

RACK A

STORE: FOOD LION 2560 (REF 29-97 E)
LOCATION: EDGEMERE, MD
QUOTE / JOB #: Q11263 / L312515

CUSTOMER	FOOD LION	
CONTACT		
SALESMAN	Frank Counts	
ENGINEER	Tuan Le	



RACK A

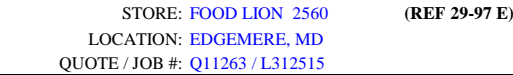
STORE: FOOD LION 2560
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COMPONENT MANUFACTURER	
SOLENOID VLV:	SPORLAN
BALL VALVE:	MUELLER FP
CHECK VALVE:	MUELLER

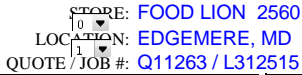
G R P	SYS #	REFRIGERATOR/UNIT COOLER			DIS AIR TMP	REQ'D CAP (MBH)	EVP TMP	DEF TYPE	DEF TER	INPUTS		BRANCH KITS						ELECTRIC DEFROST					120V ELEC				DEFROST/ FANS			EVAP TXV EGVE	REMOTE CONDENSER		STORE DESIGN CONDITIONS				PAGE:		1 OF 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		SIZE	MODEL	DESCRIPTION						DI	AI	INSTALLED			FIELD INSTALL			208V					FAN AMP	LT AMP	AS HTR	SUP AMP	208V/1	208V/3	DOOR SWITCH								DATE:	2/8/2019																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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UNIT ACCESS.	KIT	VENDOR	UNIT ACCESS.	KIT	VENDOR		UNIT ACCESS.	KIT	VENDOR	
CSR (If Applied)	YES	On this Rack.	EQL LINE BV	16WF	7/8	VS	ELECTRICAL ASSY	14PB		
OIL REGULATOR	27WA	AC & R ADJ	BV TO COND	20DF	2) 2 1/8	VS	MECH DEFROST TIMER			
CRANKCASE HTRS	NO		BV FRM COND	19DF	2) 1 5/8	VS	ELEC DEF PANEL			
SUCTION FILTER	SUBR	SUPERIOR BRASS	BV TO HT RCLM	20DF	2) 2 1/8	VS	SINGLE PHS PROT	01EK		
RACK ASSEMBLY	7CRH		BV FRM HR	20DF	2) 2 1/8	VS	CONTROL POWER CONN	54PW		
RACK ACCESS	ALL		LIQ DRIER ASSY	91WG	C14413GR		COMP TIME DELAY	07DE		
RECEIVER	HS44	STANDARD REC	LIQ DRIER BYPASS				HIGH PRSSR CNTRL	97WB	P70CA138D AUTO	
RECEIVER ACC	02RA		DIFF SOLENOID VLV				LOW PRSSR CTRL	97LP	P170AB12 AUTO	
VIBRATION ISOL	07SS	PADS	DIFF NORM OPEN				OIL FAILURE CTRL	30WM	SENTRONIC	
SAT MOD			LIQ DRAIN REG (Wint Ctrl)	33FV	A81 1.38P 1.62C		HR LOCKOUT			
SAT DIS CHK			SURGE PIPING	77WN	ME42S2130		HIGH SUCT CNTRL			
SHIP LOOSE OIL	18MO	MINERAL OIL	SUBCOOLER				BASIC ALARM KIT	07EC		
OIL SEPARATOR	97WD	S5608	SPLIT SUCTION MOD				HUSSMANN ALARM BOARD			
OIL FILTER	00OF	SF283F	SUCT MAN INSUL	07SI	1/2" INSUL		LIQUID LEVEL INDICATOR	01AN	Analog Horiz. Rec.	
OIL COOLING			LIQUID MAN INSUL	07LI	1/2" INSUL		ALARM BELL			
DISCH LINE SIZE	2 1/8	2 5/8 DISCH HDR	SUCTION ACCUM				RACK ORIENTATION	VSMR	VERT CKTS SPUN	
LIQUID LINE SIZE	1 5/8	2 5/8 LIQ HDR	SECOND ACCUM				CONTROLLER	YES	CPC RMCC	
HEAT RECLAIM	67WS	2) 16D17B	REC PRESS REG	79RP	A9 7/8		PROGRAMMING	YES	BASIC PROGRAM	
HR X OVER	04CK	808C15S					COND RELAY BRD	NO	AT CONDENSER	
HR VOLT MOD										
SPLIT COND	55WN	16D17B-SC								
COMP METAL CAPS	NO		FULL TXV (Part # & Model)				PRE-PURGE VALVE			
PAINT HEADS	YES	GREEN	HALF TXV (Part # & Model)				POST PURGE VALVES			
EQUALIZE OIL FLOATS	YES		Solenoid #1 (Part # & Model)				PUMP OUT LOCATION	1	On 1ST Compressor	
OIL PRESS DIFF VLV	1	1) Y825	Solenoid #2 (Part # & Model)							
WEEP HOLES	YES		Subcooler EPR Valve.				FILL COMP/SEPAR W/OIL		No Oil / Ship Dry	

