

### RTHB 215-450

**Helirotor® Compressor  
Liquid Chillers  
620 to 1370 kW**



- Dual helirotor compressor, with integral oil separator and economiser:
  - High energy efficiency: 4.9 to 5.6 kW/kW under nominal conditions.
- Sophisticated hermetic, liquid refrigerant cooled motor.
- Continuous capacity control:
  - Reduced number of starts.
  - Precise chilled water temperature control.
- High efficiency heat exchange surfaces, cleanable water paths:
  - Compact design.
  - Simplified maintenance work.
- Advanced microprocessor based Adaptive Control™ module. Clear Language Display operator interface. Trane ICS capability.
- Refrigerant R22.

Model	Nominal Cooling Capacity (1)		Overall Dimensions L x W x H (mm)		Operating Weight (kg)	
	R22 (kW)	R22 (kW)				
	S.E.	H.E.	S.E.	H.E.	S.E.	H.E.
RTHB 215	625	640	2759 x 1130 x 1810	3521 x 1130 x 1810	3390	3820
RTHB 255	802	836	2780 x 1273 x 1965	3542 x 1273 x 1965	4800	5370
RTHB 300	901	938	2780x 1273 x 1965	3542 x 1273 x 1965	4840	5425
RTHB 380	1167	1218	2994 x 1491 x 2059	3756 x 1491 x 2059	7080	7790
RTHB 450	1309	1363	2994 x 1491 x 2059	3756 x 1491 x 2059	7140	7870

(1) At 7°C leaving chilled water temperature, 35°C leaving condenser water temperature.  
S.E. = Standard Efficiency, H.E. = High Efficiency version (long shell heat exchangers).

### RTHC B1-E3

**Helirotor® Compressor  
Liquid Chillers  
550 to 1600 kW**



- New dual helirotor compressor, with continuous capacity control:
  - High energy efficiency up to 7.0 kW/kW under nominal conditions.
- Noise level reduced compared to the former generation.
- High reliability.
- Reduced maintenance: Only one oil analysis a year.
- Advanced microprocessor based Adaptive Control™ module. Clear Language Display operator interface. Trane ICS capability.
- Refrigerant R134a.

Model	Nominal Cooling Capacity (1)		Overall Dimensions L x W x H (mm)		Operating Weight (kg)	
	R134a (kW)	R134a (kW)				
	S.E.	H.E.	S.E.	H.E.	S.E.	H.E.
RTHC B1	550	650	3160 x 1320 x 1760	3160 x 1320 x 1760	4260	4340
RTHC B2	600	700	3160 x 1320 x 1760	3160 x 1320 x 1760	4315	4425
RTHC C1	800	900	3300 x 1575 x 1975	3300 x 1575 x 1975	6535	6715
RTHC C2	850	950	3075 x 1575 x 1975	3300 x 1575 x 1975	6500	6920
RTHC D1	980	1150	3100 x 1575 x 2000	3550 x 1855 x 2145	6700	9450
RTHC D2	1100	1250	3100 x 1575 x 2000	3550 x 1855 x 2145	6850	9500
RTHC D3	1160	1350	3100 x 1575 x 2000	3550 x 1855 x 2145	6850	9500
RTHC E3	1360	1560	3410 x 1830 x 2145	4015 x 2040 x 2225	8065	12385

(1) At 7°C leaving chilled water temperature, 35°C leaving condenser water temperature.  
S.E. = Standard Efficiency, H.E. = High Efficiency version (long shell heat exchangers).