

TECHNICAL SPECIFICATION FOR REFRIGERATED CONTAINER

10' × 8' × 8'6"

MODEL NO: **SS1WN1**

POLYURETHANE INSULATION

ROOF AND SIDE PANEL
 MGSS

— FRONT AND REAR END FRAME CORTEN A / EQUIVALENT

ALUMINUM FLOOR RAIL

— LINING: SIDE & DOOR STAINLESS STEEL (HGSS)

ROOF PRE-PAINTED ALUMINUM SHEET

— DOOR PANELMGSS

TOP & BOTTOM RAIL
 CORTEN A / EQUIVALENT
 CORTEN A / EQUIVALENT

SPEC NO. : SS1WN1-FB ISSUED DATE: February 9, 2009

REVISED DATE:

SHANGHAI REEFERCO CONTAINER CO., LTD.

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1. GENERAL

- The container model SS1WN1 Reefer is designed for the carriage of foodstuffs frozen, chilled and general cargo by road, rail and sea (above or below decks) and is suitable for the environmental conditions imposed by these modes of transports.
- 2) The container is designed for the carriage of deep frozen, frozen and chilled (excluding hung-chilled meat) cargoes in the range -25°C to +25°C with external temperature ranging from -40°C to +50°C and is suitable to be subjected to severe thermal shock.
- 3) Refrigeration unit CARRIER 69NT40

2. STANDARDS & REGULATIONS

— ISO TC - 104

668 -Classification, dimensions and ratings (1995 edition)

1161- Corner fittings-specification (1990 edition)

1496/2 - Specification and testing (1996 edition)

Part 2: Thermal containers

6346 - Coding, identification and marking (1995 edition)

- CSC requirements
- TIR requirements
- Timber components and certificates (No exposed timber to be used)
- USDA requirement and certificate
- Taint test (Acc. BS 3755 last issue)
- UIC registration
- Type approval by classification society

3. DESIGN DATA

3.1 <u>External Dimensions</u>

Length	2,991	mm	(0, -6)	10'
Width	2,438	mm	(0, -5)	8'
Height	2,591	mm	(0, -5)	8'6"

3.2 <u>Internal Dimensions</u> (Nominal)

Length	2,388	mm	(0, -10)
Width	2,290	mm	(0, -8)
Height	2.276	mm	(0 -10)

3.3 <u>Door openings</u> (Nominal)

Width	2,294	mm	(0, -5)
Height — at sill	2,264	mm	(0, -5)
Cargo access height	2,224	mm	(0,-10)

3.4 <u>Cubic Capacity</u> 12.4 m³ 440cu. ft.

3.5 Weights & Ratings

Tare weight	(Including Ref. Unit)	2,030	kg ±2%	(4,480	lb.)
	(Excluding Ref. Unit)	1,500	kg ±2%	(3,310	lb.)
Payload		12,970	kg	(28,590	lb.)
Max. Gross	Weight	15,000	kg	(33,070	lb.)

3.6 Thickness & Density of Thermal Insulating PUR Foam

	Thickness (mm)	Density (kg/m ³)
Side	63	50 - 55
Door	74	50 - 55
Roof	80	45 - 50
Floor	Min. 76	55 - 60
	Max. 135	
Corner		45

3.7 <u>Insulation</u>

Polyurethane foam with R-141b (non-CFC) blowing agent:

Air leakage : Qmax = 5 m³/hr (176.5cu. ft./hr) at 25.4mm WPG inside Heat transfer rate : Umax = 17 kcal/hr. °C (20 W/K) at 20°C mean temp.

4. CONSTRUCTIONS

4.1 Base Frame

1) Forklift pocket : 4.0mm thick pressed profile with 6.0mm thick closed

strip

2) Base panel : 1.6mm thick corrugated panel welded to bottom

side rail

3) Bottom side rail : 4.0mm thick upper and lower cold rolled steel

4.2 Floor

1) Floor board : 40mm high and 63.5mm spaced aluminum extruded

"T" section

2) Floor bow : Aluminum extruded "I" section floor bow shall be

stitch welded to the under side of floor board.