SYSTEM (MBH)		REQ	AVAL	%	FILTER CORE:		F35A	F35A	F35A	F35A	F35A	F35A	F35A	F35A	
A		525.4	555.6	95	DISCHARGE SIZE:		7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	
					HEAD FAN KIT:										
					WIRE SIZE:		10	4	4	4	4	3	3		
					CONTACTOR:		30	50	50	50	50	60	60		
					BREAKER:		30	70	70	70	70	100	100		
					RLA:		22.3	41.0	41.0	43.6	43.6	59.6	59.6		
					CRANKCASE HTR:										
CSR:		25DD	25DD	25DD	25DD	25DD	25DD	25DD	25DD	25DD	25DD	25DD	25DD		
NOTES:	1. SPORLAN SORIT EPR. 2. PROVIDE A 15A/2P BREAKER FOR CONDENSER CONTROL. 3. DOOR SWITCHES & EXTRA GASKETS BY SALESMAN. 4. STEEL CONTROL LINES TO BE USED. 5. PROVIDE RACK INSTALLATION MANUAL FOR EACH RACK. 6. USE "J" TUBES FOR LIQUID CIRCUITS.														
7. PROVIDE HARD LABELS FOR EACH CASE. 8. BREAKER / CONTACTOR FOR EVAPORATOR FANS ON MEAT CLR. 9. SQUARE D BREAKER. 10. ALL SYSTEMS MUST HAVE A MINIMUM 5/8" LIQUID LINE 11. ELBOW REC. RELIEF VALVE ASSEMBLY DOWN.															
REV	DATE	BY	STAT	DESCRIPTION				PRINT DATE		2/14/2019		Version:		2001 V1.2	
A	4/6/2002	TL	CC	Changed to RL Innovator Doors on Rack B. Revised Temp Termination Point on Rack A.											
B	5/25/2002	TL	CC	Added System B-17 Ice Machine. Applied NEW CPC RMCC BOARDS.											
-	7/29/2002	TL	CC	Changed A-6 to 26'. Changed A-13 to M5GE. Changed to FL Evap Coil for A-6 & A-16. New Store Number 2560.											
SYSTEM SPECIFICATIONS PROVIDED:				YES											
The System was Designed based on Specifications Provided on:				11/17/2001		By:		Frank Counts							



