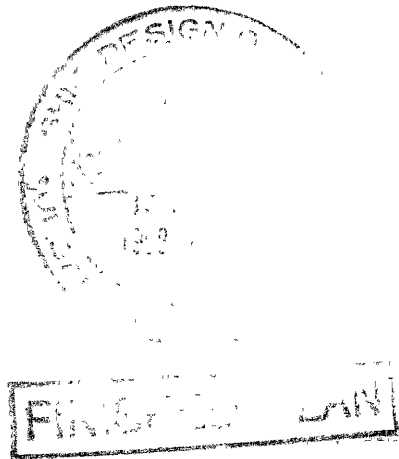



DATA BOOKLET



(79 SHEETS WITH COVER)

	SEC.NO. C356	SHIP DESIGN OFFICE DESIGN COORDINATION DEPT	SHIP TYPE 149,000 DWT CLASS BULK CARRIER
	TEL.NO. 3826	SHIP NO. 1 1 0 0	SHIP NAME NEWJOY
DATE 19 . .	APPROVED	<u>Y. R. PARK</u>	NAME OF DRAWING DATA BOOKLETS (MACH. PARTICULARS & MAKER'S ADDRESS)
	CHECKED	<u>G. Y. KIM</u>	
	DRAWN	<u>Y. B. LEE</u>	SCALE /
 HYUNDAI HEAVY INDUSTRIES CO., LTD. ULSAN SHIPYARD, KOREA			DRAWING NO. 7G-9000-000
			CONSOLIDATED NO.

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LIST OF MACHINERY PARTICULAR & MAKER'S ADDRESS

SHIP NO.: 1100

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DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
1	A)WINDLASS COMBINED WITH MOORING WINCH	K9095III-W416	2	COMPOSITION 1 CABLE LIFTER + 2 MOORING DRUM + 1 WARPING HEAD PARTICULAR OF CABLE LIFTER 1) CAPACITY . 44 TON X 9 M/MIN 2) FOR DIA 95MM GRADE 3 ANCHOR CHAIN 3) WINDING OVER LOAD FOR 2 MIN : 66 TON 4) BRAKE HOLDING CAPACITY : 296 TON	16700 KG/SET	FUKUSHIMA LTD
	B)MOORING WINCH	W216	6	COMPOSITION 2 MOORING DRUMS + 1 WARPING HEAD (5 SETS) 2 MOORING DRUMS + 1 WARPING HEAD (1 SET) PARTICULAR OF MOORING WINCH 1) CAPACITY . 15 TON X 15 M/MIN 2) SLACK ROPE SPEED : 45 M/MIN 3) BRAKE HOLDING CAPACITY : 72 TON 4) NON-SPLIT DRUM FOR 70MM DIA. NYLON ROPE X 220M	6500 6800 KG/SET	
	C)HYD. PUMP & REDUCTION GEAR (INCLUDING EL-MOTOR)	FG16 X 225 R/M	4	1) WORKING PRESSURE 40 BAR 2) POWER CONSUMPTION . 70 KW X 4	1110 KG/SET	
	D)REMOTE CONT.	PR-40VHE12 PR-40VHE12R	4 8	DOUBLE LEVER CONTROLLER FOR W1, W2, M5 & M6 SINGLE LEVER CONTROLLER FOR M1, M2, M3, M4 -CAPACITY : 110,000 Kcal / H	80KG/SET 45KG/SET	

DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
2	ANCHOR	HIGH HOLDING POWER TYPE	2	1) WEIGHT : 11,025 KG 2) MAT'L : CAST STEEL	11025 KG/SET	INCHON IRON & STEEL CO., LTD.
3	ANCHOR CHAIN	STUD LINK CHAIN	1	1) SIZE : 95MM X 742.5M 2) MAT'L : EXTRA HIGH STRENGTH STEEL 3) FLASH BUTT WELDED STUD LINK CHAIN CABLE	151470 KG/SHIP	DAI-HAN ANCHOR CHAIN MFG CO., LTD.
4	VENTILATION SYSTEM					
	A) BOSUN STORE	FP-C70K	1	1. CAPACITY : 250m ³ /MIN X 30 MMAQ 2 SUPPLY	308/SET	O-YANG KONG JO KI CO., LTD.
	B) STEERING GEAR ROOM	FP-75M	1	1 CAPACITY 350m ³ /MIN X 40 MMAQ 2 SUPPLY	206/SET	
	C) PIPE DUCT	FP-C95J	1	1. CAPACITY : 470m ³ /MIN X 80 MMAQ 2 EXHAUST	470/SET	
	D) EMERGENCY GENERATOR ROOM	FP-C35G	1	1. CAPACITY : 20m ³ /MIN X 15 MMAQ 2. SUPPLY	115/SET	

DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
5	LIFE BOAT	HDL65CT TOTALLY ENCLOSED TYPE	2	1) WATER COOLED DIESEL ENGINE (TYPE : DV 24 RME) (MAKER : BUKH , DENMARK) 2) DIMENSION : 6500 L x 2400 B x 2550 H 3) NUMBER OF PERSONS : 25PERSONS	2600 KG/SET	HYUNDAI PRECISION & IND. CO., LTD.
6	LIFE BOAT DAVIT & WINCH	HINGED GRAVITY TYPE	2	1) HOISTING LOAD : A) LIFE BOAT (P-SIDE) : 2,950 KG B) LIFE BOAT/RESCUE BOAT (S-SIDE) : 3,250 KG 3) HOISTING SPEED A) LIFE BOAT : 4 M/MIN. B) LIFE BOAT/RESCUE BOAT : 8M, 18M/MIN. 4) ELEC MOTOR A) LIFE BOAT : 7.5 KW X 4P X 1750 RPM B) LIFE BOAT/RESCUE BOAT : 22 KW X 4P X 1770 RPM 5) ELEC. SOURCE : AC 440V. 60HZ 3ø	ABT. 1100 KG/SET (WINCH/ MOTOR) 3600 KG/SET (DAVIT)	DONG NAM ENTERPRISE CO., LTD

DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
7	4.0 TON F.O.HOSE & SUEZ MOORING BOAT HANDLING DAVIT/ WINCH	FIXED AIR MOTOR DRIVEN WINCH	2	1) TYPE : FIXED JIB 2) SAFETY WORKING LOAD : 4,000 KG 3) TESTING LOAD : 5,000 KG 4) HOISTING SPEED : abt. 5 M/MIN 5) LIFTING HEIGHT : 22.5 M 6) AIR MOTOR : 7.3 PS X 660 RPM	ABT. 1,800/SET	ORIENTAL PRECISION & ENGINEERING CO., LTD.
8	ACC. LADDER WINCH/MOTOR	FIXED ELEC. MOTOR DRIVEN WINCH	2	1) TYPE : PINION GEAR SELF ACTION BRAKE 2) FIXED ELEC. MOTOR : 5.5 KW X 4P, 60HZ 3 ø 3) HOISTING LOAD : 855 KG 4) SUPPORTING LOAD 1,017 KG 5) ROPE SPEED . ABT. 20 M/MIN	ABT. 4,300/SET	SAMGONG CO., LTD.
9	SLUDGE HANDLING DAVIT/WINCH	DAVIT/SMSD-1A SHIN MYUNG	1	1) TYPE : MOVABLE TYPE 2) AIR PRESSURE : 7 KG/cm ² 3) PORTABLE AIR MOTOR CAPACITY . 1.2PS X 600RPM 4) HOISTING SPEED : 30 M/MIN 5) HOISTING LOAD : 100 KG 6) TESTING LOAD : 125 KG 7) HOISTING HEIGHT : 26M	ABT. 100/SHIP	SHIN MYUNG IND. CO.,

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DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
10	5 TON PROVISION HANDLING CRANE	MCV1301 5T X 14.1M	1	1) LIFTING CAPACITY : SWL 5 TON 2) HOISTING SPEED : 15 M/MIN. 3) LIFTING TIME : 45 SEC. 4) SLEWING SPEED . 1.2 R.P M. 5) WORKING RADIUS : MAX. = 14.1 M MIN = 3.0 M - ELEC. MOTOR DATA - 1) MOTOR OUTPUT : ABT. 37KW 2) MAIN SOURCE : 440V/60HZ/3ph 4) MOTOR R.P.M : 1775 R.P M 5) FULL LOAD CURRENT : ABT. 62A	ABT. 7300 KG/SET	HYUNDAI HEAVY IND. CO., LTD. INDUSTRIAL PLAN' DIVISION

005

DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
11	SECONDARY FIRE PUMP	RVP 130S	1	1) ELECTRIC MOTOR DRIVEN, SELF-PRIMING, VERTICAL, CENTRIFUGAL 2) CAPACITY 72 m ³ /HR X 80 MTH 3) MOTOR OUTPUT : 37KW 4) MOTOR SPEED : 1800 RPM	510 KG/SHIP	SHINKO IND. LTD.
12	AIR PURGE TYPE TANK LEVEL GAUGE & DRAFT GAUGE SYSTEM		1	1) AIR PURGE TYPE TK LEVEL GAUGE : 16 SETS 2) AIR PURGE TYPE DRAFT GAUGE : 2 SETS 3) AIR SUPPLY UNIT : 1 SET	abt. 150 KG/SHIP	NAKAKITA SEISAKUSHO CO., LTD.
13	HYD. VALVE REMOTE CONTROL SYSTEM		1 ST	1) HYDRAULIC POWER UNIT · 1SET WORKING PRESS. · 105 BAR . OIL Q'TY : 100 LITERS 2) BALLAST CONTROL CONSOLE : 1 SET 3) VALVE ACTUATOR (DOUBLE ACTING TYPE) : 60 SETS 4) SOLENOID VALVE BOX : 6 SETS	abt. 2900 KG/SHIP	SAMGONG CO., LTD
14	CO2 FIRE EXTINGUISHING SYSTEM		1 ST	1) 45 KG CO2 BOTTLE : 170 BOTTLES 2) CO2 RELEASE CABINET : 2 SETS 3) CO2 DISCHARGE NOZZLE : 45 SETS	abt. 26400 KG/SHIP	NK FIRE PROTECTION LTD.

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DATA BOOKLETS (MACHINERY PARTICULARS)

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
15	CARGO HATCH COVER	SIDE ROLLING TYPE	9	<ol style="list-style-type: none"> 1. HATCH SIZE (L X B MM) NO. OF PANEL NO. 1 & 9 HATCH : 14,025 X 17,000 2, EACH NO. 2~8 HATCH : 14,025 X 20,000 2, EACH 2. H/COVER TYPE : SIDE ROLLING TYPE (CHAIN DRIVEN) 3. UNIFORM DISTRIBUTED LOAD:1.75METRIC TON/m² 4. COVER LIFTING : BY HYD. JACK CYLINDER (ONE WHEEL / ONE JACK) 5. STRUCTURE <ul style="list-style-type: none"> - OPEN CONSTRUCTION - COVER TOP : PEAKED TOP (WITH CAMBER) - SUPPORTING METHOD : OUTSIDE REST 6. OPERATION : SIMULTANEOUS OPERATION BY CHAIN DRIVEN WITH HYD. OIL MOTOR 7. CLEATING : MANUAL QUICK ACTING CLEAT 8. POWER UNIT <ul style="list-style-type: none"> - 2 PUMPS - ELEC. MOTOR :5.5kw X 2SETS - OIL TANK : 500L 9. EM'CY OPERATION : BY PORTABLE HAND PUMP AND WIRE PULLER 	456790 KG/SHIP	NAKATA MAC CO.

