Zero Zone Refrigeration, LLC
6151 140th Ave. NW - Ramsey, MN
800-708-3735

Customer:	TARGET
Job Name:	T1235 HUDSON, WI
Location:	HUDSON, WI

DOC #: A-M3

Rack ID	A
Order #:	R304043
Quote #:	
Coordinator:	BORER
Original Date	6/21/2010

Rack Features

Dimensions (Estimate)		Oil System		Head Pressure Controls		Liquid Line	
Frame Style	OPS	Oil Type	SOLEST 31HE	Control Valve	Yes	Drier Bypass	
Est. Length (in)	199	Oil Separator	Coalescent Filter	Receiver Press.	Adjustable	Drier Relief	
Est. Width (in)	88	Oil Reservoir	Combined With Separator	Receiver w/Reliefs		Differential Vlv	
Est. Height (in)	85	Oil Filter	Replaceable Core	Type	Horizontal 14x92	Ambient Subcooling	
Est. Weight (lbs)	Dry-5100# Oper- 5500#	Oil Management		Pumpdown Capacity	366 LBS @80%	Control Valve	
Discharge		Heat Reclaim (Water)		Rupture Discs	Yes	Mechanical Subcooling	
Check Valve	Serviceable Valve	Control Valve		Rack Mounted		Subcooling Load	51.6
Differential Vlv	Yes	Heat Reclaim (Air)		Liquid Level	Analog Float (1-2V)	TXV Type	EEV
Temp Sensor	Yes	Control Valve		Insulated	Yes	Control Strategy	Electronic Subcooler Control
Split Strategy	50/50 (Two Circuits)	Hi-Low Bypass					
Split Valve Type	Solenoids (Normally Open)	Yes	w/alarm duper				

Design Conditions

Refrigerant	R404A
Cond. Temp	110
DBT	
WBT	
Elevation	

Controller

Manufacturer	CPC
Model	

Condenser

THR: 247

Mfg	Model	TD	FANS	Split	Voltage	FLA	Pwr
BOHN	BNL-DD4-A026	8.87	2X2	Yes	460	13.2	Yes
Est. Weight	Dry-2300# Oper-2450#						

Power Feeds

	Description	Voltage	MCA	MOPD	SCCR	
1	Main	460-480/3/60	76	90	10,000	
2						
	Control	110-120/1/60	24	30		Separate Control

DX Suction Groups

SG	SST	Liquid Temp	Req. Capacity	Capacity	% Of Required	Econ. Cap.	% Of Required	Suction Filter	Accumulator	Crossover
1	-22	50	150.3	113.6	75.58%	165.2	110%	Yes	Yes	-

Compressors

SG	Model	Capacity	Econ. Capacity	THR	Horsepower	RLA	LRA	Unloaders	Head Fan	Crankcase Heater	Discharge Check	Suction Filter	Accumulator	% of Total Capacity
1	4C14BSL-2NU-D1	25.5	37.1	85.6	6	13.6	75	Yes	Yes	Yes	-	-	-	22.4%
1	4C14BSL-2NU-D1	25.5	37.1	85.6	6	13.6	75	Yes	Yes	Yes	-	-	-	22.4%
1	4C17761SL-2NU	31.3	45.5	68	8	15.7	90	-		Yes	-	-	-	27.6%
1	4C17761SL-2NU	31.3	45.5	68	8	15.7	90	-		Yes	-	-	-	27.6%

DX Circuits

SG	Name	Mfg	Model	Size	Load	Sub-Load	SST	Defrost Type	Stub Sizes Suction	Stub Sizes Riser	Stub Sizes Liquid	Control Valves Suction	Control Valves Liquid	Control Valves Hot Gas	Isolation Valves Suction	Isolation Valves Liquid	Isolation Valves Hot Gas	Inputs TMP	Inputs TRM	Evaporator Fans Volts	Ph	Amps	Pwr	Electric Defrost Volts	Ph	Amps	Pwr	Lights Volts	Ph	Amps	Pwr	Anti Sweats Volts	Ph	Amps	Pwr
1	A01	-	-	-	7.5		-12	HOT GAS	7/8"	5/8"	5/8"	ME14S270	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A01-A-DT FF/MT	HILL	OWIZ	8'		2.4	-12												-	-	-	-			-	-								
1	A01-B-DT FF/MT	HILL	OWIZ	8'		2.4	-12												-	-	-	-			-	-								
1	A01-C-DT FF/MT	HILL	OWEZ	1		2.7	-12												-	-	-	-			-	-								
1	A02 ICE CREAM	HUSSMANN	RLN	5 DRS	7		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A03 ICE CREAM	HUSSMANN	RLN	6 DRS	8.4		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A04 ICE CREAM	HUSSMANN	RLN	12 DRS	16.8		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A05 ICE CREAM	HUSSMANN	RLN	12 DRS	16.8		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A06 ICE CREAM	HUSSMANN	RLN	12 DRS	16.8		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A07 ICE CREAM	HUSSMANN	RLN	12 DRS	16.8		-19	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	A08 ICE CREAM	HUSSMANN	RLN	14 DRS	19.6		-19	HOT GAS	1-1/8"	1-1/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB01-DT IC/DAIRY	HUSSMANN	RLN	2 DRS	2.8		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB02-DT IC/DAIRY	HUSSMANN	RLN	2 DRS	2.8		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB03-DT IC/DAIRY	HUSSMANN	RLN	4 DRS	5.6		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB04-DT IC/DAIRY	HUSSMANN	RLN	4 DRS	5.6		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB05-DT IC/DAIRY	HUSSMANN	RLN	4 DRS	5.6		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB06-DT IC/DAIRY	HUSSMANN	RLN	4 DRS	5.6		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB07-DT IC/DAIRY	HUSSMANN	RLN	3 DRS	4.2		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB08-DT IC/DAIRY	HUSSMANN	RLN	2 DRS	2.8		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB09-DT IC/DAIRY	HUSSMANN	RLN	2 DRS	2.8		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB10-DT IC/DAIRY	HUSSMANN	RLN	2 DRS	2.8		-19	HOT GAS	7/8"	5/8"	5/8"	CDS-4	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB11-SPARE DT IC/DAIRY	-	-	-			-22	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									
1	AB12-SPARE DT IC/DAIRY	-	-	-			-22	HOT GAS	7/8"	7/8"	5/8"	CDS-7	E3S130	ME14S250	Yes	Yes	Yes	1	-	-	-	-		-	-	-									

Rev #	Date	Description

Notes:

*All the sizing information and data given is believed to be, to the best of our knowledge, accurate and reliable, but are presented without guaranty, warranty, or responsibility of any kind, expressed or implied. It is the responsibility of the installer to determine final line sizes, based on actual lengths of run, and other system characteristics.