

Model #: 30RBF15064-L-7-C  
Serial #: 1716Q83935

2016  
150 Ton



# Product Data

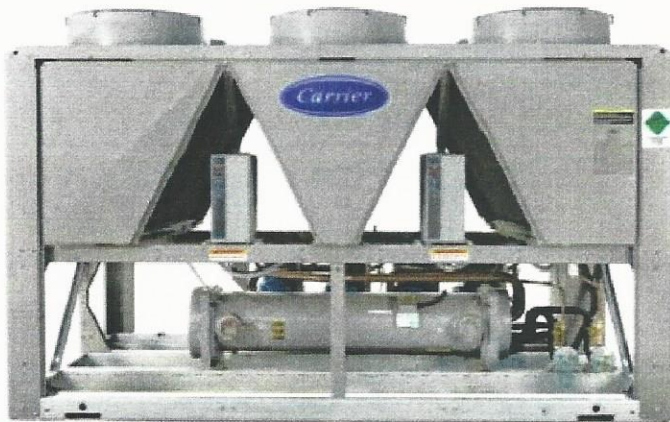
## AquaSnap®

### Air-Cooled Chillers

60 to 300 Nominal Tons

L: 15' 9"  
W: 7' 4"  
H: 7' 6"

Operating Weight: 8,517



30RB060-300 Air-Cooled Chillers and  
30RB080-300 Air-Cooled Chillers with  
Greenspeed® Intelligence

# Model number nomenclature



**30RB F 150 6 4 - L - 7 - C**

**30RB** – Air-Cooled AquaSnap® Chiller

**Design Series**

**Nominal Sizes**

060	110	170	275
070	120	190	300
080	130	210	
090	150	225	
100	160	250	

**Voltage**

- 1 – 575-3-60\*
- 5 – 208/230-3-60
- 6 – 460-3-60**

**Condenser Coil Options**

- – Aluminum Fin/Copper Tube
- 0 – Copper Fin/Copper Tube
- 1 – Aluminum Pre-Coat Fin/Copper Tube
- 2 – Aluminum E-Coat Fin/Copper Tube
- 3 – Copper E-Coat Fin/Copper Tube
- 4 – Microchannel (MCHX)**
- 5 – E-Coat, Microchannel (MCHX)

**Hydronics Option†**

- – No Pump Installed
- 0 – Single Pump, 3 HP\*
- 1 – Single Pump, 5 HP\*
- 2 – Single Pump, 7.5 HP\*
- 3 – Single Pump, 10 HP\*
- 4 – Single Pump, 15 HP\*
- 6 – Dual Pump, 3 HP\*
- 7 – Dual Pump, 5 HP\*
- 8 – Dual Pump, 7.5 HP, Low Head\*
- 9 – Dual Pump, 7.5 HP, High Head\*
- B – Dual Pump, 10 HP\*
- C – Dual Pump, 15 HP\*
- Z – Special order designation

**Cooler Options**

- 0 – Integral Cooler, Cooler Heater, CRN (Canada)
- 5 – Integral Cooler, Cooler Heater, Microchannel (MCHX), CRN (Canada)
- H – Integral Cooler, Cooler Heater, no CRN
- L – Integral Cooler, Cooler Heater, Microchannel (MCHX), no CRN**

**LEGEND**

- CRN – Canadian Registration Number
- ETO – Engineered to Order
- MCHX – Microchannel Condenser Coil
- SCCR – Short Circuit Current Rating
- XL – Across-the-Line Start

\*Available as ETO option.

†Hydronic pumps not available on units 30RB060-190 with high SCCR option.

NOTE: A "Z" in position 11 indicates a special order machine. Digits following do not correspond to tables.

