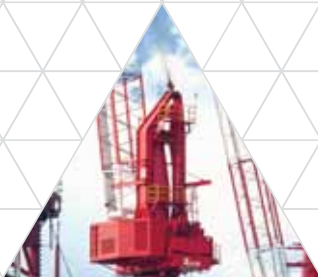
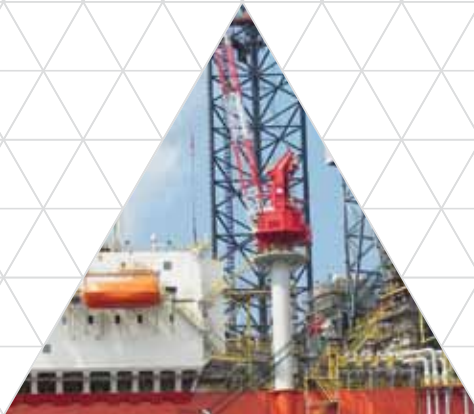


 **SEA HERCULES**



PEDESTAL CRANES
DESIGNED FOR
FIXED PLATFORMS
AND FLOATERS



CUSTOMISED TO MEET CLIENT'S REQUIREMENTS



MODEL SH1000S

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Diesel Engine Driven
- Ambient Temp Structure – Minus 10° C
- Ambient Temp Operating – 0° C (no ice or snow formation) to 45° C



MODEL SH2000S

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Diesel Engine Driven
- Ambient Temp Structure – Minus 10° C
- Ambient Temp Operating – 0° C (no ice or snow formation) to 45° C



MODEL SH2000

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Diesel Engine Driven
- Ambient Temp Structure – Minus 10° C
- Ambient Temp Operating – 0° C (no ice or snow formation) to 45° C

THE SH CRANES ARE DESIGNED, CONSTRUCTED AND CERTIFIED IN COMPLIANCE WITH THE FOLLOWING REGULATIONS:

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
Sixth Edition March 2004
Dynamic Co-efficient Cb = 2.0

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
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Dynamic Co-efficient Cb = 2.0

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
Sixth Edition March 2004
Dynamic Co-efficient Cb = 2.0

| | |
|------------------------|---|
| Type | Diesel Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Boom Length | 24 Meter |
| Rated Load | Main Hoist – 22.68 Metric Ton at 6.0 meters radius 9.0 Metric Ton at 25.31 meters radius Aux.Hoist – 5.00 Metric Ton at all radii |
| Prime Mover | Diesel Engine – Cummins Model 6 CTA 8.3 DM Rated 270HP at 1800 RPM |

| | |
|------------------------|---|
| Type | Diesel Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Boom Length | 36 Meter |
| Rated Load | Main Hoist – 38.80 Metric Ton at 7.50 meters radius 10.00 Metric Ton at 38.47 meters radius Aux.Hoist – 10.00 Metric Ton at all radii |
| Prime Mover | Diesel Engine – Cummins Model KTA19-D(M1) Rated 650HP at 1800 RPM |

| | |
|------------------------|--|
| Type | Diesel Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Boom Length | 30 Meter |
| Rated Load | Main Hoist – 47.2 Metric Ton at 7.50 meters radius 19.77 Metric Ton at 32.67 meters radius Aux.Hoist – 10.00 Metric Ton at all radii |
| Prime Mover | Diesel Engine – Cummins Model KTA19-D(M1) Rated 650HP at 1800 RPM |



MODEL
SH2000

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Driven by Electric Motor
- Ambient Temp Structure – Minus 10° C
- Ambient Temp Operating – 0° C (no ice or snow formation) to 45° C



MODEL
S07525

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Diesel Engine Driven
- Ambient Temp Structure – Minus 20° C
- Ambient Temp Operating – 10° C to 50° C



MODEL
SH2000SE

CRANE SPECIFICATION

- Kingpost Offshore Pedestal Crane
- Diesel Engine Driven
- Ambient Temp Structure – Minus 10° C
- Ambient Temp Operating – 0° C (no ice or snow formation) to 45° C

THE SH CRANES ARE DESIGNED, CONSTRUCTED AND CERTIFIED IN COMPLIANCE WITH THE FOLLOWING REGULATIONS:

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
Sixth Edition March 2004
Dynamic Co-efficient Cb = 2.0

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
Sixth Edition March 2004
Dynamic Co-efficient Cb = 2.0

American Bureau Of Shipping

- Guide for Certification of cranes, 2007

American Petroleum Institute

- API Specification 2C
Specification for Offshore Cranes
Seventh Edition March 2012
With General Method

