# 主要設備一覧

## 航海計器

| | | |
|---|---|---|
| ジャイロコンパス | TG-6000 | 1式 |
| トランスミッティングコンパス | TMC-1 | 1式 |
| オートパイロット | PR-8268-HSP | 1式 |
| 第一レーダー | BR-3440MA-X59 Xバンド 50KW 96海浬 | 1台 |
| 第二レーダー | BR-3440MA-X59 Xバンド 50KW 96海浬 | 1台 |
| 無線方位測定機 | TD-C338MARKⅡ、TD-A157 | 各1台 |
| 航法装置 | | |
| 航海用電子海図装置(ECDIS) | EC-6000 | 1式 |
| 航海情報表示装置 | BM-2000 | 1式 |
| GPS航法装置 | JLR-6800 | 1式 |
| ロランC航法装置 | JNA-757 | 1式 |
| パーソナルコンピューターシステム | | 1式 |
| 磁気コンパス | SH-165A | 1台 |
| 風向風速計 | MM-30 | 1式 |
| 水晶時計 | | 1式 |
| 実習用航海計器(GPS航法装置、ロランC航法装置) | | 1式 |
| 音響測深儀 | FE-680T | 1台 |

## 機関

| | | |
|---|---|---|
| 主機関 | E28BFD 1800PS×450/215rpm | 1台 |
| プロペラ 4翼ハイスキュー可変ピッチプロペラ | CPR65A80VCN 2900Ø | 1台 |
| バウスラスター(可変ピッチプロペラ) | TCA-30MN 推力3.0T×200KW | 1基 |
| 機関制御室制御盤 | | 1面 |
| 主発電機関 | S165L-EN 600PS×1200rpm | 2台 |
| 主発電機 | TWY38CS-6S 500KVAXAC450V | 2台 |
| 冷凍機 | VM62RM 19000kcal/h | 3台 |
| | RKS8F 3700kcal/h | 1台 |
| 燃料油清浄装置 | ACE-10V 600ℓ/h | 1台 |
| 潤滑油清浄装置 | 50K-81BS 400ℓ/h | 1台 |
| 潤滑油清浄装置 | YS-200 200ℓ/h | 2台 |
| 油水分離器 | SMT-05 0.5㎥/h×15ppm | 1台 |
| 造水装置 | HR-10N 10t/d | 1台 |
| 飲料水滅菌装置 | USS-2K 紫外線式 | 1式 |
| 操舵室制御盤 | | 1式 |
| 温度・圧力常時監視装置データロガー記録 CRT表示 | | 1式 |
| 機関室表示盤 | | 1式 |

## 通信装置

| | | |
|---|---|---|
| 自動交換電話装置 | NCF-945A 40回線 | 1式 |
| パトロール呼出装置 | | 1式 |
| モーターサイレン | Q100 | 1式 |
| エヤーホーン | A100E | 1式 |
| 船内指令装置 | NAV-1910C75A | 1式 |
| 船上連絡用UHF装置 | SF400PBT 400MHz | 3台 |
| 火災警報装置 | FE-3061D-10 | 1式 |
| 船内光通信システム | SAF-910-02 | 1式 |

## 漁撈・甲板機械

| | | |
|---|---|---|
| 操舵機 油圧式 | 6T-m | 1台 |
| シリング舵 | | 1台 |
| 揚錨機 電動機式 | 4.8T×12m/min | 1台 |
| キャプスタン 電動可逆式 | 2.5T×14m/min | 1台 |
| 電動ホイスト | 0.9T×30m/min | 1台 |
| 電動ホイスト | 0.25T×13m/min | 1台 |
| ラインホーラー | KH-18BF-ET | 1台 |
| ブランエース | BA-100-5A | 2台 |
| 浮縄巻機 | EFL-20L | 1台 |
| 投餌機 | FSV-20B | 1台 |
| コイルシフター | 500R | 1台 |
| 投縄機 | | 1台 |
| 巻き揚機 | IP-50 | 1台 |
| 搬送コンベヤー 3.7KW 電動式 | | 1台 |
| スローコンベヤー(揚縄用・投縄用) | | 各1台 |
| カラー魚群探知機 | FCV-10 | 1式 |
| 魚群探知機 | FE-1282 28/200KHz | 1式 |
| 潮流観測装置 | JLN-615 | 1式 |
| 漁撈情報処理システム | | 1式 |
| 魚倉温度計 | | 1式 |
| 漁撈監視テレビ | | 1式 |

