

# MV Kommandor

Multi-role Survey Vessel



## Vessel details

<b>Name</b>	Kommandor
<b>Type</b>	Multi-role survey
<b>Year of build</b>	1986
<b>Reconfigured</b>	2011
<b>Classification</b>	Lloyd's Register 100A1   LMC   UMS
<b>Owner</b>	Gardline Shipping
<b>Flag</b>	UK
<b>Port of Registry</b>	Lowestoft
<b>ON</b>	922919
<b>IMO no / Call Sign</b>	8517205 / MCJO2
<b>MMSI Number</b>	232013164

### Dimensions

<b>Length overall</b>	68.5m
<b>Beam</b>	11.5m
<b>Draft</b>	4.1m
<b>GRT</b>	1,573
<b>NT</b>	471

### Accommodation

<b>Berths</b>	44 + hospital berth
<b>Facilities</b>	Laboratories, offices, mess, recreation / media room, gym

### Propulsion and machinery

<b>Main engine</b>	2x Cummins KTA19-D(M1) 2x Cummins KTA38-G3
<b>Generators</b>	3x Cummins VTA1710G/28G2
<b>Propulsion</b>	Twin Controllable Pitch Propellers
<b>Bow thruster</b>	2x Brunvoll 368kW tunnel thruster
<b>Stern thruster</b>	Brunvoll 450kW tunnel thruster
<b>Dynamic positioning</b>	Kongsberg SDP-21 (DP Class II)
<b>Transit speed</b>	8 knots
<b>Maximum speed</b>	12 knots

# Vessel details

## Capacities and endurance

<b>Fuel capacity</b>	281m <sup>3</sup>
<b>Consumption</b>	6.5m <sup>3</sup> / day (at maximum speed)
<b>Fresh water</b>	183m <sup>3</sup>
<b>Endurance</b>	28 days (nominal)

## Bridge equipment

<b>Radars</b>	2 x Furuno FAR series
<b>Autopilot</b>	Robertson AP9 MkIII
<b>Gyrocompass</b>	SG Brown Meridian
<b>Echosounder</b>	Furuno FE700
<b>Communications</b>	V-Sat KU Band Iridium Pilot Fleet 250 Emergency GMDSS Handhelds (A1-A3) Sat-C Telex Internal telephone exchange

## Deck area

<b>Cranes</b>	Hydramarine (5T SWL @ 15m)
<b>A-Frame</b>	10T SWL (Aft deck) 2T SWL (Port side)
<b>Moonpool</b>	4.2m x 4.0 fully enclosed with 10T SWL A-Frame above

## Safety equipment

<b>Rescue boat</b>	Zodiac 6-person RIB with outboard
<b>Life rafts</b>	6 x Viking 25DK+ (25 persons)
<b>Fire fighting</b>	Full complement of fire fighting equipment to meet or exceed SOLAS regulations

## Navigation

<b>Positioning systems</b>	Starfix HP / XP & Starpack (primary and secondary) Seapath 200 Kongsberg MRU5
<b>Underwater positioning</b>	Kongsberg HiPAP 500
<b>Survey computer</b>	Gardline Voyager5

# Vessel capabilities

## Hydrography

<b>Multi-beam</b>	Kongsberg EM710
<b>Single-beam</b>	Kongsberg EA400

## Geophysical

<b>Side scan sonar</b>	Edgetech 4200
<b>Sub-bottom profiler</b>	Hull mounted 16-element pinger GeoSource 200-400 sparker 10in <sup>3</sup> mini airgun EG&G sub & surface-tow boomers
<b>SV probe</b>	Valeport
<b>2DHR seismic</b>	4 x 40in <sup>3</sup> Texas Instruments sleeve gun cluster (optional dual cluster) Sercel Seal ALS digital streamer system (12.5m group, from 600m/48ch up to 1,500m/120ch) Optional 300m Sercel Seal UHR streamer (6.25m group/48ch SPW QC Optional ProMax QC & processing
<b>Depth controllers</b>	Ion 5010 / 5011 DigiBIRD
<b>Active tail buoy</b>	PartnerPlast Tail Buoy 800 Seatex 220 RGPS system

<b>UHR seismic option</b>	6in <sup>3</sup> or 10in <sup>3</sup> mini airgun 75m streamer (3.125m group/24ch)
<b>Seismic compressors</b>	2 x Hamworthy 4TH190W70 (170scfm)
<b>Magnetometer</b>	Geometrics G882
<b>ROV options</b>	SAAB Seaeye Cougar XT Neptune Explorer 06 work class

## Geotechnical

	Neptune CPT Vibrocorer Piston Corer
<b>Environmental</b>	Shipek / Day / van Veen / Mini Hamon grab samplers Box corer Water samplers Video and stills camera systems

All Gardline vessels meet or exceed international maritime guidance, Statutory Instruments and SOLAS requirements (including FSS code and IMO regulations) for Life Saving Appliances



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