

SUBMITTAL

Project

BRCC Chillers

Date

Friday, May 10, 2019

General Contractor

Mechanical Contractor

Mechanical Engineer

Table Of Contents

Project: BRCC Chillers Prepared By: 05/10/2019 10:23AM

4
6
7
11
12
13
14
15
19
20
2 ²
22
23

50 Ton

Tag Cover Sheet
Unit Report
Certified Drawing
Wiring Diagram
Detailed Performance Report

Unit Report For 50 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Information

Tag Name:	50 Ton	
Model Number:		
Condenser Type:	Air Cooled	
Compressor Type:		
Nameplate Voltage:	460-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
	R410A	
Independent Refrigerant Ci		
Capacity Control Steps:		
Minimum Capacity:	14.5	%
Shipping Weight:	2588	lb
Operating Weight:	2383	lb
Unit Length:	89	in
Unit Width:	93	in
Unit Height:	79	in

Accessories and Installed Options

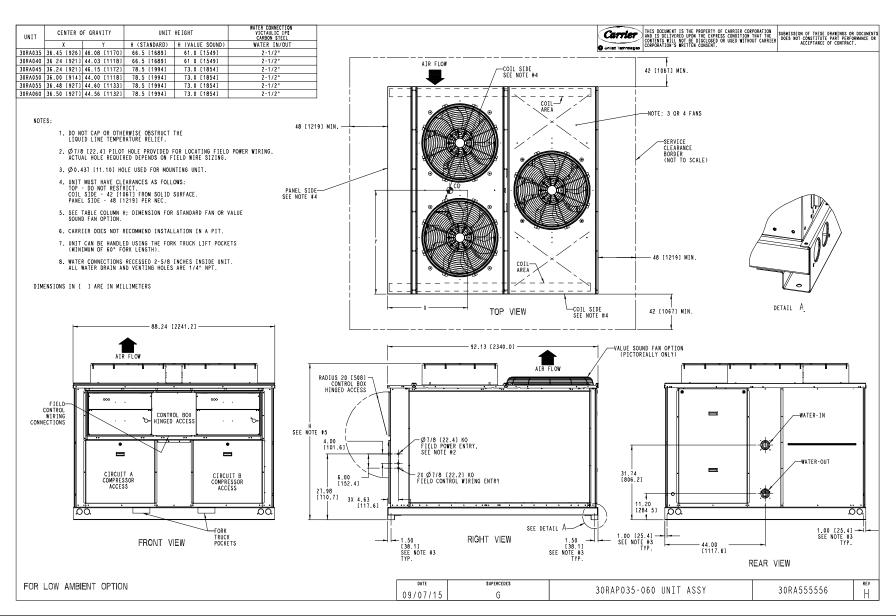
Evaporator Heater Non-Fused Disconnect Micro Channel Low Sound Hot Gas Bypass Low Ambient Head Pressure Control Security Grilles/Hail Guards **BACnet Communications** Single Point Fixed Speed Condenser Fan

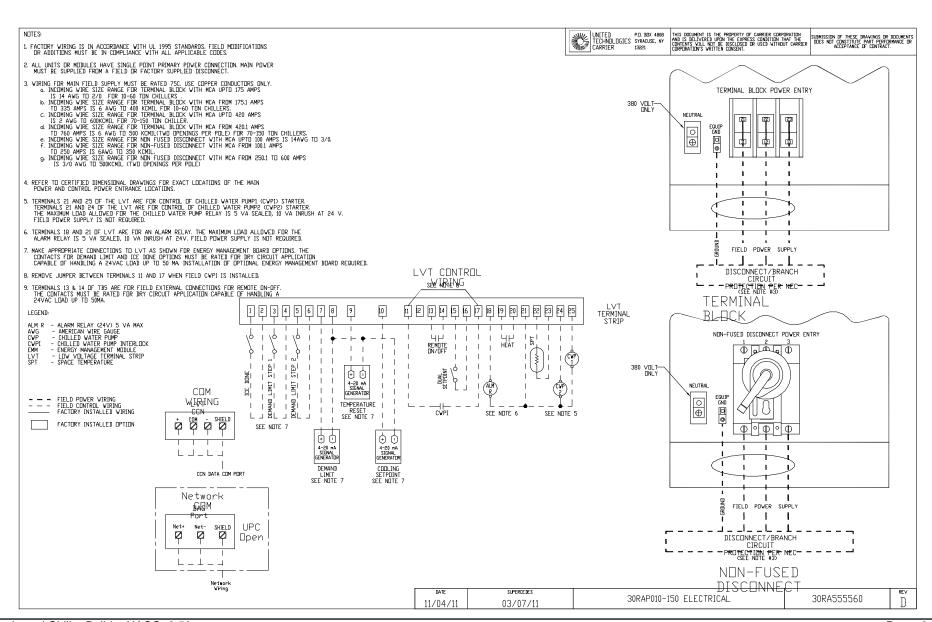
Chiller Warranty Information (Note: for US & Canada only)

