

EC 50

The medium duty double taper box boom


sparrows

- Max On-board Load 47.5 US tons (43 tonnes)
- Boom lengths from 40-80ft (12.2-24.4m)
- Designed/Manufactured under API 2C



API 2C-0072




sparrows
MANUFACTURING

EC 50

The medium duty double taper box boom



Energy Cranes EC50 is a proven machine developed from the popular Titan T20B.

Designed to withstand arduous service on substantial manned offshore installations and drilling rigs, in a typical 60ft (18.3m) boom configuration, the EC50 delivers 25 US tons (22.8 tonnes) on-board and 16.7 US tons (15.1 tonnes) off-board load capability at 20ft radius.

Designed and manufactured under API 2C-6th edition, the EC50 can be configured to optimize the on-board and off-board capacity by utilizing the established methods within API 2C.

Rotating Structure

The reinforced base plate, to which the bearing, gearbox, and luffing cylinders are bolted, virtually eliminates shock-load and, in consequence, extends bearing life. The symmetrical superstructure avoids localised stress. Continuous 360° swing control is delivered through two heavy duty hydraulic planetary drives, with static and dynamic brakes, mounted to the ball ring so as to facilitate ease of inspection/maintenance of all retaining bolts.



Boom & Load Control

Box Booms are available from 40-80 ft (12.2-24.4m) in length. A jib extension accommodates the auxiliary hoist line/sheave. Boom luffing cylinders equipped with counter-balance valves are utilized to control the boom position. Main and auxiliary hoist control comes

from hydraulic planetary hoists equipped with counter-balance valves for power load-lowering. Automatic spring-applied hydraulic release brakes and ratchet/pawls are fitted. Safety kick-outs such as Anti-2-Block are standard.

Operator's Cab

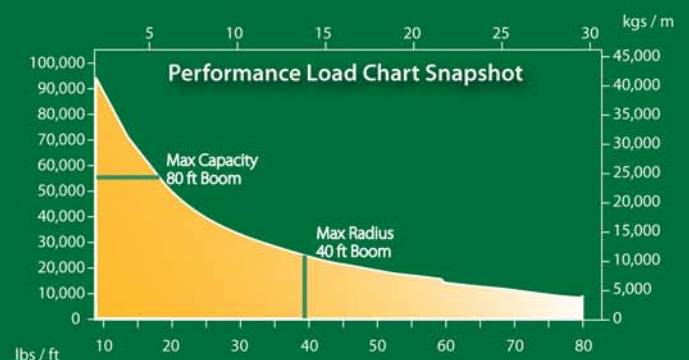
The 'full vision' cab is fully enclosed and fitted with shatter-resistant glass.

Hydraulic controls have dead-man failsafe and there are pressure gauges for each pump. The cab control panel includes prime mover controls/gauges.



Options

- Power Units
- Load Indicator Systems
- Electrical Equipment
- Load Hoists
- Whip Extension/Hoist
- Rigging
- Pedestal Adapters
- Hydraulic Systems
- Cold Weather Materials



Sparrows Manufacturing

Headquarters: 10235 West Little York, Suite 100, Houston, Texas 77040, USA Tel: +1 832 467 7300 Fax: +1 832 467 7390

Crane Manufacturing: Northwinds Operations Center, 6707 Northwinds Drive, Houston, Texas 77041, USA Tel: +1 713 896 0002 Fax +1 713 896 5130

International operations: Brazil, Nigeria, Angola, UK, Netherlands, Azerbaijan, Abu Dhabi, Singapore, Indonesia, Australia

www.sparrowsgroup.com