MAKER'S ADDRESS

SHEET NO :

MAKER'S NAME	ADDRESS	TELEPHONE/ FAX	TELEX	REMARK
FUKUSHIMA LTD.	4-9, YONBAN-CHO, CHIYODA-KU, TOKYO JAPAN	(81) 3-3265-3161 FAX) (81) 3-3264- 5764	232-2310 FUKUSAYJ	DECK MACHINERY
INCHON IRON & STEEL CO., LTD.	1, SONGHYUN-DONG, DONG-KU, INCHON KOREA	032-763-5000 FAX) 032-763-5046	K27460 WESTEEL	ANCHOR
DAI HAN ANCHOR CHAIN MFG. CO., LTD.	740, DOWHA-DONG, NAM-KU, INCHON KOREA	032-862-0091 FAX) 032-863-5114	K26426 DHCHOCO	ANCHOR CHAIN
O-YANG KONG JO KI CO., LTD.	641-5, SUNGKOK-DONG, ANSAN, KYUNGKI-DO KOREA	0345-494-6001~2 FAX) 0345-494-6003		VENTILATION FAN
HYUNDAI PRECISION & IND. CO., LTD.	265-1, YUMPO-DONG, ULSAN, KOREA	052-280-9365~8 FAX) 052-280-9093	DHPICK23238	LIFE BOAT
DONG NAM ENTERPRISE CO., LTD.	1172-4, NAESAM-RI, CHUCH' ON-MYON, KIMIAE-CITY, KOREA	051-204-5551-5 FAX) 051-204-2211		LIFE BOAT DAVIT WINCH/MOTOR
ORIENTAL PRECISION & ENGINEERING CO., LTD.	370-18, SHINPYUNG-DONG, SAHA-KU, PUSAN KOREA	051-202-0101 FAX) 051-202-5877		4.0 TON F. O. HOSE/ SUEZ MOORING BOAT HANDLING DAVIT
SANGONG CO., LTD.	532, SHINPYUNG-DONG, SAHA-KU, PUSAN KOREA	051-205-7101-5 FAX) 051-205-7117	SANGONG K53463	ACCOM. LADDER WINCH/MOTOR
SHIN MYUNG IND. CO.,	370-48, SHINPYUNG-DONG, SAHA-KU, PUSAN KOREA	051-205-7091/7330 FAX) 051-205-7092		SLUDGE HANDLING DAVIT/WINCH

MAKER'S ADDRESS

SHEET NO :

MAKER'S NAME	ADDRESS	TELEPHONE/ FAX	TELEX	REMARK
HYUNDAI HEAVY IND. CO., LTD. INDUSTRIAL PLANT DIVISION	1, CHEONHA-DONG, DONG-KU, ULSAN, KOREA	052-230-3928 FAX) 052-230-3274	PLANT K 52320	PROVISION HANDLING CRANE
SHINKO IND. LTD	5-7-21, OHZU, MINAMI-KU, HIROSHIMA JAPAN	(81) 82-508-1000 FAX) (81) 82-508- 1020	652455	SECONDARY FIRE PUMP
NAKAKITA SEISAKUSHO CO., LTD.	1-1 FUKONO MINAMI-MACHI, DAITO-SHI OSAKA JAPAN	(81) 720-71-1341 FAX) (81) 720-74- 7501	5349-129 NAKAKITA SEISAKUSHO DIT	AIR PURGE TYPE LEVEL & DRAFT GAUGE SYS.
SAMGONG CO., LTD.	532, SHINPYONG-DONG, SAHA-KU, PUSAN KOREA	051-205-7101~5 FAX) 051-205-7117	SAMGONG K53463	HYD. VALVE REMOTE CONT. SYS.
NK FIRE PROTECTION LIMITED	648-1, SHINPYUNG - DONG, SAHA-KU, PUSAN, KOREA	051-204-2211~14 F) 051-204-2215 207-2216		CO2 FIRE EXTINGUISH SYSTEM
NAKATA MAC CORPORATION	KATOKICHI - TSUKIJI BLDG, 5F, 6-4-10, TSUKIJI, CHUO-KU, TOKYO 104, JAPAN	(81) 3-5550-0781 FAX) (81) 3-5550- 4957		CARGO H/COVER SYSTEM

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (Kg/SHIP)	MAKER
1	AIR CON. SYS.						
	1.AIR HANDLING UNIT	HPB-07	1	1) FAN -REVOLUTION : 2,470 RPM -CAPACITY : 13.442m ³ /H -STATIC PRESSURE : 238mmw.g 2) FAN MOTOR -EL SOURCE MAIN : AC 440V 60Hz 3P CONTROL : AC 220V 60Hz 1P -OUTPUT : 17.25 Kw -REVOLUTION : 1 752 RPM 3) COOLER -MEDIUM : R-22 -CAPACITY : 154,800 Kcal/H 3) PRE-HEATER -MEDIUM : 6 Kg/m ³ , STEAM -CAPACITY : 151,070 Kcal/H		1460Kg/ UNIT	HI-PRES KOREA HI-PRES KOREA HI-PRES KOREA
	1. CONDENSING UNIT	MCU 28/322338 V	1	1) COMPRESSOR -NO OF CYLININDER : 8 -BORE : 70MM -STROKE : 70MM -REVOLUTION : 1,580 RPM -CAPACITY : 180 Kw [ATEVAP. TEMP 5.0 °C] 2) COMPRESSOR MOTOR -EL SOURCE MAIN : AC 440V 60Hz 3P CONTROL : AC 220V 60Hz 1P -OUTPUT : 42.5 Kw -REVOLUTION : 1,776 RPM		2200Kg/ UNIT	HI-PRES KOREA (SABROE) HI-PRES KOREA (ROTOR)

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (Kg/SHIP)	MAKER
				3) CONDENSER -COOLING WATER MEDIUM SEA WATER -COOLING WATER CONSUMPTION : 50 m ³ /H -PRESSURE DROP . 3.1 mm w g			HI-PRES KOREA (SABROE)
2.	MECH. VENT SYS.						
	1. SANITARY EXH. FAN	CENTRIFUGAL [CAN-400]	1	-EL. SOURCE . AC 440V,60Hz,3P -OUTPUT : 1.62 Kw -CAPACITY : 3 925m ³ /H -STATIC PRESSURE . 880 Pa -REVOLUTION : 1,800 RPM		79Kg	HI-PRES KOREA
	2. GALLEY EXHAUST FAN	AXIAL FAN [ADW-500/330-10]	1	-EL. SOURCE . AC 440V,60Hz,3P -OUTPUT : 0.56 Kw -CAPACITY : 2,715m ³ /H -STATIC PRESSURE . 321 Pa -REVOLUTION . 1,680 RPM		70Kg	HI-PRES KOREA
	3. GALLEY SUPPLY FAN	AXIAL FAN [ADW-400/230-6]	1	-EL. SOURCE . AC 440V,60Hz,3P -OUTPUT : 0.14 Kw -CAPACITY : 1,358m ³ /H -STATIC PRESSURE . 165 Pa -REVOLUTION . 1,680 RPM		47Kg	HI-PRES KOREA

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (Kg/SHIP)	MAKER
3.	PROV.REF.PLANT						
	1. COMPRESSOR	BFO-3	2	-NO.OF CYLINDER : 2 -BORE : 55 MM -STROKE : 49 MM -REVOLUTION : 1,067 RPM -CAPACITY : 11.3 Kw [ΔTEVAP.TEMP.-25.1 °C]		273Kg/ UNIT	HI-PRES KOREA (SABROE)
	2. COMPRESSOR MOTOR	4AP 100L-4	2	-EL. SOURCE : AC 440V,60Hz,3P -OUTPUT : 3.45 Kw -REVOLUTION : 1,716 RPM			HI-PRES KOREA (ROTOR)
	3. CONDENSOR	CRNF 2212233	2	-COOLING WATER MEDIUM : SEA WATER -COOLING WATER CONSUMPTION : 2.3m ³ /H -PRESSURE DROP : 4.7 m w.g			HI-PRES KOREA (SABROE)
	4. UNIT COOLER	HFS3-SS HFS3-SS HFS1 HFS1	1 1 1 1	-MEAT ROOM -FISH ROOM -VEGETABLE ROOM -LOBBY ROOM			HI-PRES KOREA (SABROE)
4.	NAVIGATION SYSTEM						
	1. WINDOW WIPER	WSI-H-S (STRAIGHT LINE TYPE)	3	-EL SOURCE : AC220V 60Hz 1Ph -STROKE LENGTH : 1100 mm -BLADE WITH : 500 mm		20	JUNG-A MARINE MFG. CO., LTD.
	2. CLEAR VIEW SCREEN	KYJ350-H (WEATHER PROOF TYPE)	2	-EL.SOURCE : AC220V 60Hz 1Ph -CLEAR SIZE : 350 DIA		13	JUNG-A MARINE MFG. CO., LTD.

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (Kg/SHIP)	MAKER
5.	GALLEY EQUIPMENT						
	1. COOKING RANGE	52082 (ME249-001)	1	-EL SOURCE AC440V 60Hz 3Ph -EL. LOAD : 17.5 Kw -4 HOT PLATE + 1 OVEN		190	ELECTROLUX
	2. SOUP BOILER	EBE040+EBE040	1	-EL.SOURCE : AC440V 60Hz 3Ph , AC220V 60Hz 1Ph -EL. LOAD : 9.5 Kw + 9.5 Kw			ELECTROLUX
	3. REFRIGERATOR (650L)	169382	1	-EL.SOURCE : AC220V 60Hz 1Ph -EL. LOAD : 0.52 Kw		140	ELECTROLUX
	4. SLICING MACHINE (20L)	169887 (EC020)	1	-EL SOURCE : AC220V 60Hz 1Ph -EL. LOAD : 0.15 Kw		19	ELECTROLUX
	5. MIXING MACHINE (20L)	168496 (EM20AH)	1	-EL.SOURCE : AC220V 60Hz 1Ph -EL. LOAD : 0.75 Kw		118	ELECTROLUX
	6. TOASTER	169802 (TA-04)	1	-EL.SOURCE : AC220V 60Hz 1Ph -EL. LOAD : 1.3 Kw		3	ELECTROLUX

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (Kg/SHIP)	MAKER
6.	LAUNDRY EQUIPMENT						
	1.WASHING MACHINE	WF-T104	1	-EL.SOURCE : AC220V 60Hz 1Ph -EL. LOAD : 0.54 Kw -CAPACITY : 10 Kg			L.G ELECTRONIC CO.
	2.WASHING MACHINE	WF-55B	2	-EL.SOURCE : AC220V 60Hz 1Ph -EL LOAD : 0.39 Kw -CAPACITY : 5.5 Kg			L.G ELECTRONIC CO.
	3.DRYING TUMBLER	1350 SR	1	-EL SOURCE : AC220V 60Hz 1Ph -CAPACITY : 5 Kg			DONGYANG MAGIC.
	4. HAND STEAM IRON	GSI-S1246H	1	-EL SOURCE : AC220V 60Hz 1Ph -EL LOAD : 1 Kw			L.G ELECTRONIC CO.

7 MAKER'S ADDRESS FOR 1100

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
DAE HYUP CO.	1108-39, PYUNGSAN-RI, UNGSANG-MYEON, YANGSAN-KUN, KYUNGNAM, KOREA	TEL) 82-523-81-6601 FAX) 82-523-84-0822		DECK COMPOSITION
ELECTROLUX FOOD SERVICE	S-441, 82 ALINGSAS, SWEDEN	TEL) 46-322-74000 FAX) 46-322-37747		GALLEY/LAUNDRY EQUIPMENT
HYUNDAI LIVART CO , LTD.	799-36, YEOMPO-DONG, DONG-KU, ULSAN, KOREA.	TEL) 82-52-250-6242 FAX) 82-52-234-3326		WOODEN FURNITURE CHAIR & SOFA
KEUM KANG LIMITED	27-8, JANWON-DONG, SECHO-KU, SEOUL, KOREA.	TEL) 82-2-511-5680 FAX) 82-2-543-8214		INSULATION
COSMO CO., LTD.	84-18. GUSEO-DONG, KEUMJEONG-KU, PUSAN, KOREA.	TEL) 82-523-385-2088 FAX) 82-523-385-2081		DOOR DOOR LOCK
KANGRIM INSULATION CO., LTD	505. SINPYUNG-DONG, SAHA-KU, PUSAN, KOREA.	TEL) 82-51-264-2345 FAX) 82-51-264-2351		COLD CHAMBER
SAM GONG CO., LTD	532. SINPYUNG-DONG, SAHA-KU, PUSAN, KOREA.	TEL) 82-51-205-7101 FAX) 82-51-205-7117		WINDOW & SIDE SCUTTLE

