



Vantix™ Line Cased Coils For Gas and Oil Furnaces



TCFZ

Refrigerant R-410A

Airflow Capacity

600-1,900 CFM [283-897 L/s]

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Features and Benefits

- Russell® By Rheem Indoor Furnace cased coils are designed for use with Russell® By Rheem outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Russell® By Rheem outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 60,000 BTU/HR [17.6 kW]
- Constructed of aluminum fins bonded to internally grooved aluminum tubing
- Coils are tested at the factory with an extensive refrigerant leak check
- Coils have copper sweat refrigerant connections
- Feature two sets of 3/4" [19.1 mm] N.P.T. Condensate drain connections for ease of connection
- Chatleff metering device connections, at inlet and outlet of TXV or EEV and equalizer connections (TXV only)
- Approved for system application with variety of Russell® By Rheem outdoor units
- Condensate drain pan is constructed of high grade, heat resistant, corrosion free thermal-set material
- Compatible with Germicidal Light System (UV resistant)
- Bi-Directional airflow eliminates the need to switch any internal components from horizontal left to right
- Unique drain pan design maximizes application flexibility and condensate removal
- N-Coil design maximizes performance and minimizes height required at installation
- Coils are AHRI certified for system application with a variety of Russell® By Rheem outdoor units

[] Designates Metric Conversions

Coils

<u>T</u>	<u>C</u>	<u>F</u>	<u>Z</u>	<u>24</u>	<u>14</u>	<u>S</u>	<u>T</u>	<u>A</u>	<u>A</u>	<u>M</u>	<u>C</u>
Brand	Product Category	Type	Refrigerant	Capacity	Width	Efficiency	Metering Device	Major Series	Coil Series	Orientation	Casing
T = Russell® By Rheem	C = Coil	F = Furnace Coil	Z = R-410A	24/25 = 24,000 BTU/H 36/37 = 36,000 BTU/H 48/49 = 48,000 BTU/H 60/61 = 60,000 BTU/H	14 = 14" 17 = 17.5" 21 = 21" 24 = 24.5"	S = Standard M = Medium H = High	T = TXV E = EEV	A = First	A = A-Coil N = N-Coil	M = Multipoise V = Vertical only/ Convertible	C = Cased

TXV Models Base Tier
TCFZ2414STAAMC
TCFZ2417MTANMC
TCFZ2417STANMC
TCFZ2421MTANMC
TCFZ3617STANMC
TCFZ3621MTAAMC
TCFZ3621MTANMC
TCFZ3621STANMC
TCFZ3624MTANMC
TCFZ4821STAAMC
TCFZ4821STANMC
TCFZ4824MTANMC
TCFZ4824STANMC
TCFZ6021STAAMC
TCFZ6024STANMC

TXV Models Mid Tier
TCFZ2517STANMC
TCFZ3717STANMC
TCFZ4921STANMC
TCFZ6124STANMC

EEV Models High Tier
TCFZ2421HEAAMC
TCFZ2417SEANMC
TCFZ2421HEANMC
TCFZ2421MEANMC
TCFZ3621MEAAMC
TCFZ3621MEANMC
TCFZ4821SEAAMC
TCFZ6021SEAAMC
TCFZ6024SEANMC