4.3 Front Frame

1) Front top rail : 4.0mm thick pressed profile

2) Front bottom rail : 4.0mm thick pressed profile with load transfer area

brackets

3) Corner Post : Welded construction with 6.0mm thick outer and

4.0mm thick inner

4) Double plate : 4.0mm thick rectangular plates

4.4 Rear End Frame

1) Door Header : Welded construction with 4.0mm thick outer and

3.0mm thick inner, and four (4) vertical gusset

plates welded behind of cam keepers

2) Door Sill : Welded construction with 6.0mm thick outer and

4.0mm thick inner, and four (4) vertical gusset plates

welded behind of cam keepers

3) Corner Posts : Welded construction with 6.0mm thick outer and inner,

and with 12mm thick reinforcement plate.

4) Double plate : 4.0mm thick rectangular plate

4.5 Door Panel

Each door is capable of swinging 270 degree when opened, which is designed to prevent left hand door from opening before right hand door in TIR requirements.

1) Door panel (1) outer – 1.6mm thick pre-painted MGSS sheet

(2) inner – Corten pressed section

2) Door gaskets (1) outer gaskets – EPDM "C" section double lips

(2) inner gaskets - EPDM "O" section

3) Locking gears : SAEJIN SJ-77M or eq., with anti-theft handle & secure cam

& keeper on right door center, hot-dip galvanized 75µ

4) Door hinge : Eight (8) hot dip galvanized steel hinges with nylon

bushes and stainless steel washers.

5) Hinge pin : Φ12mm stainless steel bar fixed by flaring

6) Door lining : 0.7mm thick stainless sheet, with 12mm deep pressed

battens

7) Hinge lug : 6.0mm thick MGSS plate

4.6 Side Wall

1) Outer Cladding : 1.0mm thick M.G.S.S. with vertical corrugations,

welded together by TIG method

2) Inner Lining : 0.7mm thick H.G.S.S. with deep inverted battens,

welded together by TIG method

3) Top side Rail : 4mm thick cold rolled section with chamfer

4) Side post : Two (2) 4.0mm thick pressed omega section

per side, bonded to side panel by bi-adhesive

structure tape or glue

5) Side Stringer : Two(2) per side, MGSS pressed omega section,

spot welding to side lining

4.7 Roof

1) Outer Cladding : 0.8mm thick M.G.S.S. with deep pressed

corrugations, welded together by TIG method

2) Lining : 0.8mm thick one piece pre-painted aluminum sheet,

with small bead corrugations

3) Roof bow : Two (2) pieces MGSS pressed omega section

4) Roof Stringer : Two (2) aluminum omega section, bonded to roof

lining by bi-adhesive structure tape and fixed

with three (3) rivets

4.8 Particular attachment

1) Floor drain

Two (2) drains are provided at each front and rear end. [Total four (4)]

2) Lashing bar

Two (2) pieces lashing bar per side. [Total four (4)]

3) Generator set mounting receptacles

Front corner post and front top rail fitted with receptacles and brackets for mounting clip-on generator set.

4.9 Marking

All containers to be marked in accordance with latest standard regulation and owner's specification.

5. SURFACE PREPARATION AND PROTECTION

5.1. Surface preparation

5.1.1. Prior to assembly

- 1) All steel components, prior to forming, will be short blasted to Swedish Standard Sa 2.5 to remove rust, mill scale etc, and applied with zinc rich primer approx. 10 micron.
- 2) All stainless steel components, prior to forming, will be cleaned to all oil and dirt etc.
- 3) Gear cam keepers will be electro zinc plated. (Thickness: Min. 16 micron)
- 4) Locking rod assemblies are welded with gear cams, bars, holders and handle hinges are hot dip galvanized. (Thickness: Min. 75 micron)

5.1.2. After assembly

- 1) All stainless steel parts will be sweep blasted with non-metallic media and cleaned to remove all oil rust, dirt and hot rolled mill scale and etc.
- Welding seam line will be blasted to remove all welding slags, spatters and other foreign matters.

5.1.3. Polyurethane contact surfaces

Glue or adhesive primer will be applied to the polyurethane contacting surfaces for good adhesion with polyurethane.

