



## **JOHNSON 87 TECHNICAL SPECIFICATION**



This general specification is for guidance only; it does not constitute an offer for sale of any particular yacht. The company reserves the right to change the specification at anytime and it may vary from one country to another. A detailed specification will, of course, be agreed with a client prior to the signing of a contract.

# **JOHNSON 87 MOTORYACHT**

## **DESCRIPTION OF ESSENTIAL EQUIPMENT AND FEATURES**

### **I. HULL & DECK – EXTERIOR GENERAL:**

1. MAINDECK-TEAK(EXCEPT FWD DECK)
2. HIGH BULWARK, FLUSH MOUNTED DECK LIGHTS & BULWARK SIDE DOORS FOR BOARDING
3. STAINLESS STEEL INTEGRAL ROLLERS & CHAIN STOPPER FOR ANCHOR CHAIN
4. VERTICAL ELECTRIC ANCHOR WINCHES
  - MAXWELL VWC4000C/HY. (DUAL)  
VERTICAL HYDRAULIC WINDLASS, DUAL DIRECTION, CHROMED, CLOCKWISE ROTATION, WITH CHAINWHELL C3182/016(1/2"HT), AND PARTS:  
2EA FOOT SWITCH W/COVER  
2EA 24VDC REMOTE CONTROL PANEL
5. AFT. DECK MOORING CAPSTAN \* 2 SET  
(PLUS ONE ADDITIONAL CAPSTAN IN STBD OF SWIM PLATFORM)
  - MAXWELL VERTICAL ELECTRIC CAPSTAN  
VC2200W/D, WIDE DRUM SINGLE DIRECTION, 24VDC,CHROMED, AND PARTS:  
1 EA FOOT SWITCH W/COVER  
1 EA 80 AMP BREAKER PANEL  
1 EA P19046 REVERSING SOLENOID PACKS, 24VDC
6. STAINLESS STEEL 130 LB ANCHOR \* 2 EAC
7. 300 FEET (1/2") HIGH TENSILE GAL ANCHOR CHAIN \* 2 SET
8. FRESH WATER ANCHOR CHAIN WASH DOWN
9. HEAVY DUTY S/S 2" HANDRAIL WITH 1 1/4" STANCHIONS
10. S/S FLAGPOLE ON BOW RAIL
11. FORWARD DECK STORAGE LOCKER FOR FENDERS AND LINES
12. HEAVY DUTY 316# STAINLESS STEEL CLEATS AND FAIRLEADS WITH ROLLERS
13. BLACK TEMPERED SAFETY GLASS (EXCEPT 5 WINDOWS IN FRONT OF P/H)
14. STAINLESS STEEL PENUMATIC SALOON SLIDING DOOR
15. SIDE DOORS IN DECK HOUSE
16. STAINLESS STEEL PORT LIGHTS
17. HOT & COLD WATER SHOWER – SWIM PLATFORM
  - SSI 48509000 STOWAWAY SHOWER UNIT WHITE \* 1 SET
18. LARGE TEAK INLAY SWIM PLATFORM WITH CURVED STAIRWAY TO MAIN AFT DECK

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19. FOLDING SWIM LADDER IN STORAGE WELL
20. S/S HANDRAILS ON AFT DECK STAIRS
21. AFT DECK SEATING
22. AFT DECK HIGH-LOW DINING TABLE WITH BURR WOOD INLAY & COMPASS
23. SOLID STAINLESS STEEL RUB RAIL AROUND HULL/DECK JOINT
24. RUB RAIL WITH S/S CAP ON LOWER AFT HULL SIDES
25. ANTIFOULING BOTTOM PAINT  
INTERNATIONAL INTERPROTECT COLOR: BLACK
26. BOOT STRIPE COLOR: BLACK
27. ZINC ANODES ON TRANSOM