Coil Specifications/Airflow Pressure Drop

Coil Model (-)CFZ	Approx. Design Cooling Airflow Range CFM [L/s]	Face Area Sq. Ft. [m2]	Fins Per Inch/ Rows Deep	Width	Nominal Capacity		Wet Coil Static Pressure Drop (Inches W.C.) [kPa] @ CFM [L/s] – (Coil Only)													
							600 [283]	700 [330]	800 [378]	900 [425]	1000 [472]	1100 [519]	1200 [566]	1300 [614]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]
(-)CFZ2414S*	525/900 [248/425]	4.56 [0.42]	16/2	14	1.5	-2	0.171 [42]	0.221 [55]	0.278 [69]	0.342 [85]	0.412 [103]	—	—	—	—	—	—	—	—	
(-)CFZ2417S	525/900 [248/425]	4.56 [0.42]	16/2	17			0.115 [29]	0.150 [37]	0.189 [47]	0.232 [58]	0.279 [69]	—	—	—	—	—	—	—	—	—
(-)CFZ2417M	525/900 [248/425]	5.70 [0.52]	16/2				0.112 [28]	0.144 [36]	0.180 [45]	0.220 [55]	0.264 [66]	0.312 [78]	0.364 [91]	0.420 [105]	—	—	—	—	—	—
(-)CFZ3617S	800/1200 [378/566]	5.70 [0.52]	16/2	21	2.5	-3	0.112 [28]	0.144 [36]	0.180 [45]	0.220 [55]	0.264 [66]	0.312 [78]	0.364 [91]	0.420 [105]	0.480 [119]	—	—	—	—	
(-)CFZ2421M	525/900 [248/425]	5.70 [0.52]	16/2		1.5	-2	0.112 [28]	0.144 [36]	0.180 [45]	0.220 [55]	0.264 [66]	0.312 [78]	0.364 [91]	0.420 [105]	—	—	—	—	—	
(-)CFZ2421H	525/900 [248/425]	8.55 [0.79]	16/2				0.062 [15]	0.086 [21]	0.112 [28]	0.140 [35]	0.170 [42]	0.202 [50]	0.236 [59]	0.272 [68]	0.309 [77]	0.349 [87]	0.391 [97]	0.434 [108]	—	—
(-)CFZ2421H*	525/900 [248/425]	7.60 [0.70]	13/3				0.043 [11]	0.060 [15]	0.081 [20]	0.105 [26]	0.130 [32]	0.157 [39]	0.186 [46]	0.217 [54]	0.250 [62]	0.285 [71]	0.322 [80]	0.361 [90]	0.402 [100]	0.444 [111]
(-)CFZ3621S	800/1200 [378/566]	5.70 [0.52]	16/2		2.5	-3	0.112 [28]	0.144 [36]	0.180 [45]	0.220 [55]	0.264 [66]	0.312 [78]	0.364 [91]	0.420 [105]	0.480 [119]	—	—	—	—	
(-)CFZ3621M	800/1300 [378/614]	8.55 [0.79]	16/2				0.062 [15]	0.086 [21]	0.112 [28]	0.140 [35]	0.170 [42]	0.202 [50]	0.236 [59]	0.272 [68]	0.309 [77]	—	—	—	—	—
(-)CFZ3621M*	800/1300 [378/614]	7.60 [0.70]	13/3				0.043 [11]	0.060 [15]	0.081 [20]	0.105 [26]	0.130 [32]	0.157 [39]	0.186 [46]	0.217 [54]	0.250 [62]	0.285 [71]	0.322 [80]	0.361 [90]	0.402 [100]	0.444 [111]
(-)CFZ4821S	1200/1600 [566/755]	8.55 [0.79]	16/2		3.5	-4	0.062 [15]	0.086 [21]	0.112 [28]	0.140 [35]	0.170 [42]	0.202 [50]	0.236 [59]	0.272 [68]	0.309 [77]	0.349 [87]	0.391 [97]	0.434 [108]	0.480 [119]	—
(-)CFZ4821S*	1200/1600 [566/755]	7.60 [0.70]	13/3				0.043 [11]	0.060 [15]	0.081 [20]	0.105 [26]	0.130 [32]	0.157 [39]	0.186 [46]	0.217 [54]	0.250 [62]	0.285 [71]	0.322 [80]	0.361 [90]	0.402 [100]	0.444 [111]
(-)CFZ6021ST*	1400/1800 [661/850]	7.60 [0.70]	13/3		5		0.000 [0]	0.007 [2]												

[] Designates Metric Conversions

Coil Specifications/Airflow Pressure Drop (Con't.)

