

## MARINE DIESEL GENERATING SETS

### 1. Outputs 30...250 kVA ( powered by SisuDiesel engines)

Type	50 Hz output		60 Hz output	
320 DGM	33.0 kVA/ 26.4 kW		38.7 kVA/ 30.9 kW	
320 DSGM	60.3	48.2	68.3	54.6
420 DSGM	85.9	68.7	97.3	77.9
620 DSGM	128	102	139	111
634 DSGM	152	122	163	130
634-1 DSJGM	175	140	193	154
634-2 DSJGM	198	158	221	177
645-1 DSJG	210	168	233	186
645-2 DSJGM	235	188	257	206

Outputs are valid for auxiliary gen. sets up to ambient temperature + 45 °C and sea water temperature + 32 °C. For emergency gen. sets outputs are abt. 5 % lower due to power loss for cooling fan.

Cooling system for auxiliary gen. set: sea water cooling (equipped with Heat Exchanger and Sea Water Pump).

Note 1: Available also (except 634-2 and 645-2) without H.E. and S.W.P (suited for keel cooling / box cooler).

Note 2: 645-1 is available merely without H.E. and S.W.P. (suited for keel cooling / box cooler).

Cooling system for emergency gen. set: gen. set mounted radiator with engine driven fan.

Aux. gen. set construction, dimensions, weight, equipment and parts delivered loose are acc. to drawings Nos. A69571, A69572, A68604-1, A68995, A69576 and A75264.

Electrical equipment of engine is cabled to a connection box (item 13).

Gauges for water temperature, oil pressure and run hours are mounted on the face of the box.

#### Options (pls specify in order):

1. Simple engine control panel acc. to specification No. 8304-E, mounted on the generating set.
2. More complete engine control panel, mounted on the generating set, acc. to spec. No. 8417-E:
  - selector switch Local - 0 - Remote
  - engine gauges
  - automatic alarms/shutdowns for parameters specified by Rules of Classification Societies
3. More complete equipment to meet Rules of Classification Societies for unmanned operation:
  - type approved sensors for parameters specified in Rules
  - double-walled injection pipes
  - duplex filters for fuel oil and lubrication oil
  - type approved cables and flexible pipes
4. Equipment for synchronizing and parallel operation:
  - Speed Remote Setting Motor for engine speed governor
  - Quadrature Droop Kit for generator voltage regulator.
5. Certificate of Classification Society
6. Tool Set for routine maintenance and small repairs
7. Spare Parts Set for 1200 run hours

### 2. Outputs 250...2000 kVA ( powered by Volvo, Scania, Cummins or other engines)

General technical construction and equipment: see item 1.

Appropriate engine maker and equipment can be fixed up with Customer.

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