First Year - Parts Only (Standard) Start-Up with 1st Year Carrier CCS Labor - 1st Unit Compressor Years 2-5 Parts Only

Ordering Information

Part Number	Description	Quantity
30RAP0506D-07F14	Packaged Chiller	1
	Base Unit	
	Evaporator Heater	
	Non-Fused Disconnect	
	Micro Channel	
	Low Sound	
	Hot Gas Bypass	
	Low Ambient Head Pressure Control	
	Security Grilles/Hail Guards	
	BACnet Communications	
	Single Point	
	Fixed Speed Condenser Fan	





Project: BRCC Chillers Prepared By:





AquaSnap™ Air-Cooled Scroll Chiller



Unit Information

Tag Name:	50 Ton	
Model Number:	30RAP050	
Condenser Type:	Air Cooled	
Compressor Type:	Scroll	
Nameplate Voltage:	460-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source: Charlotte	e, NC USA	
ASHRAE 90.1: 2013/2016, 2		
Refrigerant:	R-410A	
Capacity Control Steps:		
Minimum Capacity:		
Shipping Weight:		
Operating Weight:	2383	lb
Refrigerant Weight (Circuit A):	18	lb
Refrigerant Weight (Circuit B):	18	lb
Unit Length:	89	in
Unit Width:	93	in
Unit Height:		
Minimum Outdoor Operating Tem		
Chiller Pressure Drop*:	12.6	ft H2O
*Llos Chiller Proceure Drop for oiz	ina numna	This value

*Use Chiller Pressure Drop for sizing pumps. This value includes losses due to chiller piping, fittings, 40 mesh factory supplied strainer and BPHX.

Performance Information

Cooling Capacity:	47.99	Tons
Total Compressor Power:	52.35	kW
Total Fan Motor Power:	3.779	kW
Total Unit Power (without pump):	56.13	kW
Efficiency (without pump) (EER):	10.26	BTU/Wh

Evaporator Information

Fluid Type:	Fresh Water	
Fouling Factor:	0.000100	(hr-sqft-F)/BTU
Leaving Temperature:	44.00	°F
Entering Temperature:	54.00	°F
Fluid Flow:	114.7	gpm
Fluid Flow Min:	57.00	gpm
Fluid Flow Max:	228.0	gpm

Condenser Information

Altitude:	0.000	ft
Number of Fans:	3	
Total Condenser Fan Air Flow:3	0,500	CFM
Entering Air Temperature:	95.0	°F

Detailed Performance Summary For 50 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Integrated Pump Information

No Pump Selected

Accessories and Installed Options

Evaporator Heater Non-Fused Disconnect Micro Channel Low Sound Hot Gas Bypass Low Ambient Head Pressure Control Security Grilles/Hail Guards **BACnet Communications** Single Point

Fixed Speed Condenser Fan

Electrical Information

Unit Voltage:.... .460-3-60 V-Ph-Hz Connection Type: Single Point

	Electrical	Electrical
Amps	Circuit 1	Circuit 2
MCA	106.9	
MOCP	125.0	
ICF	228.0	
Rec Fuse Size	125.0	

Detailed Performance Summary For 50 Ton

Project: BRCC Chillers 05/10/2019
Prepared By: 10:23AM

Integrated Part Load Value (AHRI)

IPLV.IP:______15.30 BTU/Wh

Unit Performance				
Percent of Full Load Capacity, %	100.00	75.00	50.00	25.00
Percent of Full Load Power, %	100.00	55.83	30.23	17.35
Unloading Sequence	A	A	Α	A
Cooling Capacity, Tons	47.99	35.99	23.99	12.00
Total Unit Power, kW	56.13	31.33	16.97	9.739
Efficiency (EER), BTU/Wh	10.26	13.78	16.97	14.78
Evaporator Data				
Fluid Entering Temperature, °F	54.00	51.49	48.99	46.50
Fluid Leaving Temperature, °F	44.00	44.00	44.00	44.00
Fluid Flow Rate, gpm	114.7	114.7	114.7	114.7
Fouling Factor, (hr-sqft-F)/BTU	0.000100	0.000100	0.000100	0.000100
Condenser Data				
Entering Air Temperature, °F	95.0	80.0	65.0	55.0

For some 75% operating points, the efficiency may be calculated at a condenser inlet air operating temperature as much as 0.8 degrees higher.