5.2. Painting

All steel parts shall be painted as follows:

5.2.1.SPA-H parts

1) Outside surfaces (end frame & side top & bottom rail)

1st primer: Zinc rich primer - 30 micron(after ass'y)
2nd primer: Polyamide epoxy - 40 micron(after ass'y)
3rd Top: Vinyl high build - 40 micron(after ass'y)

(Color: RAL 9010)

2) Polyurethane foaming contact surfaces (inside surface)

1st primer: Polyamide epoxy - 20 micron(after ass'y)

5.2.2. MGSS parts (roof and side panel)

1st primer: Polyamide epoxy - 40micron(after ass'y)

2nd top: Vinyl high build - 40micron

(Color: RAL 9010)

5.2.3. Foaming contact area (HGSS, MGSS and T-FLOOR)

Adhesive primer - 15micron

5.2.4. Door panel

1st primer: Polyamide epoxy - 40micron 2nd primer : Polyurethane - 50micron

(Color: RAL 9010)

5.2.5. <u>Under coating</u>

1st primer: Zinc rich primer - 30micron 2nd Top : Bitumen/wax - 200micron

6. MATERIAL SPECIFICATION

1) The main materials used in construction are as follow:

Where used	Mate	<u>rial</u>	Yield Point	Tensile Strength	Elongation
			(N/mm ²) (min.)	(N/mm ²)(min.)	(%)
Floor Rail	Al. Allo	y Extrusion			
	AA606	1-T6	225	270	8
Roof Lining	Al. Allo	y Sheet			
	AA5052	2-H16/H46	180	240	6
Side/Roof panel		MGSS	205	410	20
door panel					
Side/Door Lining		SUS304	220	510	40
Generator Fitting N	Nut				
Front/Rear Corner	Post	CORTEN A	345	485	
Front Header/Sill		/ equivalent			
Top/Bottom Side F	Rail				
Door Header/Sill					
Forklift pocket					
Corrugated base					
Carbon Steel Pipe		STK 51	360	520	18
Lock Rod					
Carbon Steel for fo	orged	JIS S25C	270	450	25
(Lock Rod Cam Ke	eeper)				
Weldable steel Ca	stings	SCW 480	270	450	21
(corner castings)					
Insulation Tape		Electrolytic E	Buffer of PE		
(Between steel and	d aluminu	ım)			
Foam Tape		Adhesive of	P.V.C.		
Insulation Material		1) Rigid Poly	urethane Foam		



2) Blowing Agent: R141b

2) Fasteners application

Material	Shear Resistance (N)	Tensile Resistance (N)
Aluminum blind rivet diam. 4.8mm (3/16")	4390	4490
Aluminum blind rivet diam. 6.4mm (1/4")	7540	6500
Stainless steel blind rivet diam. 4.8mm (3/16")	4500	5500

3) Sealant

Exposed Sealer

a) Interior surface: MS

b) Exterior surface: Silicone Hidden sealer Butyl

7. TESTING & INSPECTION

- 1. Type approval and inspection of units is carried out by classification society.
- 2. Every container is manufactured under effective quality control procedures to meet the specified standards and align industrial practice. After completion all container dimensions will be checked and door operation checked.

	<u>ltem</u>	Test load
•	Stacking	1.8R – T Load: 86,400 kg/post
•	Top & bottom lifting	2.0 R – T
•	Forklift pocket	1.6R – T (if applicable)
•	Restraint	R – T Load : 1.0R/rail
•	Racking test	
•	Transverse	15,240 kg
	Longitudinal	7,620kg
•	Strength	
	— End wall	0.4 P
	— Side wall	0.6 P
	— Roof	300 kg
	— Floor (ISO +33%)	7,260 kg
_	A '-1' - I-1 11	

- Airtightness test
 - Internal pressure 25 \pm 1 mm Aq.
- Thermal test In compliance with ATP
- Performance test of thermal appliances In compliance with ISO 1496/2
- Taint test in compliance with B.S. 3755-1964 or equivalent



8. GUARANTEE

8.1 Guarantees

The guarantee period will commence the date after the certification has been issued by the classification society.

8.2 Paint Guarantee

The application of paint will be guaranteed against corrosion and paint failure for a period of five (5) years. The guarantee is for faults affecting more than 10% of the painted surfaces and will assure partial or total re-painting of the container. Corrosion caused by acids, alkalis or other chemicals, damage by abrasion, impact or accident are excluded.

8.3 Decal Guarantee

The decals are warranted for seven (7) years to withstand the environmental conditions as "General" mentioned for color, stability & adhesion.

8.4 Other Guarantee

This will be guaranteed against fault in construction, poor workmanship and material for a period of one (1) year. Any damages caused by mis-handing, mis-securing, mis-loading, impact and any accidents relating from bad practices are excluded.