MAKER'S ADDRESS FOR 1100

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
SAM JU INDUSTRIAL CO.	1508-3, DADAE-DONG, SAHA-KU, PUSAN, KOREA.	TEL) 82-51-264-6677 FAX) 82-51-264-1220		CATERING FURNITURE
UMI CERAMICS	#803-2, SAMLANG-RI, SAMLANGJIN, MILYANG-KUN, KYUNGNAM, KOREA.	TEL) 82-527-51-1851 FAX) 82-527-51-1344		TILE
HANYANG CHEMICAL CO.	572-5, DAL-DONG, NAM-KU, ULSAN, KOREA KYUNGNAM, KOREA.	TEL) 82-52-268-6811 FAX) 82-52-268-6812		VINYL SHEET
BUIL INDUSTRIAL CO., LTD.	35, SOZOO-RI, WOONGSAN-MYUN, YANGSAN-KUN, KYUNGNAM, KOREA.	TEL) 82-51-519-2133 FAX) 82-51-582-7171		WALL PANEL CEILING PANEL
HI-PRES KOREA CO., LTD.	P.O.BOX 36, 370-11, SHINPYUNG-DONG, SAHA-KU, PUSAN, KOREA.	TEL) 82-51-206-4451 FAX) 82-51-206-4460		AIR CON. & PROVISION REFRIGERATING PLANT.
WARTSILA ACCOMMODATION SYSTEM KOREA LTD.	#1.HWEWHA INDUSTRIAL COMPLEX 68 BAEDUN-RI, KOSUNG-KUN, KYNGNAM, KOREA.	TEL) 82-556-73-4721 FAX) 82-556-73-8083		UNIT TOILET

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
1	MAIN ENGINE	HYUNDAI-B&W 5S70MC	1	- NO. OF CYLINDER : FIVE (5) - CYL. BORE X STROKE (mm) : 700 X 2674 - M. C. R. • OUTPUT (BHP) : 17,600 • REVOLUTION (RPM) : 87 • MEAN EFF. PRESS. (KG/CM2) : 18.4 • MEAN PISTON SPEED (M/SEC) : 8.1 - N. C. R. • OUTPUT (BHP) : 15,840 • REVOLUTION (RPM) : 84 • MEAN EFF. PRESS. (KG/CM2) : 16.2 - ROTATION :CLOCKWISE VIEWED FROM FLYWHEEL SIDE - STARTING METHOD : COMPRESSED AIR (30KG/CM2) - EXH. GAS Q' TY X TEMP. : 32.2 KG/S X 227 °C (AT 100% LOAD UNDER ISO) - COOLING METHOD • FRESH WATER : JACKET • SEA WATER : AIR COOLER • LUB. OIL : PISTON • TURBO-CHARGER : NON-COOLING - F. O. CONSUMPTION (Gr/BHP · H) : 123.1 + 3% AT NCR - L. O. CONSUMPTION (Gr/BHP · H) : • SYS. OIL : 0.15 • CYL. OIL : 0.7-1.0	513 TON	HYUNDAI HEAVY IND. CO. , LTD.

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
2	PROPELLER	FPP	1	- NO. OF BLADE : 4 - MATERIAL : NI-AL-BC - EXPANDED AREA RATIO : 0.4880 - DIAMETER : 7800MM - PITCH (MEAN) : 5390.8	33661	HHI-EMD
	STERN TUBE SEAL	AFT/FWD : 4-SEALING/ 2-SEALING	1	- MODEL SIZE · AFT : 670 X 290 · FWD : 670 X 215 - MATERIAL · RING ; · AFT / FWD : CHROME STEEL, CAST IRON	AFT/FWD 366/223	KOBELCO MARINE ENG. CO., LTD.
	STERN TUBE BUSH	670 SIZE	1	- DIMENSION (DIA X LENGTH) · AFT : 715 X 1300 · FWD : 715 X 350 - MATERIAL : CAST IRON LINED WHITE METAL	AFT/FWD 1123/297	KOBELCO MARINE ENG. CO., LTD.
	INTERMEDIATE SHAFT BEARING	SELF LUB.	1	- MODEL SIZE : SL 510 - Q' TY : ONE (1) - DIMENSION (I. D. X LENGTH) : 505 X 659 (MM)	990	KOBELCO MARINE ENG. CO., LTD.
3	PROPELLER SHAFT		1	- MATERIAL : SF 60 - DIMENSION (DIA. X LENGTH) : 600 X 817	17605	HHI-EMD
4	INTERMEDIATE SHAFT		1	- Q' TY : ONE (1) - MATERIAL : SF 60 - DIMENSION (DIA. X LENGTH) : 500 X 7800	13170	HHI-EMD
5	STEERING GEAR	FM21-207	1	- ELECTRO-HYD. 2RAM 4 CYLINDER 55 KW X 2 SETS ELECTRIC MOTORS - MAX. WORKING TORQUE AT 35 DEG. : 207 TON-M WITH WORKING PRESS. : 240 KG/CM2	14595	THI
6	PROPELLER SHAFT NUT	HYY. NUT	1	-TR 475 - PITCH 12, MAX. STROKE :20 mm WORKING PRESSURE : 717 KG/CM2	589	HHI-EMD

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
7	D/G ENGINE	5L 23 / 30	3	- NO. OF CYLINDER : FIVE (5) - CYL. BORE X STROKE (mm) : 225 X 300 - OUTPUT (PS) : 820 - REVOLUTION (RPM) : 720 - ROTATION : CLOCKWISE VIEWED FROM GENERATOR SIDE - F. O. BURNING SYS. : HFO DIRECT BURNING - F. O. CONSUMPTION (Gr/PS · H) : 143.38 + 3% - L. O. CONSUMPTION (Gr/PS · H) : 0.8 - STARTING METHOD : COMPRESSED AIR - DIMENSION (L X W X H) : 3709x2031x2570	10.3 TON	HYUNDAI HEAVY IND. CO., LTD.
	GENERATOR		3	- OUTPUT (KW) : 560 - VOLTAGE : 450V - AMPERE (A) : 898 - PHASE : 3 - REVOLUTION : 720 - ENCLOSED : IP23 - INSULATION CLASS : F - POWER FACTOR : 0.8 - NO. OF POLE : 10 - EXCITING : SELF EXCITING BRUSHLESS	4.1 TON	HEECO

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
8	COMPOSITE BOILER	KC3, AUTOMATIC, FORCED DRAFT, HFO BURNING, MARINE BOILER	1	<p>1.8 (OIL FIRED SECTION) - EVAPORATION (TON/H) : 1.1 (EXH. GAS SECTION) - WORKING PRESS. (KG/CM2) • AT HARBOUR : 6 • AT NORMAL SEA GOING : 6 DESIGN PRESS. (KG/CM2) : 7 - FEED WATER TEMP. (°C) : 60</p> <p>- HEATING SURFACE (M2) INNER EXH. GAS SIDE (M2) : 270 INNER FUEL GAS SIDE (M2) : 24</p> <p>- MAKER/MODEL OF BURNER : KANG-RIM/ RMS 8/2</p> <p>- KIND OF FUEL : HFO HAVING A VISCO. UP TO 600 CST AT 50°C</p> <p>- WATER VOLUME AT AVER. WATER LEVEL (M3) : 16.8</p> <p>- EXH. GAS Q' TY (KG/H) X TEMP. (°C) : 108,500 x 252 (AT 100% LOAD UNDER ISO)</p> <p>- EVAPORATION (KG/H) : 1800 - FEED WATER TEMP. (°C) : 60</p> <p>- DRAFT LOSS (mmAq) : 56</p> <p>- DESIGN PRESS. (KG/CM2) : 7 - WORKING PRESS. (KG/CM2) : 6</p> <p>- DIMENSION (H X DIA.) : 4450 x 3200</p>	23 TON	KANG-RIM

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE :

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
9	MAIN AIR COMP.	HC-275A	2	- CAPACITY (M3/H, FAD) : 230 - DISCH. PRESS. (KG/CM2) : 30 - MOTOR (KW X RPM) : 55 X 900	1730 x2	JONGHAP MARITIME
	EMERGENCY AIR COMPRESSOR	CMA-5	1	- CAPACITY (M3/H, FAD) : 4.5 - DISCH. PRESS. (KG/CM2) : 30 - MOTOR (KW X RPM) : 2.2 X 1740	108	
10	MAIN AIR RESERVOIR		2	- VOLUME (M3) : 7 - PRESS. (KG/CM2) : 30 - DIMENSION (H X DIA.) : 3427 X 1800	750	DONG-HWA
	AUX. AIR RESERVOIR		1	- VOLUME (M3) : 0.25 - PRESS. (KG/CM2) : 30 - DIMENSION (H X DIA.) : 1480 X 600	360	
11	CONTROL AIR DRYER	KAD-051	1	- CAPACITY (NM3/H, FREE AIR) : 60	105	KYOUNG-NAM

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
12	MAIN COOL S. W. PUMP	SVA 250	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 540 X 23 - BORE (SUC. X DISH.) : 250X250 MOTOR (KW X RPM) : 45X1765	760 x2	SHINKO (INCLUDED MOTOR WEIGHT)
	AUX. COOL S. W. PUMP	SVA 125	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 130 X 23 - BORE (SUC. X DISH.) : 125X125 - MOTOR (KW X RPM) : 11X1730	319	
	AIR COND. COOL S. W. PUMP	RVP 100	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 50 X 40 - BORE (SUC. X DISH.) : 100X100 - MOTOR (KW X RPM) : 11X1800	389	
	PROV. REF. COOL S. W. PUMP	HJ 40	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 3.5 X 30 - BORE (SUC. X DISH.) : 40X40 - MOTOR (KW X RPM) : 1.5X3600	68.5	
	WATER BALLAST PUMP	RVD 450	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 2000 X 30 - BORE (SUC. X DISH.) : 450X450 - MOTOR (KW X RPM) : 259X117	3225 x2	
	BILGE, FIRE & G/S PUMP	RVP 200S	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 350/90 X 30/90 - BORE (SUC. X DISH.) : 200X200 - MOTOR (KW X RPM) : 75X1765	1260 x2	
	M/E JACKET COOL F. W. PUMP	SVA 125	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 110 X 30 - BORE (SUC. X DISH.) : 125X125 - MOTOR (KW X RPM) : 15X174	330 x2	
	M/E AIR COOLER CHEM CLEAN. PUMP	HJ40	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 2 X 30 - BORE (SUC. X DISH.) : 40X40 - MOTOR (KW X RPM) : 1.5X3450	61.5	
	HOT WATER CIRC. PUMP	HJ40	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 2 X 5 - BORE (SUC. X DISH.) : 40X40 - MOTOR (KW X RPM) : 0.4X1670	47.9	
	BOILER FEED W. PUMP	SHQ 50	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 4 X 110 - BORE (SUC. X DISH.) : 50X50 - MOTOR (KW X RPM) : 7.5X346	245 x2	
	MAIN L. O. PUMP	SAC 250	2	- CAP. X TOTAL HEAD (M3/H X MTH) : 305 X 43 - BORE (SUC. X DISH.) : -X250 - MOTOR (KW X RPM) : 75X1800	1690 x2	
	F. W. GEN. EJECTOR PUMP	RVP 100	1	- CAP. X TOTAL HEAD (M3/H X MTH) : 60 X 48 - BORE (SUC. X DISH.) : 100X100 - MOTOR (KW X RPM) : 18.5X1745	452	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
13	M/E CAMSHAFT L. O. PUMP	NHG-10MT	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 7.8 X 4 - BORE (SUC. X DISH.) : 80X65 - MOTOR (KW X RPM) : 3.7X1150	127 x2	TAIKO (INCLUDED MOTOR WEIGHT)
	STERN TUBE L. O. PUMP	NHG-0.5M	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 0.5 X 3 - BORE (SUC. X DISH.) : 32X2 - MOTOR (KW X RPM) : 0.4X1100	39 x2	
	L. O. TRANSFER PUMP	NHG-5MT	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 5 X 3 - BORE (SUC. X DISH.) : 65X50 - MOTOR (KW X RPM) : 2.2X1140	91	
	M/E F. O. CIRC. PUMP	HHB-7.5MA	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 6.5 X 10 - BORE (SUC. X DISH.) : 80X65 - MOTOR (KW X RPM) : 3.7X1150	138 x2	
	M/E F. O. SUPPLY PUMP	NHG-5MA	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 3.5 X 4 - BORE (SUC. X DISH.) : 65X50 - MOTOR (KW X RPM) : 1.5X1130	81 x2	
	H. F. O. PURI. SUPPLY PUMP	NHG-4MA	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 3.2 X 3 - BORE (SUC. X DISH.) : 65X50 - MOTOR (KW X RPM) : 1.5X1130	76 x2	
	G/E F. O. BOOST. PUMP	HHB-2MA	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 1.4 X 10 - BORE (SUC. X DISH.) : 40X32 - MOTOR (KW X RPM) : 1.5X1130	71 x2	
	G/E F. O. SUPPLY PUMP	NHG-1MA	2	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 0.6 X 4 - BORE (SUC. X DISH.) : 32X25 - MOTOR (KW X RPM) : 0.75X114	52 x2	
	G/E M. D. O. BOOSTER PUMP	NHGH-2MT	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 1.4 X 8 - BORE (SUC. X DISH.) : 40X32 - MOTOR (KW X RPM) : 1.5X1130	82	
	H. F. O. TRANSFER PUMP	NHG-30MA	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 30 X 3 - BORE (SUC. X DISH.) : 125X100 - MOTOR (KW X RPM) : 11X1150	283	
	M. D. O. TRANSFER PUMP	NHG-6MA	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 5 X 3 - BORE (SUC. X DISH.) : 65X50 - MOTOR (KW X RPM) : 2.2X1140	91	
	MAIN L. O. PURI. SUPPLY PUMP	NHG-2MT	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 2 X 3 - BORE (SUC. X DISH.) : 40X32 - MOTOR (KW X RPM) : 1.5X1130	67	
	OILY BILGE PUMP	LD-5NSB	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 5 X 4 - BORE (SUC. X DISH.) : 50X50 - MOTOR (KW X RPM) : 2.2X1720	194	
SLUDGE PUMP	HNP-401	1	- CAP. X DISH. PRESS. (M3/H X KG/CM2) : 5 X 4 - BORE (SUC. X DISH.) : 5X4 - MOTOR (KW X RPM) : 2.2X1140	191		

