



Single pivot gravity davit – E-60

E-60 – Single pivot gravity davit ensures safe and efficient launching and retrieval of a Viking Norsafe conventional lifeboat. Designed for long time operation in a tough marine environment.

The davit system comprises of two davit arms, a davit structure and an electrically powered winch operating two wire falls. The winch is deck mounted.

The davit arm for lifeboats allows launching in the minimum time. The lifeboat is normally boarded in the stowed position.

When the operator releases the winch brake (this can be done either on deck or from within the lifeboat) the davit arms will swing out and the boat will be lowered to the water line in one continuous movement.

The system allows to achieve optimum performance in terms of safety and reliability, and minimal maintenance levels. The davit generates minimize noise and provides straightforward service access.

The winch is fitted with a one-way clutch. In the event of power loss, the brakes are automatically activated and davit motion is stopped. The brake controls the speed of descent for the lifeboat.

Conforms to the latest IMO/SOLAS requirements, LSA Code and European Council Directive 2014/90/EU on Marine Equipment (MED).



The system will allow:

- Launch of the lifeboat in maximum load condition;
- Gravity lowering of the loaded lifeboat independent of external power supply;
- Retrieval of lifeboat with a crew of three persons using electric power;
- Retrieval of the lifeboat by manual hand-cranking;



Specifications:

- Davit system weight incl. winch (dry weight) - 4800 kg (approx.);
- Safe working load - 6116 kg;
- Trim/list conditions - 10°/20°;
- Max. lowering height - 29 m (including 10°/20° trim/list condition);
- Operation temperature - from -20°C to +45°C;
- Hoisting speed - ~5 m/min for lifeboat version, ≥18m/min for rescue;
- Min. lowering speed (according to SOLAS regulation) - $(S = 0.4 + 0.02H)$;
- Manual hoisting - by manual hand-cranking;
- Pivot bearing type - bronze bearings;
- Wire sheaves - galvanized, equipped with ball bearings;
- Installation - nine deck welding points;

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