- 9. REVISION
- 9.1 Added USDA requirement and certificate (spec.2.)
- 9.2 Thermal test (spec 7.2.) In compliance with ATP.
- 9.3 Distance between the two fork lifting pockets.
 900mm → 1,540mm, see drawing C20381080

Revised Date: February 9, 2009



CONTAINER REFRIGERATION UNIT TECHNICAL SPECIFICATIONS

ThinLINE Leasing Specification

Model 69NT40-541-300 series

10 June 2008





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1. UNIT PERFORMANCE

1.1. Net R-134a Refrigeration Cooling Capacity

At 38°C (100°F) ambient temperature and 60 Hz Power Supply:

Air to Evaporator	Cooling Capacity		Power	Power Factor
-29°C (-20°F)	3,230 Watt	(11,000 Btu/h)	5.0 kW	0.55
-18°C (0°F)	6,010 Watt	(20,500 Btu/h)	6.4 kW	0.66
2°C (35°F)	10,250 Watt	(35,000 Btu/h)	10.8 kW	0.81

1.2. Evaporator Airflow (Downward)

High Speed: $5,437 \text{ m}^3\text{/h}$ @ 19.0 mm wg^* ($3,200 \text{ ft}^3\text{/min}$ @ 0.75 inch wg) @ 60 Hz Low Speed: $2,379 \text{ m}^3\text{/h}$ @ 6.4 mm wg^* ($1,400 \text{ ft}^3\text{/min}$ @ 0.25 inch wg) @ 60 Hz *Static pressure measured external to the unit.

1.3. Electric Resistance Heating

5,627 Watt (19,200 Btu/h) @ 460 V, 60 Hz (Including fan motor heat.)

1.4. Fresh Air Renewal - 50 Hz @ Zero Ext. Static Pressure (Standard position)

Flow rate: 0 - 180 cmh (106 cfm), Maximum rate meets the ATO requirement. Rate is also affected by the container design. Adjustable disc is located on upper left access panel

1.5. Condenser Airflow

3,908 m³/h (2,300 ft³/min) @ 60 Hz

1.6. Unit Air Leakage

0.142 m³/h @ 50.8 mm wg (5 ft³/h @ 2 inch wg)

1.7. Unit Heat Leakage

3.9 W/K (7.4 Btu/h/°F) calculated

1.8. Low Sound

Does not exceed 78 dB(A) 1.5 meter in front and 1.2 meter above lower corner castings @ 380 V, 50 Hz.

1.9. Bulkhead Resistance

13,000 kg (28,660 lbs)



2. UNIT PHYSICAL DATA

2.1. Unit Weight

531 kg (1170 lbs)

2.2. <u>Dimensions and Drawing references (Standard)</u>

Applicable Drawings:

98-02325, Rev. - Installation and Dimension

98-02327, Rev. - TIR Plan

2.3. Electrical

Operating Voltage Range 400 to 500 V, 3 ph @ 60 Hz $\pm\,2.5\%$

360 to 430 V, 3 ph @ 50 Hz ± 2.5%

(194°F) rating.

Power PlugType CEE17 with earth @ 3h position

Rated 32 A @ 440 VAC.

Circuit Breaker.......Must hold 25 A. Must trip at 29 A

- Address system of wire marking on all wiring (except controller). Control wires to be white, power wires to be red, ground wires to be green with yellow stripe.
- Wire is tin plated multi-strand copper
- Fan motors are single phase

2.4. Refrigeration Piping (Refer to Refrigeration Piping Diagram)

Service Ports SAE J639 R-134a connections are used on

compressor service valves and liquid line.

fusible plug.

Receiver Vessel......Copper with two brass sightglasses, one dry

eye. Coated with acrylic electrocoat system.

Control Components...... Stepper modulation valve provides continuous

capacity control and increased low temperature

capacity, quench TXV for compressor cooling.

Heat Exchanger......Copper, suction-side



3. UNIT DESIGN

3.1. Guidelines

ISO 1496/2-1996(E); ATP; ARI; TIR; AMCA

3.2. Operating Conditions

atmospheric conditions (temperature, wind, rain,

spindrift variations).

Rolling...... Amplitude of 30° on each side, period of 13

seconds

Pitching...... Amplitude of 6°, period of 8 seconds

Vibration...... As encountered by the following types of

transport: naval, land (vehicular) and rail.

