



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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- 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
- Optional vFlow® unit integrated modulating water valve or variable speed pump
- Optional ClimaDry® II Reheat



### 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
- Optional 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 valves, auto flow regulators
- Horizontal and vertical upflow units
- PSC, Constant Torque or Constant Volume EC fan motors



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

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



### TRANQUILITY® (SL) LOW-PROFILE SERIES

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- ½ to 1¼-ton units
- Low 9" height cabinet design
- ECM constant torque fan motor
- Brazed-plate heat exchanger
- Integrated sound reducing attenuator box
- Stainless steel drain pan

## PACKAGED UNITS: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS

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



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

### TRANQUILITY® (SB) COMPACT HIGH-CAPACITY W/ HGRH



- 6 to 25-ton units
- Direct-drive variable speed EC plenum fans
- Dual refrigeration circuits for staged operation
- Standard vFlow® modulating water control
- Hot Gas Reheat (HGRH)
- Vertical configuration only

## 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
- Optional vFlow® unit integrated modulating water valve
- Optional Constant Torque or Constant Volume EC fan motors
- 65" ducted, 80" or 88" non-ducted cabinets

## 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 variable speed EC plenum fans
- Optional vFlow® variable speed water pumping or modulating water valve
- Optional ClimaDry® II Reheat

## CONSOLE UNIT: EXCEED ASHRAE 90.1 EFFICIENCY REQUIREMENTS



### TRANQUILITY® (SD) CONSOLE SERIES

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- ¾ to 1½-ton units
- Optional Constant Torque (CT) EC fan motors
- Bottom, Front, or Chassis-Only Configuration
- Optional vFlow® unit integrated modulating water valve
- Unit mounted or remote mounted thermostat options

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



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

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- 3 to 10-ton units
- Brazed-plate heat exchangers
- Two-stage compressors on 3- and 5-ton sizes
- Optional vFlow® modulating water valves
- Optional internal disconnects and hot water generator



### **TRANQUILITY® WATER-TO-WATER (SWT) SERIES**

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- 20 to 80-ton units
- Dual refrigeration circuits for staged operation
- Compact footprint goes through doors and elevators for retrofit applications
- Rear, flanged water connections
- Digital controls with BMS integration
- Reversible heat pump operation

# UNIT FEATURES

Product Line	Product Feature																																		
	Controls			Comp		Fan Motors				Water Heat Exchangers		Air Heat Exchangers			Water Flow Control				Config Cabinetry		Reheat	WSE	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 Circuit	PSC Fan Motor	CTEC 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, Aluminum Fin	Tin-Plated - Copper Tube, Aluminum Fin	Microchannel	Coated Coil	Motorized Water Valve	Auto-flow Regulator	vFlow Modulating Water Valve	vFlow Variable Speed Water Pump	Internal Water Pump	Down Flow Configuration	UltraQuiet Package	Extended Range Inulation	Climadry® II Reheat	On/Off HGRH	Water Side Economizer	Power Disconnect	1"	2"	4"	
SC	S	O	O	S			S	O	O			S	O			S		O							O	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	
SL	S		O	S			S							S	S				O	O	O				O					O		S	O		
SY		S	O		S			S				S	O			S		O								O	O					S	O		
SZ		S	O		S			S				S	O			S	O	O	O			O	O			O	O				O		S	O	
SE		S	O	S <sup>1</sup>	S <sup>1</sup>			S				S	O			S	O	O	O		O	O			O	O	O	O			O		S	O	
SB	S	S <sup>3</sup>	O		S				O	S <sup>3</sup>	S	S	O			S		O	O	O	O				O	O		S <sup>3</sup>	O		O		S	O	
SM	S	O	O	S			S	O				S	O			S			O	O	O			O		O	O				O		S	O	
SD	S		O	S			S	O				S	O			S			S	O	O	O		O		O	O				O		S	O	
SW		S	O		S <sup>4</sup>	S <sup>4</sup>								S							O				O	S				O					
SWT	OptiCORE			S		S								S						S					O	S									
ST	S	S	O		S	S <sup>2</sup>				S		S	S			S			O	O	O	O	O		S	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 = SB Revision C Vertical with HGRH
- 4 = Sizes 3 & 5 ton are two-stage, size 120 is dual refrigeration circuits



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