DNV

- DNV Lifting Appliances 2008

| | |
|------------------------|--|
| Type | Electro Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Boom Length | 36 Meter |
| Rated Load | Main Hoist – 47.2 Metric Ton at 7.50 meters radius 13.65 Metric Ton at 38.67 meters radius Aux.Hoist – 10.00 Metric Ton at all radii |
| Prime Mover | Electric Motor – Baldor Rated 550HP at 1790 RPM |

| | |
|------------------------|---|
| Type | Diesel Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Prime Mover | Diesel Engine with 1500HP |

| Boom Length: 30 Meters | | |
|------------------------|------------------|--------------------------|
| Hoist | Radius in Meters | Rated Load in Metric Ton |
| Main Hoist | 5.71 | 75.00 |
| | 33.40 | 30.45 |
| Aux Hoist | All Radius | 12.00 |

| Boom Length: 36 Meters | | |
|------------------------|------------------|--------------------------|
| Hoist | Radius in Meters | Rated Load in Metric Ton |
| Main Hoist | 6.49 | 75.00 |
| | 39.40 | 29.22 |
| Aux Hoist | All Radius | 12.00 |

| Boom Length: 42 Meters | | |
|------------------------|------------------|--------------------------|
| Hoist | Radius in Meters | Rated Load in Metric Ton |
| Main Hoist | 7.00 | 75.00 |
| | 45.40 | 24.92 |
| Aux Hoist | All Radius | 12.00 |

| | |
|------------------------|--|
| Type | Diesel Hydraulic 360° Swing Lattice Boom |
| Classified Area | Safe Area |
| Boom Length | 36 Meter |
| Rated Load | Main Hoist – 55 Metric Ton at 7.50 meters radius 13.87 Metric Ton at 38.90 meters radius Aux.Hoist – 11.00 Metric Ton at all radii |
| Prime Mover | Diesel Engine – Cummins Model KTA19-D(M1) Rated 650HP at 1800 RPM Optional – Caterpillar Model C18 Rated 670HP at 1800 RPM |

SH2000 CRANE – 30MTR BOOM

LOAD CHART

| Radius | | Onboard | | Offboard | | Parts of lines |
|-------------------------------|--------|---------|--------|----------|-------|----------------|
| MTRS | FT | M. TONS | LBS | M. TONS | LBS | |
| MAIN HOIST RATING | | | | | | |
| 7.50 | 24.61 | 47.200 | 104076 | 31.467 | 69384 | 4 PARTS LINE |
| 9.00 | 29.53 | 47.200 | 104076 | 31.467 | 69384 | |
| 10.50 | 34.45 | 47.200 | 104076 | 31.467 | 69384 | |
| 12.00 | 39.37 | 47.200 | 104076 | 31.467 | 69384 | |
| 13.50 | 44.29 | 47.200 | 104076 | 31.467 | 69384 | |
| 15.00 | 49.21 | 47.200 | 104076 | 31.467 | 69384 | |
| 16.50 | 54.13 | 47.200 | 104076 | 31.467 | 69384 | |
| 18.00 | 59.05 | 43.270 | 95410 | 28.847 | 63607 | |
| 19.50 | 63.98 | 39.483 | 87060 | 26.322 | 58040 | |
| 21.00 | 68.90 | 36.281 | 80000 | 24.187 | 53333 | |
| 22.50 | 73.82 | 33.542 | 73960 | 22.361 | 49307 | |
| 24.00 | 78.74 | 31.170 | 68730 | 20.78 | 45820 | |
| 25.50 | 83.66 | 29.098 | 64160 | 19.398 | 42773 | |
| 27.00 | 88.58 | 26.848 | 59200 | 17.899 | 39467 | |
| 28.50 | 93.50 | 24.735 | 54540 | 16.49 | 36360 | |
| 30.00 | 98.42 | 22.844 | 50370 | 15.229 | 33580 | |
| 31.50 | 103.35 | 21.129 | 46590 | 14.086 | 31060 | |
| 32.67 | 107.18 | 19.733 | 43600 | 13.182 | 29066 | |
| AUXILIARY HOIST RATING | | | | | | |
| ALL RADII | | 10.000 | 22050 | 6.666 | 14700 | ONE (1) PART |

All Radii shown are measured from crane centre line of rotation.

Weight of Hook Block, slings and other lifting gear must be subtracted from these capacities to determine NET capacity.

Diameter of Stationary Pedestal

66 Inch x 1 $\frac{3}{4}$ ~ 1" Thick

SH PEDESTAL CRANES

ARE DESIGNED TO FACILITATE YOUR WORKS WITH MINIMAL EFFORT.

Rotating System

The rotating structure is mounted on an upper thrust bearing and an upper and lower radial bearing. As the basic overturning moments created by the crane load are induced into a rigid, non-rotating tubular column with no moving parts, the possibility of crane damage or operator injury due to swing bearing failure is virtually eliminated.

Hydraulic System

The hydraulic system is of open loop design, simple and easy to maintain. Cleanliness of the system is maintained by high suction line filter and return line filters. Main hoist, auxiliary hoist and boom luffing use common variable displacement axial piston pumps. The swing and cooler fixed displacement use a gear pump. The main, auxiliary, boom luffing and swing each uses a hydraulic piloted proportional directional control valve to supply hydraulic flow to the radial piston hub drive type. All valves are located in the motor/engine canopy for protection and easy accessibility.

Controls

The crane functions are controlled by direct mechanical linkage between levers and control valves. The valves are spring-centered, deadman type and have a metering type spool which allows infinite variable control of each function independent of engine RPM.

