

60-22-2008
Seatrax Crane Data Sheet
 (In Compliance with API Specification 2C, 4th Edition, 2003)

ONBOARD (DECK) LIFTS

Seatrax Series 90 Model S9032 160 Foot Boom

Significant Wave Height = 3.3 feet

Windspeed = 40 knots

Semi Submersible

API-General Method

Serial or Quotation Number: 4548

Project Identification: ENSCO 8161

Working Radius (feet)	2 Part Main Hoist SWL (Lbs)	4 Part Line Main Hoist SWL (Lbs)	6 Part Main Hoist SWL (Lbs)	Single Line Aux Hoist SWL (Lbs)
30	61800c	128600c	195400c	30800c
40	61800c	128600c	195400c	30800c
50	61800c	128600c	195400c	30800c
60	61800c	128600c	195400c	30800c
70	61800c	128600c	176514b	30800c
80	61800c	128600c	153762b	30800c
90	61800c	128600c	135755b	30800c
100	61800c	121123b	121123b	30800c
110	61800c	109017b	109017b	30800c
120	61800c	98849b	98849b	30800c
130	61800c	90173b	90173b	30800c
140	61800c	82723b	82723b	30800c
150	61800c	76273b	76273b	30800c
160	61800c	70675b	70675b	30800c
167	61800c	65591c	65591c	30800c

- (1) Working radius is measured from the main hook to centerline of rotation
 (2) SWL lower suffixes indicate load limiting factor per API 2C, 4.1.5 (a) thru (d)
 (3) Rated loads are NET loads. Main Hook & Aux. Hoist weights have been deducted.
 (4) The Specified Boom Tip Velocity limited by Foundation Motion is 2.56-402
 (5) The Specified Lateral Acceleration limited by Foundation Motion is 1.07g
 (6) The Specified Vertical Acceleration limited by Foundation Motion is 1.4 dg
 (7) The Specified Additional Side-Drift Angle (LWR) from Foundation Motion is 3.3 dg
 (8) The Specified Additional Drifted Angle (LWR) from Foundation Motion is 3.3 dg
 (9) Main drum cable is 1.125 dia. Class III, 139 kips. wire strength, 1910 feet long
 (10) Aux. drum cable is 1.125 dia. Class III, 139 kips. wire strength, 500 feet long
 (11) The specified hook weight for this machine is 244 lbs.
 (12) The Minimum Permitted Rated Load at any Working Radius is 10248 lbs.

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05-22-2008

Seatrac Crane Data Sheet
(In Compliance with API Specification 2C, 6th Edition, 2004)

OFFBOARD (SUPPLY BOAT) LIFTS

Seatrac Series 90 Model S9032 160 Foot Boom

Significant Wave Height = 3.3 feet

Semi Submersible

Serial or Quotation Number: 4540

Windspeed = 40 knots

API General Method

Project Identification: ENSCO 8581

Working Radius (feet)	2 Part Main Hoist SWL (Lbs)	4 Part Line Main Hoist SWL (Lbs)	6 Part Main Hoist SWL (Lbs)	Single Line Aux Hoist SWL (Lbs)
30	61800c	128600c	193179a	30800c
40	61800c	128600c	195400c	30800c
50	61800c	128600c	195400c	30800c
60	61800c	128600c	181024b	30800c
70	61800c	128600c	157638b	30800c
80	61800c	128600c	139170b	30800c
90	61800c	128600c	124232b	30800c
100	61800c	111869b	111869b	30800c
110	61800c	101515b	101521b	30800c
120	61800c	92377b	92722b	30800c
130	61800c	84785b	85205b	30800c
140	61800c	78480b	78728b	30800c
150	61800c	73178b	73178b	30800c
160	61800c	68644b	68644b	30800c
167	61800c	62927a	62927a	30800c

- (1) Working radius is measured from the main hook to centerline of rotation.
 (2) SWL lower values indicate load limiting factor per API 2C, 4.1.1 (a) thru (d).
 (3) Rated loads are NET loads. Main Block & Aux. Ball weights have been deducted.
 (4) The Specified Boom Top Velocity caused by Foundation Motions is 2.7 ft/sec.
 (5) The Specified Lateral Acceleration caused by Foundation Motions is 2.40-002.
 (6) The Specified Vertical Acceleration caused by Foundation Motions is 1.5 ft/sec.
 (7) The Specified Additional Sidehead Angle (List) from Foundation Motions is 1.5 deg.
 (8) The Specified Additional Offload Angle (List) from Foundation Motions is 1.5 deg.
 (9) Main drum cable is 2.321 dia. Class BCC, 607,100' length, 1930 feet long.
 (10) The Specified Maximum Retract Rate is 288 feet/min.
 (11) The Specified Retract Rate is 288 feet/min.