Coil Model (-)CFZ	Approx. Design Cooling Airflow Range CFM [L/s]	Face Area Sq. Ft. [m2]	Fins Per Inch/ Rows Deep	Width	Nominal Capacity		Dry Coil Static Pressure Drop (Inches W.C.) [kPa] @ CFM [L/s] – (Coil Only)														
							600 [283]	700 [330]	800 [378]	900 [425]	1000 [472]	1100 [519]	1200 [566]	1300 [614]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]	
(-)CFZ2414S*	600/1200 [283/566]	4.56 [0.42]	16/2	14	1.5	-2	0.121 [30]	0.160 [40]	0.205 [51]	0.256 [64]	0.312 [78]	0.373 [93]	0.441 [110]	0.514 [128]	—	—	—	—	—	—	
(-)CFZ2417S	600/1200 [283/566]	4.56 [0.42]	16/2	17			0.097 [24]	0.128 [32]	0.163 [41]	0.202 [50]	0.245 [61]	0.292 [73]	0.343 [85]	0.398 [99]	—	—	—	—	—	—	—
(-)CFZ2417M	600/1200 [283/566]	5.70 [0.52]	1716/2				0.107 [27]	0.137 [34]	0.171 [42]	0.209 [52]	0.251 [62]	—	—	—	—	—	—	—	—	—	—
(-)CFZ3617S	600/1300 [283/614]	5.70 [0.52]	16/2	21	2.5	-3	0.107 [27]	0.137 [34]	0.171 [42]	0.209 [52]	0.251 [62]	0.297 [74]	0.347 [86]	0.401 [100]	—	—	—	—	—	—	
(-)CFZ2421M	600/1200 [283/566]	5.70 [0.52]	16/2		1.5	-2	0.107 [27]	0.137 [34]	0.171 [42]	0.209 [52]	0.251 [62]	—	—	—	—	—	—	—	—	—	
(-)CFZ2421H	600/1200 [283/566]	8.55 [0.79]	16/2				0.039 [10]	0.056 [14]	0.075 [19]	0.095 [24]	0.117 [29]	—	—	—	—	—	—	—	—	—	
(-)CFZ2421H*	600/1600 [283/755]	7.60 [0.70]	13/3				0.041 [10]	0.053 [13]	0.066 [16]	0.080 [20]	0.096 [24]	0.115 [29]	0.135 [34]	0.158 [39]	0.182 [45]	—	—	—	—	—	
(-)CFZ3621S	600/1400 [283/661]	5.70 [0.52]	16/2		2.5	-3	0.107 [27]	0.137 [34]	0.171 [42]	0.209 [52]	0.251 [62]	0.297 [74]	0.347 [86]	0.401 [100]	—	—	—	—	—	—	
(-)CFZ3621M	600/1900 [283/897]	8.55 [0.79]	16/2				0.039 [10]	0.056 [14]	0.075 [19]	0.095 [24]	0.117 [29]	0.141 [35]	0.166 [41]	0.193 [48]	0.222 [55]	0.252 [63]	0.284 [71]	0.318 [79]	0.353 [88]	0.391 [97]	
(-)CFZ3621M*	600/1900 [283/897]	7.60 [0.70]	13/3				0.041 [10]	0.053 [13]	0.066 [16]	0.080 [20]	0.096 [24]	0.115 [29]	0.135 [34]	0.158 [39]	0.182 [45]	—	—	—	—	—	
(-)CFZ4821S	600/1900 [283/897]	8.55 [0.79]	16/2		3.5	-4	0.039 [10]	0.056 [14]	0.075 [19]	0.095 [24]	0.117 [29]	0.141 [35]	0.166 [41]	0.193 [48]	0.222 [55]	0.252 [63]	0.284 [71]	0.318 [79]	0.353 [88]	0.391 [97]	
(-)CFZ4821S*	600/1900 [283/897]	7.60 [0.70]	13/3				0.041 [10]	0.053 [13]	0.066 [16]	0.080 [20]	0.096 [24]	0.115 [29]	0.135 [34]	0.158 [39]	0.182 [45]	0.208 [52]	0.237 [59]	0.267 [66]	0.299 [75]	0.334 [83]	
(-)CFZ6021ST*	600/1900 [283/897]	7.60 [0.70]	13/3				0.000 [0]	0.000 [0]	0.016 [4]	0.040 [10]	0.065 [16]	0.089 [22]	0.113 [28]	0.137 [34]	0.162 [40]						