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
14	H. F. O. PURIFIER	SJ 50FH TOTAL DISCHARGE	2	- CAPACITY (L/H) : 3200 - OIL VISCOSITY : 600 CST AT 50 DEG C (SG 1.01) - BOWL REVOLUTION (RPM) : 6800 - MOTOR · OUTPUT (KW) : 15 · SPEED (RPM) : 1740 - AUTO. CONTROL DEVICE : EST-1	1060	SAMGONG- MITSUBISHI
	MAIN LUB. OIL PURIFIER	SJ 30F TOTAL DISCHARGE	1	- CAPACITY (L/H) : 2000 - OIL VISCOSITY : DETERGENT OIL OF SAE#30 - BOWL REVOLUTION (RPM) : 9550 - MOTOR · OUTPUT (KW) : 5.5 · SPEED (RPM) : 1745 - AUTO. CONTROL DEVICE : AP-12	510	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
15	MAIN L. O. COOLER	SHELL&TUBE	1	- CAPACITY • (L. O.) FLOW (M3/H) : 305 IN/OUTLET TEMP. (°C) : 52.5/45 • (S. W.) FLOW (M3/H) : 145 IN/OUTLET TEMP. (°C) : 32/38.3 - HEAT DISSIPATION (KCAL/H) : 877,200 - SURFACE AREA (M2) : 275	4930	DONG-HWA
	M/E JACKET F. W. COOLER	SHELL&TUBE	1	- CAPACITY • (F. W.) FLOW (M3/H) : 106 IN/OUTLET TEMP. (°C) : 80/63.4 • (S. W.) FLOW (M3/H) : 145 IN/OUTLET TEMP. (°C) : 38.3/50.9 - HEAT DISSIPATION (KCAL/H) : 1,823,000 - SURFACE AREA (M2) :	1250	
	M/E CAMSHAFT L. O. COOLER	SHELL&TUBE	1	- CAPACITY • (L. O.) FLOW (M3/H) : 7.8 IN/OUTLET TEMP. (°C) : 48.3/45 • (S. W.) FLOW (M3/H) : 5 IN/OUTLET TEMP. (°C) : 32/34.1 - HEAT DISSIPATION (KCAL/H) : 10,320 - SURFACE AREA (M2) : 4	330	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
	S/T L. O. COOLER	SHELL&TUBE	1	- CAPACITY • (L. O.) FLOW (M3/H) : 0.5 IN/OUTLET TEMP. (°C) : 50/40.1 • (S. W.) FLOW (M3/H) : 3 IN/OUTLET TEMP. (°C) : 32/32.7 - HEAT DISSIPATION (KCAL/H) : 2000 - SURFACE AREA (M2) : 2	190	DONGHWA
	G/E F. W. COOLER	SHELL&TUBE	2	- CAPACITY • (F. W.) FLOW (M3/H) : 52 IN/OUTLET TEMP. (°C) : 77.1/70 • (S. W.) FLOW (M3/H) : 54 IN/OUTLET TEMP. (°C) : 36.8/43.9 - HEAT DISSIPATION (KCAL/H) : 369200 - SURFACE AREA (M2) : 10	630	
	AIR COMPRESSOR F. W. COOLER	SHELL&TUBE	1	- CAPACITY • (F. W.) FLOW (M3/H) : 10 IN/OUTLET TEMP. (°C) : 52/45 • (S. W.) FLOW (M3/H) : 15 IN/OUTLET TEMP. (°C) : 32/36.8 - HEAT DISSIPATION (KCAL/H) : 70000 - SURFACE AREA (M2) : 4	520	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
	DUMP/DRAIN CONDENSOR	SHELL&TUBE	1	- CAPACITY • (STM/COND. W) FLOW (M3/H) : 1450/400/140 IN/OUTLET TEMP. (°C) : 139, 164, 119/70 • (S. W.) FLOW (M3/H) : 60 IN/OUTLET TEMP. (°C) : 32/47.8 - HEAT DISSIPATION (KCAL/H) : 915000 - SURFACE AREA (M2) : 11	750	DONGHWA

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
16	G/E F. O. HEATER	SHELL&TUBE	2	- CAPACITY • (F. O.) FLOW (M3/H) : 1.4 IN/OUTLET TEMP. (°C) : 100/150 • (STM) FLOW (KG/H) : 68 IN/OUTLET TEMP. (°C) : 164.2 - HEAT DISSIPATION (KCAL/H) : 31216 - SURFACE AREA (M2) : 8.79	381 x2	DONGHWA
	H. F. O. PURI. HEATER	SHELL&TUBE	2	- CAPACITY • (F. O.) FLOW (M3/H) : 3.2 IN/OUTLET TEMP. (°C) : 55/98 • (STM) FLOW (KG/H) : 135.35 IN/OUTLET TEMP. (°C) : 164.2 - HEAT DISSIPATION (KCAL/H) : 65132 - SURFACE AREA (M2) : 4.39	280 x2	
	MAIN L. O PURI. HEATER	SHELL&TUBE	1	- CAPACITY • (L. O.) FLOW (M3/H) : 2.0 IN/OUTLET TEMP. (°C) : 45/85 • (STM) FLOW (KG/H) : 70.35 IN/OUTLET TEMP. (°C) : 164.2 - HEAT DISSIPATION (KCAL/H) : 32400 - SURFACE AREA (M2) : 1.19	120	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
	M/E JACKET F. W. WARMING -UP HEATER	SHELL&TUBE	1	- CAPACITY • (F. W.) FLOW (M3/H) : 10 IN/OUTLET TEMP. (°C) : 50/70 • (STM) FLOW (KG/H) : 405 IN/OUTLET TEMP. (°C) : 164.2 - HEAT DISSIPATION (KCAL/H) : 200,000 - SURFACE AREA (M2) : 2	170	DONGHWA
	M/E F. O. HEATER	SHELL&TUBE	2	- CAPACITY • (F. W.) FLOW (M3/H) : 6.5 IN/OUTLET TEMP. (°C) : 100/150 • (STM) FLOW (KG/H) : 315.7 IN/OUTLET TEMP. (°C) : 164.2 - HEAT DISSIPATION (KCAL/H) : 144,788 - SURFACE AREA (M2) : 25.81	820 x2	

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
17	F. W. GENERATOR	KE 25	1	- CAPACITY (TON/DAY) : 25 - MAX. SALINITY (PPM) : 10 - COOLING S. W. (Q' TY X TEMP.) : 60 M3/H X 32 °C - M/E JACKET COOLING WATER : 67.3M3/H X 78 °C - EJECTOR PUMP • Q' TY/SET : ONE (1) CAPACITY (M3/H X MTH) : 60 X 48 • MOTOR (KW X RPM) : 18.5 X 1745 • MAKER : SHINKO - DISTILLATE PUMP • Q' TY/SET : ONE (1) • CAPACITY (M3/H X MTH) : 1.2 X 30 • MOTOR (KW X RPM) : 0.75 X 3600 • MAKER : SASAKURA - DIMENSION (L X W X H) : 970 X 1730 X 1910	920	SASAKURA
18	SEWAGE TREATMENT PLANT	ELECTROLYSIS TYPE II-50CE-S	1	- CAPACITY : 25 PERSONS - DISCH. PUMP - SET/SHIP ; ONE (1) • CAPACITY : 1.2M3/H X 5MTH	720	CHANG-WON
19	OILY BILGE SEPARATOR	MTE FL-50BA	1	- CAPACITY (M3/H) : 5	650	MARINE TECH
	PROCESS UNIT FOR O. B. SEPARATOR		1	- CAPACITY (M3/H) : 5		

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
20	E/R VENT FAN	FP-S110Q	4	- CAPACITY (M3/MIN X mmAq) : 800 X 38 - MOTOR (KW X RPM) : 11 X 1170	550	O-YANG
	PURIFIER ROOM EXH. FAN	FP-C55J	1	- CAPACITY (M3/MIN X mmAq) : 100 X 30 - MOTOR (KW X RPM) : 1.5 X 1720	116	
21	WASTE OIL INCINERATOR	OSV-50SA	1	- CAPACITY (KCAL/H) : ABOUT 520000 - WASTE OIL BURNER • TYPE/MODEL : OSR-3A • COMBUSTION CAP. (KG/H) : 65 KG/H • MOTOR (KW X POLE) : 0.75 X 4 - WASTE OIL PUMP • TYPE : TROCHODAL • CAPACITY (KG/H X KG/CM2) : 125 X 0.4-0.6 - PRIMARY AIR FAN (NM3/MIN X mmAq) : 2 X 250 - COMBUSTION AND COOLING FAN • TYPE : AXIAL • CAPACITY (NM3/MIN X mmAq) : 72 X 50 • MOTOR (KW X POLE) : 1.5 X 2 - D. O. IGNITION BURNER • MODEL : IB-15A • NOZZLE TIP : 3G • ELECTRO. PUMP TYPE/MODEL : PLUNGER/VSKS125 - MOTOR FOR W. O. AGITATOR (KW X POLE) : 0.4 X 4 - DIMENSION (L X W X H) : 915x1435x1950	1760	KANG-RIM

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
22	LATHE	NSL 480 X 1000G	1	- DISTANCE OF CENTER (mm) : 1000 - SWING OVERBED (mm) : 480 - MOTOR (KW) : 5.5	2190	NAMSUN PRECISION
	DRILL'G MACHINE	YKD-30	1	- DRILLING MACHINE : MAX. 38 mmDIA. - MOTOR (KW) : 1.5	350	YOUNGKWANG
	GRINDER	YKGV-255	1	- WHEEL SIZE : 255 mm STONE DIA. - MOTOR (KW) : 0.75	230	YOUNGKWANG
	GAS WELDER		1	- OXYGEN BOTTLE : FOUR (4) - ACETYLENE BOTTLE : TWO (2)	423	UNITOR
23	M/E F. O. DISCH. FILTER	AUTO-BACK FLUSHING 6. 60	1	- CAPACITY (M3/H X MICRON) : 6.5 X 10	130	BOLL+KIRCH
	M/E CAMSHAFT L. O. FILTER	DUPLEX MANUAL 2. 04. 5	1	- CAPACITY (M3/H X MICRON) : 7.8 X 50	40	
	MAIN L. O. DISCH. FILTER	AUTO-BACK FLUSHING 6. 61	1	- CAPACITY (M3/H X MICRON) : 305 X 50	510	
	G/E F. O. DISCH. FILTER	AUTO-BACK FLUSHING 6. 60. 1	1	- CAPACITY (M3/H X MICRON) : 2 x 10	110	
	M/E CAMSHAFT L. O. FILTER	BK-4212AX- X/PF	1	- CAPACITY (M3/H X MICRON) : 300 x 1	110	YOOWON

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

PAGE:

SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER	
24	E/R CRANE	MOTOR DRIVEN	1	- CAPACITY (S. W. L.) : 5 TON	4100	DONG-NAM	
25	M. G. P. S.	HYDO CHLORINATOR	1	- CAPACITY (M3) : 600	204	CATHELCO	
26	BALLAST STRIP. EDUCTOR	WATER JET TYPE	1	- SUC. CAPACITY (M3/H) : 120 - DRIV. CAPACITY (M3/H) : 180	1501	KI-WON	
27	M/E F. O. VISCO. CONTROL UNIT	V12	1	- FLOW RATE (M3/H) : 6.5	32	VAF	
	G/E F. O. VISCO. CONTROL UNIT	V12	1	- FLOW RATE (M3/H) : 1.4	32		
28	M/E F. O. FLOWMETER	J5050	1	- FLOW RATE (L/H) • MAX. : 3500 • NOR. : 2300 • MIN. : 230	25		
29	CHLORINE, INHIBI. MINERAL INJECTOR		1	- CAPACITY (L/H) : 1000	123	NAGATO	
30	CALORIFIER		1	- FLOW (M3/H) : 2 - TANK CAP. (L) : 200	- TEMP. (°C) : 70 - ELEC. HEATER (KW) : 15 X 2	320	KANGRIM

DATA BOOKLETS (MACHINERY PARTICULARS) FOR 1100

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SER NO.	NAME OF EQUIPMENT	MODEL & TYPE	Q'TY /SHIP	PARTICULARS	WEIGHT (Kg/SHIP)	MAKER
31	UNIT COOLER	PACKAGED		- CAPACITY (KCAL/H) : 15,000 FOR ONLY COOLING	285	KYUNG WON
32	F. W. HYD. UNIT	UH102-40	1	-CAPACITY • TANK : 1000 L/H • PUMP : 5 M3/H X 45MTH X TWO (2)	506	SHINKO
	D. W. HYD. UNIT	UH101-40	1	-CAPACITY • TANK : 1000 L/H • PUMP : 5 M3/H X 45MTH X ONE (1)	490	

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
HYUNDAI HBAVY INDUST. (O.), LTD. (ENGINE AND MACH. DIVISION)	#1-5, CHEONHA-DONG, DONG-GU, ULSAN, KORBA	TEL) 82-522-30-7261 FAX) 82-522-30-7425 TEL) 82-522-30-7272 FAX) 82-522-30-7696	HHI BMD K53815	MAIN ENGINE & D/G ENGINE
SHINKO IND. LTD	5-7-21, OHZU, MINAMI-KU, HIROSHIMA, JAPAN	TEL) 81-82-508-1000 FAX) 81-82-508-1020		E/R CBNT. PUMP/HYD. UNIT
KANG RIM INDUST. CO., LTD.	1515, DADAB-DONG, SAHA-KU PUSAN, KORBA	TEL) 82-51-204-2345 TEL) 82-51-264-2345 FAX) 82-51-204-2351 FAX) 82-51-264-2351	KANG RIM K53485	COMPOSITE BOILER W.O. INCINBRATOR CALORIFIBER
JONGHAP MARITIME INC.	141-170, 3KA, NAMHANG-DONG, YOUNGDO-KU, PUSAN, KOREA	TEL) 82-51-413-4277 TEL) 82-51-413-7442		AIR COMPRESSOR
DONG HWA PRECISION IND. CO., LTD.	1506-2, DADAE-DONG, SAHA-KU PUSAN, KOREA	TEL) 82-51-264-2800 FAX) 82-51-264-2801	K53759	TUBULAR COOLER AIR RESERVOIR OIL HBATER
SASAKURA ENGINBERING CO. LTD.	7-32 TAKESHIMA, 4-CHOME, NISHIYODOGAWA-GU OSAKA, JAPAN	TEL) 81-6-473-2134 FAX) 81-6-473-5540	5233188	F. W GENERATOR

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NAGATO CORPORATION	1-6-3, HAMACHYO, NIHONBASHI, CHUO-KU TOKYU 103, JAPAN	TEL) 81-3-3851-5313 FAX) 81-3-3851-5549		CHLORINE INHIBITOR & MINERAL INJECTION UNIT.
TAIKO KIKAI INDUST. CO. LTD.	209-1 TABUSE-CHO KUMAGE-GUN YAMAGUCHI, JAPAN	TEL) 81-820-52-3112 FAX) 81-820-53-1001		GEAR / SCREW P/P
SAMGONG CO., LTD.	532, SHINPYONG-DONG, SAHA-KU, PUSAN, KOREA	TEL) 82-51-205-7101 FAX) 82-51-205-7117		OIL PURIFIER
DONG NAM ENTERPRISE CO., LTD	#1172-4, NABSAM-RI, CHUNCH'ON-MYON, KIMHAB-CITY KYUNG NAM, KOREA	TEL) 82-525-29-4111 FAX) 82-525-38-6842		E/R CRANE
VAF INSTRUMENT B. V.	VIERLINGHSTRAAT 24, 3316 EL DORDRECHT, P. O. BOX 40, 3300 AA DORDRECHT, NETHERLAND	TEL) 31-78-183100 FAX) 31-78-177068	29280 VAF NL	FLOWMETER/VISCOTHERM
KOREA CATHELCO LTD.	251-3, KUPYUNG-DONG, SAHA-KU, PUSAN 604-660, KOREA	TEL) 82-51-265-7715 FAX) 82-51-265-7717		M. G. P. S

MAKER'S ADDRESS FOR 1100

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
BOLL + KIRCH KORBA LTD.	ROOM 1830 OCEAN TOWER, 730-3 WOO-DONG HAEWOONDAB-KU, PUSAN P.O. BAX 13 KOREA	TEL) 82-51-740-5701 FAX) 82-51-740-5704		AUTO FILTER
O-YANG KOGJOKI CO., LTD.	B1-89, 817 WONSI-DONG, ANSAN-CITY, KYUNGKI-DO, KOREA.	TEL) 82-345-491-4321 FAX) 82-345-491-4325		E/R FAN
NAMSUN PRECISION MACH CO., LTD	42-5, MUNPYUNG-DONG, TABDUK-GU, TAEJON KOREA	TEL) 82-42-934-3700 FAX) 82-42-934-3707		LATHE
YOUNG KWANG MACH. CO.	#615-2, 3-GA, NOWON-DONG, BUK-GU, DAEGU, KOREA	TEL) 82-53-357-6578 FAX) 82-53-357-4759		DRILL/GRINDER
UNITOR SHIPS SERVICE CO., LTD.	488-1, MOJEON-RI, CHUNG KWAN-MYUN, KIJANG-KUN, PUSAN KOREA	TEL) 82-51-728-4900 FAX) 82-51-728-3848		GAS WELDER
KYUNG NAM INDUSRTIAL CO.	129, YOUNGDUDONG, DONGDABMUNKU, SEOUL, KOREA	TEL) 82-02-922-7833 FAX) 82-02-922-7832		CONTROL AIR DRYER
CHANGWON ENVIRONMENT INDUSTRY CO., LTD	#416, EUIJUN-RI, JINYOUNG-EUB, KIMHAE-CITY KYUNGNAM, KOREA	TEL) 82-525-42-5545 FAX) 82-525-42-5546		SEWAGE TREATMENT PLANT.

MAKER'S ADDRESS FOR 1100

PAGE :

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
MARINE TECHNICAL ENGINEERING CO., LTD	974-2, NAMSAN-DONG, KEUMJUNG-KU PUSAN KOREA	TEL) 82-51-517-8691 FAX) 82-51-517-8652		O. W SEPARATOR WITH PRETREATMENT UNIT.
KYUNG WON-CENTURY CO., LTD.	253, 5-GA, NAMDAEMUN-RO, CHUNG-GU, SEOUL, KOREA	TEL) 82-2-316-7114 FAX) 82-2-316-7008		UNIT COOLER
POONG JIN METAL CO., LTD	345-4 JANGLIM-2-DONG, SAHA-KU , PUSAN KORBA	TEL) 82-51-261-3221 FAX) 82-51-314-6550		GEN. V/V & SHIP SIDE V/V QUICK CLOSING V/V
KEYSTONE VALVE (KOREA) LTD.	10B-3L, ANSUNG 2ND INDUSTRIAL ESTATE MIYANG-MYUN ANSUNG-KUN, KYUNGKI-DO, KOREA	FAX) 82-334-676-1170 TEL) 82-334-70-2500		BUTTERFLY V/V
SUNBO IND. CO., LTD	393-1, JANGLIM-DONG, SAHA-KU, PUSAN, KOREA	TEL) 82-51-261-3454 FAX) 82-51-261-3455		W. STRAINER & MUD BOX
DONG-A IND., LTD	1-1KA DABPYBONG-DONG, YBONGDO-KU PUSAN, KOREA	TEL) 82-51-49-7757 FAX) 82-51-412-9406		OIL STRAINER
HALLA AUTOMATIC V/V CO., LTD	516, SHINPYBONG-DONG, SAHA-KU, PUSAN KOREA	TEL) 82-51-205-8791 FAX) 82-51-205-8795		CONTROL V/V

MAKER'S ADDRESS FOR 1100

MAKER'S NAME	ADDRESS	TELEPHONE/FAX.	TELEX	REMARK
DAB YONG PREC. CO., LTD	403-1 DUCKPO-2DONG SAHAKU, PUSAN KOREA	TEL) 82-51-303-0983 FAX) 82-51-323-5528		AUTO AIR VENT V/V
KI WON IND. CO.	#449 WONJI-RI, JUCHON-MYEON KIMHAB-GUN, KYUNG NAM, KOREA	TEL) 82-525-37-3330 FAX) 82-525-37-1995		SIGHT GLASS
WOOSUNG MACHINERY	1507-5, DADAB-DONG, SAHA-KU, PUSAN, KOREA	TEL) 82-51-264-2826 FAX) 82-51-264-0441		DRAIN & DISC STEAM TRAP
HYUNDAI INSTRUMENT CO., LTD	609-24, GURO-DONG, GURO-KU, SEOUL KOREA	TEL) 82-2-634-6005 FAX) 82-2-677-2936		THERMOMETER & PRESS. GAUGE
BUYOUNG CO., LTD.	#850-2, CHONGCHON-RI, CHILLYE-MYEON, KIMHAB-SI KBONGSANGNAM-DO, KOREA	TEL) 82-525-45-6110/4 FAX) 82-525-45-6115		PRESS. CONTROL V/V TEMP. CONTROL V/V
				039

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
2. EM'CY GENERATOR	EM'CY GENERATOR	UCM 274 F	1	ENCLOSURE : IP23 RATING : CONTINUOUS OUTPUT : 120KW,(1150KVA) VOLTAGE : AC450V RATING CURRENT : 192A PHASE : 3 PH FREQUENCY : 60HZ NO. OF POLES : 4 REVOLUTION : 1800 RPM P.F : 0.8 INSULATION : "F" CLASS AMBIENT TEMP : 45' C COOLING : AIR COOLING EXCITATION : SELF EXCITING BRUSHLESS SPACE HEATER : AC220V,100W,IPH		555	STAMFORD
	DIESEL ENGINE	D2866E	1	REVOLUTION :1800 RPM OUTPUT : 205 BHP NO. OF CYLINDER : 6 START(AUTO) : MOTOR(DC24V) SECONDARY STARTING MEANS : HYDRAULIC COOLING : RADIATER WATER COOLING		1000	MAN



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(MACHINERY PARTICULARS)

SHIP NO	1100	SHEET NO	041	3
DWG NO	2E-7000-402			

A4(210X297)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
MAIN SWITCH BOARD	TYPE & DIMENSION		1	7900(W) X 2220(H) X 1000(D) SELF STANDING TYPE		4550	H.H.I
	N01 D/G PANEL		1	DIMENSION : 600(W) X 2220(H) X 1000(D) SELF STANDING TYPE ACB :HAT-12 AC 450V,3PH, 60 HZ, 700KVA		600	
	N02 D/G PANEL		1	DIMENSION : 600(W) X 2220(H) X 1000(D) SELF STANDING TYPE ACB :HAT-12 AC 450V,3PH, 60 HZ, 700KVA		600	
	N03 D/G PANEL		1	DIMENSION : 600(W) X 2220(H) X 1000(D) SELF STANDING TYPE ACB :HAT-12 AC 450V,3PH, 60 HZ, 700KVA		600	
	SYNCHRO PANEL		1	DIMENSION : 900(W) X 2220(H) X 1000(D) SELF STANDING TYPE MCCB :XS-1200NE		700	
	N01 440V F/D PNL		1	DIMENSION : 900(W) X 2220(H) X 1000(D) SELF STANDING TYPE MCCB : HBH-203X6, HBL-103X11, HBE-603X1, HBS-403X1		800	
	N02 440V F/D PNL		1	DIMENSION : 900(W) X 2220(H) X 1000(D) SELF STANDING TYPE MCCB : HBH-203X5, HBL-103X11, HBS-403X2, HBE-603X1		800	
	AC 220V F/D PNL		1	DIMENSION : 600(W) X 2220(H) X 800(D) SELF STANDING TYPE MCCB : HSD-403X2, HBS-63CX9, HBS-403X1		450	



