



Navigator™ WWV water-cooled screw chillers



120 to 300 tons

Chart a confident course



Operate with greater certainty



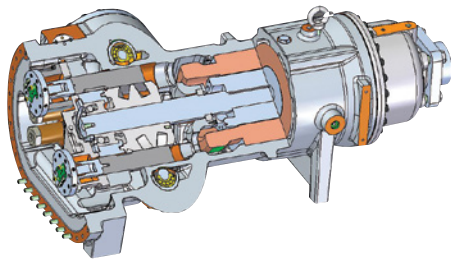
No two buildings are alike and no two days serve up the same climate conditions, so design an HVAC solution that is optimized for any day or hour with the latest in water-cooled screw technology. Engineered as a fully VFD-driven platform, the Navigator water-cooled screw chiller integrates variable volume 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.

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

Daikin 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, and get exactly the lift needed.

Unique compressor design with variable volume ratio 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.

Navigator 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.

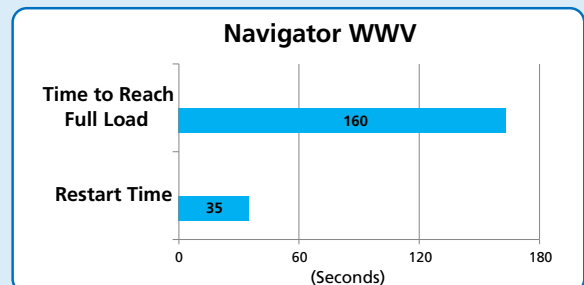
The Navigator chiller is available with a RapidRestore option that allows it to start as fast as 35 seconds after power is restored. In addition, the fast-loading option can restore full load cooling capacity in under 160 seconds. So you can restore critical cooling before it’s missed.

Solve your biggest power loss concerns

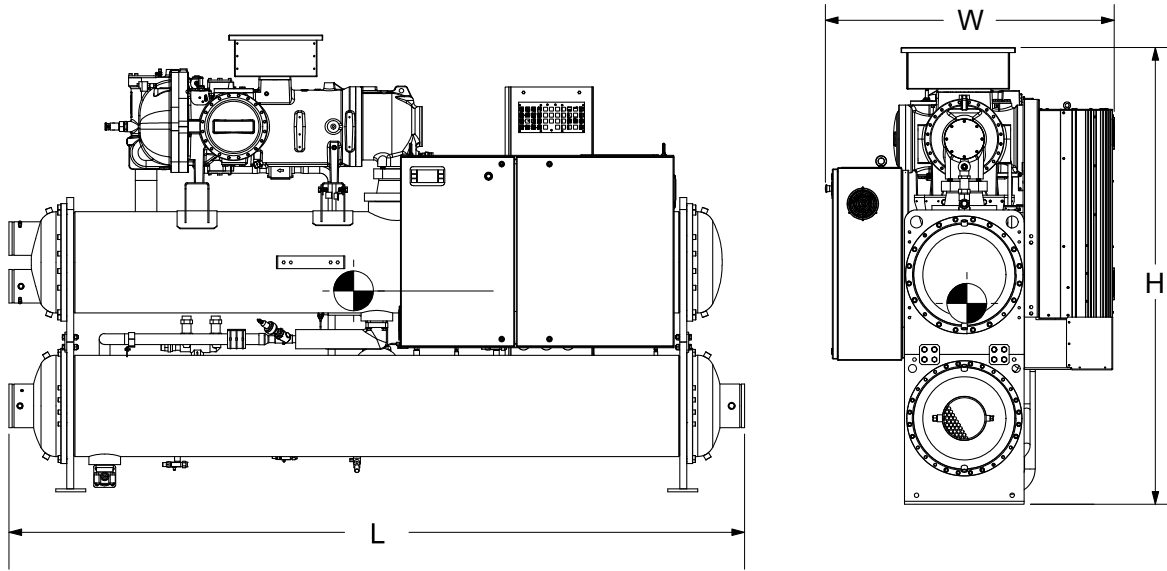
- Faster return to necessary cooling levels
- Keep heat-sensitive servers on-line
- Maintain patient comfort in critical care areas
- Eliminate downtime in manufacturing processes

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.



Daikin Navigator technical specifications



Compressor	Evaporator		Condenser		Length (in)	Width (in)	Height (in)	Shipping Weight	Operating Weight
	Size	Tube Count	Size	Tube Count					
J	E1610	KB	C1810	KB	146.5	55.1	84.8	4648 lbs	6518 lbs
J	E1610	JB	C1810	JB	146.5	55.1	84.8	4779 lbs	6567 lbs
J	E1610	HB	C2010	JB	147.6	55.1	84.8	5351 lbs	7302 lbs
M	E1610	HB	C1810	HB	146.5	55.1	84.8	4885 lbs	6624 lbs
M	E1610	HB	C2010	JB	147.6	55.1	84.8	5520 lbs	7471 lbs
M	E1610	GB	C2010	JB	147.6	55.1	84.8	5632 lbs	7553 lbs
M	E1610	GB	C2010	JB	147.6	55.1	84.8	5510 lbs	7431 lbs
M	E2010	HB	C2010	HB	145.3	57.1	90.2	6032 lbs	8361 lbs
M	E2010	GB	C2010	HB	145.3	57.1	90.2	6447 lbs	8707 lbs
M	E2410	HB	C2410	JB	150.5	61.6	97.7	7940 lbs	11373 lbs
R	E2010	HB	C2010	HB	145.3	57.1	90.2	7511 lbs	9840 lbs
R	E2410	JB	C2410	JB	150.5	61.6	97.9	9343 lbs	12810 lbs
R	E2410	HB	C2410	JB	150.5	61.6	97.9	9377 lbs	12810 lbs
R	E2410	GB	C2410	HB	150.5	61.6	97.9	9617 lbs	12899 lbs

NOTE: See certified drawings for additional dimensional data

Check out our Navigator stock today!

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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 Navigator water-cooled chillers, contact your local Daikin Applied sales office or visit www.DaikinApplied.com to find an office near you.