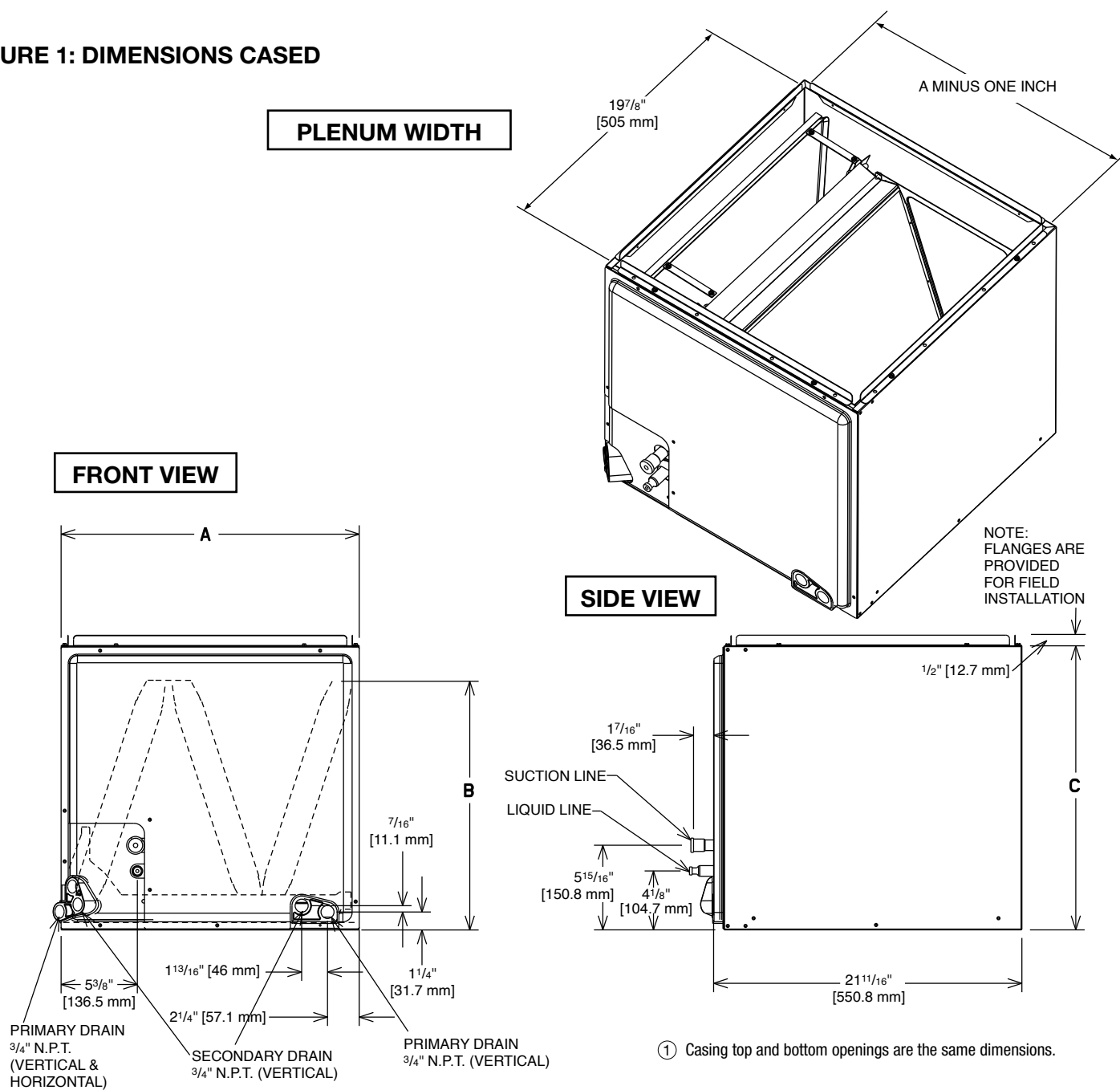
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Cased Coil Dimensions and Weights

Coil Model (-)CFZ	Connections I.D.		Cased Coil Dimensions (in) [mm]			Weight	
	Sweat (in.) [mm]		A	B	C	Coil Weight (lbs.) [Kg.]	Shipping Weight (lbs.) [Kg.]
	Liquid	Suction					
2414S*	3/8 [9.53]	3/4 [19.05]	14 [356]	20 1/16 [535]	23 3/16 [584]	45 [20]	49 [22]
2417S/2517S	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	14 1/2 [368]	20 [508]	43 [19]	48 [21]
2417M/3617S/3717S	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	17 [454]	20 [508]	49 [22]	54 [24]
2421M/3621S	3/8 [9.53]	3/4 [19.05]	21 [533]	17 1/2 [445]	20 [508]	51 [23]	57 [25]
2421H/3621M/4821S/4921S	3/8 [9.53]	7/8 [22.23]	21 [533]	25 [657]	28 [711]	71 [32]	78 [35]
3624M/4824S	3/8 [9.53]	7/8 [22.23]	24 1/2 [622]	25 [645]	32 [812]	83 [38]	93 [42]
4824M/6024S/6124S	3/8 [9.53]	7/8 [22.23]	24 1/2 [622]	30 1/4 [768]	32 [812]	100 [45]	110 [50]
2421H*/3621M*/4821S*/6021S*	3/8 [9.53]	7/8 [22.23]	21 [533]	33 [838]	34 1/2 [876]	76 [34]	86 [37]

* = "A" Coil

FIGURE 1: DIMENSIONS CASED



Coil Application

Coils can be matched to heating products as listed in table below.