DATA BOOKLET
(MACHINERY PARTICULARS)

DATE

SHIP NO	1100
DWG NO	ZE-7000-402
SHEET NO	042
	4

AA(210X287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
EM'CY SWITCH BOARD	TYPE & DIMENSION		1	2500(W) X 2100(H) X 600(D) SELF STANDING TYPE		1800	H.H.I
	EM'CY D/G PANEL		1	DIMENSION : 900(W) X 2100(H) X 600(D) SELF STANDING TYPE ACB :AME-3 AC 450V,3PH, 60 HZ, 150KVA			
	MSBD SOURCE		1	MCCB :XS-1200NE			
	EM'CY 220V F/D PNL		1	DIMENSION : 600(W) X 2100(H) X 600(D) SELF STANDING TYPE MCCB :HBS-63CX15			
	EM'CY 440V F/D PNL		1	DIMENSION : 600(W) X 2100(H) X 600(D) SELF STANDING TYPE MCCB :HBH-103X14			
	SHORE CONN BOX		1	DIMENSION : 400(W) X 660(H) X 600(D) MCCB :HBS-403 AC 450V,3PH, 60HZ, 300A			



DATA BOOKLET
(MACHINERY PARTICULARS)

SHIP NO	1100	SHEET NO	043	5
DWG NO	ZE-7000-402			

DATE				

14(210X287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY / SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
5. TRANSFORMER	MAIN TRANSFORMER		±2	1) DIMENSION :960(W) X1200(H) X 700(D) 2) AC 440/230V, 3PH, 60 HZ,120KVA 3) CONNECTION :DDO (V-V) 4) AMBIENT TEMP : 45 C 5) INSULATION : "B" CLASS 6) SELF AIR COOLED DRY TYPE 7) DRIP PROOF FLOOR MOUNTING TYPE		650	H.H.I - HEECO
	EM'CY TRANSFORMER		1	1) DIMENSION :1080(W) X 820(H) X 450(D) 2) AC 440/230V, 1PH, 60 HZ,3X7.5KVA 3) CONNECTION :DDO (V-V) 4) AMBIENT TEMP : 45 C 5) INSULATION : "B" CLASS 6) SELF AIR COOLED DRY TYPE 7) DRIP PROOF FLOOR MOUNTING TYPE		250	
	F'CLE TRANSFORMER		1	1) DIMENSION :1080(W) X 820(H) X 450(D) 2) AC 440/230V, 1PH, 60 HZ,3X7.5KVA 3) CONNECTION :DDO (V-V) 4) AMBIENT TEMP : 45 C 5) INSULATION : "B" CLASS 6) SELF AIR COOLED DRY TYPE 7) DRIP PROOF FLOOR MOUNTING TYPE		250	





DATA BOOKLET
 (MACHINERY PARTICULARS)

SHIP NO	1100
DWG NO	2E-7000-402
SHEET NO	044
	5

DATE	

A4(210)(287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	
6.	ARC WELDER		1	AC 440V, IPH, 60HZ, WELDING CURRENT RANGE : 60A-300A DUTY CYCLE : 40 % INSULATION CLASS : 'F' CLASS AMB.TEMP : 0 °C - 50 °C		ABT. 270	SUNG WOO	
								DATA BOOKLET (MACHINERY PARTICULARS)

SHIP NO 1100
 DVG NO ZE-7000-402

SHEET NO 045
 7

DATE

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BBR NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
7. EM'CY STOP SW BOX	ES-A, ES-B (AU-FIRE CONTROL STATION)		1	DIMENSION : 380(W)X340(H)X120(D) WALL MOUNTING TYPE PAINTING COLOR : RED AMBIENT TEMP. : 45 °C		5	H.H.I
	ES-A, ES-B (W/H-BRIDGE CONSOLE)		1	DIMENSION : 250(W)X200(H) CONSOLE MOUNTING TYPE PAINTING COLOR : RED AMBIENT TEMP. : 45 °C		1	



DATA BOOKLET
(MACHINERY PARTICULARS)

SHIP NO	1100	SHEET NO.	046	8
DWG NO	2E-7000-402			

DATE

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY / SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
8	NO1 GROUP STARTER PNL		1	DIMENSION : 1400(W) X 2220(H) X 800(D) SELF STANDING TYPE MCCB : HBH-203X2, HBL-103X12		730	H.H.I
	NO2 GROUP STARTER PNL		1	DIMENSION : 1400(W) X 2220(H) X 800(D) SELF STANDING TYPE MCCB : HBH-203X2, HBL-103X12		730	
9	LGSP-1 PNL		1	DIMENSION : 700(W) X 1440(H) X 350(D) WALL MOUNTING TYPE MCCB : HBH-103X6		140	
	LGSP-2 PNL		1	DIMENSION : 2000(W) X 1700(H) X 550(D) SELF STANDING TYPE MCCB : HSD-603X2		880	
	LGSP-3 PNL		1	DIMENSION : 1400(W) X 1620(H) X 450(D) SELF STANDING TYPE MCCB : HSD-203X2		430	
	LGSP-4 PNL		1	DIMENSION : 700(W) X 1380(H) X 350(D) WALL MOUNTING TYPE MCCB : HBS-63CX5		125	
	LGSP-5 PNL		1	DIMENSION : 700(W) X 1620(H) X 350(D) SELF STANDING TYPE MCCB : HBS-63CX10		160	
	LGSP-6 PNL		1	DIMENSION : 1050(W) X 1740(H) X 350(D) SELF STANDING TYPE MCCB : HSD-103X1, HBH-103X7		255	
	LGSP-7 PNL		1	DIMENSION : 700(W) X 1320(H) X 350(D) WALL MOUNTING TYPE MCCB : HSD-103X2		120	





DATA BOOKLET
(MACHINERY PARTICULARS)

SHIP NO 1100
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A4(210X287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	 DATA BOOKLET (MACHINERY PARTICULARS)
			SHP					
LOCAL GROUP STARTER	LGSP-8 PNL		1	DIMENSION : 700(W) X 1560(H) X 350(D) WALL MOUNTING TYPE MCCB : HBH-103X6		155	H.H.I	DATE 
	LGSP-9 PNL		1	DIMENSION : 700(W) X 1320(H) X 350(D) WALL MOUNTING TYPE MCCB : HBS-63CX7		120		

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	▽	
			SHIP						
INDIVIDUAL STARTER	NO.1 STEERING GEAR		1	DIMENSION : 700(W) X 1080(H) X 350(D) WALL MOUNTING TYPE MCCB :HSD-103		85	H.H.I	DATA BOOKLET (MACHINERY PARTICULARS)	
	NO.2 STEERING GEAR		1	DIMENSION : 700(W) X 1440(H) X 350(D) WALL MOUNTING TYPE HSD-103		140			
	EM'CY AIR COMPRESSOR		1	DIMENSION : 350(W) X 500(H) X 200(D) WALL MOUNTING TYPE MCCB :HSD-103		37			
	SECONDARY FIRE PUMP		1	DIMENSION : 700(W) X 1440(H) X 350(D) WALL MOUNTING TYPE MCCB :HSD-103		140			
	S/G & 2ND FIRE P/P RM FAN		1	DIMENSION : 350(W) X 500(H) X 200(D) WALL MOUNTING TYPE MCCB :HSD-103		37			

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	△
			SHP					
INDIVIDUAL STARTER	TURNING GEAR		1	DIMENSION : 480(W) X 730(H) X 200(D) WALL MOUNTING TYPE MCCB :HBS-33		40	HHI-E.M.D	DATA BOOKLET (MACHINERY PARTICULARS)
	CALORIFIER		1	DIMENSION : 400(W) X 700(H) X 200(D) WALL MOUNTING TYPE MCCB : HBE-53		30	KANGRIM	
	ACCOMMODATION LADDER WINCH		1	DIMENSION : 550(W) X 1000(H) X 280(D) WALL MOUNTING TYPE		ABT 100	SAMGONG CO LTD	
	HYDRO. POWER UNIT FOR HATCH COVER		1	DIMENSION : 450(W) X 1160(H) X 350(D)		65	NAKATA MAC	
	LATHE		1	MACHINE MOUNTING TYPE			NAMSUN PRECISION MACHINE CO. LTD	
	DRILL		1	DIMENSION : 355(W) X 250(H) X 130(D) MACHINE MOUNTING TYPE			YOUNG KWANG	
	GRINDER		1	DIMENSION : 295(W) X 235(H) X 105(D) MACHINE MOUNTING TYPE				
	LIFE/RESCUE BOAT WINCH		1	DIMENSION : 600(W) X 1100(H) X 220(D) WALL MOUNTING TYPE		ABT 100	DONG NAM	
	E/R CRANE		1	DIMENSION : 1300(W) X 450(H) X 200(D) MACHINE MOUNTING TYPE			DONG NAM	

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
INDIVIDUAL STARTER	WASTE DISPOSER		1	DIMENSION : 250(W) X 350(H) X 145(D)			DAE SUNG
	AIR COND. COMPRESSOR		1	DIMENSION : 800(W) X 1000(H) X 300(D) MACHINE MOUNTING TYPE		65	HI-PRES KOREA
	PROV. REF. COMPRESDOR		1	DIMENSION : 800(W) X 800(H) X 260(D) WALL MOUNTING TYPE		63	
	PROV. REF. FAN		1	DIMENSION : 800(W) X 800(H) X 260(D) WALL MOUNTING TYPE		63	
	AUX. BLOWER		1	DIMENSION : 900(W) X 1200(H) X 300(D) WALL MOUNTING TYPE MCCB : HBH-203X2		120	HHI-E.M.D
	AFT CONTROLLER POWER UNIT (I.C.C.P)		1	DIMENSION : 842(W) X 1125(H) X 540(D) WALL MOUNTING TYPE		220	WILSON WALTON KOREA LTD.
	FWD CONTROLLER POWER UNIT (I.C.C.P)		1	DIMENSION : 580(W) X 1125(H) X 465(D) WALL MOUNTING TYPE		130	
	BOILER CONTROL PANEL		1	DIMENSION : 1200(W) X 1200(H) X 260(D) WALL MOUNTING TYPE		200	KANG RIM



DATA BOOKLET
 (MACHINERY PARTICULARS)

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 DWG NO 2E-7000-402

SHEET NO 33
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A41210X2873

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	DATE
			SHIP					
INDIVIDUAL STARTER	SEWAGE TREATMENT PLANT		1	DIMENSION : 330(W) X 550(H) X 280(D) MACHINE MOUNTING TYPE		33	CHANGWON ENVIRONMENT CO.	
	GREASE PUMP		1	DIMENSION : 450(W) X 600(H) X 200(D) WALL MOUNTING TYPE			HANIL LUBTEC.CO.,LTD.	
	HYD. P/P FOR REMOTE V/V CONT.		1	MACHINE MOUNTING TYPE			SAMGONG NAMIRE I	
	5 TON PROVISION CRANE		1	DIMENSION :550(W) X 700(H) X 300(D) WALL MOUNTING TYPE			HYDRAL IFT	
	HYD. POWER UNIT FOR DECK MACHINERY		1	DIMENSION : 1100(W) X 900(H) X 250(D) WALL MOUNTING TYPE		180	FUKUSHIMA LTD.	
			1	DIMENSION : 1100(W) X 900(H) X 250(D) WALL MOUNTING TYPE		180		



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 (MACHINERY PARTICULARS)

SHIP NO 1100
 DWG NO ZE-7000-402

SHEET NO33 **052**
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A4C210X2871

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	▽
			SHIP					
DISTRIBUTION BOARD	P-1 PANEL		1	DIMENSION : 600(W) X 600(H) X 210(D) WALL MOUNTING TYPE MCCB : HBH-103X5		50	H.H.I	DATA BOOKLET (MACHINERY PARTICULARS)
	P-2 PANEL		1	DIMENSION : 600(W) X 700(H) X 210(D) WALL MOUNTING TYPE MCCB : HBH-103X8		55		
	G-1 + G-2 PANEL (COMBINED)		1	DIMENSION : 1000(W) X 900(H) X 210(D) WALL MOUNTING TYPE (FLUSH TYPE) G-1 MCCB : HBH-103X6 G-2 MCCB : HBS-63CX2, HSD-52DX10		110		
	G-3 PANEL		1	DIMENSION : 400(W) X 500(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX5		25		
	G-4 PANEL		1	DIMENSION : 400(W) X 400(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX4		20		
	A-1 PANEL		1	DIMENSION : 400(W) X 1000(H) X 210(D) WALL MOUNTING TYPE MCCB : HBD-52DX12, HBS-63CX2		50		
	L-1 PANEL		1	DIMENSION : 400(W) X 600(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX9		30		
	L-2 PANEL		1	DIMENSION : 400(W) X 600(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX9		30		