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code 28731 and a non-corrosive localized environment.

Sound power measured in accordance with ANSI/AHRI Standard 370-2015.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

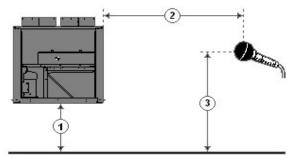
Detailed Performance Summary For 50 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Parameters

nit Parameters		
Tag Name:	50 Ton	
Model Number:	30RAP050	
Condenser Type:	Air Cooled	
Compressor Type:		
Chiller Nameplate Voltage:	460-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:	R-410A	
Shipping Weight:		lb
Operating Weight:		
Refrigerant Weight (Circuit A):	18	lb
Refrigerant Weight (Circuit B):	18	lb
Unit Length:		
Unit Width:	93	in
Unit Height:	79	in



- 1 Chiller Height Above Ground
- 2 Horizontal Distance From Chiller to Receiver
- 3 Receiver Height Above Ground (See Note 3)

Accessories and Installed Options

Evaporator Heater Non-Fused Disconnect Micro Channel Low Sound Hot Gas Bypass

Low Ambient Head Pressure Control Security Grilles/Hail Guards **BACnet Communications** Single Point Fixed Speed Condenser Fan

Acoustic Information

Table 1. A-Weighted Sound Power Levels (dB re 1 picowatt). See note #1.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	38	61	70	80	84	85	85	79	72	90
75% Load	39	61	70	80	85	86	85	79	70	91
50% Load	37	58	68	78	83	84	83	77	67	89
25% Load	37	59	68	78	83	84	83	77	68	89

Table 2. A-Weighted Sound Pressure Levels (dB re 20 micropascals) calculated based upon user defined input for dimensions 1, 2 and 3 as shown in above diagram. See note #2 and #3.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	10	33	42	52	56	57	57	51	44	62
75% Load	11	33	42	52	57	57	57	51	42	63
50% Load	9	30	40	50	55	56	55	49	39	61
25% Load	9	31	40	50	55	56	55	49	40	61

Notes: (1) Measurements performed in accordance with AHRI Standard 370-2015 for air cooled Chillers.

- (2) Chiller is assumed to be a point source on a reflecting plane.
- (3) Without user defined input, the default dimensions used to construct Table 2 are as follows:
 - 1 Chiller Height Above Ground = 0.0 ft
 - 2 Horizontal Distance From Chiller to Receiver = 30.0 ft
 - 3 Receiver Height Above Ground = 3.0 ft

70 Ton

Tag Cover Sheet
Unit Report
Certified Drawing
Wiring Diagram
Detailed Performance Report

Unit Report For 70 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Information

To a Nome :	70 Ton	
Tag Name:		
Model Number:	30RB070	
Condenser Type:	Air Cooled	
Compressor Type:	Scroll	
Nameplate Voltage:	208/230-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
	R410A	
Independent Refrigerant Cir		
Capacity Control Steps:		
Minimum Capacity:	19.0	%
Shipping Weight:	3738	lb
Operating Weight:	3978	lb
Unit Length:	95	in
Unit Width:	89	in
Unit Height:	90	in

