

Item Number: CX160iN

Attribute	Value
Featured Image	https://rinnai.widen.net/content/hktv66j72n/web/SENSEI%20CX_Solo_CoverON_front.png?u=vmp7gq&download=true
Product Category	Water Heating>Tankless Water Heaters>Condensing>CX Series
Active for Ecommerce	Yes
Amazon Alexa Compatible	Yes
Android Compatible	Yes
Apple HomeKit Compatible	No
Approved Use in	Mobile Home
Audience	Commercial
Automatic Gas-Leak Detector	No
Bluetooth Compatible	Yes
California Energy Commission (CEC) Model Registration Number	REU-NB2530FFC-US
Cascading (Y/N)	Yes
Certifications	CSA,AHRI
Certified CSA	Yes
Certified MEA Massachusetts	Yes
Certified SCAQMD Approved	Ultra Low NOx
Clearance from Combustibles (Back)	0" / (0 mm)
Clearance from Combustibles (Bottom)	12" / (305 mm)
Clearance from Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Combustibles (Front)	0" / (0 mm)
Clearance from Combustibles (Sides)	2" / (51 mm)
Clearance from Combustibles (Top)	2" / (51 mm)
Clearance from Non-Combustibles (Back)	0" / (0 mm)
Clearance from Non-Combustibles (Bottom)	12" / (305 mm)
Clearance from Non-Combustibles (From vent pipe)	0" / (0 mm)
Clearance from Non-Combustibles (Front)	0" / (0 mm)
Clearance from Non-Combustibles (Sides)	2" / (51 mm)
Clearance from Non-Combustibles (Top)	2" / (51 mm)
Clearances required for service (Front)	24" / (610 mm)
Cold Water Inlet Connection	3/4 in
Color	Black
Condensate Line Connection	1/2" NPT / (13 mm)
Country of Origin	Japan
Domestic Hot Water Activation Rate	0.13 GPM
Domestic Hot Water Flow Rate (Maximum)	9.0 GPM / (34 L/min)

Attribute	Value
Domestic Hot Water Flow Rate (Minimum)	0.26 GPM / (1.0 l/min)
Domestic Hot Water Flow Rate @ 35°F Rise Capacity (GPM/LPM)	8.9 GPM (33.7 LPM)
Domestic Hot Water Flow Rate @ 45°F Rise Capacity (GPM/LPM)	6.9 GPM / (26.1 LPM)
Domestic Hot Water Flow Rate @ 50°F Rise Capacity (GPM/LPM)	6.2 GPM (23.4 LPM)
Domestic Hot Water Flow Rate @ 55°F Rise Capacity (GPM/LPM)	5.7 GPM / (21.6 LPM)
Domestic Hot Water Flow Rate @ 65°F Rise Capacity (GPM/LPM)	4.8 GPM / (18.2 LPM)
Domestic Hot Water Flow Rate @ 70°F Rise Capacity (GPM/LPM)	4.5 GPM (17.0 LPM)
Domestic Hot Water Natural Gas (Btuh/kW) - Input Maximum	160000 BTU/H / (46.8 kW)
Domestic Hot Water Natural Gas (Btuh/kW) - Input Minimum	15,000 BTU/H / (4.3 kW)
Domestic Hot Water Outlet Connection	3/4 in
Domestic Hot Water Temperature Range (Commercial) (°F/°C)	98F-185F / (37C-85C)
Domestic Hot Water Temperature Range (Residential) (°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 / (1034 kPa)
Domestic Water Supply Pressure: Minimum	15 PSI / (103 kPa)
Electrical Amperage - Maximum	4 Amps
Electrical Consumption (Anti-Frost Protection)	142 Watts
Electrical Consumption (Maximum)	244 Watts
Electrical Consumption (Normal)	73 Watts
Electrical Consumption (Standby)	1.3 Watts
Electrical Voltage	AC 120 Volts, 60 Hz
Energy Factor	0.97
Energy Star - Commercial	No
Energy Star - Residential	Yes
Feature/Benefit Bullet 1	Max Temperature 185°F
Feature/Benefit Bullet 10	Thermal Efficiency 97%
Feature/Benefit Bullet 2	Smart Sense Gas Valve Technology adjusts to either Natural Gas or Propane - no conversion kit required.
Feature/Benefit Bullet 3	Versa-Vent Cap for outdoor installations provides the ultimate in installation flexibility (sold separately).
Feature/Benefit Bullet 4	Smart Connect via Bluetooth to your device using your smartphone and the Rinnai Central App for Quick Setup and Registration