## 無線装置

| | | |
|---|---|---|
| 500Wラック型無線装置 | | 1式 |
| 送信機 | RC144A 500W | X1 |
| 全波受信機 | RR107A | X2 |
| MF/HF無線装置 (GMDSS対応機器) | | 1式 |
| MF/HF送信機 | RSS112A 150W | X1 |
| MF/HF DSC聴取受信機 | | X1 |
| デジタル選択呼出装置 | | X1 |
| NBDP装置 | | 各1 |
| データターミナル | RF24B | X2 |
| RO・プリンター | (RF25A,RF11A) | 各1 |
| MF/HF無線電話遠隔制御盤 | RC140A | X1 |
| 緊急自動受信機 | RN82B | 1台 |
| VHF無線電話装置 | | 1式 |
| | NO.1VHF RSS201A | X1 |
| | NO.2VHF RU224A | X1 |
| インマルサットC EGC付 | RSS403A | 1台 |
| ナブテックス受信機 | RR103A | 1台 |
| インマルサットB | RSS402A | 1式 |
| SSB無線電話装置 | RS107SA 27MHz | 1台 |
| DSB 〃 | RS110DA 27MHz | 1台 |
| DSB 〃 | RU211DA 40MHz | 1台 |
| DSB 〃 | JHV-1152 150MHz | 1台 |
| アマチュア無線装置 | TS-450S,IC2710D | 1式 |
| 気象用ファクシミリ | RF117A | 2台 |
| 船間ファクシミリ | JAX-840 | 1台 |
| 海象衛星受画装置 | JCV-26A | 1台 |
| 船間セルコール装置 | | 1式 |

## 観測機器

| | | |
|---|---|---|
| 電動油圧測深儀 | TS-2PN | 1式 |
| STD測定装置 | | 1式 |
| COD測定装置 | | 1式 |
| サリノメーター | | 1台 |
| アクアラングセット | | 2式 |

## その他の機器

| | | |
|---|---|---|
| 第1種膨張式救命筏 | TRA-6A | 2台 |
| | TRA-25A | 8台 |
| 降下式乗込装置 | TSV-6 | 2台 |
| 複合型救助艇 | TRB-480 | 1艇 |
| 救助艇ダビット | MVD(R)2000/2650F | 1台 |
| 夜間通行監視警報装置 | | 1式 |
| フロンガス漏警報装置 | GD-A8V | 1式 |
| 衛星EPIRB | RJ302A | 1台 |
| レーダートランスポンダ | TBR-500 | 2台 |
| 双方向無線電話装置 | RU207A | 3台 |
| 衛星放送テレビ受信装置 | BS-NSA-100B | 1式 |
| 冷凍機監視テレビ | | 1式 |

The Ship's Main Specification etc.

| | | | |
|---|---|---|---|
| Construction Begun | 1/25/1996 | Speed(max test pilot) | 15.05 knots |
| Launched | 3/18/1996 | (at sea voyage) | 12.50 knots |
| Construction Completed: | 6/26/1996 | | |
| Ship-owner | Ehime Prefecture | Capacity | |
| Constructed by | Shin-Kurushima Dock, Co., Ltd. | Fuel Tank | 341 cu. meters |
| | | Lubrication Tank | 12 cu. meters |
| Design Supervision | Fishing Boats Association [of Japan] | Pure Water Tank | 61 cu. meters |
| | | Pure Water Tank for misc. use | 36 cu. meters |
| Length (total length) | 58.18 m | Fish hold (refrigerating hold | 108 cu. meters |
| (registered) | 50.60 m | Freezing Room | 60 cu. meters |
| (between perpen diculars) | 50.00 m | Preparation Room | 13 cu. meters |
| Width (mold) | 9.30 m | Crew Capacity | 67 people total |
| Depth (mold) | 3.90 m | (45 students, 2 instructors, | 20 crew) |
| Loaded Waterline Planned (mold) | 3.50 m | Navigation Area / Qualification | International voyage, Type 3 Fishing Vessel |
| Total Tonnage | 499 tons | Port of Registry | Matsuyama City, Ehime Prefecture |
| Ship Number | 135174 | | |
| Signal Symbol | JPQI | | |