Accessories and Installed Options

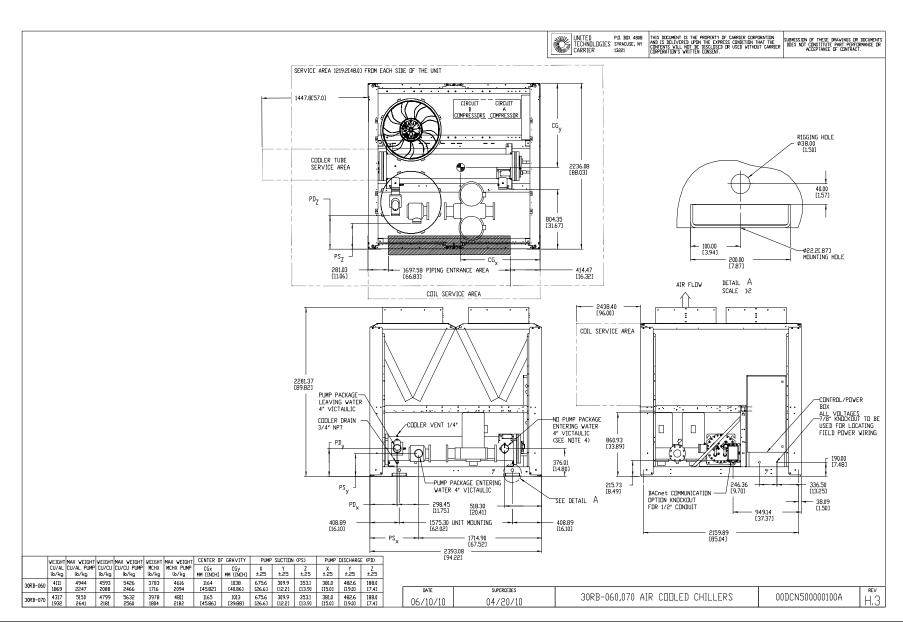
Freeze Protection Suction Line Insulation Non-Fused Disconnect Micro Channel Low Sound Option Low Ambient Head Pressure Control Minimum Load Control Single Point **BACnet Communications** Coil Trim Panels, Grilles, Upper Hail Guards

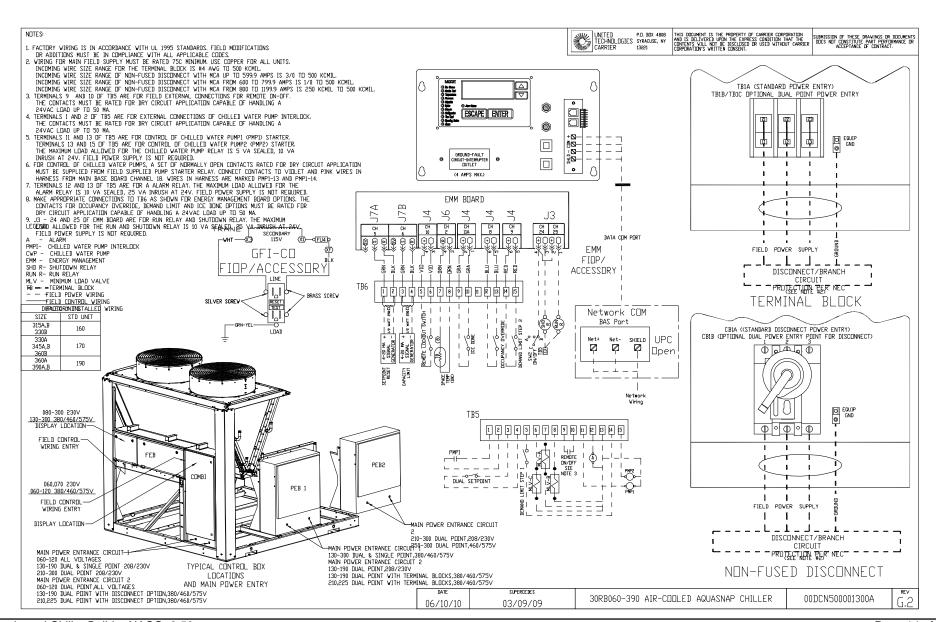
Chiller Warranty Information (Note: for US & Canada only)

First Year - Parts Only (Standard) Start-up and Complete Unit 1st Year Labor, First Unit Compressor Years 2-5 Parts Only

Ordering Information

Part Number	Description	Quantity
30RBX07054-LDL3C	Packaged Chiller	1
	Base Unit	
	Freeze Protection	
	Suction Line Insulation	
	Non-Fused Disconnect	
	Micro Channel	
	Low Sound Option	
	Low Ambient Head Pressure Control	
	Minimum Load Control	
	Single Point	
	BACnet Communications	
	Coil Trim Panels, Grilles, Upper Hail Guards	





Project: BRCC Chillers Prepared By:

Unit Information

05/10/2019 10:23AM





AquaSnap™ Air-Cooled Scroll Chiller



Unit Information		
Tag Name:	70 Ton	
Model Number:		
Condenser Type:	Air Cooled	
Compressor Type:	Scroll	
Nameplate Voltage:	208/230-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source: Charle	tte, NC USA	
ASHRAE 90.1:		
Refrigerant:		
Capacity Control Steps:		
Minimum Capacity:		
Shipping Weight:		
Operating Weight:		
Refrigerant Weight (Circuit A):		
Refrigerant Weight (Circuit B):		
Unit Length:		in
Unit Width:		in
Unit Height:		
Minimum Outdoor Operating Te	emp:20.0	°F
Performance Information		
Cooling Capacity:	66.20	Tons
Total Compressor Power:	70.09	kW
Total Fan Motor Power:		
Total Unit Power (without pump): 80.41	kW
Efficiency (without pump) (EER):9.880	BTU/Wh
Evaporator Information		
Fluid Type:	Fresh Water	
Fouling Factor:	0.000100	(hr-sqft-F)/BTU
Leaving Temperature:	44.00	°F
Entering Temperature:		

otal Condenser Fan Air Flow:49,600	CFM
Entering Air Temperature: 95.0	°F

Altitude: ______0.000 ft Number of Fans: 4

Fluid Flow: 158.3 gpm Fluid Flow Min: _____84.00 gpm Fluid Flow Max: 336.0 gpm Pressure Drop: 11.6 ft H2O

Detailed Performance Summary For 70 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Integrated Pump Information

No Pump Selected

Accessories and Installed Options

Freeze Protection Suction Line Insulation Non-Fused Disconnect Micro Channel Low Sound Option Low Ambient Head Pressure Control Minimum Load Control Single Point **BACnet Communications** Coil Trim Panels, Grilles, Upper Hail Guards

Electrical Information

Unit Voltage:	208/230-3-60	V-Ph-Hz
Connection Type:	Single Point	
Minimum Voltage:	187	Volts
Maximum Voltage:	253	Volts

	Electrical	Electrical
Amps	Circuit 1	Circuit 2
MCA	334.7	
MOCP	400.0	
ICF	777.0	
Rec Fuse Size	400.0	

Detailed Performance Summary For 70 Ton

Project: BRCC Chillers 05/10/2019
Prepared By: 10:23AM

Integrated Part Load Value (AHRI)

IPLV.IP:______13.09 BTU/Wh

Unit Performance				
Percent of Full Load Capacity, %	100.00	75.00	50.00	25.00
Percent of Full Load Power, %	100.00	61.73	34.78	18.97
Unloading Sequence	В	В	В	В
Cooling Capacity, Tons	66.20	49.65	33.10	16.55
Total Unit Power, kW	80.41	49.63	27.97	15.25
Efficiency (EER), BTU/Wh	9.880	12.00	14.20	13.02
Evaporator Data				
Fluid Entering Temperature, °F	54.00	51.49	48.99	46.50
Fluid Leaving Temperature, °F	44.00	44.00	44.00	44.00
Fluid Flow Rate, gpm	158.3	158.3	158.3	158.3
Fouling Factor, (hr-sqft-F)/BTU	0.000100	0.000100	0.000100	0.000100
Condenser Data				
Entering Air Temperature, °F	95.0	80.0	65.0	55.0

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code 28731 and a non-corrosive localized environment.

Sound power measured in accordance with ANSI/AHRI Standard 370-2015.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

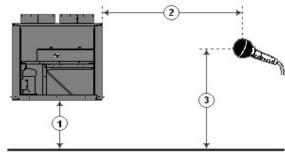
Detailed Performance Summary For 70 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Parameters

nit Parameters		
Tag Name:	70 Ton	
Model Number:		
Condenser Type:	Air Cooled	
Compressor Type:		
Chiller Nameplate Voltage:		V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:		
Shipping Weight:		lb
Operating Weight:		
Refrigerant Weight (Circuit A):	40	lb
Refrigerant Weight (Circuit B):	20	lb
Unit Length:		in
Unit Width:	89	in
Unit Height:	90	in



- 1 Chiller Height Above Ground
- 2 Horizontal Distance From Chiller to Receiver
- 3 Receiver Height Above Ground (See Note 3)

Accessories and Installed Options

Freeze Protection Suction Line Insulation Non-Fused Disconnect Micro Channel Low Sound Option

