

Quote, Rev:

EXISTING SUMMARY

Quote Date:

03/15/19

Heatcraft Worldwide Refrigeration Systems

5 Corporate Ridge Parkway

Columbus, GA 31907

800-866-5596, Fax: 706-565-1723

Customer:

Food Lion

Rack:

A

Store No.:

1662

Rack Model:

Existing Rack A

Location:

Laurel, MD

Salesman:

Austin, K


Order, Rev:

,

Appl Eng:

Austin, K

Heatcraft Worldwide Refrigeration Legend



orldwide Refrigeration Display Cases

5201 Transport Blvd

Columbus, GA 31908

800-866-5596, Fax: 706-568-8990

Rev.

Date:

By:

Revision:

Electrical Specs:

Volt/Hz/Phase

Controller:

Line: 208

Single or Dual Poin Pwr:

Control: 208

Case Manufacture:

MCA: 341.9

Drawing Reference:

Max Overcurrent Device: 400

Prototype Reference:

Heatcraft Worldwide Refrigeration assumes and accepts no responsibility for the accuracy of the data presented herein. The user must field verify all information prior to installation.

Store Circ ID	Size	Model	Heat Exchanger	Expansion Valve	Temp Probes	Application	Load MBtuh	Evap °F	Defrost Type	Fan Amps	Fan Volts	Light Amps	AS Amps	Fan Watts	Light Watts	AS Watts	Hot Gas Valve	Liquid Valve	Suction Valve	Run Length	Suction Horz	Suction Riser	Liquid Horz
A1		Sub-Cooler			1	Subcooler B	55.4	+40	None								None	None	Sport-1111	20	1 3/8	1 1/8	7/8
A2	16 X 20 X 8.5	AA38-195	EXISTING		1	Dairy Cooler	16.6	+25	Off Cycle	3.0	115			330			None	None	Sport-79	20	7/8	7/8	5/8
A3		Spare			2	Spare	0.0		Off Cycle								None	None	Sport-79	40	7/8	7/8	5/8
A4	48 Feet	(4) D6L1-12			1	Dairy 27-30	64.3	+20	Off Cycle	9.8	115	12.8	0.0	1,132	1,472		None	None	Sport-1313	50	1 5/8	1 3/8	7/8
A5	48 Feet	(4) D6L1-12			1	Dairy 31-34	64.3	+20	Off Cycle	9.8	115	12.8	0.0	1,132	1,472		None	None	Sport-1313	75	1 1/8	1 1/8	7/8
A6		Spare			2	Spare	0.0		Off Cycle								None	None	Sport 9-9		1 3/8		5/8
A7	9 X 11 X 8.5	AA28-76	EXISTING		2	Deli Cooler	7.6	+20	Off Cycle	4.0	115			260			None	None	Sport-5-9	200	7/8	1/2	5/8
A8	12/6/12'	PF-12, BDPF-6, BDPTD-12R RRS			2	Cake/Deli/ Serv. Cold Deli 3-5	34.4	+18	Off Cycle	5.5	120			660			None	None	Sport-3-9	200	1 3/8	1 1/8	5/8
A9	20 Feet	DX6LN-12R, DX6LN-08R			2	M/D Produce 12,13	23.4	+28	Off Cycle	0.6	115	2.4		96	281		None	None	Sport-5-9	170	1 1/8	7/8	5/8
A10		Spare			1	Spare	0.0		Off Cycle								None	None	Sport-5-9		7/8		5/8
A11	32 Feet	(2) QD6L1-12, QD6L1-08			1	MD Produce 7-9	44.3	+23	Off Cycle	2.0	115	3.9	0.0	230	446		None	None	Sport-3-9	130	1 1/8	7/8	5/8
A12		Spare			2	Spare	0.0		Off Cycle								None	None	Sport 5-9		1 1/8		5/8
A13	16 Feet	(2) QD6L1-08			2	SS Deli 1,2	22.2	+23	Off Cycle		115	2.0			230		None	None	Sport-5-9	220	1 1/8	7/8	5/8
A14	20 Feet	HZV1-12, HZV1-8			1	Produce 10,11	16.0	+20	Off Cycle	1.6	115	3.4		120	396		None	None	Sport-9-9	155	7/8	7/8	5/8
A15	10 X 30 X 8.5	(2) AA28-106	EXISTING		1	Produce Cooler	19.5	+25	Off Cycle	4.0	115			440			None	None	Sport-7-9	175	1 1/8	7/8	5/8
A16	527 Sq Ft	(2) FL36-100	EXISTING		1	Produce Prep	26.4	+30	Off Cycle	3.6	115			204			None	None	Sport-9-9	150	1 1/8	7/8	5/8
A17	36 Feet	(3) D6L1-12			1	Lunch Meat 21-23	54.6	+20	Hot Gas	4.8	115	5.9		360	683		MB19S2	None	Sport-1313	100	1 5/8	1 3/8	7/8
A18	16 Feet	(2) QM4A1-8			2	Multi-Deck Fresh Meat 14,15	22.8	+15	Hot Gas	2.7	115	3.3	1.2	200	384	133	MB10S2	None	Sport-9-9	70	1 1/8	7/8	5/8
A19		Spare			2	Spare	0.0		Off Cycle								None	None	Sport-3-9		1 1/8	5/8	5/8
A20	32 Feet	(2) M4N1-12, M4N1-8			2	Multi-Deck Fresh Meat 16-18	44.8	+15	Hot Gas	5.8	115	3.8	2.1	440	439	244	MB19S2	None	Sport-1111	20	1 3/8	1 3/8	7/8
A21	15 X 16 X 8.5	AG36-120	EXISTING		2	Meat Cooler	13.5	+20	Hot Gas	3.0	208/1			330			MB10S2	None	Sport-5-9	125	7/8	7/8	5/8
A22	624 Sq Ft	(2) FL26-67	EXISTING		1	Meat Prep	40.6	+30	Off Cycle	3.0	115			330			None	None	Sport-1111	90	1 1/8	1 1/8	5/8