**Packaging/Security Options**

- L – No Packaging
- 0 – Skid
- 1 – Skid, Top Crate, Bag
- 3 – Coil Trim Panels
- 4 – Skid, Coil Trim Panels
- 5 – Skid, Top Crate, Bag, Coil Trim Panels
- 7 – Coil Trim Panels, Upper and Lower Grilles
- 8 – Skid, Coil Trim Panels, Upper and Lower Grilles
- 9 – Skid, Top Crate, Bag, Coil Trim Panels, Upper and Lower Grilles
- C – Trim Panels, Upper and Lower Grilles, Upper Hall Guards**
- D – Skid, Trim Panels, Upper and Lower Grilles, Upper Hall Guards
- F – Skid, Top Crate, Bag, Trim Panels, Upper and Lower Grilles, Upper Hall Guards
- H – Skid, Full End Covers
- J – Skid, Top Crate, Bag, Full End Covers
- K – Full End Covers

**Controls/Communication Options**

- – None
- 3 – BACnet Communication

**Electrical/Low Sound/High SCCR Options**

- – Single Point Power Connections, XL, Terminal Block
- 7 – Single Point Power Connections, XL, Non-Fused Disconnect**
- 8 – Single Point Power Connections, XL, Non-Fused Disconnect, High SCCR
- G – Single Point Power Connections, XL, Terminal Block, Cmpr Blankets
- L – Single Point Power Connections, XL, Non-Fused Disconnect, Cmpr Blankets
- M – Single Point Power Connections, XL, Non-Fused Disconnect, Cmpr Blankets, High SCCR
- Q – Single Point Power Connections, XL, Terminal Block, Cmpr Blankets, Cmpr Enclosures
- V – Single Point Power Connections, XL, Non-Fused Disconnect, Cmpr Blankets, Cmpr Enclosures
- W – Single Point Power Connections, XL, Non-Fused Disconnect, Cmpr Blankets, Cmpr Enclosures, High SCCR

**Refrigeration Circuit Options**

- – None
- 0 – Suction Line Insulation
- 1 – Suction Service Valves
- 3 – Suction Line Insulation, Suction Service Valves
- B – Low Ambient Head Pressure Control Operation, Minimum Load Control
- D – Suction Line Insulation, Head Pressure Control, Minimum Load Control
- F – Suction Service Valves, Head Pressure Control, Minimum Load Control
- G – Suction Line Insulation, Suction Service Valves, Low Ambient Head Pressure Control, Operation, Minimum Load Control Operation
- H – Suction Service Valves, High-Efficiency Variable Condenser Fans
- J – Suction Line Insulation, Suction Service Valve, High-Efficiency Variable Condenser Fans
- K – High-Efficiency Variable Condenser Fans
- L – Suction Line Insulation, High-Efficiency Variable Condenser Fans
- M – Suction Service Valves, High-Efficiency Variable Condenser Fans, Minimum Load Control Operation
- N – Suction Line Insulation, Suction Service Valve, High-Efficiency Variable Condenser Fans, Minimum Load Control Operation
- P – High-Efficiency Variable Condenser Fans, Minimum Load Control Operation
- Q – Suction Line Insulation, High-Efficiency Variable Condenser Fans, Minimum Load Control Operation