Low Ambient Head Pressure Control Minimum Load Control Single Point **BACnet Communications** Coil Trim Panels, Grilles, Upper Hail Guards

Acoustic Information

Table 1. A-Weighted Sound Power Levels (dB re 1 picowatt). See note #1.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	39	67	80	86	91	95	90	86	78	98
75% Load	37	66	80	86	91	95	90	86	78	98
50% Load	37	66	80	86	91	95	90	86	78	98
25% Load	34	61	75	81	85	89	85	81	73	93

Table 2. A-Weighted Sound Pressure Levels (dB re 20 micropascals) calculated based upon user defined input for dimensions 1, 2 and 3 as shown in above diagram. See note #2 and #3.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	10	39	52	58	63	67	62	58	50	70
75% Load	8	38	52	58	63	67	62	58	49	70
50% Load	8	38	52	58	63	67	62	58	49	70
25% Load	6	33	47	53	57	61	57	53	45	65

Notes: (1) Measurements performed in accordance with AHRI Standard 370-2015 for air cooled Chillers.

- (2) Chiller is assumed to be a point source on a reflecting plane.
- (3) Without user defined input, the default dimensions used to construct Table 2 are as follows:
 - 1 Chiller Height Above Ground = 0.0 ft
 - 2 Horizontal Distance From Chiller to Receiver = 30.0 ft
 - 3 Receiver Height Above Ground = 3.0 ft

100 Ton

Tag Cover Sheet
Unit Report
Certified Drawing
Wiring Diagram
Detailed Performance Report

Unit Report For 100 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Information

T N	400 T	
Tag Name:	100 ION	
Model Number:	30RB100	
Condenser Type:	Air Cooled	
Compressor Type:	Scroll	
Nameplate Voltage:	208/230-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:	R410A	
Independent Refrigerant Cir		
Capacity Control Steps:		
Minimum Capacity:	18.0	%
Shipping Weight:	5398	lb
Operating Weight:	5663	lb
Unit Length:	142	in
Unit Width:	89	in
Unit Height:	90	in

Accessories and Installed Options

Freeze Protection Suction Line Insulation Non-Fused Disconnect Micro Channel Low Sound Option Low Ambient Head Pressure Control Minimum Load Control Single Point **BACnet Communications** Coil Trim Panels, Grilles, Upper Hail Guards

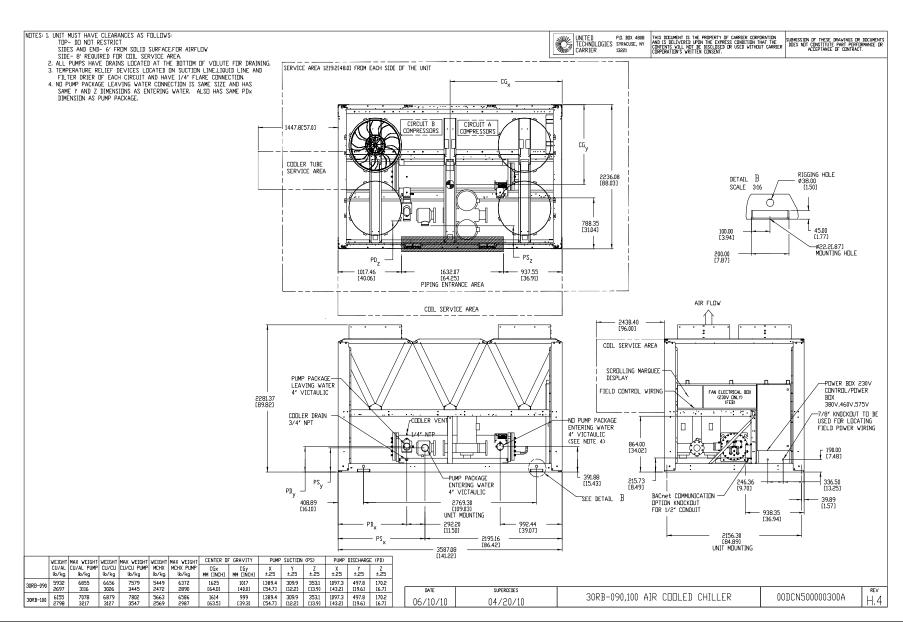
Chiller Warranty Information (Note: for US & Canada only)

