

## Item Number: CHS398100HCXiN

Attribute	Value
Featured Image	<a href="https://rinnai.widen.net/content/txgvnh1v0p/web/DemandDuo_HSeries_DD398100HXV_Silo_CoverON__0001.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/txgvnh1v0p/web/DemandDuo_HSeries_DD398100HXV_Silo_CoverON__0001.png?u=vmp7gq&amp;download=true</a>
Product Category	Water Heating>Demand Duo>Demand Duo H-Series
Active for Ecommerce	Yes
Audience	Commercial
Automatic Gas-Leak Detector	No
Cascading (Y/N)	No
Certifications	ASI Z21.10.3,AHRI,CSA 4.3 and ENERGY STAR Certified (CU199i)
Certified CSA	Yes
Certified SCAQMD Approved	Ultra Low NOx
Clearance from Combustibles (Back)	0" / (0 mm)
Clearance from Combustibles (Bottom)	0" / (0 mm)
Clearance from Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Combustibles (Front)	6" / (152 mm)
Clearance from Combustibles (Sides)	0" / (0 mm)
Clearance from Combustibles (Top)	2" / (51 mm)
Clearance from Non-Combustibles (Back)	0" / (0 mm)
Clearance from Non-Combustibles (Bottom)	0" / (0 mm)
Clearance from Non-Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Non-Combustibles (Front)	6" / (152 mm)
Clearance from Non-Combustibles (Sides)	0" / (0 mm)
Clearance from Non-Combustibles (Top)	2" / (51 mm)
Clearances required for service (Front)	24" / (610 mm)
Cold Water Inlet Connection	1-1/2" MNPT / (38 mm)
Color	Charcoal
Condensate Line Connection	Yes
Country of Origin	United States
Domestic Hot Water First Hour Delivery	551
Domestic Hot Water Natural Gas (Btuh/kW) - Input Maximum	398,000 BTU / (116.6 kW)
Domestic Hot Water Natural Gas (Btuh/kW) - Input Minimum	15,000 BTU / (4.3 kW)
Domestic Hot Water Outlet Connection	1-1/2"MNPT
Domestic Hot Water Temperature Range (Commercial) (°F/°C)	98F-185F / (37C-85C)
Domestic Hot Water Temperature Range (Standard) (°F/°C)	98F-185F / (37C-85C)
Domestic Water Supply Pressure: Maximum	150 PSI / (1035 kPa)

Attribute	Value
Domestic Water Supply Pressure: Minimum	15 PSI / (103 kPa)
Electrical Amperage - Maximum	8 Amps
Electrical Consumption (Anti-Frost Protection)	142 watts
Electrical Consumption (Maximum)	758
Electrical Consumption (Normal)	98 watts
Electrical Consumption (Standby)	1.3 watts
Electrical Voltage	AC 120 Volts, 60 Hz
Energy / Fuel Type	Natural Gas
Energy Factor	0.98
Energy Star - Commercial	No
Energy Star - Residential	No
Feature/Benefit Bullet 1	Hybrid Design uses 119 gallon tank and tankless units (398,000 BTU total) to provide First Hour Delivery up to 551 gallons @ 100°F ? T
Feature/Benefit Bullet 10	97% Thermal efficient CU199 - Ultra Low NOX compliant and ENERGY STAR
Feature/Benefit Bullet 2	Tank-tankless design produces no thermal stress on tank, for longer life and reduced risk of downtime or leaks
Feature/Benefit Bullet 3	Reduce cost of ownership with low cost component repair vs replace entire traditional system
Feature/Benefit Bullet 4	Optimized pump design for increased flow and faster recovery
Feature/Benefit Bullet 5	DuoSmart ■ Digital Controller for temperature precision and recirculation control ■ no aquastat required
Feature/Benefit Bullet 6	Gas Swivel Flex Line rotates 360° allowing 36"-long, 180° radius to connect to gas supply line
Feature/Benefit Bullet 7	As much as 37% lighter weight vs high-efficiency tank
Feature/Benefit Bullet 8	Quick simple installation includes factory installed gas dirt leg, electrical access, and preassembled condensate drain
Gas Supply Connection	1-1/2"MNPT
Hazmat Y/N	No
Ignition System	Direct Electronic Ignition
Image - Corporate Logo	<a href="https://rinnai.widen.net/content/bjw5z2ex3z/web/Rinnailogo.PMS186.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/bjw5z2ex3z/web/Rinnailogo.PMS186.png?u=vmp7gq&amp;download=true</a>
Image - Front	<a href="https://rinnai.widen.net/content/txgvnh1v0p/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0001.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/txgvnh1v0p/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0001.png?u=vmp7gq&amp;download=true</a>
Image - Left	<a href="https://rinnai.widen.net/content/9oosildme/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0000.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/9oosildme/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0000.png?u=vmp7gq&amp;download=true</a>
Image - Lifestyle	<a href="https://rinnai.widen.net/content/oh0pynv6ng/web/DemandDuo_HSeries_DD398100HXV_Laundry__0000_Post.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/oh0pynv6ng/web/DemandDuo_HSeries_DD398100HXV_Laundry__0000_Post.png?u=vmp7gq&amp;download=true</a>
Image - Right	<a href="https://rinnai.widen.net/content/licmtdzep2/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0002.png?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/licmtdzep2/web/DemandDuo_HSeries_DD398100H_XV_Silo_CoverON__0002.png?u=vmp7gq&amp;download=true</a>
Installation Location	Indoor
Isolation Valves Included	Yes

