Zero Zone Refrigeration, LLC
8151 140th Ave. NW - Ramsey, MN
800-798-3735

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

Rack ID	B
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)	128	Oil Separator	Coalescent Filter	Receiver Press.	Adjustable	Drier Relief	
Est. Width (in)	88	Oil Receiver	Combined With Separator	Receiver w/Reliefs		Differential Vlv	
Est. Height (in)	65	Oil Filter	Replaceable Core	Type	Horizontal 14x72	Ambient Subcooling	
Est. Weight (lbs)	Dry-3500# Oper- 4100#	Oil Management		Pumpdown Capacity	330LBS @80%	Control Valve	
Discharge		Heat Reclaim (Water)		Rupture Disc	Yes	Mechanical Subcooling	
Check Valve	Serviceable Valve	Control Valve		Rack Mounted	Yes	Subcooling Load	
Differential Vlv		Heat Reclaim (Air)		Liquid Level	Analog Float (1-2V)	TXV Type	
Temp Sensor	Yes	Control Valve		Insulated	Yes	Control Strategy	
Split Strategy	50/50 (Two Circuits)	HI-Low Bypass					
Split Valve Type	Solenoids (Normally Open)	Yes	w/alarm ducer				

Design Conditions

Refrigerant	R134a
Cond. Temp	110
DBT	
WBT	
Elevation	

Controller

Manufacturer	CPC
Model	

Condenser

THR: 277.2

Mfg	Model	TD	FANS	Split	Voltage	FLA	Pwr
BOHN	BNL-004-A028	10.27	2X2	Yes	460	13.2	Yes
Est. Weight	Dry-2350# Oper.-2450#						

Power Feeds

	Description	Voltage	MCA	MOPD	SCCR	
1	Main	460-480/3/60	68	80	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	110	175	206.8	118.17%			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	4VES-6Y-40P	51.7		69.3	6	13	68	Yes	-	Yes	-	-	-	25.0%
1	4VES-6Y-40P	51.7		69.3	6	13	68	Yes	-	Yes	-	-	-	25.0%
1	4VES-6Y-40P	51.7		69.3	6	13	68	-	-	Yes	-	-	-	25.0%
1	4VES-6Y-40P	51.7		69.3	6	13	68	-	-	Yes	-	-	-	25.0%

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	Evaporator Fans: Ph	Evaporator Fans: Amps	Evaporator Fans: Pwr	Electric Defrost: Volts	Electric Defrost: Ph	Electric Defrost: Amps	Electric Defrost: Pwr	Lights: Volts	Lights: Ph	Lights: Amps	Lights: Pwr	Anti Sweats: Volts	Anti Sweats: Ph	Anti Sweats: Amps	Anti Sweats: Pwr
1	801 PRODUCE	HILL	OSM	24"	39.6		24	OFF TIME	1-5/8"	1-3/8"	5/8"	CDS-17	ME6S140		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	802 DAIRY	HILL	OSM	8'	13.2		24	OFF TIME	7/8"	5/8"	5/8"	CDS-7	E3S130		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	803 MEAT	HILL	OSM	24"	39.6		24	OFF TIME	1-5/8"	1-3/8"	5/8"	CDS-17	ME6S140		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	804 DAIRY	HILL	OSM	8'	13.2		24	OFF TIME	7/8"	5/8"	5/8"	CDS-7	E3S130		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	805 DAIRY	HUSSMANN	RMN	11 DRS	8.79		27	OFF TIME	7/8"	5/8"	5/8"	CDS-7	E3S130		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	806 BEER (FUTURE)	HUSSMANN	RMN	9 DRS	9.01		27	OFF TIME	7/8"	5/8"	5/8"	CDS-4	E3S130		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	807 SPARE	BOHN	-	-			24	NONE	7/8"	7/8"	5/8"	CDS-7	ME6S140		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	808 SPARE	-	-	-			24	NONE	7/8"	7/8"	5/8"	CDS-7	ME6S140		Yes	Yes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	809 SUB COOLER	-	-	-	51.6		26	NONE	1-3/8"	-	5/8"	-	-		Yes	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rev #	Date	Description

Notes:

*All line 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.