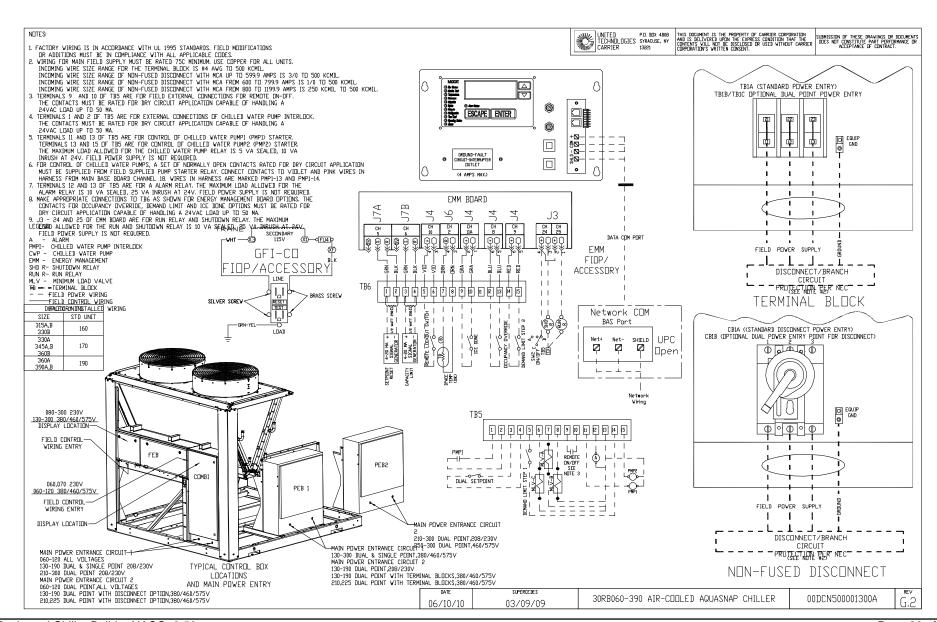
First Year - Parts Only (Standard) Start-up and Complete Unit 1st Year Labor, First Unit Compressor Years 2-5 Parts Only

Ordering Information

Part Number	Description	Quantity
30RBX10054-LDL3C	Packaged Chiller	1
	Base Unit	
	Freeze Protection	
	Suction Line Insulation	
	Non-Fused Disconnect	
	Micro Channel	
	Low Sound Option	
	Low Ambient Head Pressure Control	
	Minimum Load Control	
	Single Point	
	BACnet Communications	
	Coil Trim Panels, Grilles, Upper Hail Guards	

Project: BRCC Chillers
Prepared By:









AquaSnap™ Air-Cooled Scroll Chiller



Unit Information	100 Ton	
Tag Name:	20001011	
Model Number:		
Condenser Type:		
Compressor Type:		V Db Uz
Nameplate Voltage: 20	JOIZ3U-3-0U	V-P11-HZ
Quantity: Charlot	I	
ASHRAE 90.1:	2010 2007	
Refrigerant:		
Capacity Control Steps:		
Minimum Capacity:		%
Shipping Weight:		, -
Operating Weight:	5663	lb lb
Refrigerant Weight (Circuit A):		lb lb
Refrigerant Weight (Circuit A)		
Unit Length:		
Unit Width:		in
Unit Height:		in
Minimum Outdoor Operating Ter		°F
William Oddoor Operating Ter	пр 20.0	•
Performance Information		
Cooling Capacity:	92.83	Tons
Total Compressor Power:	94.08	kW
Total Fan Motor Power:		
Total Unit Power (without pump):		
Efficiency (without pump) (EER):	10.17	BTU/Wh
Evaporator Information		
Fluid Type:F	resh Water	
Fouling Factor:		(hr-saft-F)/RTU
Leaving Temperature:		
Entering Temperature:	54.00	°F
Fluid Flow:	222.0	apm
Fluid Flam Mia		3F.''