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Literature - Trade Brochure	<a href="https://rinnai.widen.net/content/muck4e9mq7/original/US%20-%20Demand%20Duo%20Hybrid%20Commercial%20Water%20Heating%20Solutions.pdf?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/muck4e9mq7/original/US%20-%20Demand%20Duo%20Hybrid%20Commercial%20Water%20Heating%20Solutions.pdf?u=vmp7gq&amp;download=true</a>
Low Lead Law Compliant	Yes
Manufacturer	Rinnai America Corporation
Material of Tank Line	Glass-Lined
Minimum Order Qty	1.0
MSDS (Y/N)	No
Pallet Depth (inches/cm)	46 inch / (117 cm)
Pallet Height (inches/cm)	85.3 inch / (217 cm)
Pallet Quantity	1.0
Pallet Weight (lb/kg)	890 lb / (404 kg)
Pallet Width (inches/cm)	40 inch / (102 cm)
Product Catalog Title (SEO)	Rinnai's Demand Duo H-Series 2V hybrid commercial tankless water heaters are stacked vertically for redundancy, reliable hot water, high-efficiency, ensuring a longer service life. Natural Gas or Propane convertible, installed indoor, 398,000 BTU, 100 Gallon.
Product Class	Commercial Hybrid Water Heating
Product Code	CHS398100HCXiN
Product Depth	39.0 inch / (991 mm)
Product Description - Long	With Rinnai's new Demand Duo H-Series, reliable hot water comes in a high-performance, high-efficiency package that also reduces cost of ownership. Rinnai's hybrid technology is unlike anything else on the market, ensuring a longer service life than high-efficiency tanks, while also saving valuable commercial space. The tankless engines for the Demand Duo 2V are stacked vertically to deliver redundancy and eliminate "no hot water" events that affect profitability.
Product Description - Short	CX199iN x2 with 119G Tank Hybrid System
Product Group	Commercial Demand Duo
Product Height	68 inch (1727 mm)
Product Info Document - Owners Installation and Operation Manuals	<a href="https://rinnai.widen.net/content/pm1w0rymrk/original/100000872%20Demand%20Duo%20-%20H-Series%20with%20SENSEI%20CX%20Installation%20Instructions.pdf?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/pm1w0rymrk/original/100000872%20Demand%20Duo%20-%20H-Series%20with%20SENSEI%20CX%20Installation%20Instructions.pdf?u=vmp7gq&amp;download=true</a>
Product Info Document - Specification Sheets	<a href="https://rinnai.widen.net/content/hwmeojnlsv/original/100000886%20Demand%20Duo%20H-Series%20with%20SENSEI%20CX%20Spec%20Sheet%20%282%29.pdf?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/hwmeojnlsv/original/100000886%20Demand%20Duo%20H-Series%20with%20SENSEI%20CX%20Spec%20Sheet%20%282%29.pdf?u=vmp7gq&amp;download=true</a> , <a href="https://rinnai.widen.net/content/2xscxzwcr/original/100001017%20CHS398100HCXiN%20Engineering%20Specification.pdf?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/2xscxzwcr/original/100001017%20CHS398100HCXiN%20Engineering%20Specification.pdf?u=vmp7gq&amp;download=true</a>
Product Info Document - Warranty	<a href="https://rinnai.widen.net/content/ovplyqsovs/original/100000669%2802%29_Warranty_Demand%20Duo.pdf?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/ovplyqsovs/original/100000669%2802%29_Warranty_Demand%20Duo.pdf?u=vmp7gq&amp;download=true</a>
Product Returnable Y/N	Yes
Product Series	Demand Duo™ H-Series Hybrid Water Heating System
Product Status	Active
Product Sub Series	CHS-HCX2
Product Weight	530 lb / (241 kg)
Product Width	41 inch / (1041 mm)

Attribute	Value
Prop 65 Warning Statement	California law requires this notice to be provided: California Proposition 65: This product can expose you to chemicals including Di (2-ethylhexyl) phthalate (DEHP) and carbon bisulfide which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> ., California law requires this notice to be provided: California Proposition 65: This product can expose you to chemicals including Di (2-ethylhexyl) phthalate (DEHP) and carbon bisulfide which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
Publish to RAC Website	Yes
Recirculation Capable	Yes
RevitWidgetID	57480
Sellable Country	US/CAN
Shipping Height (inches/cm)	78 inch / (1981 mm)
Shipping Length (inches/cm)	46 inch / (1168 mm)
Shipping Weight (lbs/kg)	890 lb / (405 kg)
Shipping Width (inches/cm)	48 inch / (1219 mm)
Sound Level	49.0
UPC Code	766156017919
Venting diameters	2", 3", 2x4", 3x5" / 50 mm, 80 mm, 50x100mm, 80x130 mm
Venting Type	Concentric, Twin Pipe, Room Air, Common Vent
Video - For Trade Professionals	<a href="https://rinnai.widen.net/content/xlhelw3iz4/original/H-3-4_TRS.mp4?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/xlhelw3iz4/original/H-3-4_TRS.mp4?u=vmp7gq&amp;download=true</a> , <a href="https://rinnai.widen.net/content/fcciedkds3/original/H-3-4_Demand_Duo.mp4?u=vmp7gq&amp;download=true">https://rinnai.widen.net/content/fcciedkds3/original/H-3-4_Demand_Duo.mp4?u=vmp7gq&amp;download=true</a>
Warranty - Standard for Commercial	6 Years on Tank / 5 Years on Parts
Water Volume	119 Gallons / (450 L)
WiFi Capable / Compatible	Yes