fast as possible. That's when the fast-loading ability of a Navigator chiller with RapidRestore proves its worth. With fast loading, the Navigator chiller can reach 100% cooling capacity in less than 160 seconds. Comparable water-cooled chillers need up to 10 minutes.



TECHNICAL SPECIFICATIONS



Compressor	Evaporator		Condenser		Length (in)	Width (in)	Height (in)
	Size	Tube Count	Size	Tube Count			
J	E1610	KB	C1810	KB	146.5	55.1	84.8
J	E1610	JB	C1810	JB	146.5	55.1	84.8
J	E1610	HB	C2010	JB	147.6	55.1	84.8
M	E1610	HB	C1810	HB	146.5	55.1	84.8
M	E1610	HB	C2010	JB	147.6	55.1	84.8
M	E1610	GB	C2010	JB	147.6	55.1	84.8
M	E1610	GB	C2010	JB	147.6	55.1	84.8
M	E2010	HB	C2010	HB	145.3	57.1	90.2
M	E2010	GB	C2010	HB	145.3	57.1	90.2
M	E2410	HB	C2410	JB	150.5	61.6	97.7
	E2010	HB	C2010	HB	145.3	57.1	90.2
R	E2410	JB	C2410	JB	150.5	61.6	97.9
R	E2410	HB	C2410	JB	150.5	61.6	97.9
R	E2410	GB	C2410	HB	150.5	61.6	97.9

NOTE: See certified drawings for additional dimensional data.
Dimensions shown are base configurations and may change based on unit options.

THE INDUSTRY LEADER IN ENVIRONMENTAL SOLUTIONS

We are strongly committed to protecting the health and safety of people while finding sustainable solutions to lead the industry. As an HVAC leader, we recognize the unique opportunity to make a difference in environmental initiatives while educating the next generation to further improve efficiencies and create a more sustainable world for all. Climate change is a pressing issue today and we challenge ourselves to solve it. Our investments in innovation, technology, and sustainability earned Frost & Sullivan's 2019 Manufacturing Leadership Award. Our products save energy, reduce environmental impact, and help facilities earn points toward LEED® certification with EPD verification.



To learn more about Navigator water-cooled chillers and our complete line of HVAC system solutions, contact your local Daikin Applied sales office or visit www.DaikinApplied.com to find an office near you.