



N ^o OFF	PUMP	CAPACITY I.G.M.	HEAD FT	MOTOR	
				HP	R.P.M.
2*	DOMESTIC REFRIG S.W. CIRC.	21-65	80	3	1800
2	CARGO REFRIG S.W. CIRC.	21-65	80	3	1800
1	N ^o 4 A/C UNIT S.W. CIRC.	73-3	74	5	1750
1	N ^o 5 A/C UNIT S.W. CIRC.	73	69	5	1750
1	N ^o 6 A/C UNIT S.W. CIRC.	35	53	5	1750
1	N ^o 2, 3 1/2 A/C UNIT S.W. CIRC.	193-5	122	17.5	1750

PUMPING TABLE												
SUCTION		DISCHARGE										
	SEA BAY - PROP MOTOR ROOM	SEA BAY - FORWARD ENGINE ROOM		DOMESTIC REFRIGERATION UNIT	CARGO REFRIGERATION UNIT	N° 2 A/C UNIT	N° 3 A/C UNIT	N° 4 A/C UNIT	N° 5 A/C UNIT	N° 6 A/C UNIT	N° 13 A/C UNIT	
DOMESTIC REFRIG S.W CIRC PUMPS	●			●								
CARGO REFRIG. S.W CIRC PUMPS	●				●							
N° 4 A/C UNIT S.W CIRC PUMP		●	●					●				
N° 5 A/C UNIT S.W CIRC PUMP	●									●		
N° 6 A/C UNIT S.W CIRC PUMP	●										●	
N° 2,3,13 A/C UNIT S.W CIRC PUMP		●				●	●				●	

SYMBOL	DESCRIPTION
	GLOBE VALVE - S.D.S.L.
	GLOBE VALVE - S.D.N.R.
	REGULATING VALVE
	ANGLE VALVE - S.D.S.L.
	SWING CHECK VALVE
	STRAINER
	COMPOUND GAUGE
	PRESSURE GAUGE
	CONCENTRIC REDUCER
	ITEMS SUPPLIED WITH EQUIPMENT
	REGULATING VALVE - 3 WAY
	THERMOMETER
	ORIFICE PLATE
	BALL VALVE
	DIPLEX STRAINER

ALL PIPING TO BE ASTM A53 - 60T GRADE A SEAMLESS CARBON STEEL
DOUBLE GALVANIZED AFTER FABRICATION. 1 1/2 NOM. BORE AND OVER TO BE
SCH. 40. 1 1/4 NOM. BORE AND UNDER TO BE SCH. 80.

FITTINGS: 1 1/2 AND OVER TO BE 150* ASA STANDARD, FABRICATED STEEL, SLIP-ON, FLAT FACED FLANGES. 1 1/4 AND UNDER TO BE BRONZE UNION CONNECTIONS.

VALVES:- SHIPSIDE VALVES TO BE CAST STEEL WITH STAINLESS STEEL TRIM, 0.5%
BOLTED BONNET AND FLANGED TO ASA 150* FLAT FACED. IN LINE VALVES
TO BE BRONZE BODY AND TRIM, 0.5% LY, BOLTED BONNET AND FLANGED TO
ASA 150* FLAT FACED. CHECK VALVES 1 1/4 AND UNDER TO BE 150* SCREWED
WITH BRONZE BODY AND TRIM.

GASKETS:- CRANE OR EQUAL $\frac{1}{16}$ THK. GREY RUBBER CLOTH INSERT.

BOLTING:- NUTS AND BOLTS CARBON STEEL TO ASTM A307-59T GR 1

NOTES:- 1. ALL MATERIAL, WORKMANSHIP, TESTING AND INSTALLATION TO BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF LLOYDS AND C.C.G. (SHIP SAFETY DIVISION) AND TO OWNERS SATISFACTION.

2. OVERBOARD DISCHARGE VALVES TO BE S.D.N.R. GLOBE TYPE LOCATED NOT LESS THAN 18' BELOW THE LIGHT LOAD LINE. PROVISION FOR STEAMING OUT CONNECTION TO BE PROVIDED ABOVE VALVE SEAT.

3. ALL PIPES TO BE CLEAN AND FREE FROM SLAG AND DIRT BEFORE ERECTION IN SHIP.

4. DRAIN AND V

5. PIPING TO BE TESTED BEFORE GALVANIZING.

6. SYSTEM TO BE HYDRAULICALLY TESTED TO TWICE THE WORKING PRESSURE

ALTERATIONS

REFERENCES

REV.	ZONE	DESCRIPTION	DATE APP.	OWNER DATE APP.	No.	TITLE	DWG. No.
A		ORIFICE PLATES IN REFRIG. PIPING'S DOWNSTREAMED N° 5 & 6 NEW CIRC. DIA. 2 INCH INCREASED TO 3". DISC INCREASED TO 2". N° 18 A/C UNIT CAPACITY INCREASED TO 2-1/2 TONS. VELOCITIES MONITORED ACCORDINGLY. ORIFICE PLATES ADDED AT N° 23 & 24 AND N° 26 & 27 NEW CIRC. PUMP DISCONNECTS.	10/5/68		1	FIRE I WASHDECK DIAG.	SA-2030-1
B		LLORENZO L. O. G. (E.S.I.) APPROVED WITHOUT COMMENTARY.					
C		LOCATION OF A/C 5 IN. CIRC. PUMPS FOR UNITS N° 5 AND 6 REVERSED. PIPING AND VALVE SIZES AND FITTINGS WERE CHANGED TO SUITE (SEE M.O.T. PLAN 24/11/68) FOR ACCEPTANCE 25/1/68	25/1/68				
D		PLAN GENERALLY REVISED TO SUIT FARTHEST DWG.	25/1/68				
E		SIZE OF ORIFICE PLATES & PIPE NUMBERS ADDED.	25/1/68				
F		ORIFICE PLATE DIA. INCREASED TO 6" FROM 4.5" (SC-265)	11/1/68				
G		AS FITTED	4/1/68				
H		AS FITTED	21/4/68				
I		AS FITTED	24/1/68				
J		AS FITTED					
K		AS FITTED					
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