CUSTOMER	FOOD LION	
CONTACT		
SALESMAN	Frank Counts	
ENGINEER	Tuan Le	



COMPONENT MANUFACTURER	
SOLENOID VLV:	SPORLAN
BALL VALVE:	MUELLER FP
CHECK VALVE:	MUELLER

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REMOTE CONDENSER		STORE DESIGN CONDITIONS				PAGE: 2 OF 2	
REFER:	R22	AMBIENT TEMP:		100		DATE:	2/8/2019
MODEL:	VRQ 67	INSIDE TEMP/RH:		75/55		BY:	MMK
FAN CNTR:	CPC	ALTITUDE (FEET):		0		QUOTE:	Q11263 / L312515
THR (BTUH):	370040	COND. TEMP:		110		FILE:	
HR (BTUH):	185020	REFRIGERANT:		R22		RACK PHYSICAL SPECS	
TD (DEG):	11.1	COMP TYPE:		Copeland Reciprocating		DIMEN:	138"x 39"x 78.5"
WGT (LBS):	2500	COMP VOLT:		208/3/60		WEIGHT:	5230 LBS
CHG (LBS):		CNTRL VOLT:		208/1/60		RECEIVER SPECS	
FPI:	10	COND VOLT:		208/3/60		DIMEN:	14"D x 120"
DIM:	146" x 96" x 43"	120		208	460	CAP:	558
FLA:	16.8 @ 230V	MCA:		268		OIL COOLER	
FANS:	2 x 3 540 RPM	MOPD:		300		MODEL:	
DAMPERS:		FLA:		250		CNTRL:	
FIN COAT:		CONTACTOR		FURNAS		DIMEN:	
LEGS:		BREAKER		SQUARE D		WEIGHT:	
NOTES:	50% REDUCTION	NEMA / DP		DP		RLA:	
SUCTION GROUP:		B	B	B	B	B	
COMPRESSOR:		3DA3A060B	DS3A100L	3DS3A100L	4DT3F76KE	4DT3F76KE	
QUANTITY:	5	1	1	1	1	1	
COMPRESSOR ASSY:	19WN	29WN	29WN				
COMPRESSOR HP:	6	10	10	12.5	12.5		
SUCTION TEMP:	-25	-25	-25	-25	-25		
SUBCOOLING TEMP:	50	50	50	50	50		
CAPACITY (BTUH):	21941	35652	35652	60000	60000		
POWER (KW):	4.725	7.608	7.608	13.000	13.000		
HEAT OF REJ (BTUH):	38067	61617	61617	104369	104369		
ECON/SC CAP FAC:	1.2063	1.2063	1.2063	1.2063	1.2063		
ECON/SC CAP:	26468	43009	43009	72380	72380		
ECON POWER FAC:							
ECON POWER:							
INVERTER(VSD):							
COMP COOLING:	02VZ	02VZ	02VZ	03VZ	03VZ		
SUCTION HEADER:	4 1/8						
ACCUMULATOR:							
UNLOADER:							
SUCTION SIZE:	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8		