## II. FLYBRIDGE :

1. NON-SKID FRP
2. INSTRUMENT CONSOLE W/ PERSPEX COVER
3. "U" SHAPED SEATING AND TABLE
4. WET BAR:
  - REFRIGERATOR /ICE MAKER U-LINE COMBO29 220V/50HZ
  - BARBEQUE: BOSCH PKU375C01 220V/50HZ (TO BE DECIDED)
  - SINK W/TAP: LP-7000 S/S
5. INTEGRATED S/S HANDRAILS AROUND BAR UNIT
6. INDIRECT LIGHTING SYSTEM UNDER WET BAR AND SEATING
7. TEAK STAIRWAY FROM AFT DECK TO FLYBRIDGE
8. DAVIT
  - BESENZONI G311 ARM LENGTH 420CM/600KGS LIFTING CAPACITY /24V \* 1 SET
9. F/B INSPECTION COVER BOMAR BOM844 W 10"
10. AIR HORN
  - BUELL AIR HORN COMPRISING:
    - 1 EA 5444-3 24V TANK MNTD COMPRESSOR
    - 1 EA 1062 12" STROMBOS AIR HORN
    - 1 EA 1063 15" STROMBOS AIR HORN
    - 1 EA 1064 18" STROMBOS AIR HORN

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11. FLAG STAFF ON REAR OF FLYBRIDGE
12. F/B HELMSEAT
  - BENCH SEAT
13. BAR STOOL
  - ARITEX \* 2 EAC
14. FRP HARD TOP

### III. ENGINE PROPULSION & STEERING SYSTEM:

1. ENGINE
  - CAT C-30 1550HP \* 2 SET
2. ENGINE FUEL FILTER
  - RACOR 75/1000MAX W/ALARM \* 2 EAC
3. GENERATOR FUEL FILTER
  - RACOR 75/500MAX W/ALARM \* 2 EAC
4. S/S SHAFTS
  - AQUATECH 22HS $\psi$ 3-1/2"
5. HIGH PERFORMANCE 5-BLADE PROPELLERS
6. MAIN & INTERMEDIATE BRONZE SHAFT STRUTS WITH BACKING PLATES
7. SHAFT & RUDDER PACKING GLANDS WITH MAINTENANCE FREE TIDE STRONG SEALS
  - TIDES RUDDER SEAL & SHAFT SEAL 3-1/2"
8. ELECTRONIC ENGINE CONTROL SYSTEM
  - MORSE ELECTRONIC ENGINE CONTROL
9. HYNAUTIC POWER STEERING SYSTEM WITH PTO ON BOTH ENGINES
  - PSC-2252-21-2 DUAL STATION
10. STEERING WHEELS AT F/B & P/H
  - S/S 24" DIA. \* 2 EAC
11. S/S EMERGENCY TILLER
12. S/S RUDDERS
13. HEAVY DUTY S/S WIPERS WITH VARIABLE SPEED CONTROLS & SCREEN WASHER SYSTEM
  - EXALTO 24V \* 3 SET
14. HYDRAULIC AMERICAN BOW/ STERN THRUSTER, STABILIZER
  - DUAL PROPELLER BOW & STERN THRUSTERS 12"-38HP WITH SUPPORTING HYDRAULIC SYSTEM AND "TRAC" STABILIZER SYSTEM 250/6.0' INCLUDING STANDARD EQUIPMENT AND ATTACHMENTS.