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Feature/Benefit Bullet 5	Smart Circ™ Intelligent Recirculation™ automatically learns users' hot water usage patterns.
Feature/Benefit Bullet 6	Quick Flush - Simplified System Flushing
Feature/Benefit Bullet 7	Industry leading 2" venting up to 75 feet
Feature/Benefit Bullet 8	Recirculation: Integrated with Cascade Control
Feature/Benefit Bullet 9	4-Speed High Efficiency DC Recirculation Pump
Gas Supply Connection	3/4 in
Google Assistant Compatible	No
Heating Input Natural Gas (Btu/h &kW) - Maximum	160000 BTU/H / (46.8 kW)
Heating Input Natural Gas (Btu/h &kW) - Minimum	15,000 BTU/H / (4.3 kW)
High Altitude Model	No
Ignition System	Direct Electronic Ignition
Image - Corporate Logo	https://rinnai.widen.net/content/bjw5z2ex3z/web/Rinnailogo.PMS186.png?u=vmp7gq&download=true
Image - Front	https://rinnai.widen.net/content/n3w62giatzk/web/SenseiCX_Silo_CoverOFF__0002.png?u=vmp7gq&download=true , https://rinnai.widen.net/content/leqhe6nv64/web/SenseiCX_Silo_CoverON__0002.png?u=vmp7gq&download=true
Image - Left	https://rinnai.widen.net/content/yIlg31iIwqw/web/SENSEI%20CX_Solo_CoverON_left.png?u=vmp7gq&download=true
Image - Lifestyle	https://rinnai.widen.net/content/arcjrhnkbw/web/CX%20Lifestyle%20Image.jpg?u=vmp7gq&download=true , https://rinnai.widen.net/content/vzfeelvc2f/web/3549_Rinnai_CX_Comp_01%20%281%29%20lo.jpg?u=vmp7gq&download=true
Image - Right	https://rinnai.widen.net/content/qheqdetsru/web/Sensei%20CX_Solo_CoverON_right.png?u=vmp7gq&download=true
Installation Location	Indoor
IOS Compatible	Yes
Isolation Valves Included	No
Kit (Yes/NO)	No
Literature - Sizing Guide	https://rinnai.widen.net/content/oqmer2fuqk/original/US%20and%20Canada%20Ground%20Water%20Maps.CX%20and%20CXP160IN%20%281%29.pdf?u=vmp7gq&download=true
Literature - Trade Brochure	https://rinnai.widen.net/content/fuh5laieoo/original/Rinnai%20DAM_%20Asset%20Details.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/g03ovljdck/original/2024020%20-%20Commercial%20Model%20Crossover%20Matrix.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/lzlkbc2c4ic/original/FRENCH%20Sensei%20to%20Sensei%20RX%20Cross-reference.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/onkzwtrnjb/original/US%20Sensei%20to%20Sensei%20RX%20Cross-reference.pdf?u=vmp7gq&download=true
Low Lead Law Compliant	Yes
Manufacturer	Rinnai America Corporation
Minimum Order Qty	1.0
Pallet Depth (inches/cm)	48 inch / (122 cm)
Pallet Height (inches/cm)	72.2 inch / (183 cm)
Pallet Quantity	10.0