| Main Features of this Ship | |
|---|---|
| 1. Ship's Hull: | Stern-valve, bow-valve construction uses Schilling rudder and bow-thruster. |
| 2. Navigational Equipment: | Uses a cockpit-type console which combines radar, navigational information, steering equipment(with tracking function) and main mechanical control equipment. |
| 3. Engine: | Low-noise, low-vibration low-speed engine; uses data-logger and large-diameter high-skew variable pitch propellers. |
| 4. Communication: | GMDSS(International system for prevention of being lost at sea and safety), Marine satellite communication equipment, etc. |
| 5. Instructional Material: | Training navigator unit, training radar, training data-logger, and CPU room installed. |
| 6. Living Quarters: | A ship that complies with the SOLAS Agreement (international agreement for the safety of human lives at sea), with complete fire-extinguishing and rescue installations, with reinforced noise-reduction and anti-vibration measures. |
| 7. Various instruments, etc.: | A fiber-optic intercom system within ship, automated fishing equipment, weather satellite image downlink equipment, tide/current observation equipment, etc. |

[Photograph of Ship]

Caption: The *Ehime-maru* on voyage.

Re hands-on training, in addition to hands-on training for long-line fishing for tuna, the coast voyage experience for students of all courses is planned.

With this newly-build "moving classroom" it is hoped that we instill a sense of mission in the marine products industry, and foster human resources having a wealth of humanity, who will play active [roles] as middle [management] characters in the marine products world, and also make contributions to [help the industry] develop in the local community as well.

## 2. Summary of the Plan[Project]

As a marine-products training ship for the Ehime Prefectural Uwajima Marine Products High School, we planned this ship to become the state-of-the-art training ship with the objective of boarding the students of the school and conducting the following hands-on training:

(1) Hands-on training for long-line tuna fishing.
(2) Hands-on training of the art of navigation, instrumentation, and operation.
(3) Hands-on training of the study of engines.
(4) Oceanographic observation and investigation/research of marine life resources.
(5) Experiencing coastal voyage.

## 3. Principal Specifications

This ship is a all-pass[?] single-layer deck type fishing training ship possessing a forecastle and a long poop, with a spherical type bow/ cruiser-type stern and avoids excessive trimming astern by attaching an initial trim. Furthermore, it has adopted a low-revolution large diameter high-skew variable pitch propeller which attempts to lower vibrations astern. Also, the main proportions for the ship are as follows:

| | | |
|---|---|---|
| Length | (total length) | 58.18 m |
| | (registered) | 50.60 m |
| | (between perpen diculars) | 50.00 m |
| Width (mold) | | 9.30 m |
| Depth (mold) | | 3.90 m |
| Loaded Waterline Planned (mold) | | 3.50 m |
| Total Tonnage | | 499 tons |
| International Total Tonnage | | 741 tons |
| Net Tonnage | | 222 tons |
| Max Boarding Capacity (45 students, 2 instructors, | 20 crew) | 67 people |
| Capacity | | |
| Fuel Tank | | 341 cu. meters |
| Lubrication Tank | | 12 cu. meters |
| Pure Water Tank | | 61 cu. meters |
| Pure Water Tank for misc. use | | 36 cu. meters |
| Fish hold (refrigerating hold | | 108 cu. meters |
| Freezing Room | | 60 cu. meters |
| Preparation Room | | 13 cu. meters |
| Main Engine | | Akasaka E28BFD 1,800PS x x1 |
| Max Test-Piloting Speed | | approx. 15.05 kn |
| Navigational Speed | | 12.50 |
| Qualification | | Type 3 Fishing Boat |
| Voyage Area | | Far[Open] Sea (Int'l Waters) |

# List of Main Facilities

## Navigational Instruments

Gyro-Compass TG-6000 ..... x1
Transmitting Compass TMC-1 ..... x1
Auto-pilot PR-8266-HSP ..... x1
No. 1 Radar BR-3440MA-X59 X-band
50kW 96 naut.mi. ..... x1.
No. 2 Radar BR-3440MA-X59 X-band
50 kW 96 naut.mi. ..... x1.
Wireless Bearing Reader TD-C338 Mark II,
TD-A157 ..... x1.
Navigational Instruments
Electronic Sea-Charter (ECDIS) EC-6000 ..... x1.
Navigational Info Display BM-2000 ..... x1.
GPS Navigator JLR-6800 x1.
LORAN C Navigator JNA-757 ..... x1.
Personal Computer System x1.
Magnetic Compass SH-165A ..... x1.
Wind Direction/Velocity Anemometer MM-30 ..... x1.
Quartz-Crystal Clock ..... x1.
Training Navigation Instruments (GPS Navigator, LORAN C Navigator) ..... x1.
Depth Sounder ..... x1.