### IV. ENGINE ROOM & EQUIPMENT :

1. WELL PLANNED, SPACIOUS E/R WITH DIAMOND ALUMINIUM DECK PLATES

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2. VAN CAPPELLEN DESIGN SOUND INSULATED MATERIALS
3. WATER TIGHT BULKHEAD UP TO ENTRANCE DOOR
4. FULL LENGTH S/S OVERHEAD GRAB RAIL ON EACH SIDE OF ENGINE
5. E/R AC FLOURESCENT LIGHTS & DC DOME LIGHTS
6. ENGINE COMPARTMENT BLOWER & MOISTURE ELIMINATOR
  - DELTA "T" BLOWERS W/ADJUSTABLE SPEED DRIVE  
500-219183-45/8 FAN, AXIAL. 19 IN. ID ALUMINUM HOUSING, 1.5HP \* 2 SET  
500-215363-30/8 FAN, AXIAL. 15 IN. ID ALUMINUM HOUSING, 1.5HP \* 2 SET
7. SEA-FIRE FM200 AUTOMATIC FIRE EXTINGUISHING SYSTEM IN E/R AND FIRE DETECTING SYSTEM THROUGHTOUT THE BOAT
8. ENGINE ALARM SYSTEM FOR LOW OIL PRESSURE & HIGH WATER TEMPERATURE
9. HIGH VOLUME AC FRESH WATER PRESSURE PUMP & ONE DC PUMP FOR BACK UP
  - GROCO PSR-A 4000004-24 24V \* 1 EAC
  - HEADHUNTER M5-115 MACH 5 PRESSURE SYSTEM-115V AC WITH FILTER \* 1 EAC
10. FRESH WATER HOSE IN ENGINE ROOM
11. CHILLED WATER AIR CONDITIONING UNITS LOCATED IN ENGINE ROOM
  - CRUISAIR CHILLED WATER AIR CONDITIONING 230V/50HZ W/ DIGITAL CONTROL  
CBBL6C 6000BTU/HR \* 4 EAC  
CBBL9C 9000BTU/HR \* 3 EAC  
CBBL12C 12000 BTU/HR \* 4 EAC  
CBBL18C 18000 BTU/HR \* 4 EAC
12. ALUMINIUM FUEL TANKS WITH & ELECTRIC GUAGES
  - 3300 GAL FUEL TANK
13. WATER MAKER
  - SEA RECOVERY 1400 GPD OR "SPECTRA"  
1 SET SRC AWC1400-2 WATER MAKER, AQUA WHIPSER COMPACT  
220V/50HZ/1PH, 1400GPD COMPLETE PREFILTER, OIL/WATER SEPARATOR  
1 EAC B521080001 CARBON FILTER ASSEMBLY Y-AS  
1 EAC B611800002 SRC R/AW REMOTE UNIT INCLUDES 3 SWITCHES  
1 EAC SRC FWF/AW AUTOMATICALLY RINSES WITH FRESH WATER
14. OIL CHANGE PUMP SYSTEM FOR ENGINES, GENERATORS AND CLUTCHES
  - REVERSO OP-704 24V \* 1 EAC
15. HEAVY DUTY ENGINE ROOM DOOR
16. MANUAL BILGE PUMP
  - HENDERSON BP0510 UNIVERSAL MOUNT PUMP \* 1 EAC
17. FUEL TRANSFER PUMP
  - TUTHILL FR240C 1/4HP 24V W/807C METER \* 2 SET

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18. A SMALL WORK BENCH AND TOOLS BOX

### V. ELECTRICAL SYSTEM:

1. 220/110 VOLT & 24DC SYSTEM ELECTRICAL SUPPLY
2. SHORE POWER INLET
  - TRANSOM: (I ) GLENDENNING CABLEMASTERS CM-8 100AMP 24V W/100' CABLE \* 1 SET
  - (II) GLENDENNING CABLEMASTERS CM-7 50AMP 24V W/75' CABLE \* 1 SET
3. COLOR-CODED WIRING FOR EASY IDENTIFICATION
4. GENERATOR
  - NORTHERN LIGHTS 26KW \* 2 SET
  - M984W MARINE DIESEL GENERATOR SET 26 KW, HE COOLING,1 PHASE,50HZ,120/240 VOLT,INCLUDING STANDARD EQUIPMENTTS (S-3C CONTROL PANEL ) AND PLUS:
    - SOUND SHIELD
    - WET EXHAUST MUFFLER
    - GAS WATER SEPARATOR
5. AUTOMATIC BATTERY CHARGER
  - DOLPHIN 80 AMP 24V 115-230V 50/60HZ \* 2 EAC
  - DOLPHIN 30AMP 24V 115-230V 50/60HZ \* 1 EAC
6. GUEST BATTERY SWITCH (VAPOUR PROOF)
  - GUEST 2304A SELECT SWITCH \* 3 EAC
7. 225 AMP/HR GEL CELL SEALED BATTERIES FOR SERVICE
  - M.K. GEL BATTERY 8G8D 225 AMP \* 4 EAC
8. 225 AMP/HR GELL CELL SEALED BATTERIES FOR ENGINES & 2 X 225 AMP/HR BATTERY FOR GENSETS
  - M.K. GEL BATTERY 8G8D 225 AMP \* 6 EAC
9. ALL BATTERIES ENCLOSED IN BOXES & COVERED
10. MAIN ELECTRIC PANEL INCLUDES AC & DC CIRCUIT BREAKERS
11. 24 VOLT DC MONITORING AND MAIN CIRCUIT BREAKER PANEL
12. AC VOLT DUPLEX RECEPTACLES LOCATED THROUGHOUT, INCLUDING ENGINE ROOM
13. GFI PROTECTION FOR AC REQUIRED OUTLETS
  - VIMAR 16511.16.B 120V~60HZ/230~50HZ
14. ELECTROLOSIS BONDING SYSTEM VIA 2"