Ambient Range-30°C to +50°C (-22°F to +122°F)

4. COMPONENT DESCRIPTION

4.1. Compressor

Model Carrier 06DR241

Thermal Protection Internal, automatic reset

Gas Displacement @ 1750 rpm.. 41 cfm

Oil Pump Reversible, gear

Finish Shotblast, iron phosphate surface preparation,

electrocoat polyester base, electrostatic

polyester powder paint topcoat.

4.2. Condenser Fan Motor

Nominal Rating 560 Watt (3/4hp)

Type......Totally enclosed, non-vented

Speed 1,725 rpm @ 60 Hz

Shaft Material...... Stainless steel type 303/304/316

Frame Size56

Finish Engineered marine finish of electrocoat epoxy

paint.

Thermal Protection Internal, automatic reset

4.3. Evaporator Fan Motors (2)

Nominal Rating (high/low).......... 627/82 Watt (0.84/0.11hp)

Type...... Totally enclosed

Speed (high/low).......3,450/1,725 rpm @ 60 Hz

Shaft Material...... Stainless steel type 303/304/316

3

Frame Size 48

Thermal Protection Internal, automatic reset



4.4. Condenser Coil

Number of Rows......3

Tube Material......Copper, patented enhanced internal cross-

hatched surface.

Fin Material......Copper, patented wave design.

Tube/Fin Coating Patented Acrylic Electrocoat

Fin Spacing...... 14 per 25.4 mm (1 inch)

Face Area 0.414 m² (4.46 ft²)

Fin Surface Area......25.5 m² (275 ft²)

Tubesheets (4)......Copper

4.5. Evaporator Coil

Attitude......30° from horizontal

Tube Material......Copper, patented enhanced internal cross-

hatched surface.

Fin Material Aluminum

Face Area 0.63 m² (6.73ft²)

Number of circuits......16

Tube Sheets Aluminum (mounting hardware is 300-series

stainless steel).

Fin Spacing...... 8 per 25.4 mm (1 inch)

Tube/Fin Treatment Oakite Cryscoat-747, or Parco Cleaner-PC2323

4.6. Condenser Fan

Type......Axial, 9 blade

Number.....1

Drive Direct via stainless steel motor shaft

Diameter 445 mm (17.5 inch)

Material 15% glass filled nylon

4.7. Evaporator Fans

Type......Vane axial, 11 blade

Number......2

Drive Direct via stainless steel motor shaft

Diameter 330 mm (13 inch)

Material 15% glass filled nylon

4.8. Heaters (Defrost and Heating)

Main Heater Rods......Six U-shaped tubular with stainless steel sheath.

Rated 750 Watt each @ 230 VAC.

4.9. Electrical Controls Circuitry

Control Circuit Transformer

Control Circuit Voltage......24 VAC (1 ph. @ 460 VAC, 60 Hz)

(nominal)......20 VAC (1 ph. @ 380 VAC, 50 Hz)



Insulation Class H

Indicator Lights

Function/Color:

Contactors

Full load amp rating @ 600 VAC:

Main On-Off Switch

Location External face of unit

Type Toggle switch (bayonet)

Protection O-ring sealed shaft

Rating 10 A @ 115 VAC

4.10. Safety Devices

High pressure switch, settings:

Fusible Plug pressure relief device

Temperature setting 99°C (210°F)

High temperature safety

Temperature setting......54°C (130°F)

Circuit Breaker (CB1)

Trips at......29 amps

<u>Fuses</u>

Control Circuit

Rating 7.5 A (x2)

Type...... Auto blade, SAE J1284

Microprocessor

Rating 5 A (x2)

Type......Auto blade SAE J1284



5. UNIT CONTROL SYSTEM

5.1. Temperature Controller/DataCorder

Controlling and

Recording Range......-30°C to +30°C (-22°F to +86°F)

Controller (2) and

Recording (2) Probes...... Precision 10,000 Ohm Thermistor

Probe locations Air entering the evaporator coil (return) and air

leaving the evaporator coil (discharge).

Recorder memory...... Minimum 1-year of trip information.

Interrogation......5-pin connector (Veam or equivalent), unit front.

5.2. Cooling Capacity Control

Chilled Mode, Set Point Above -10°C (14°F)

Control range ±0.25°C (± 0.45°F)

Frozen Mode, Set Point Below -10°C (14°F)

Type of Capacity Control Compressor on/off

Heating Locked out

5.3. Defrost

Type...... Electrical heating

Intervals Selectable, timed or automatic

Selected intervals 3, 6, 9, 12 or 24 hours

Automatic...... If selected, the unit microprocessor will

determine the defrost interval based on the previous defrost length and previous defrost interval. Minimum defrost interval will be 3

hours and maximum 24 hours.