## Engine

Main engine E28BFD 1800PSx450/215rpm ..... 1unit.
Propeller 4-blade high-skew variable pitch propeller CPR65A80VCN 2900ϕ ..... x1.
Bow Thruster (variable pitch propeller) TCA-30MN thrust 3.0Tx200kW ..... x1.
Control Board, Engine Control Room ..... x1.
Main Generating Engines S165L-EN 600PSx1200rpm x2.
Main Generator TWY38CSA-6S 500KVAX x AC450V ..... x2.
Freezers VM62RM 19000 kcal/h ..... x3.
RKS8F 3700 kcal/h x1.
Fuel Cleaner ACE-10V 600liters/h ..... x1.
Lubricant Cleaner 50K-81BS 400 liters/h ..... x1.
Lubricant Cleaner YS-200 200 liters/h ..... x2.
Oil/Water Separator SMT-05 0.5m3/h x 15 ppm ..... x1.
Water Maker HR-10N 10t/d ..... x1.
Drinking Water Disinfectant USS-2K ultraviolet ..... x1
Control Board, Steering Room x1.
Temperature/Pressure Monitor Data Logger Recorder CRT Display ..... x1.
Engine Room Display Panel x1.

## Communication Equipment

Auto-switch telephone NCF-945A 40 lines ..... 1 set.
Patrol Bell[Buzzer] ..... 1 set.
Motor Siren Q100 ..... 1 set.
Air horn[?] A100E ..... 1 set.
Vessel Command [PA system] NAV-1910C75A ..... 1 set
Aboard-Ship UHF-Communicator SF400PBT 400MHz ..... 3 sets.
Fire Alarm FE 3061D-10 ..... x1.
Fiber Optic Intercom SAF 910-02 ..... 1 set.

## Fishing Machinery

Steering - hydraulic 67-m ..... x1.
Schilling Rudder ..... x1.
Electrically Powered Anchor Winder 4.8T x 12m/min. ..... x1.
Electric Reversible Capstan 2.5Tx14m/min. ..... x1.
Electric Hoister 0.9Tx30m/min. ..... x1.
Electric Hoister 0.25Tx13m/min ..... x1.
Line Hauler KH-18BF-ET ..... x2.
Long-line Winder EFL-20L ..... x1.
Chumming Machine ESV-20R ..... x1.
Coil Shifter 500R ..... x1.
Line Thrower ..... x1.
Winder IP-50 ..... x1.
Transport Conveyor 3.7kW(electric) ..... x1.
Slow Conveyor (Pulling / Throwing Line) ..... x1 each.
Color Fish School Imaging FCV-10 ..... x1.
Fish School Imaging FE-1282 26/200kHz ..... x1.
Tide/Current Observer JLN-615 ..... x1.
Fishing Data Processing System ..... x1.
Fish Storage Thermometer ..... x1.
Fishing monitor TV ..... x1.

## Wireless Devices

500W Rack Wireless ..... x1.
Transmitter RC144A 500W x 1
All-Band Receiver RR107A x 2
MF/HF Wireless(GMDSS compatible) ..... x1.
MF/HF transmitter RSS112A 150W x1
MF/HF DSC Listener/Receiver x1
Digital Select Hailer x1
NBDP x1
Data Terminal RF24B x2
RO Printer (RF25A, RF 11A) 1 each
MF/HF wireless phone remote control board
Emergency Automatic Receiver RN82B ..... x1.
VHF Wireless Phone ..... x1.
No.1 VHF RSS 201 A x 1
No.2 VHF RU224A x1
InmarSat C w/ EGC RSS403A x1.
Navtex Receiver RR103A ..... x1.
InmarSat B RSS402A ..... x1.
SSB Wireless Phone RS107SA 27MHz ..... x1.
DSB " RS110DA 27MHz ..... x1.
DSB " RU211DA 40MHz ..... x1.
DSB " JHV-1152 150MHz ..... x1.
Amateur Radio Set TS-450S, IC2710D ..... x1.
Weather Facsimile RF-117A ..... x2.
Ship-to-Ship Facsimile JAX-840 ..... x1.
Oceanic Satellite Image Downlink JCV-26A ..... x1.
Ship-to-Ship Cell Caller ..... x1.

