



**The ARVA ARA 0206 Marine Crane
4,400 lb. Capacity**

Effective Date: January 2003

The ARVA ARA 0206 is telescopic boom crane designed for the Maritime Coastal Defence Vessel (MCDV) Mechanical Minesweeping System (MMS)

technical data

dimensions

Design Criteria	22.5 degree roll, 10 degree pitch, with rated capacity plus 50% margin
Height	114-3/4" – boom horizontal, boom stowed
Width	Overall 30"
Weight	4,973 lbs.

capacity & reach

Capacity and Reach	4,400 lbs. @ 6.6' 4,400 lbs. @ 9.8' 2,200 lbs. @ 17.0'
Factor of Safety	4.5:1 structural 6:1 fasteners

boom

General	Reinforced to withstand side loading Cushion relief in boom lift cylinder
Operation	Full hydraulic, luffing and telescopic
Type	Fabricated box, 3 section telescopic
Elevation	Minus 41 degrees to plus 47 degrees
Length	110" to 214"
Tip Height	257"

power unit

Power Unit	10 H.P., 600VAC, 60 HZ, 3 PH electric motor with condensation heater.
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hoist

General	Hydraulic powered, driving through a planetary gear reduction with counter balance valve and failsafe hydraulic released spring applied to an internal disc drive
Line Pull	4,000 lbs. rated, limited to 2,500 lbs. pull
Hoist Speed	Bare: 5,380 lbs. @ 41fpm 3 rd . layer: 4,400 lbs. @ 54 fpm
Hoist Wire Rope	80' x 1/2" rotation resistance, galvanized, 27,000 lbs. breaking strength
Luffing Speed	19 sec. cycle (full down-full up)

hydraulic system

System	3,000 psi pressure, fixed volume pump
Reservoir	58 litres with 115 V heater

swing

Drive	Hydraulic motor driven, self locking worm reduction with manual operation in case of power loss
Speed	0 to 1.0 rpm
Rotation	400 degree limited

pedestal

Diameter	21"
Height	54"

controls

Controls	Crane mounted console, 4-section directional valve, manually operated start/stop motor control
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price and terms

Price	CALL
Terms	Subject to milestone progress payments

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Constant improvement and engineering progress make it necessary for ARVA to reserve the right to make specifications, equipment, and price changes without notice.

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