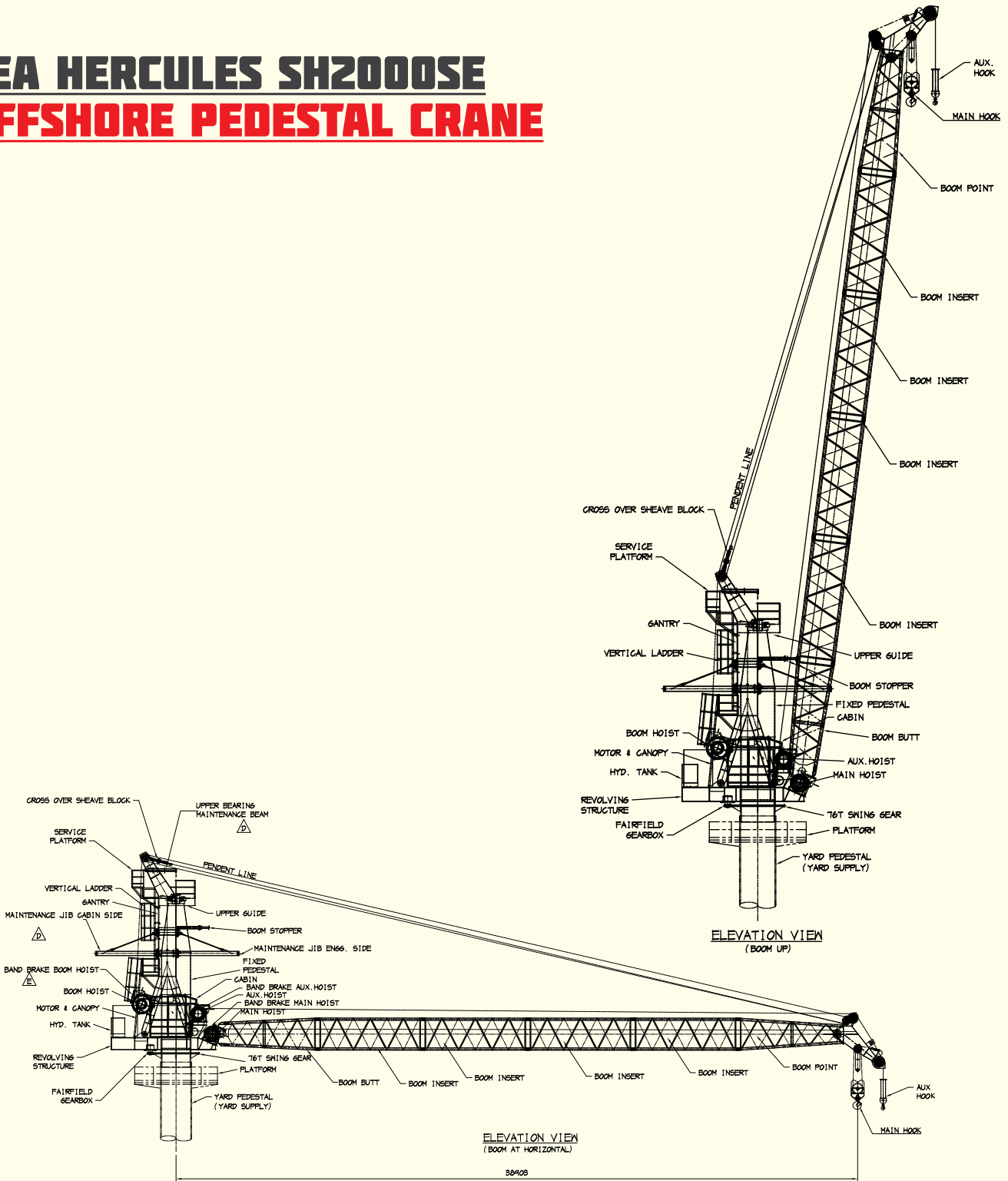
Winches

The main hoist, auxiliary hoist and boom hoist winches are self-contained units equipped with power load lowering counter-balance valve and an automatic load holding brake. The boom hoist is equipped with a drum-locking pawl. All moving parts of the winch, except drum barrels, are sealed and running in oil.

Main and auxiliary drums are located on the revolving structure. This arrangement has two distinct advantages. The operator has an unobstructed view of the drums, thus allowing the operator to ensure that the drums are spooling properly. It is also easy for maintenance, as there are no obstacles or constrain in accessing them.

For protection against ocean environment, exposed surfaces are sandblasted and coated with zinc primer, epoxy, corrosion and weather polyurethane. All welded joints are 100% seal welded. All sheave cluster shafts and connection pins are stainless steel.

SEA HERCULES SH2000SE OFFSHORE PEDESTAL CRANE



Sea Deep Shipyard Pte Ltd
 No. 6, Pioneer Sector One
 Singapore 628418
 Tel: (+65) 6861 3255
 Fax: (+65) 6861 2516
 Email: marketing@seadeep.com.sg

www.seadeep.com.sg



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 Baker Technology Limited