## Observation Instruments

Electric-Powered Hydraulic Bathymeter TS-2PN ..... x1.
STD Measuring Instrument x1.
COD Measuring Instrument x1.
Salinometer ..... x1.
Aqualung[Scuba] Sets ..... x2.

## Other Instruments

Type-1 Inflatable Life Raft TRA-6A ..... x2.
TRA-25A ..... x8.
Descent-type Boarding Device TSV-6 ..... x2.
Composite type rescue vessel TRB-480 ..... x1.
Nighttime Passage Monitor Alarm ..... x1.
Fluorocarbon Gas Leak Alarm GD-A8V ..... x1.
Satellite EPIRB RJ302A ..... x1.
Radar Transponder TBR-500 x2.
Bidirectional Wireless Phone RU207A ..... x3.
Satellite Broadcast TV Receiver BS-NSA-100B ..... x1.
Freezer Monitoring TV ..... x1.

The Ship's Main Specification etc.

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| Width (mold) | 9.30 m | Crew Capacity | 67 people total |
| Depth (mold) | 3.90 m | (45 students, 2 instructors, | 20 crew) |
| Loaded Waterline Planned (mold) | 3.50 m | Navigation Area / Qualification | International voyage, Type 3 Fishing Vessel |
| Total Tonnage | 499 tons | Port of Registry | Matsuyama City, Ehime Prefecture |
| Ship Number | 135174 | | |
| Signal Symbol | JPQI | | |

| Main Features of this Ship | |
|---|---|
| 1. Ship's Hull: | Stern-valve, bow-valve construction uses Schilling rudder and bow-thruster. |
| 2. Navigational Equipment: | Uses a cockpit-type console which combines radar, navigational information, steering equipment(with tracking function) and main mechanical control equipment. |
| 3. Engine: | Low-noise, low-vibration low-speed engine; uses data-logger and large-diameter high-skew variable pitch propellers. |
| 4. Communication: | GMDSS(International system for prevention of being lost at sea and safety), Marine satellite communication equipment, etc. |
| 5. Instructional Material: | Training navigator unit, training radar, training data-logger, and CPU room installed. |
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[Photograph of Ship]

Caption: The *Ehime-maru* on voyage.

EXHIBIT 54
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| Pure Water Tank for misc. use | | 36 cu. meters |
| Fish hold (refrigerating hold | | 108 cu. meters |
| Freezing Room | | 60 cu. meters |
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| Main Engine | | Akasaka E28BFD 1,800PS x x1 |
| Max Test-Piloting Speed | | approx. 15.05 kn |
| Navigational Speed | | 12.50 |
| Qualification | | Type 3 Fishing Boat |
| Voyage Area | | Far[Open] Sea (Int'l Waters) |

# List of Main Facilities

## Navigational Instruments

Gyro-Compass TG-6000 ..... x1
Transmitting Compass TMC-1 ..... x1
Auto-pilot PR-8266-HSP ..... x1
No. 1 Radar BR-3440MA-X59 X-band 50kW 96 naut.mi. ..... x1.
No. 2 Radar BR-3440MA-X59 X-band 50 kW 96 naut.mi. ..... x1.
Wireless Bearing Reader TD-C338 Mark II, TD-A157 ..... x1.
Navigational Instruments
Electronic Sea-Charter (ECDIS) EC-6000 ..... x1.
Navigational Info Display BM-2000 ..... x1.
GPS Navigator JLR-6800 x1.
LORAN C Navigator JNA-757 ..... x1.
Personal Computer System x1.
Magnetic Compass SH-165A ..... x1.
Wind Direction/Velocity Anemometer MM-30 ..... x1.
Quartz-Crystal Clock ..... x1.
Training Navigation Instruments (GPS Navigator, LORAN C Navigator) ..... x1.
Depth Sounder ..... x1.

## Engine

Main engine E28BFD 1800PSx450/215rpm ..... 1unit.
Propeller 4-blade high-skew variable pitch propeller CPR65A80VCN 2900ϕ ..... x1.
Bow Thruster (variable pitch propeller) TCA-30MN thrust 3.0Tx200kW ..... x1.
Control Board, Engine Control Room ..... x1.
Main Generating Engines S165L-EN 600PSx1200rpm x2.
Main Generator TWY38CSA-6S 500KVAX x AC450V ..... x2.
Freezers VM62RM 19000 kcal/h ..... x3.
RKS8F 3700 kcal/h x1.
Fuel Cleaner ACE-10V 600liters/h ..... x1.
Lubricant Cleaner 50K-81BS 400 liters/h ..... x1.
Lubricant Cleaner YS-200 200 liters/h ..... x2.
Oil/Water Separator SMT-05 0.5m3/h x 15 ppm ..... x1.
Water Maker HR-10N 10t/d ..... x1.
Drinking Water Disinfectant USS-2K ultraviolet ..... x1
Control Board, Steering Room x1.
Temperature/Pressure Monitor Data Logger Recorder CRT Display ..... x1.
Engine Room Display Panel x1.