## Quality Assurance

ISO 9001: 2008-certified processes



# Physical data



## 30RB060-300 — ENGLISH

UNIT 30RB	060	070	080	090	100	110	120	130	150
<b>OPERATING WEIGHT (lb)*</b>									
Al-Cu Condenser Coil	4,111	4,317	4,600	5,932	6,155	6,519	7,690	8,045	9,174
Cu-Cu Condenser Coil	4,593	4,799	5,082	6,656	6,879	7,243	8,534	9,010	10,139
MCHX Condenser Coil	3,783	3,978	4,267	5,449	5,663	6,027	7,119	7,402	8,517
<b>REFRIGERANT TYPE</b>									
R-410A, EXV Controlled System									
Refrigerant Charge (lb)	89.5/40.5/	112/40.5/	68.5/68.5/	94/76/—	94/96/—	94/106/—	94/133/—	133/106/—	133/133/—
Std Coil, Ckt A/Ckt B/Ckt C	—	—	—	40/40/—	40/42/—	40/53/—	43/57/—	54/43/—	56/62/—
MCHX Coil, Ckt A/Ckt B/Ckt C	40/20/—	40/20/—	33/33/—						
<b>COMPRESSORS</b>									
Scroll, Hermetic									
Quantity	3	3	4	4	4	5	5	6	6
Speed (rpm)	3500								
(Qty) Compressor Model Number Ckt A	(2) SH240	(2) SH295	(2) SH240	(2) SH295	(2) SH295	(2) SH295	(2) SH295	(3) SH295	(3) SH295
(Qty) Compressor Model Number Ckt B	(1) SH240	(1) SH240	(2) SH240	(2) SH240	(2) SH295	(3) SH240	(3) SH295	(3) SH240	(3) SH295
(Qty) Compressor Model Number Ckt C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil Charge (Pt, Ckt A/Ckt B/Ckt C)	26.2/13.1/	29.2/13.1/	26.2/26.2/	29.2/26.2/	29.2/29.2/	29.2/39.4/	29.2/43.8/	43.8/39.4/	43.8/43.8/
	—	—	—	—	—	—	—	—	—
No. Capacity Steps									
Standard	3	3	4	4	4	5	5	6	6
Optional (Maximum)	4	4	5	5	5	6	6	7	7
Minimum Capacity Step (%)									
Standard	33	29	25	22	25	18	20	15	17
Optional	22	19	16	14	18	12	14	10	12
Capacity (%)									
Ckt A	67	71	50	56	50	45	40	56	50
Ckt B	33	29	50	44	50	55	60	44	50
Ckt C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>COOLER</b>									
Direct Expansion, Shell and Tube Type									
Weight (empty, lb)	715	715	856	856	856	970	970	970	1518
Net Fluid Volume (gal)	28.2	28.2	31.3	31.3	31.3	45.8	45.8	45.8	73.5
Maximum Refrigerant Pressure (psig)	445	445	445	445	445	445	445	445	445
Maximum Water-Side Pressure without Pumps (psig)	300	300	300	300	300	300	300	300	300
Maximum Water-Side Pressure with Pumps (psig)	150	150	150	150	150	150	150	150	150
<b>COOLER WATER CONNECTIONS (in.)</b>									
Inlet and Outlet, Victaulic	4	4	4	4	4	6	6	6	6
Drain (NPT)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
<b>CONDENSER FANS</b>									
Shrouded Axial Type, Vertical Discharge									
Standard Low Noise Type									
Fan Speed (rpm) Standard	1140	1140	1140	1140	1140	1140	1140	1140	1140
No. Blades...Diameter (in.)	9...30	9...30	9...30	9...30	9...30	9...30	9...30	9...30	9...30
No. Fans (Ckt A/Ckt B/Ckt C)	3/1/—	3/1/—	2/2/—	3/3/—	3/3/—	3/3/—	3/4/—	4/4/—	4/4/—
<b>CONDENSER COILS</b>									
No. Coils (Ckt A/Ckt B/Ckt C)	3/1/—	3/1/—	2/2/—	3/3/—	3/3/—	3/3/—	3/4/—	4/4/—	4/4/—
Total Face Area (sq ft)	94	94	94	141	141	141	164	188	188
Max Working Refrigerant Pressure (psig)	656	656	656	656	656	656	656	656	656
<b>HYDRONIC MODULE (Optional)</b>									
Pump	Pump(s) with pressure/temperature taps and combination valve.								
	Single or Dual, 1800 or 3600 rpm								
<b>CHASSIS DIMENSIONS (ft-in.)</b>									
Length	7-11			11-10			15-9		
Width	7-425/32								
Height	7-67/16								

**LEGEND**

Al-Cu — Aluminum Fin/Copper Tube Condenser Coil  
 Cu-Cu — Copper Fin/Copper Tube Condenser Coil  
 EXV — Electronic Expansion Valve  
 MCHX — Microchannel Condenser Coil  
 N/A — Not Applicable

\*Operating weight does not include any options.

**NOTES:**

- 30RB chillers with Greenspeed® intelligence are not available in unit sizes 060 and 070.
- No pumps are available for unit sizes 210-300 or 060-190 with high SCCR option.