

D02 — Equipment Library List (30–60m)

Source: YachtPMS_Equipment_Library_30-60m_v4_Ulmax6_with_UnitsAppendix.pdf

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Clean list of Equipment Types from the 30–60m library, grouped by section, including criticality and typical instance counts.

engineer-first YachtPMS MVP. > Fire detection & alarm

Equipment Type — Criticality — Typical Instances

Fire detection system (ER & vessel zones) — Safety/Statutory-Critical — Unlimited (sensors);

Engine room fixed firefighting system (CO2 / — Safety/Statutory-Critical — 1-2

Fire main pumps (main) — Safety/Statutory-Critical — 1-3

Emergency fire pump — Safety/Statutory-Critical — 0-1

Fire dampers / ventilation shutdowns — Safety/Statutory-Critical — 1-6

Quick closing valves (fuel) & remote shutoffs — Safety/Statutory-Critical — 1-6

engineer-first YachtPMS MVP. > Bilge, flooding & watertight integrity

Equipment Type — Criticality — Typical Instances

Bilge high level alarms (spaces) — Safety/Statutory-Critical — Unlimited (sensors)

Bilge pumps (ER/aux) — Safety/Statutory-Critical — 1-6

Emergency bilge suction / eductor — Safety/Statutory-Critical — 0-2

Watertight doors / shell doors interlocks (if — Safety/Statutory-Critical — 0-6

engineer-first YachtPMS MVP. > Electrical safety & emergency power

Equipment Type — Criticality — Typical Instances

Emergency generator — Safety/Statutory-Critical — 0-1

Emergency switchboard / emergency — Safety/Statutory-Critical — 1

UPS systems (bridge/IT/AV critical) — Safety/Statutory-Critical — 0-6

Battery banks - emergency lighting / safety — Safety/Statutory-Critical — 0-6

Life-saving & statutory serviceable items (tracked assets)

Equipment Type — Criticality — Typical Instances

Portable extinguishers (asset set) — Safety/Statutory-Critical — Unlimited

SCBA / BA sets — Safety/Statutory-Critical — 0-6

Gas detectors (portable/fixed) - calibration — Safety/Statutory-Critical — 0-6

Life-saving & statutory serviceable items (tracked assets)

> Propulsion

Equipment Type — Criticality — Typical Instances

Main engines (port/stbd/center) — Operational-Critical — 1-6

Gearboxes / reduction gears — Operational-Critical — 1-6

Shaft line / bearings / seals — Operational-Critical — 1-6

Propellers (FPP/CPP) & pitch system — Operational-Critical — 1-6

Life-saving & statutory serviceable items (tracked assets)

> Electrical generation & shore integration

Equipment Type — Criticality — Typical Instances

Diesel generators — Operational-Critical — 1-6

Main switchboard (MSB) & bus ties — Operational-Critical — 1

Shore power inlet/cabling/connection — Operational-Critical — 1

Power management system (electrical PMS) — Operational-Critical — 1

Frequency converter / transformer (if fitted) — Operational-Critical — 0-2

Shaft generator / PTO / PTI (if fitted) — Operational-Critical — 0-2

Life-saving & statutory serviceable items (tracked assets)

> Steering

Equipment Type — Criticality — Typical Instances

Steering gear hydraulic power unit(s) — Operational-Critical — 1-6

Rudder actuators / rams — Operational-Critical — 1-6

Emergency steering arrangement — Operational-Critical — 1

Life-saving & statutory serviceable items (tracked assets)

> Thrusters

Equipment Type — Criticality — Typical Instances

Bow thruster(s) — Operational-Critical — 0-6

Stern thruster(s) — Operational-Critical — 0-6

Thruster hydraulic power packs (if — Operational-Critical — 0-6

Life-saving & statutory serviceable items (tracked assets)

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Equipment Type — Criticality — Typical Instances

Fin stabilizers — Operational-Critical — 0-2

Gyro stabilizers — Operational-Critical — 0-6

Interceptors / trim tabs / ride control — Operational-Critical — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Fuel handling & conditioning

Equipment Type — Criticality — Typical Instances

Fuel tanks (storage/day) — Auxiliary — 1-6 (tanks);

Fuel transfer pumps — Auxiliary — 0-6

Fuel filters (duplex) — Auxiliary — 0-6

Fuel separators / purifiers / polishing — Auxiliary — 0-6

Fuel flow meters / totalizers (if fitted) — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Lubrication & used oil

Equipment Type — Criticality — Typical Instances

Lube oil tanks (storage / used oil) — Auxiliary — 0-6

LO transfer pumps — Auxiliary — 0-6

LO filters (engine & gens) — Auxiliary — 0-6

LO purifiers (if fitted) — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Cooling systems