General Specifications

Refrigerant Type

Condensing Target °F

Ambient DB °F

Ambient WB °F

Drop Leg °F

Required Btuh SG1

Comp NRE Btuh SG1

NRE with SC SG1

% Loaded SG1

THR SG1

R407A

+110.0

+95.0

+77.0

+106.0

570,569

647,239

647,239

88.2%

902,281

Compressor Specifications

Compressor SG

Comp #

Comp Model

Cap MBtuh

Suct °F

HP

RPM

RLA

LRA

Suction Filter

Capacity Control

Circuit Breaker

Contactor

Wire Size (AWG)

1

1

2DC3-050L

31

+15.0

5.0

20.0

120.0

None

None

QOU340

8910DPA13VQ

2

2

3DB3A100L-TFC-227

81

+15.0

10.0

39.1

215.0

None

None

QOU370

8910DPA43VQ

3

3

3DT3A150L

94

+15.0

10.0

43.2

275.0

None

1 Unl

QOU380

8910DPA53VQ

4

4

4DK3-2500

147

+15.0

25.0

73.7

428.0

None

None

QBL32150

8910DPA73VQ

5

5

4DH3A250L-TSK-227

147

+15.0

25.0

73.7

428.0

None

None

QBL32150

8910DPA73VQ

6

6

4DK3R22ME

147

+15.0

25.0

73.7

428.0

None

None

QBL32150

8910DPA73VQ

Condenser Specifications

Model Existing

ACE-147B-10A

TD

11.2

FPI

10

Voltage

208

FLA

39.2

MCA

39.9

MOPD

40

Charged Wt

4,771

Size

96 x 338.25

of Fans

14

Line To

(2) 2 1/8

Line From

(2) 1 5/8

Required Btuh SG2

Comp NRE Btuh SG2

NRE with SC SG2

% Loaded SG2

THR SG2

Oil Separator

S5202

Drain Regulator

Air Reclaim

16D17B

Head Fan LT/MT

Suction Crossover / Load Shed

Disc. Check Valve

Master Solenoid

Line Size To

2 1/8

Crankcase Htrs

Suction Group

1

2

3

4

Bypass Regulator

Surge Solenoid

Line Size From

2 1/8

Ball Valve

Oil Type

Surge Ball Valve

Water Reclaim

Check Valve

Oil Brand

Surge Check

Line Size To

Solenoid

Oil Reservoir

Surge Style

Line Size From

C P R

Oil Check Valve

Bypass Check

From / To

Suction Filter Main / Ind

Sub-Cooler

Split Condenser

16D17B-SC

Suction Accum.

Sub-Cooler TEV 1

Receiver H / V

Drier

Sub-Cooler TEV 2

Dia x Length

Sight Glass

Liq Lvg Rack °F

106

Lbs @ 80.0%

Comment

Total Heat of Rejection (THR in Btuh)

902,281

Heat Reclaim Avail (Btuh)

451,140

Comp Capacity (Tons)

54.5

Rack Size (D x H x W)

Est. Rack Lift Weight (Lb)

Est. Rack Operating Weight (Lb)



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General Specifications					Compressor Specifications												Condenser Specifications					
Refrigerant Type	Condensing Target °F	Ambient DB °F	Ambient WB °F	Drop Leg °F	R407A	Compressor SG	Comp #	Comp Model	Cap MBtuh	Suct °F	HP	RPM	RLA	LRA	Suction Filter	Capacity Control	Circuit Breaker	Contactors	Wire Size (AWG)	Model	EXISTING	ACE-065B-10A
	+105.0	+95.0	+77.0	+101.0		1	1	2DF3F16KE	16	-25.0	3.0		14.3	102.0	None	None	QOU330	8910DPA13V	12	FP1	10	
						1	2	2DB3-060L-TFC-227	24	-25.0	6.0		22.8	161.0	None	None	QOU340	8910DPA33V	10	Voltage	208	
						1	3	4DL3F63KE	62	-25.0	15.0		41.7	278.0	None	None	QOU380	8910DPA53V	6	FLA	16.8	
						1	4	4DT3F76KE	74	-25.0	22.0		46.2	374.0	None	None	QOU390	8910DPA73V	6	MCA	17.5	
						1	5	4DT3F76KE	74	-25.0	22.0		46.2	374.0	None	None	QOU390	8910DPA73V	6	MOED	20	
Required Btuh SG1	214,077																			Charged Wt	2,050	
Comp NRE Btuh SG1	201,185																			Size	96 x 146.25	
NRE with SC SG1	248,694																			# of Fans	6	
% Loaded SG1	86.1%																			Line To	(2) 1 3/8"	
THR SG1	327,926																			Line From	(2) 1 3/8"	

[illegible]