Attribute	Value
Pallet Weight (lb/kg)	765 lb / (33.1 kg)
Pallet Width (inches/cm)	40 inch / (102 cm)
Product Catalog Title (SEO)	The Next Generation in Commercial Tankless Water Heating that offers precise load tracking along with best in class redundancy and reliability
Product Class	Commercial Tankless Water Heating
Product Code	REU-NB2530FFC-US
Product Depth	11.4 inch / (291 mm)
Product Description - Long	SENSEI™ CX Series is the Built for the PRO, by the PRO with a new, more compact combustion design that makes it easier to install with enhanced operational performance and serviceability.
Product Description - Short	Condensing Tankless Water Heater CX160 features 97% Thermal Efficiency with 160k BTU.
Product Group	Residential Gas Water Heating
Product Height	30.11 inch / (762 mm)
Product Info Document - Component Replacement	<p>https://rinnai.widen.net/content/v2rwbmammm/original/100000313%20OPU%20Instructions-English%20and%20French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/v22plmg7xw/original/100000916-Gas%20Valve%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/iuvccedzlx/original/100000915-PCB%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/ukl34kfkod/original/100000918-Heat%20Exchanger%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/hslddzphcx/original/100000919-Pump%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/oe3x8mn3oj/original/100000917-Combustion%20Fan%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/b9qcocikvm/original/100000920-Water%20Flow%20Servo%20Valve%20Replacement%20Instructions-SENSEI%20RX%20CX-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/ok4twscqif/original/100001063%20OPU%20Instructions-Spanish.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/rqgwz2ntmko/original/100000921%20PVC%20and%20CPVC%20Common%20Venting%20Installation%20Instructions%20for%20SENSEI-SPANISH.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/wfoxro3rlc/original/100000913-Pump%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/rswkk5u6zx/original/100000909-PCB%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/m8ricqqpee/original/100000911-Combustion%20Fan%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/bowboux7o8/original/100000910-Gas%20Valve%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/hvudjrcxk2/original/100000912-Heat%20Exchanger%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/yutbpc7h0g/original/100000887-Polypropylene%20Common%20Venting%20Installation%20Instructions-Version%20H_FRE.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/79fjknfv8l/original/100000914-Water%20Flow%20Servo%20Valve%20Replacement%20Instructions-SENSEI%20RX%20CX-French.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/b2lzbddydx/original/100000888-PVC%20and%20CPVC%20Common%20Venting%20Installation%20Instructions%20for%20SENSEI_FRE.pdf?u=vmp7gq&download=true,https://rinnai.widen.net/content/rsvb2mqa68/original/100000939%20SENSEI%20CX%20Demand%20Duo%20H-Series%20Retrofit%20Kit%20Installation%20Instructions-French.pdf?u=vmp7gq&download=true</p>

Attribute	Value
Product Info Document - Conversion Manual	https://rinnai.widen.net/content/9i9ixprorr/original/100000842%20SENSEI%20RX_CX%20Outdoor%20Conversion%20Manual.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/soajfyscya/original/100000928%20SENSEI%20RX%20CX%20Indoor%20to%20Outdoor%20Conversion%20Manual-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ms8ptixpsv/original/100000927%20SENSEI%20RX%20CX%20Gas%20Conversion%20Manual-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/zwuryfy77y/original/100000841%20SENSEI%20RX%20Gas%20Conversion%20Manual.pdf?u=vmp7gq&download=true
Product Info Document - Energy Guide Labels	https://rinnai.widen.net/content/jntgwnkglr/original/Energy%20Guide%20CX160%20-Natural%20Gas.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/9kfwbooeaq/original/Energy%20Guide%20CX160%20-Propane%20Gas.pdf?u=vmp7gq&download=true
Product Info Document - Owners Installation and Operation Manuals	https://rinnai.widen.net/content/qx0qhgtkvn/original/100000699%2802%29%20BMS%20Installation%20and%20Operation%20Manual.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/0xqynpxkw6/original/100000840%20SENSEI%20CX%20Commercial%20Installation%20and%20Operation%20Manual.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/r1bkyewap/original/100000940%20SENSEI%20CX%20Demand%20Duo%20H-Series%20Retrofit%20Kit%20Installation%20Instructions-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/htpluy2ui/original/100000870%20TRS%20with%20SENSEI%20CX%20Installation%20Instructions.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/iiftibzd45/original/100000924%20Troubleshooting%20TWH%20Diagnostic%20Codes-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/a9uadtrv1k/original/100000923%20Troubleshooting%20TWH%20Diagnostic%20Codes-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/h6jmxfrva7/original/100000557-Polypropylene%20Common%20Venting%20Installation%20Instructions.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/lrdaezr8ky/original/100000557-Sp%20Polypropylene%20Common%20Venting%20Installation%20Instructions-Version%20H_SPANISH.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/gi1j6hdhjf/original/100000625-PVC%20and%20CPVC%20Common%20Venting%20Installation%20Instructions%20for%20SENSEI.pdf?u=vmp7gq&download=true
Product Info Document - Specification Sheets	https://rinnai.widen.net/content/05ikjmh6k/original/100000905%2803%29%20SENSEI%20CX%20Commercial%20Condensing%20Spec%20Sheet-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/osd4w3s3o7/original/100000901%2803%29%20SENSEI%20CX%20Commercial%20Condensing%20Spec%20Sheet-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/whyawduxsk/original/100000933%20PCD11-SHS%20and%20PCD11-IB%20Pipe%20Cover%20Specification%20Sheet.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/lhhimty2g/original/100000885%20TRS%20with%20Sensei%20CX%20Units%20Spec%20Sheet.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/snn0gort8u/original/100000881%20SENSEI%20CX%20Commercial%20Condensing%20Spec%20Sheet-English.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/tplozp3tht/original/100000894%20Water%20Heater%20Isolation%20Valves%20and%20PRV%20Kit.pdf?u=vmp7gq&download=true
Product Info Document - Technical Bulletins	https://rinnai.widen.net/content/oavnrxknp/original/TB-204%20RXLeakKit%20No%20Longer%20Available.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/erk3epaaqp/original/TB-162%2802%29%20Announcing%20IPEX%20System%201738%20PVC%20Approval.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/m4qqbi81jk/original/TB-201%20Cascade%20System%20with%20CX%20and%20CU%20Models.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/vhhcxvncww/original/TB-205%2801%29%20Slope%20of%20Air%20Intake%20Pipe%20for%20SENSEI%20RX%20CX%20Water%20Heaters.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/t1rfdft1l/original/TB-202%20SENSEI%20RX%20RXP%20CX%20CXP%20Rating%20Plate%20Update.pdf?u=vmp7gq&download=true