Coil Model (-)CFZ	Furnace Width (In.) (mm)	
	Oil*	Gas
2414S 2417S/2417M/2517S 3617S/3717S	—	14 [356]
2417S/2417M/2517S 3617S/3717S	17 [431]	17½ [444]
		14 [356]
2421M 2421H/3621S/3621M / 4821S/4921S/6021S	21 [533]	21 [533]
		17½ [444]
3624M 4824S/4824M/6024S 6024H/6124S	24½ [622]	24½ [622]
		21 [533]

*Due to the proximity of the drain pan to the high temperature oil furnace drum, horizontal left application is NOT permitted on all oil furnaces.

Accessories

• PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 24½" wide cased indoor cooling and heat pump coils. This allows a 24½" wide cased coil to be installed on a 28" wide oil furnace. This is a field-installed accessory only.

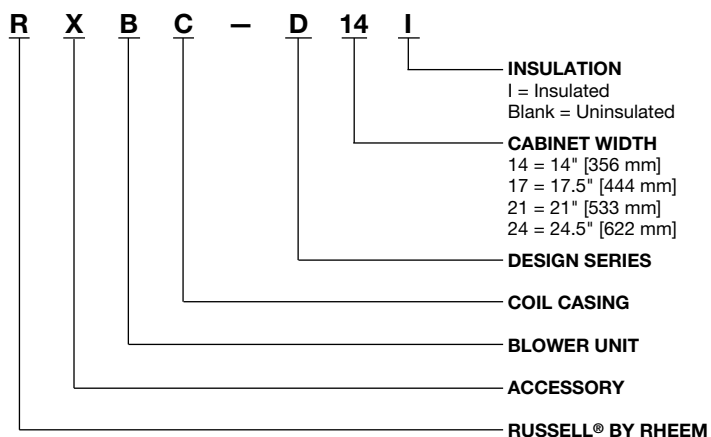
• RXBA-AC (Upflow/Horizontal)

These plenum adapter accessories are for use when a cooling coil is matched with a gas furnace of one smaller size.

• HORIZONTAL ADAPTER KIT RXHH (See Figure 2)

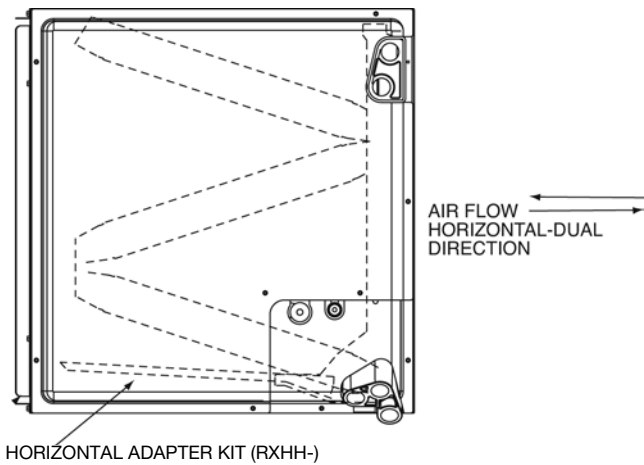
This horizontal adapter kit is used to convert a upflow or downflow coil (*VUA) for a horizontal application. See Table 4 to order the proper horizontal adapter kit.

• INDOOR COIL CASING- RXBC (See Table 5)



Accessories (Con't.)

FIGURE 2: HORIZONTAL ADAPTER KIT ILLUSTRATION



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Unit Dimensions and Weights

RXBC Indoor Coil Casings

Model Number	Width (in.) [mm]	Height (in.) [mm]	Depth (in.) [mm]	Unit Weight		Supply Air/Return Air Openings	
				Weight (lbs.) [Kg.]	Ship. Wt. (lbs.) [Kg.]	Width (in.) [mm]	Depth (in.) [mm]
RXBC-D14AI	14 [356]	23 ³ / ₁₆ [589]	21 ⁵ / ₈ [549]	19 [9]	23 [10]	13 [330]	19 ³ / ₃₂ [508]
RXBC-D17AI	17 ¹ / ₂ [445]	20 [508]		18 [8]	23 [10]	16 ¹ / ₂ [419]	
RXBC-D21AI	21 [533]	20 [508]		20 [9]	26 [12]	20 [508]	
RXBC-D21BI	21 [533]	28 [711]		27 [12]	36 [17]	20 [508]	
RXBC-D24AI	24 ¹ / ₂ [622]	32 ¹ / ₂ [826]		34 [16]	44 [20]	23 ¹ / ₂ [597]	



GENERAL TERMS OF LIMITED WARRANTY*

Russell® By Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Conditional Parts
(Registration Required)..... Ten (10) Years

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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