Total Condenser Fan Air Flow:74,400	CFM
Entering Air Temperature: 95.0	°F

Altitude: 0.000 ft Number of Fans: 6

Fluid Flow Min: 120.0 gpm Fluid Flow Max: 480.0 gpm Pressure Drop: 10.1 ft H2O

Detailed Performance Summary For 100 Ton

Project: BRCC Chillers 05/10/2019
Prepared By: 10:23AM

Integrated Pump Information

No Pump Selected

Accessories and Installed Options

Freeze Protection
Suction Line Insulation
Non-Fused Disconnect
Micro Channel
Low Sound Option
Low Ambient Head Pressure Control
Minimum Load Control
Single Point
BACnet Communications
Coil Trim Panels, Grilles, Upper Hail Guards

Electrical Information

Unit Voltage:	208/230-3-60	V-Ph-Hz
Connection Type:	Single Point	
Minimum Voltage:	187	Volts
Maximum Voltage:	253	Volts

	Electrical	Electrical
Amps	Circuit 1	Circuit 2
MCA	472.0	
MOCP	500.0	
ICF	914.3	
Rec Fuse Size	500.0	

Detailed Performance Summary For 100 Ton

Project: BRCC Chillers 05/10/2019
Prepared By: 10:23AM

Integrated Part Load Value (AHRI)

IPLV.IP:______13.23 BTU/Wh

Unit Performance				
Percent of Full Load Capacity, %	100.00	75.00	50.00	25.00
Percent of Full Load Power, %	100.00	61.35	35.61	20.53
Unloading Sequence	В	В	В	В
Cooling Capacity, Tons	92.83	69.63	46.42	23.21
Total Unit Power, kW	109.6	67.22	39.01	22.50
Efficiency (EER), BTU/Wh	10.17	12.43	14.28	12.38
Evaporator Data				
Fluid Entering Temperature, °F	54.00	51.49	48.99	46.50
Fluid Leaving Temperature, °F	44.00	44.00	44.00	44.00
Fluid Flow Rate, gpm	222.0	222.0	222.0	222.0
Fouling Factor, (hr-sqft-F)/BTU	0.000100	0.000100	0.000100	0.000100
Condenser Data				
Entering Air Temperature, °F	95.0	80.0	65.0	55.0

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code 28731 and a non-corrosive localized environment.

Sound power measured in accordance with ANSI/AHRI Standard 370-2015.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

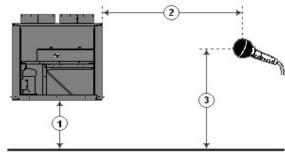
Detailed Performance Summary For 100 Ton

Project: BRCC Chillers

05/10/2019 Prepared By: 10:23AM

Unit Parameters

ilit Farailleters		
Tag Name:	100 Ton	
Model Number:		
Condenser Type:	Air Cooled	
Compressor Type:		
Chiller Nameplate Voltage:		V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:	R-410A	
Shipping Weight:	5398	lb
Operating Weight:	5663	lb
Refrigerant Weight (Circuit A):	40	lb
Refrigerant Weight (Circuit B):	40	lb
Unit Length:	142	in
Unit Width:	89	in
Unit Height:	90	in



- 1 Chiller Height Above Ground
- 2 Horizontal Distance From Chiller to Receiver
- 3 Receiver Height Above Ground (See Note 3)

Accessories and Installed Options

Freeze Protection Suction Line Insulation Non-Fused Disconnect Micro Channel Low Sound Option

Low Ambient Head Pressure Control Minimum Load Control Single Point **BACnet Communications** Coil Trim Panels, Grilles, Upper Hail Guards

Acoustic Information

Table 1. A-Weighted Sound Power Levels (dB re 1 picowatt). See note #1.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	39	68	80	87	92	97	91	88	79	100
75% Load	39	67	80	87	92	97	91	87	79	99
50% Load	38	67	80	87	92	97	91	87	79	99
25% Load	36	64	80	85	89	93	89	85	76	97

Table 2. A-Weighted Sound Pressure Levels (dB re 20 micropascals) calculated based upon user defined input for dimensions 1, 2 and 3 as shown in above diagram. See note #2 and #3.

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
100% Load	11	39	52	59	64	69	63	59	51	71
75% Load	11	39	52	59	64	68	63	59	51	71
50% Load	10	39	52	58	64	68	63	59	51	71
25% Load	8	36	52	57	61	65	61	57	48	68

Notes: (1) Measurements performed in accordance with AHRI Standard 370-2015 for air cooled Chillers.

- (2) Chiller is assumed to be a point source on a reflecting plane.
- (3) Without user defined input, the default dimensions used to construct Table 2 are as follows:
 - 1 Chiller Height Above Ground = 0.0 ft
 - 2 Horizontal Distance From Chiller to Receiver = 30.0 ft
 - 3 Receiver Height Above Ground = 3.0 ft