## Communication Equipment

Auto-switch telephone NCF-945A 40 lines ..... 1 set.
Patrol Bell[Buzzer] ..... 1 set.
Motor Siren Q100 ..... 1 set.
Air horn[?] A100E ..... 1 set.
Vessel Command [PA system] NAV-1910C75A ..... 1 set
Aboard-Ship UHF-Communicator SF400PBT 400MHz ..... 3 sets.
Fire Alarm FE 3061D-10 ..... x1.
Fiber Optic Intercom SAF 910-02 ..... 1 set.

## Fishing Machinery

Steering - hydraulic 67-m ..... x1.
Schilling Rudder ..... x1.
Electrically Powered Anchor Winder 4.8T x 12m/min. ..... x1.
Electric Reversible Capstan 2.5Tx14m/min. ..... x1.
Electric Hoister 0.9Tx30m/min. ..... x1.
Electric Hoister 0.25Tx13m/min ..... x1.
Line Hauler KH-18BF-ET ..... x2.
Long-line Winder EFL-20L ..... x1.
Chumming Machine ESV-20R ..... x1.
Coil Shifter 500R ..... x1.
Line Thrower ..... x1.
Winder IP-50 ..... x1.
Transport Conveyor 3.7kW(electric) ..... x1.
Slow Conveyor (Pulling / Throwing Line) ..... x1 each.
Color Fish School Imaging FCV-10 ..... x1.
Fish School Imaging FE-1282 26/200kHz ..... x1.
Tide/Current Observer JLN-615 ..... x1.
Fishing Data Processing System ..... x1.
Fish Storage Thermometer ..... x1.
Fishing monitor TV ..... x1.

## Wireless Devices

500W Rack Wireless ..... x1.
Transmitter RC144A 500W x 1
All-Band Receiver RR107A x 2
MF/HF Wireless(GMDSS compatible) ..... x1.
MF/HF transmitter RSS112A 150W x1
MF/HF DSC Listener/Receiver x1
Digital Select Hailer x1
NBDP x1
Data Terminal RF24B x2
RO Printer (RF25A, RF 11A) 1 each
MF/HF wireless phone remote control board
Emergency Automatic Receiver RN82B ..... x1.
VHF Wireless Phone ..... x1.
No.1 VHF RSS 201 A x 1
No.2 VHF RU224A x1
InmarSat C w/ EGC RSS403A x1.
Navtex Receiver RR103A ..... x1.
InmarSat B RSS402A ..... x1.
SSB Wireless Phone RS107SA 27MHz ..... x1.
DSB " RS110DA 27MHz ..... x1.
DSB " RU211DA 40MHz ..... x1.
DSB " JHV-1152 150MHz ..... x1.
Amateur Radio Set TS-450S, IC2710D ..... x1.
Weather Facsimile RF-117A ..... x2.
Ship-to-Ship Facsimile JAX-840 ..... x1.
Oceanic Satellite Image Downlink JCV-26A ..... x1.
Ship-to-Ship Cell Caller ..... x1.

## Observation Instruments

Electric-Powered Hydraulic Bathymeter TS-2PN ..... x1.
STD Measuring Instrument x1.
COD Measuring Instrument x1.
Salinometer ..... x1.
Aqualung[Scuba] Sets ..... x2.

## Other Instruments

Type-1 Inflatable Life Raft TRA-6A ..... x2.
TRA-25A ..... x8.
Descent-type Boarding Device TSV-6 ..... x2.
Composite type rescue vessel TRB-480 ..... x1.
Nighttime Passage Monitor Alarm ..... x1.
Fluorocarbon Gas Leak Alarm GD-A8V ..... x1.
Satellite EPIRB RJ302A ..... x1.
Radar Transponder TBR-500 x2.
Bidirectional Wireless Phone RU207A ..... x3.
Satellite Broadcast TV Receiver BS-NSA-100B ..... x1.
Freezer Monitoring TV ..... x1.