Attribute	Value
Product Info Document - Technical Data Sheets	https://rinnai.widen.net/content/w89sh2wm3o/original/100000849-SENSEI%20RX%20CX%20Tech%20Sheet_English.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ybgwtgawgl/original/100000850-SENSEI%20RX%20CX%20Check%20Sheet_Eng-Fr.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/u08dt7dbyb/original/100000849-SENSEI%20RX%20CX%20Tech%20Sheet_French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/wvbnqxhc/original/100000929%20SENSEI%20RX%20CX%20Check%20Sheet-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ucl2mjb7jb/original/100000890-SENSEI%20RX%20CX%20Tech%20Sheet-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/pl07wjs4ts/original/100000652-Troubleshooting%20TWH%20Diagnostic%20Codes.pdf?u=vmp7gq&download=true
Product Info Document - Warranty	https://rinnai.widen.net/content/aovk3peam5/original/100001002_Warranty_SENSEI%20Commercial-French.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/jsfw9uyabe/original/100001003_Warranty_SENSEI%20Commercial-Spanish.pdf?u=vmp7gq&download=true , https://rinnai.widen.net/content/ctxb8jqog9/original/100000654_Warranty_SENSEI%20Commercial%20%281%29.pdf?u=vmp7gq&download=true
Product Info Document – Submittal Sheet	https://rinnai.widen.net/content/v7ijnmdzyn/original/100000900%20CX199%20and%20CX160%20Commercial%20TWH%20Submittal%20Form.pdf?u=vmp7gq&download=true
Product Series	Commercial Tankless Water Heaters
Product Status	Active
Product Sub Series	CX
Product Weight	54 lb / (24.4 kg)
Product Width	18.5 inch / (470 mm)
Prop 65 Chemicals (CAS)	75-15-0 and 7439-92-1
Prop 65 Warning Required	Yes
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 www.P65Warnings.ca.gov .
Publish to RAC Website	Yes
Recirculation Capable	Yes
RevitWidgetID	56602
Sellable Country	US/CAN
Shipping Height (inches/cm)	33.1 inch / (841 mm)
Shipping Length (inches/cm)	14.8 inch / (380 mm)
Shipping Weight (lbs/kg)	59 lb / (27 kg)
Shipping Width (inches/cm)	21.7 inch / (550 mm)
SmartThings Compatible	No
Sound Level	48.0
Thermal Efficiency	0.97
UPC Code	766156017391
Venting diameters	2", 3", 2"/4" and 3"/5"
Venting Material	Aluminum Aluminum, Polypropylene, PVC, CPVC

Attribute	Value
Venting Type	Concentric, Twin Pipe, Room Air, Common Vent
Video - 360 Spin	https://rinnai.widen.net/content/7soymxkvyc/original/CX360degreeaudio.mp4?u=vmp7gq&download=true
Video - For Trade Professionals	https://rinnai.widen.net/content/fmwjtcxpf8/original/CXSmartConnect.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/mdm09rlshl/original/CXVersaVentCXP.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/akjz8f7ivg/original/CXSmartSense.mp4?u=vmp7gq&download=true , https://rinnai.widen.net/content/7zzi0uipj8/original/CXQuickFlush.mp4?u=vmp7gq&download=true
Voice Activation Enabled	No
Warranty - Standard for Commercial	1 Year on Labor / 5 Years on Parts / 8 Years (12,000 hr) on Heat Exchanger
WiFi Capable / Compatible	Yes