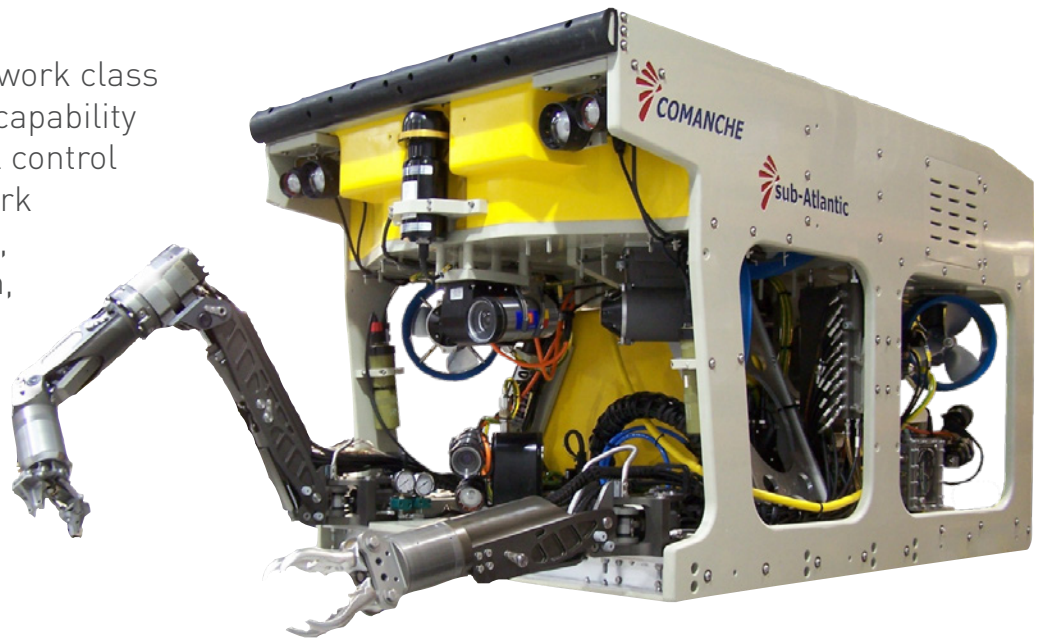


# Comanche

## Electric work class ROV

Our Comanche electric work class ROV delivers enhanced capability supported by a powerful control system, proportional work class manipulator arms, hydraulic tooling system, survey interfaces, and generous payload capacity.



### FEATURES

**Two 7-function work class manipulators**

**10,000 fsw / 3,000 msw depth rated**

**3,000 volt / 400 Hz power system**

# Comanche

## Electric work class ROV Specifications

### ROV General Specifications

Depth rating	10,000 fsw / 3,000 msw
Payload	410 lb / 185 kg (standard lead ballast)
Height	49.2 in / 125 cm
Length	82.7 in / 210 cm
Width	51.2 in / 130 cm
Mass in air (based on 410 lb /185 kg payload)	2,490 lb / 1,130 kg
<b>Maximum thrust @ 0 knots with no voltage loss</b>	
Forward	496 lbf / 225 kgf
Reverse	496 lbf / 225 kgf
Lateral	496 lbf / 225 kgf
Vertical	up to 496 lbf / 225 kgf
<b>Maximum velocity / Operational Current (zero tether excursion):</b>	
Forward	3.0 Kt / 1.5 m/s
Reverse	3.0 Kt / 1.5 m/s
Lateral	2.5 Kt / 1.25 m/s
Vertical	1.5 Kt / 0.75 m/s
Turning Rate	~120° per/sec
ROV Power Requirements	440 V AC 3ph 50/60 Hz 35 kVA
Thrusters	7 Total, 4 vectored horizontals and 3 verticals
Pan and Tilt Unit	1 x electric heavy duty
Tilt Unit	1 x electric heavy duty
Auxiliary Hydraulic System	5.3 hp / 4 kW
Valve Pack	12 station general function valve pack w/ optional 8 station
Manipulator 1	Orion 7-function / proportional control
Manipulator 2	Rigmaster 5-function rate control
Rov Control System	SubCan
Frame	Polypropylene with aluminum alloy central load frame

### Surface Equipment General Specification

<b>SCU</b>	
Height	14.0 in / 355 mm
Width	19.0 in / 483 mm
Depth	17.7 in / 450 mm
Mass	27 lb / 12 kg
Power Requirements	220/240 V AC 50/60 Hz 2 kVA
<b>HCU</b>	
Height	6.3 in / 160 mm
Width	18.9 in / 480 mm
Depth	9.1 in / 230 mm
Mass	3 lb / 1.5 kg
<b>TPU</b>	
Height	25.6 in / 650 mm
Width	24.8 in / 630 mm
Depth	19.9 in / 505 mm
Mass	~330 lb / ~50 kg
<b>Tether and Main Lift Cable Dimensions</b>	
Tether (standard)	1.0 in / 25.5 mm diameter
Main Lift Umbilical (standard 3000 Volt system)	1.0 in / 25.5 mm diameter