UNIT ACCESS.	KIT	VENDOR	UNIT ACCESS.	KIT	VENDOR		UNIT ACCESS.	KIT	VENDOR	
CSR (If Applied)	YES	On this Rack.	EQL LINE BV	16WF	7/8	VS	ELECTRICAL ASSY	14PB		
OIL REGULATOR	27WA	AC & R ADJ	BV TO COND	19DF	2) 1 5/8	VS	MECH DEFROST TIMER			
CRANKCASE HTRS	NO		BV FRM COND	17DF	2) 1 1/8	VS	ELEC DEF PANEL			
SUCTION FILTER	SUBR	SUPERIOR BRASS	BV TO HT RCLM	19DF	2) 1 5/8	VS	SINGLE PHS PROT	01EK		
RACK ASSEMBLY	5CRH		BV FRM HR	19DF	2) 1 5/8	VS	CONTROL POWER CONN	54PW		
RACK ACCESS	ALL		LIQ DRIER ASSY	48WF	C969GR		COMP TIME DELAY	05DE		
RECEIVER	HS20	STANDARD REC	LIQ DRIER BYPASS				HIGH PRSSR CNTRL	97WB	P70CA138D AUTO	
RECEIVER ACC	02RA		DIFF SOLENOID VLV	06WE	OLDR-15 1 1/8		LOW PRSSR CTRL	97LP	P170AB12 AUTO	
VIBRATION ISOL	05SS	PADS	DIFF NORM OPEN	YES			OIL FAILURE CTRL	30WM	SENTRONIC	
SAT MOD			LIQ DRAIN REG (Wint Ctrl)	31FV	A8A 0.88P 1.12C		HR LOCKOUT			
SAT DIS CHK			SURGE PIPING	75WN	ME25S290		HIGH SUCT CNTRL			
SHIP LOOSE OIL	15MO	MINERAL OIL	SUBCOOLER	04SC	CB26-24H		BASIC ALARM KIT	05EC		
OIL SEPARATOR	37WD	S5604	SPLIT SUCTION MOD				HUSSMANN ALARM BOARD			
OIL FILTER	00OF	SF283F	SUCT MAN INSUL	05SI	1/2" INSUL		LIQUID LEVEL INDICATOR	01AN	Analog Horiz. Rec.	
OIL COOLING			LIQUID MAN INSUL	05LI	1/2" INSUL		ALARM BELL			
DISCH LINE SIZE	1 5/8	2 1/8 DISCH HDR	SUCTION ACCUM				RACK ORIENTATION	VSMR	VERT CKTS SPUN	
LIQUID LINE SIZE	1 1/8	2 1/8 LIQ HDR	SECOND ACCUM				CONTROLLER	YES	CPC RMCC	
HEAT RECLAIM	66WS	2) 12D13B	REC PRESS REG	79RP	A9 7/8		PROGRAMMING	YES	BASIC PROGRAM	
HR X OVER	03CK	807C13S					COND RELAY BRD	NO	AT CONDENSER	
HR VOLT MOD										
SPLIT COND	54WN	12D13B-SC								
COMP METAL CAPS	NO		FULL TXV (Part # & Model)	SQE 5 VC	0700169		PRE-PURGE VALVE			
PAINT HEADS	YES	GREEN	HALF TXV (Part # & Model)	SQE 3 VC	0700163		POST PURGE VALVES			
EQUALIZE OIL FLOATS	YES		Solenoid #1 (Part # & Model)	ME10S250	0346085		PUMP OUT LOCATION	1	On 1ST Compressor	
OIL PRESS DIFF VLV	1	1) Y825	Solenoid #2 (Part # & Model)	ME10S250	0346085					
WEEP HOLES	YES		Subcooler EPR Valve.				FILL COMP/SEPAR W/OIL		No Oil / Ship Dry	

RACK MODEL:		CS0105VLK		
SYSTEM (MBH)		REQ	AVAIL	%
B		215.9	213.2	101
B Economized		215.9	257.2	84

NOTES:	1. ELBOW REC. RELIEF VALVE ASSEMBLY DOWN.	7. PROVIDE HARD LABELS FOR EACH CASE.
	2. PROVIDE A 15A/2P BREAKER FOR CONDENSER CONTROL.	8. CPC TEMP SENSOR PER COMPRESSOR FOR DISCH TEMP & SUCTION TEMP.
	3. DOOR SWITCHES & EXTRA GASKETS BY SALESMAN.	9. DUAL TEMP CASES CONTROLLED BY SWITCH & EPB AT EACH CASE.
	4. STEEL CONTROL LINES TO BE USED.	10. LL SOLENOID W/ BYPASS CHECK FOR CKTs: B-1, B-3, B-14 & B-15.
	5. PROVIDE RACK INSTALLATION MANUAL FOR EACH RACK.	11. SQUARE D BREAKER.
	6. USE "J" TUBES FOR LIQUID CIRCUITS.	12. ICE MACHINE: LIQUID PULLED FROM LIQUID HEADER.

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SYSTEM SPECIFICATIONS PROVIDED:	YES	
The System was Designed based on Specifications Provided on:		11/17/01
By:		Frank Counts