Equipment Type — Criticality — Typical Instances

Seawater pumps (ME/DG/Chiller) — Auxiliary — 0-6

Sea strainers / sea chests — Auxiliary — 0-6

Heat exchangers / plate coolers — Auxiliary — 0-6

Central freshwater cooling (HT/LT loops) / — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Hydraulics

Equipment Type — Criticality — Typical Instances

Hydraulic power packs (general) — Auxiliary — 0-6

Hydraulic reservoirs / filters / coolers — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities >

Compressed air

Equipment Type — Criticality — Typical Instances

Air compressors — Auxiliary — 0-6

Air receivers / bottles — Auxiliary — 0-6

Air dryers — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Fresh water

Equipment Type — Criticality — Typical Instances

Watermakers (RO) — Auxiliary — 0-6

Fresh water tanks — Auxiliary — 1-6 (tanks);

Domestic pressure pumps (duty/standby) — Auxiliary — 0-6

Calorifiers / hot water heaters — Auxiliary — 0-6

Water filtration / UV / softener (if fitted) — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Waste & sanitation

Equipment Type — Criticality — Typical Instances

Sewage treatment plant (STP/MSD) — Auxiliary — 0-2

Black water tanks — Auxiliary — 1-6 (tanks);

Grey water tanks — Auxiliary — 1-6 (tanks);

Vacuum system (vacuum pumps/tanks) — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Bilge & oily water

Equipment Type — Criticality — Typical Instances

Bilge wells / sensors — Auxiliary — Unlimited

Sludge tank / waste oil tank — Auxiliary — 0-6

OWS / bilge separator (if fitted) — Auxiliary — 0-1

Incinerator (if fitted) — Auxiliary — 0-1

Auxiliaries - Fluids, Cooling, Air, and Utilities > Heating

Equipment Type — Criticality — Typical Instances

Boilers / thermal heaters — Auxiliary — 0-2

Auxiliaries - Fluids, Cooling, Air, and Utilities > Chilled water / air conditioning

Equipment Type — Criticality — Typical Instances

Chiller plant(s) — Auxiliary — 0-6

Chilled water circulation pumps — Auxiliary — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > Refrigeration

Equipment Type — Criticality — Typical Instances

Walk-in cold rooms (fridge/freezer) — Hotel Support — 0-6

Refrigeration condensing units / racks — Hotel Support — 0-6

Ice machine(s) — Hotel Support — 0-6

Auxiliaries - Fluids, Cooling, Air, and Utilities > YachtPMS Blueprint Reference - Equipment & Machinery Library (30-60m) - v3 Page 4

Equipment Type — Criticality — Typical Instances

Engine room supply/extract fans — Auxiliary — 0-6

Galley extraction system — Hotel Support — 0-6

Deck Machinery & Exterior Hydraulics > Anchoring & mooring

Equipment Type — Criticality — Typical Instances

Anchor windlass(es) — Operational-Critical — 1-6

Capstans — Operational-Critical — 0-6

Chain counters / chain wash — Auxiliary — 0-6

Deck Machinery & Exterior Hydraulics > Cranes, passerelles, platforms, doors

Equipment Type — Criticality — Typical Instances

Tender crane / davit — Operational-Critical — 0-6

Provision crane — Auxiliary — 0-6

Passerelle — Operational-Critical — 0-6

Swim platform / beach club platform — Operational-Critical — 0-6

Garage doors / shell doors / side boarding — Operational-Critical — 0-6

Deck Machinery & Exterior Hydraulics > Galley & laundry equipment

Equipment Type — Criticality — Typical Instances

Commercial dishwasher(s) — Hotel Support — 0-6

Washing machines / dryers — Hotel Support — 0-6

Garbage compactor / glass crusher (if fitted) — Hotel Support — 0-6

Deck Machinery & Exterior Hydraulics > Pools / spas / water features (if fitted)

Equipment Type — Criticality — Typical Instances

Pool/spa circulation pumps & filtration — Hotel Support — 0-6

Deck Machinery & Exterior Hydraulics > AV/IT assets (high-count)

Equipment Type — Criticality — Typical Instances

Network switches, routers, Wi-Fi APs — High-count (AV/IT) — Unlimited

VSAT/Starlink/Comms equipment — High-count (AV/IT) — Unlimited

AV rack equipment & endpoints (TVs, amps, — High-count (AV/IT) — Unlimited

Deck Machinery & Exterior Hydraulics > Technical space support

Equipment Type — Criticality — Typical Instances

Rack cooling / dedicated AC units — Auxiliary — 0-6

Deck Machinery & Exterior Hydraulics > Tenders & charging

Equipment Type — Criticality — Typical Instances

Tender engine(s) and systems (if managed) — Auxiliary — Unlimited

Dive compressor / air fill system (if fitted) — Auxiliary — 0-2

Charging stations (Seabob/Jet ski etc.) — Auxiliary — Unlimited