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44210X2877

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
DISTRIBUTION BOARD	L-3 PANEL		1	DIMENSION : 400(W) X 1300(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX24		65	H.H.I
	L-4 PANEL		1	DIMENSION : 400(W) X 800(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX16		40	
	L-6 PANEL		1	DIMENSION : 400(W) X 1000(H) X 210(D) WALL MOUNTING TYPE MCCB : HBD-52DX11		50	
	E-1 PANEL		1	DIMENSION : 400(W) X 600(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-52DX9		30	
	E-2 PANEL		1	DIMENSION : 400(W) X 1100(H) X 180(D) WALL MOUNTING TYPE MCCB : HBD-5DX14		55	
	ACCOM. AC 220V SECTION BOARD		1	DIMENSION : 600(W) X 700(H) X 210(D) WALL MOUNTING TYPE MCCB : HBS-103CX1, HBS-63CX6		55	



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A4(210X287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY / SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
12. GROUP CONTROL PANEL	TYPE & DIMENSION		1	DIMENSION : 1200(W) X 1600(H) X 300(D) SELF STANDING TYPE		195	H.H.I
	NAV. LIGHT IND. PANEL		1	DIMENSION : 420(W) X 400(H) FLUSH MOUNTING TYPE			
	SIGNAL LIGHT IND. PANEL		1	DIMENSION : 400(W) X 400(H) FLUSH MOUNTING TYPE			
	LIGHT CONTROL PANEL		1	DIMENSION : 380(W) X 400(H) FLUSH MOUNTING TYPE			
	N-1 PANEL		1	MCCB : HBD-52DX30			
	L-5 PANEL		1	MCCB : HBD-52DX26			



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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS				MFG. SER NO.	WEIGHT (KG)	MAKER
				CAPACITY	TYPE	GLOBE	VOLTAGE			
13. NAVIGATION LIGHT	MASTHEAD LIGHT	A2-DM6020H	2	60W X 2	W.T	○	AC 220V	4.0	DAE YANG	
	PORT SIDE LIGHT (RED)	A2-DP6020H	1	60W X 2	W.T	○	AC 220V	4.0		
	STBD SIDE LIGHT (GREEN)	A2-DT6020H	1	60W X 2	W.T	○	AC 220V	4.0		
	STERN LIGHT	A2-DS4020H	1	40W X 2	W.T	○	AC 220V	4.0		
	ANCHOR LIGHT	A2-DW4020H	2	60W	W.T	○	AC 220V	4.0		
	N.U.C LIGHT	A2-SR6020H	4	60W	W.T	○	AC 220V	4.0		
14 SIGNAL LIGHT	SUEZ CANAL SIGNAL LTG GREEN WHITE RED	IS40-20BNCG IS40-20BNCW IS40-20BNCR	1 5 1	40W	W.T	○	AC 220V	2.5		
	MANEUVRING LIGHT	MV-100W20	1	80W	W.T	○	AC 220V	2.4		
	STEERING LIGHT	IS20-20BNCB	1	20W	W.T	○	AC 220V	2.5		
	HUGE VESSEL LIGHT	HV-100G20B	1	100W	W.T	○	AC 220V	2.4		
	KEY FOR MORSE SIGNAL LIGHT	MK-SPC MK-FP	2 1		W.T N.W.T		AC 220V	1.9 1		



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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS				MFG. SER NO.	WEIGHT (KG)	MAKER
				CAPACITY	TYPE	GLOBE	VOLTAGE			
SIGNAL LIGHT	PORTABLE DAY LIGHT SIGNAL LIGHT	DDS-84A	1	60W	W.T	○	DC 24V	2.9	DAE YANG	
	RECEPTACLE FOR DAY SIGNAL LIGHT	RT-4BSCD	3		W.T		DC 24V	1.4		
	PORTABLE HAND LAMP	IHG0-20PN	10	60W	W.T	○	220V	1.2		
	DEEP DRAFT LIGHT	A2-SR4020H	2	40W	W.T	○	220V	2.4		
15. EX-PROOF LIGHT	EXP PROOF IN-LIGHT	EX-61220C1	1	100W	EXP W.T	○	AC 220V	13.8		
	EXP PROOF IN-LIGHT	EX-61220C2	3	100W	EXP W.T	○	AC 220V	13.5		
	EXP PROOF IN-LIGHT	EX-61320C1	2	100W	EXP W.T	○	AC 220V	14.0		
	EXP PROOF IN-LIGHT	EX-61320C2	1	100W	EXP W.T	○	AC 220V	14.0		



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SHIP NO	1100	SHEET NO	057
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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS				MFG. SER NO.	WEIGHT (KG)	MAKER
				CAPACITY	TYPE	GLOBE	VOLTAGE			
16. FLOOD LIGHT	SEARCH LIGHT	PSIKI-20USCF	2	1KW	W.T	○	AC 220V		34.2	DAE YANG
	IN-FLOOD LIGHT	PF301-20USCF	6	300W	W.T	○	AC 220V		19.5	
	IN-FLOOD LIGHT	PF501-20USCF	7	500W	W.T	○	AC 220V		19.5	
	MERCURY FLOOD LIGHT	PF70M-20USCN	4	700W	W.T	○	AC 220V		18.1	
	MERCURY FLOOD LIGHT	PF40M-20USCN	21	400W	W.T	○	AC 220V		19.5	
	RP FOR SUEZ CANAL SEARCH LIGHT	EPR-3013	1		W.T	○	AC 220V		10.5	
17. BALLAST	DOUBLE BALLAST(MER)	B72M-206SSC	2	700WX2	W.T	○	AC 220V		28	
	DOUBLE BALLAST(MER)	B42M-206SSC	9	400WX2	W.T	○	AC 220V		19.7	
	SINGLE BALLAST(MER)	B40M-206SSC	3	400W	W.T	○	AC 220V		11.2	



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SHIP NO 1100
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A4(210X287)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	Q TY SHIP	PARTICULARS				MFG. SER NO.	WEIGHT (KG)	MAKER
				CAPACITY	TYPE	GLOBE	VOLTAGE			
18. GENERAL LIGHT FIXTURE	FL-CEILING LIGHT	FL220NF-0206GIS	22	20WX2	NWT FLUSH	○	AC 220V	4.21	DAE YANG	
	FL-CEILING LIGHT	FL220NF-1206GIS	1	20WX2 (DC 10W)	NWT FLUSH	○	AC 220V DC 24V	4.21		
	FL-CEILING LIGHT	FL240NF-0206GIS	55	40WX2	NWT FLUSH	○	AC 220V	7.26		
	FL-CEILING LIGHT	FL240NF-1206GIS	1	40WX2 (DC 10W)	NWT FLUSH	○	AC 220V DC 24V	7.26		
	FL-CEILING LIGHT	FL220WF-0206GIS	10	20WX2	D.P FLUSH	○	AC 220V	6.8		
	FL-CEILING LIGHT	FL220WS-0206GISNM	60	20WX2	W.T SURFACE	○	AC 220V	5.18		
	FL-CEILING LIGHT	FL220WS-1206GISNM	3	20WX2 (DC 10W)	W.T SURFACE	○	AC 220V DC 24V	5.2		
	FL-CEILING LIGHT	FL240WS-0206GISNM	79	40WX2	W.T SURFACE	○	AC 220V	7.7		
	FL-CEILING LIGHT	FL240WS-1206GISNM	1	40WX2 (DC 10W)	W.T SURFACE	○	AC 220V DC 24V	7.7		
	BED LIGHT	FB110NW-W206GJA	25	8W	NWT	○	AC 220V	1.4		
TEL. BOOTH LIGHT	FT108SN-W206GJA	3	8W	WT	○	AC 220V	1.3			



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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY		PARTICULARS			MFG. SER NO.	WEIGHT (KG)	MAKER
				SRIP	CAPACITY	TYPE	GL OBE			
GENERAL LIGHT FIXTURE	FL-MIRROR LT WITH R.SOCKET	FM115SR-T206GJA	5	15W	D.P	○	AC 220V		1.8	DAE YANG
	FL-DESK LT(ISTAND)	FD115NS-S206GJP	12	15W	NWT	○	AC 220V		4.2	
	FL-DESK LT (WALL MOUNTING TYPE)	FD115NS-W206GJA	11	15W	NWT	○	AC 220V		1.8	
	FL-PASSAGE LT	FN120NS-0206GIS	44	20W	NWT	○	AC 220V		3.75	
	IN-PENDANT LIGHT	IP60-20BNCG	55	60W	WT	○	AC 220V		2.2	
	FOLDING TABLE LIHGT	IT20-20W	1	40W	NWT		DC 24V		1.0	
	IN-BRACKET LIGHT	IK60-20BN	45	60W	WT	○	AC 220V		2.2	
	IN-CEILING LIGHT	IR20-24W1	2	20W	NWT	○	DC 24V		0.3	
	CHART TABLE LIGHT	IC60-20IS	4	60W	NWT		AC 220V		1.8	
	IN-PENDANT LIGHT	IP100-20PSCG	2	100W	WT	○	AC 220V		1.14	



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 (MACHINERY PARTICULARS)

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS				MFG. SER NO.	WEIGHT (KG)	MAKER
				CAPACITY	TYPE	GL OBE	VOLTAGE			
19 SWITCH	SWITCH,SURFACE	SI-SQ11D	51	AC250V 16A	NWT 2 16A		AC 220V		0.04	DAE YANG
	SWITCH,SURFACE,3-WAY	SI-SQ13D	4	AC250V 16A	W.T 1 16A		AC 220V		0.2	
	ROTARY SWITCH	SR-1BNE	27	AC250V 15A	W.T 2		AC 220V			
	ROTARY SWITCH(3-WAY)	SR-3BNE	8	AC250V 15A	W.T 2		AC 220V			
	DOOR SWITCH	KH-8010C	2	AC250V 16A	W.T 2 16A		AC 220V		0.4	
	SW BOX FOR COLD CHAMBER	SW-PNL	1	AC250V 16A	D.P		AC 220V			
20. RECEPTACLE	RECEPTACLE (SURFACE, FLUSH)	1013FPT	34	AC250V 16A	NWT 2+E		AC 220V		0.05	
	RECEPTACLE (SURFACE(DUAL), FLUSH)	1090FPT	30	AC250V 16A	NWT 2+E		AC 220V		0.15	
	RECEPTACLE	RT-3BNE	35	AC250V 16A	W.T 2+E		AC 220V		1.3	
	RECEPTACLE WITH SW	RT-3BNES	58	AC250V 16A	WT 2+E		AC 220V		1.4	
	PLUG	PG-W3BD	57	AC250V 16A	WT		AC 220V		0.5	
	PLUG	PG-N3PD	30	AC250V 16A	NWT		AC 220V		0.04	



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A4(210X297)

SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
21.	FIRE DETECTING SYSTEM	ADDRESSABLE TYPE	1	CONTROL PANEL :1 EA DETECTOR :50 EA FIRE ALARM P.B :27 EA FIRE ALARM BELL :16 EA REPEATER PANEL :1 EA FIRE ALARM HORN :3 EA STROBO LIGHT :3 EA		90	SARACO
22.	WHISTLE SYSTEM	WA-11/143 WE-12/143	1	AC 440V, 3PH, 60HZ / AC 220V, 1PH, 60HZ TIME CONTROLLER :1 EA AIR WHISTLE :1 EA WHISTLE RELAY BOX :1 EA ELEC. WHISTLE :1 EA		280	SARACO
23.	ELEC. CLOCK SYS.	SSC-MQ1	1	AC 220V, 1PH, 60HZ/ DC 24V MASTER CLOCK :1 EA SLAVE CLOCK :16EA		35	SAMSUNG
24.	AUTO TEL. EXCH. SYS.	HX-5040A	1	AC 220V, 1PH, 60HZ / DC 24V TELEPHONE EXCHANGER :1 EA TELEPHONE :41EA ROTARY LAMP :3 EA BELL :1 EA HORN BUZZOR :2 EA		200	M.R.C.
25.	HOSPITAL CALL ALARM SYS		1	AC 220V R.P / PUSH BUTTON :1 EA BUZZER :2 EA		6	SEUN
26.	REF. CHAMBER ALARM SYS		1	AC 220V ON-OFF SWITCH WITH RED LAMP :4 EA BELL AND WITH LAMP :2 EA		18	SEUN
27.	RUDDER ANGLE IND SYS		1	AC 220V, 1PH, 60HZ RUDDER ANGLE TRANSMITTER :1 EA RUDDER ANGLE INDICATOR :5 EA		50	DAEYANG
28.	COMMON BATTERY TEL. SYS.		1	TELEPHONE(DC 24V) :5 EA		20	M.R.C.