### VI. PLUMBING SYSTEM :

1. 150 GALLON HOLDING TANK WITH MACERATOR PUMP FWD & 50 GALLON TANK WITH MACERATOR AFT.

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2. "Y" VALVE FOR HOLDING TANK DOCK PUMP OUT
  - PAR 45490-000
3. HOLDING TANK LEVEL INDICATOR
  - HEADHUNTER TANK SENTRY WTS-1500B GAUGE \* 2 SET
4. SUMP PUMP
  - RULE 16A 24V/3700GPH \* 3 EAC
5. MARINE GRADE LINES FOR FRESH WATER SYSTEM
6. WATER HEATERS FOR GUESTS AND ONE FOR CREW
  - TORRID MV30S 120V 1500W S/S 30 GALLONS WITH HOT WATER CIRCULATING PUMP \* 2 EAC
7. 540 GAL S/S WATER TANKS
8. ELECTRIC BILGE PUMPS
  - RULE 16A 24V/3700GPH \* 7 EAC
9. AC FIRE PUMP WITH ON DECK FIRE HOSE
  - SINGLE PHASE 2HP
10. HIGH WATER BILGE ALARM
11. DOCKSIDE FRESH WATER INLET
  - PAR JABSCO 44410-1001 \* 1 EAC
12. COLOR CODED PIPING SYSTEM FOR EASY IDENTIFICATION
13. BILGE EXHAUST VENTILATION
14. BRONZE INTAKE VALVES (Ball). ALL THROUGH HULL FITTINGS ARE BRONZE
15. MANIFOLD OVERBOARD DISCHARGES TO MINIMISE NUMBER OF THROUGH HULL FITTINGS

## VII. INTERIOR EQUIPMENT (in accordance with agreed plan)

1. HIGH QUALITY LEATHER SOFAS
2. INTERLOCKING VINYL CEILING PANELS THROUGHOUT
3. HIGH QUALITY DOOR LOCK FURNITURE THROUGHOUT
4. ITALIAN HALOGEN CEILING LIGHTS THROUGHOUT
  - CANTALUPI
5. CHOICE OF FABRICS FOR BEDDING & CURTAINS
6. INDIRECT LIGHTING SYSTEM THROUGHOUT, UNDER SOFAS, BEDS & CURTAIN VALANCES
7. ALL STAIRWAYS HAVE SAFETY LIGHT SYSTEM
8. KING SIZE BED IN MASTER STATEROOM