Defrost termination (DTS) coil temperature sensor

Manual initiation...... Press the manual defrost key on the unit keypad

for (5) seconds.

Time delay maintains the in-range light energized throughout the defrost cycle and for 30 minutes after termination of defrost.



6. MATERIALS AND COATINGS

6.1. Materials

Main frame......5000 and 6000 aluminum

Evaporator Compartment Riveted, formed 3000 or 5000 Aluminum

Motor mounts/stators.......A380 series die cast aluminum

Control box"Weather tight" design

Door Aluminum, includes treated polycarbonate

window, and removable hinge pins.

Gasket Closed cell neoprene

Access Panels Two aluminum faced, insulated and gasketed

panels. The upper left (cable side) panel houses

the air exchange assembly.

Insulation (Foam)......Non-CFC blown (R-134a)

Average thickness 57.2 mm (2.25 inch)

Peripheral Air Seal......Flat PVC wiper.

Machine screws, hinges ASTM type 300 stainless steel

bolts/nuts/washers, and rivets.

Self-tapping screws ASTM type 410 stainless steel with proprietary

coating.

Charging/ service valves...... Brass

Exposed dissimilar metals Fitted with mylar 0.25 mm (0.010 inch) thick

Discharge Pressure

Regulating Valve Copper body – internal components are brass

and stainless steel

6.2. Coatings

Main frame, compressor...... Chemical cleaning, Chromate

base and compartment.

control box and door,

fan venturi and grill, panels

conversion coating, One coat of

polyurethane protective coating.

(triglycidylisocyanurate) polyester paint,

electrostatically applied powder process,

oven baked.

Filter drier...... Baked powder paint

Pressure relief device, Hand applied vinyl or

high pressure switch, exposed refrigerant lines.

liquid line charging valve,

service valves, quench TXV



7. FEATURES FOR POST-PRODUCTION INSTALLATION

Some options, not included during the original production, can be added in the field. The unit is designed to simplify installation of the following kit options unless the provision is specifically omitted.

- *Power Line Remote Monitoring
- *Dual voltage by transformer module
- *Vent position sensing
- *Water cooled condenser

Receiver and water cooled condenser assemblies are interchangeable

8. <u>LISTING OF OPTIONS INCLUDED AND INSTALLED IN THE UNIT</u>

Power-Up Rechargeable Battery

A rechargeable battery pack is provided to allow access to the microprocessor operator-adjustable parameters when no mains power is present. This allows the user to adjust parameters such as set point, defrost interval and current limit. User can also retrieve DataCorder data when not connected to mains power. The battery pack includes the battery housing which fits into the controller module and Ni-Cad batteries that recharge when the unit is on.

The DataCorder will wake up and record information on a regular (selectable) interval when in the USDA cold treatment mode. Battery provides a minimum of 72 hours of service from full charge when operating at -18°C (0°F) at 1 hour logging intervals.

Dehumidification Control

The unit is equipped with the ability to dehumidify. The function is selected via code select method, and indicated by the flashing of the supply probe indicator light. The set point range is 65% to 95%. The sensor is located near the evaporator fan motor (right side facing unit). Sensor accuracy is +/-3% from 50 to 80% relative humidity and +0/-2% from 80 to 98% humidity. Dehumidification is achieved by energizing the heaters during the cool mode. Heaters are not energized when out of the control temperature set point range.

USDA Cold Treatment

The unit is prepared for the recording of three pulp temperatures for the purpose of meeting the USDA cold treatment criteria. An optional fourth probe can be added, but is not included as a USDA cold treatment requirement. For the connection of the USDA pulp probes, Deutsch HD10-3-96 P style receptacles are provided. The optional probes are thermistor type. Connectors are mounted on the controller side of the evaporator sheet metal.

Partlow Provision (Electrical and Mechanical)

The unit is specially configured for ease of field installation of either the Electronic or Mechanical Partlow. This includes wiring, brackets and mounting holes.

TransFresh Port Provision

For ease of field installation of the TransFresh system, unit penetrations for the purge port are included.



REFRIGERATION PIPING DIAGRAM