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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER
29.	ANEMOMETER & ANEMOSCOPE		1	AC 220V, 60HZ, IPH TRANSMITTER INDICATOR :1 EA :2 EA		20	DAE YANG
30.	PUBLIC ADDRESS & TALK BACK SYSTEM		1	AC 220V, 60HZ, IPH / DC 24V MAIN UNIT BRIDGE CONTROLLER SPEAKER MICROPHONE :1 EA :1 EA :44EA :4 EA		180	M.R.C
31.	MAGNETIC COMPASS	SH-165A	1	AC 220V, 60HZ, IPH / DC 24V DIMMER SWITCH COMPASS CONTROL PANEL :1 EA :1 EA :1 EA		90	SARACO
32.	AUTO PILOT AND GYRO COMPASS	PR-8367-L	1	AC 220V, 60HZ, IPH / DC 24V STEERING STAND REPEAT BACK UNIT COURSE RECORDER GYRO REPEATER HYD POWER UNIT RATE OF TURN INDICATOR :1 EA :2 EA :1 EA :4 EA :2 EA :1 EA		650	TOKIMEC
33.	ECHO SOUNDER	JFE-570S	1	AC 220V, 60HZ, IPH / DC 24V TRANSDUCER RECORDER MATCHING BOX :1 EA :1 EA :1 EA		45	JRC




DATA BOOKLET
(MACHINERY PARTICULARS)

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY / SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	 DATA BOOKLET (MACHINERY PARTICULARS)
34.	D.S LOG	JLN-202	1	AC 220V, 1PH, 60HZ TRANSDUCER :1 EA MAIN UNIT :1 EA INDICATOR :3 EA		35	JRC	
35.	RADAR	JMA-9303CA / 9253-9CA	1	AC 220V, 3PH, 60HZ DISPLAY UNIT :2 EA SCANNER UNIT :2 EA TRANSCEIVER :2 EA		540	JRC	
36.	WEATHER FAX. RECEIVER	JAX-39	1	AC 220V, 1PH, 60HZ RECEIVER :1 EA ANTENNA :1 EA		30	JRC	
37.	VHF RADIO TELEPHONE (NO.1 / NO.2)	JHS-32A	2	AC 220V, 1PH, 60HZ / DC 24V MAIN UNIT :2 EA ANTENNA :3 EA PRINTER :1 EA HANDSET CONNECTOR :2 EA		45	JRC	
38.	BATT. CHARGER		1	AC 440V, 3PH, 60HZ BATTERY CHARGER :1 EA		630	SEUN	
39.	COMMUNAL AERIAL SYS		1	AC 220V, 1PH, 60HZ A.M ANTENNA :1 EA MULTI AMPLIFIER :1 EA T.V/ RADIO OUTLET BOX :37EA DISTRIBUTOR :4 EA F.M/ T.V ANTENNA :1 EA		50	M.R.C	
40.	E/R CONTROL CONSOLE		1	AC 220V, 1PH, 60HZ / DC 24V		1300	HEECO	
41.	BRI. CONTROL CONSOLE		1	AC 220V, 1PH, 60HZ / DC 24V		500	HEECO	

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	DATA BOOKLET (MACHINERY PARTICULARS)
42.	800W MF/HF RADIO EQUIPMENT	JSS-710	1	AC 220V, 60HZ, 1PH ,DC24V : IEA MAIN ANTENNA : IEA DUPLEX ANTENNA : IEA GMDSS CONSOLE : IEA PRINTER : IEA ANTENNA COUPLER : IEA BATTERY : IEA MF/HF RADIO EQUIP. : IEA WATCH KEEPING REC. ANTENNA : IEA REMOTE CONTROLLER : IEA DATA TERMINAL : IEA MAIN JUNCTION BOX : IEA		500	JRC	
43.	TEMPERATURE TRANSMITTER	PTR-LN7 PTR-M PTR-LD PTR-SD	1	PTR-LN7 : 8EA PTR-M : 3EA PTR-LD : IEA PTR-SD : IEA		50	DAE YANG	
44.	STORAGE BATTERY	SS-300	1	DC 24V/ LEAD-ACID 300 AH/ 10 HOUR DISCHARGER		360	KYUNG WON	
45.	GPS NAVIGATOR	JLR-6800	2	AC 220V, 60HZ, 1PH ANTENNA : 2 EA RECEIVER : 2 EA POWER SUPPLY UNIT : 2 EA BUFFER UNIT : 1 EA		30	JRC	
46.	SAT. COM. -C	JUE-75A	1	AC 220V, 60HZ, 1PH ANTENNA : 1 EA INT. MOUNTED EQUIP. : 1 EA PRINTER : 1 EA POWER SUPPLY UNIT : 1 EA DATA TERMINAL : 1 EA		38	JRC	
47.	SAT. COMM. -B	JUE-300B1	1	AC 220V, 60HZ, 1PH DOME ANTENNA : 1 EA MAIN UNIT : 1 EA VIDEO DISPLAY UNIT : 2 EA TELEPHONE : 2 EA PRINTER : IEA FACSIMILE : IEA		200	JRC	

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SER NO	NAME OF EQUIPMENT	MODEL AND TYPE	QTY / SHIP	PARTICULARS	MFG. SER NO.	WEIGHT (KG)	MAKER	DATA BOOKLET (MACHINERY PARTICULARS)
48.	PRESS IND SYSTEM	KPS-45 RT-200 RT-5 SMP-2LB SMP-2LD	1	PRESS SWITCH :14EA PRESS INDICATOR/GAUGE :4 EA DIFF. PRESS INDICATOR :2 EA PRESS TRANSMITTER :3 EA DIFF. PRESS TRANSMITTER :2 EA		30	DAE YANG	
49.	LEVEL SWITCH		1	LS-FS-DI :19EA LS-VA :13EA		140	DAE HWA	
50.	SALINITY INDICATOR	Y0-100A	1	MAIN UNIT :1EA SALINITY CELL :1EA		60	DAE SUNG	
51.	VHF FM TWO-WAY RADIO TELEPHONE	JHS-7	1	AC 220V, 3PH, 60HZ MAIN UNIT :1 EA BATTERY PACK :3 EA TRANSCIVER :3 EA		6	JRC	
52.	ALARM MONITORING SYS.	DATA CHIEF-2400	1	AC 220V, 3PH, 60HZ / DC24V :1 EA EXT.ALARM PANEL :7 EA ALARM DISPLAY MONITOR :3 EA ALARM PRINTER :2 EA SAU :10EA ALARM BUZZER :4 EA		490	NOR-CONTROL	
53.	CO2 ALARM SYSTEM		1	AIR HORN :3EA ALARM BELL WITH LAMP :4EA		23	SEUN	
54.	NAVTEX	NCR-300A	1	AC 220V, 60HZ, 1PH MAIN UNIT :1 EA POWER SUPPLY UNIT :1 EA ANTENNA :1 EA		13	JRC	
55.	RADAR TRANSPONDER	JQA-20A	2	RADAR TRANSPONDER :2 EA		3	JRC	
56.	SATELLITE E.P.I.R.B	JQE-3A	1	SATELLITE E.P.I.R.B :1 EA		6	JRC	
57.	ELECTRIC LIST INDICATOR		1	ULD-200C :1EA ULL-500S :1EA		53	UTSUKI KE IKI	

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MAKER'S NAME	ADDRESS	TELEPHONE	TELEX	FAX	△
DEMP A/S DANISH ENGINEERING & MARINE POWER	25, SKUDEHAVNSVEJ, DK 2100 COPENHAGEN, DENMARK	45-3120-5422		45-3120-3349	\$$ MAKER'S ADDRESS
SEUN ELEC.CO.LTD	797-5 GAMCHUN-DONG, SAHA-KU PUSAN KOREA	(051) 208-4641/2		(051) 208-4643	
HYUNDAI INFORMATION TECH CO., LTD (NOR-CONTROL)	13F, WOOLIM BLDG 1306-6, SEOCHO-DONG, SEOCHO-KU, SEOUL, KOREA	(02) 3466-4401/2		(02) 3466-4198	
DAE HWA ENGINEER CO., LTD	969-3, NAMSAN-DONG, KUMJUNG-GU PUSAN, KOREA	(051) 517-6069		(051) 514-0438	
SAM SUNG WATCH CO., LTD	9TH FL, CHOONGANG SEED BLDG,814-5, YEOKSAM-DONG, KANAM-KU, SEOUL, KOREA	(02) 568-2833,2834	QSTAR K23837	(02) 568-2835	
UTSUKI KEIKI CO. LTD	3530, KAMIYABE-CHO, TOTSUKA-KU, YOKOHAMA, JAPAN	045-813-1239		(045) 811-0425	
H.H.I (INDUSTRIAL & POWER SYSTEMS) SWITCHGEAR DESIGN DEPARTMENT	337 ILSAN-DONG, DONG-KU ULSNN, KOREA	(0522) 50-2129-32		(0522) 50-2280	
H.H.I (INDUSTRIAL & POWER SYSTEMS) MOLD TRANSFORMER DEPARTMENT	337 ILSAN-DONG, DONG-KU ULSNN, KOREA	(0522) 70-9141-7		(0522) 60-8592	
H.H.I (INDUSTRIAL & POWER SYSTEMS) MARINE GENERATOR DESIGN DEP'T	337 ILSAN-DONG, DONG-KU ULSNN, KOREA	(0522) 30-6611/12		(0522) 60-6995, 6950	
H.H.I (INDUSTRIAL & POWER SYSTEMS) INDUSTRIAL MOTOR DEPARTMENT	337 ILSAN-DONG, DONG-KU ULSNN, KOREA	(0522) 30-6611, 2194		(0522) 30-6995, 50-2283	

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MAKER'S NAME	ADDRESS	TELEPHONE	TELEX	FAX	MAKER'S ADDRESS
SAMYANG RADIO CO., LTD.	141-164,3KA, NAMHANG-DONG, YOUNGDO-KU, BUSAN, KOREA	(051) 413-5000/2	K53700 SUNMAX	(051) 413-0461	
DAE YANG INST. CO., LTD.	141-126,3KA,NAMHANG-DONG, YONGDO-KU BUSAN, KOREA	(051) 412-6311	DYEMC K52346	(051) 412-6313	
TOKIMEC INC.	144,16-46,MINAMI-KAMATA 2-CHOME OHTA-KU,TOKYO,JAPAN	(03) 3737-8611		(03) 3737-8663	
JAPAN RADIO CO., LTD	AKASAKA TWIN TOWER(MAIN 5,6 FL) 17-22 AKASAKA 2-CHMOE,MINATO-KU,TOKYO,JAPAN	03-3584-8711	2425420 JRC TOK J	(03) 3584-8795	
KYUNG WON CO., LTD	223-12 SANGDAEWON-DONG SUNGNAM-SHI KYUNGKIDO, KOREA	(02)-837-3311 (0342)-43-8401-4	K23521	(02) 407-2390	
DAE SUNG IND. CO.	301, KUM HO BLDG, IKA-3, NAMHANG-DONG, YOUNG DO-KU, PUSAN KOREA	(051) 418-3505~6		(051) 418-3507	
MARINE RADIO CO.,LTD	141-132,3KA,NAMHANG-DONG,YOUNGDO-KU PUSAN,KOREA	(051) 414-7891-5	52026 K MARADIO	(051) 413-2604	
SUNG WOO PRECISION & INDUSTRIAL CO., LTD	1 CHEON HA-DONG, DONG-KU ULSAN, KOREA	(0522) 30-5866		(0522) 52-1265	
SAMSUNG CO. LTD	197-47, KURO-3 DONG, KURO-KU, SEOUL, KOREA	(02) 851-2511		(02) 851-2515	

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