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## DESCRIPTION OF ESSENTIAL EQUIPMENT AND FEATURES

9. TV CABINET IN EACH CABIN
10. HANGING LOCKER CABINET IN EACH CABIN
11. CD/RADIO ON FLYBRIDGE
12. STEREO'S & TVS IN EACH CABIN
  - SALOON: ( ) PLASMA TV TOSHIBA 42"  
( ) AMPLIFIER/TUNER  
( ) DVD PLAYER
  - MASTER CABIN: ( ) PLASMA TV TOSHIBA 42"  
( ) AMPLIFIER/TUNER  
( ) DVD PLAYER
  - FWD VIP: ( ) DVD/ AMPLIFIER/TUNNER  
(II) SHARP 15" LCD TV
  - STBD/PORT MID-SHIP CABIN: ( ) DVD/ AMPLIFIER/TUNNER  
(II) SHARP 15" LCD TV
  - CREW CABIN: ( ) DVD/ AMPLIFIER/TUNNER  
(II) SHARP 15" LCD TV
13. SAFE IN MASTER STATEROOM
14. ICE MAKER IN SALOON
  - U-LINE WH95TP 220V WHITE \*1 EAC
15. BUILT IN VACUUM CLEANING SYSTEM
  - NUTONE CV-357 CENTRAL VACUUM SYS. 220V W/5 OUTLET \* 1 SET
16. SALOON & MASTER CABIN POWER CURTAIN
17. SALOON BAR STOOL
  - ARITEX \* 2 EAC

### VIII. GALLEY :

1. STAINLESS STEEL SINK W/ TAP
2. FAMILY SIZE REFRIGERATOR
3. FULL SIZE ELECTRIC COOKTOP
4. MICROWAVE W/CONVECTION
5. DISHWASHER
6. TRASH COMPACTOR
7. GALLEY BENCH TOPS – MARBLE
8. OVEN W/MICROWAVE

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### 9. CREW GALLEY:

- WASHER
- DRYER
- COOKTOP
- DISHWASHER
- MICROWAVE W/CONVECTION
- ICE MAKER/REFRIGERATOR

## IX. HEADS :

1. MARBLE COUNTER TOP AND SPLASH BACKS IN ALL HEADS
2. SEAMLESS POLYURETHANE FINISH IN ALL HEADS
3. TOWEL RAIL & RINGS, TOOTHBRUSH HOLDER ETC IN ALL HEADS
4. FRESH WATER VACUUM TOILETS IN ALL HEADS
  - SEALAND MAGNUM OPUS VACUUM TOILETS
5. EXHAUST FANS IN EACH HEAD
6. MARBLE FLOORING
7. WASTE TREATMENT SYSTEM
  - HAMMAN SUPER MINI/SM 01027 24V \* 1 SET

## X. NAVIGATION & INSTRUMENTATION :

1. INTEGRATED INSTRUMENT PANEL AT BOTH HELM STATIONS
2. MONITORING SYSTEM FOR IMPORTANT SAFETY EQUIPMENT (bilge pumps, blowers, navigation lights)
3. COMPASS
  - DANFORTH 5" C580CA \* 2 EAC
4. INTERNATIONAL NAVIGATION LIGHTS
  - AQUA-SIGNAL ONE SET (5 EAC)
    - 3532-003 #55 MASTHEAD LIGHT 24V
    - 3535-103 #55 STARBOARD LIGHT 24V
    - 3534-203 #55 PORTLIGHT 24V
    - 3533-703 #55 STERN LIGHT 24V
    - 3531-703 #55 ALRD PED 24V
5. SEARCH LIGHT
  - PAR JABSCO 60010-2024 255SL 24V SINGLE STATION CNTROL KIT 24V \* 1 SET
6. DEPTH/SPEED LOG AT F/B STATIONS
  - AUTOHELM ST-60 TRIDATA
7. RUDDER INDICATOR AT F/B STATIONS
  - VDO 382-223 24V
8. ENGINE CONSOLE WITH ALL GUAGES

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## **DESCRIPTION OF ESSENTIAL EQUIPMENT AND FEATURES**

9. 64 MILE RADAR
  - FURUNO (NAVNET)
    - F/B: COLOR LCD RADAR/VIDEO PLOTTER GD-1934C
    - GD-1900C
    - GPS RECEIVING ANTENNA PLUS NETWORK SOUNDER ETR-6/10N & BACK UP GPS
10. SIMRAD AP25 AUTOPILOT
11. VHF RADIOS AT F/B STATIONS
  - ICOM M-602 12V WHITE W/8' ANTENNA & HAILER NEWMAR PA30/20 \* 2 SET
12. CCTV MONITORING SYSTEM
  - FWD. E/R AFT DECK & SWIMMING PLATFORM