



# R-454B COMMERCIAL

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## ALL PRODUCTS GUIDE



## PACKAGED UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® (SE) PREMIER SERIES

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- Sizes ½-ton to 1½-ton, single-stage compressors, up to 28 EER
- Sizes 2- to 6-ton, two-stage compressors, up to 36 EER
- Variable speed ECM fan motor
- Horizontal, vertical upflow and downflow units
- vFlow® unit integrated modulating water valve or variable speed pump



### TRANQUILITY® 24 (SZ) VERSATILE TWO-STAGE SERIES

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- 2- to 5-ton units
- Up to 29 EER
- Two-stage compressor
- Variable speed ECM fan motor
- Horizontal and vertical upflow units
- vFlow® unit integrated modulating water valves or variable speed pumps



### TRANQUILITY® 24 (SY) COMPACT TWO-STAGE SERIES

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- 2 to 5-ton units
- Up to 29 EER
- Two-stage compressor
- Variable speed ECM fan motor
- Horizontal and vertical upflow units

## PACKAGED UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® 18 (SR) VERSATILE SINGLE-STAGE SERIES

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- ½- to 5-ton units
- Up to 26 EER
- Many factory options - Hot Gas Reheat, Water Side Economizer, water valves, auto flow regulators
- Horizontal and vertical upflow units
- PSC, Constant Torque or Constant Volume EC fan motors



### TRANQUILITY® 18 (SC) COMPACT SINGLE-STAGE

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- ½- to 5-ton units
- Up to 26 EER
- Ideal product for replacement applications
- Horizontal and vertical upflow units
- PSC, Constant Torque or Constant Volume EC fan motors



### TRANQUILITY® (SB) COMPACT HIGH-CAPACITY SERIES

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- 6- to 25-ton units
- Dual refrigeration for staged operation
- Variable Frequency Drive (VFD)
- Motorized and modulating (vFlow) water flow control options (vertical only units)
- Optional Waterside Economizer

## VERTICAL STACK UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® (SM) VERTICAL STACK SERIES

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- ½- to 3-ton units
- iGate® 2 advanced startup and commissioning controls
- Removable chassis
- vFlow® unit integrated modulating water valve
- Constant Torque or Constant Volume EC fan motors

## ROOFTOP UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® (ST) ROOFTOP SERIES

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- 3- to 6-ton units, two-stage compressors
- 8- to 25-ton units, dual refrigeration circuits
- iGate® 2 advanced startup and commissioning controls
- Direct drive EC plug fan motors
- vFlow® variable speed water pumping or modulating water valve

## CONSOLE UNIT: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® (SD) CONSOLE SERIES

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- ¾- to 1½-ton units
- Constant Torque (CT) EC fan motors
- Field convertible water connections
- vFlow® unit integrated modulating water valve

## WATER-TO-WATER UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® WATER-TO-WATER (SW) SERIES

- 3- to 10-ton units
- Two-stage compressors on 3- and 5-ton sizes
- vFlow® modulating water valves
- vFlow® Source and Load side variable speed water pumps

### UNIT FEATURES

	Product Line			Product Feature																																		
				Controls			Comp		Fan Motors				Water Heat Exchangers		Air Heat Exchangers			Water Flow Control			Config Cabinetry		Reheat	WSE	Hybrid	Servicing	Air Filters											
	iGate® 2 Communicating CXM2 Controls	iGate® 2 Communicating DXM2.5 Controls	MPC Building Management (BacNet) Controls	Single Stage Compressor	Two-Stage Compressor	Dual Refrigeration Crircuit	PSC Fan Motor	CT EC Fan Motor	CV EC Fan Motor	VFD Fan Controls	EC Plug Fan Motor	Belt Drive Fan Motor	Copper Water Coil	Cupro Nickel Water Coil	Brazed Plate Water Coil	Copper Tube, Alluminum Fin	Tin-Plated - Copper Tube, Alluminum Fin	Microchannel	E-Coated	Motorized Water Vavle	Auto-flow Regulator	vFlow Modulating Water Vavle	vFlow Variable Speed Water Pump	Internal Water Pump	Down Flow Configuration	UltraQuiet Package	Extended Range Insulation	Modulating HGRH	On/Off HGRH	Water Side Economizer	Hybrid	Power Disconnect	1"	2"	4"			
SC	S	O	O	S			S	O	O			S	O		S											O	O							S	O			
SR	S	O	O	S			S	O	O			S	O		S					O	O			O		O	O			O		O		O	S	O		
SY		S	O		S				S			S	O		S											O	O								S	O		
SZ		S	O		S				S			S	O		S	O	O					O	O			O	O						O		S	O		
SE		S	O	S¹	S¹				S			S	O		S	O	O					O	O		O	O	O	O						O		S	O	
SB	S		O		S					O		S	S	O		S			O	O		O				O	O				O			O	S	O		
SM	S	O	O	S				S	O			S	O		S					O	O	O		O		O	O				O			O	S	O		
SD	S		O	S			S	O				S	O		S					O	O	O		O		O	O						O		S	O		
SW	S³	S³	O		S										S							O	O			O	S						O					
ST		S	O		S²	S²					S	S	O		S					O		O	O	O		O	O						O	S	O	O		

- S = Standard
- O = Optional
- 1 = Sizes 6-18 are single stage, sizes 24-72 are two-stage
- 2 = Sizes 3-6 ton are two-stage, sizes 96-240 are dual refrigeration circuits
- 3 = Sizes 3 and 5 ton, DXM2.5 is standard, on size 10 ton the CXM2 is standard



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