MADE AVAILABLE THROUGH

OFFSHORE CRANE.COM

03-22-2008

Seatrax Crane Data Sheet

(In Compliance with API Specification 2C, 6th Edition, 2004)

OFFBOARD (SUPPLY BOAT) LIFTS

Seatrax Series 90 Model S9032 160 Foot Boom

Significant Wave Height = 3.3 feet

Semi Submersible

Serial or Quotation Number: 4540

Windspeed = 40 knots

API General Method
Project Identification: ENSCO 8501

Working Radius (feet)	2 Part Main Hoist SWL (Lbs)	4 Part Line Main Hoist SWL (Lbs)	6 Part Main Hoist SWL (Lbs)	Single Line Aux Hoist SWL (Lbs)
30	61800c	128600c	193179a	30800c
40	61800c	128600c	195400c	30800c
50	61800c	128600c	195400c	30800c
60	61800c	128600c	181024b	30800c
70	61800c	128600c	157638b	30800c
80	61800c	128600c	139170b	30800c
90	61800c	124232b	124232b	30800c
100	61800c	111869b	111869b	30800c
110	61800c	101515b	101521b	30800c
120	61800c	92377b	92722b	30800c
130	61800c	84785b	85205b	30800c
140	61800c	78480b	78728b	30800c
150	61800c	73178b	73178b	30800c
160	61800c	68644b	68644b	30800c
167	61800c	62927Is	62927Is	30800c

- (1) Working radius is measured from the main hook to centerline of rotation
 (2) SWL letter suffixes indicate load limiting factor per API 2C, 4.1.1 (a) thru (i)
 (3) Rated loads are NET loads. Main Block & Aux. Ball weights have been deducted
 (4) The Specified Boom Tip Velocity caused by Foundation Motions is 27 ft./sec.
 (5) The Specified Lateral Acceleration caused by Foundation Motions is 1.8g
 (6) The Specified Vertical Acceleration caused by Foundation Motions is 1.8g
 (7) The Specified Additional Sideload Angle (List) from Foundation Motions is 1.5 deg.
 (8) The Specified Additional Offload Angle (Trim) from Foundation Motions is 1.5 deg.
 (9) Main drum cable is 1,125 lbs. Class B6, 167 kips. nom strength, 1910 feet long.
 (10) Aux. drum cable is 1,125 lbs. Class C4, 158 kips. nom strength, 940 feet long.
 (11) Rated Crane & Rig Working Radius is 10266 ft.

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05-22-2008

Seatrax Crane Data Sheet

(In Compliance with API Specification 2C, 61, 601 (rev. 2004))

ONBOARD (DECK) LIFTS

Seatrax Series 90 Model S9032 160 Foot Boom

Significant Wave Height = 3.3 feet

Windspeed = 40 knots

Semi Submersible

API General Method

Serial or Quotation Number: 4549

Project Identification: ENSCO 8501

Working Radius (feet)	2 Part Main Hoist SWL (Lbs)	4 Part Line Main Hoist SWL (Lbs)	6 Part Main Hoist SWL (Lbs)	Single Line Aux Hoist SWL (Lbs)
30	61800c	128600c	195400c	30800c
40	61800c	128600c	195400c	30800c
50	61800c	128600c	195400c	30800c
60	61800c	128600c	195400c	30800c
70	61800c	128600c	176514b	30800c
80	61800c	128600c	153762b	30800c
90	61800c	128600c	135755b	30800c
100	61800c	121123b	121123b	30800c
110	61800c	109017b	109017b	30800c
120	61800c	98849b	98849b	30800c
130	61800c	90173b	90173b	30800c
140	61800c	82723b	82723b	30800c
150	61800c	76271b	76271b	30800c
160	61800c	70675b	70675b	30800c
167	61800c	65591c	65591c	30800c

- (1) Working radius is measured from the main hook to centerline of rotation.
 (2) SWL letter suffixes indicate load limiting factor per API 2C, 4.1.1 (a) thru (c).
 (3) Rated loads are NET loads. Main Block & Aux. Block weights have been deducted.
 (4) The Specified Boom Tip Velocity caused by Foundation Motions is 2.91-002.
 (5) The Specified Lateral Acceleration caused by Foundation Motions is 1.0/g.
 (6) The Specified Vertical Acceleration caused by Foundation Motions is 1.3 dg.
 (7) The Specified Additional Submerge Angle (From) from Foundation Motions is 3.3 deg.
 (8) The Specified Additional Offload Angle (From) from Foundation Motions is 3.3 deg.
 (9) The Specified Additional Offload Angle (To) from Foundation Motions is 3.3 deg.
 (10) The Specified Additional Offload Angle (To) from Foundation Motions is 3.3 deg.
 (11) Main drum cable is 1.125 dia. Class BIL, 125 ksq. inch strength, 100 feet long.
 (12) Main drum cable is 1.125 dia. Class BIL, 125 ksq. inch strength, 258 feet long.
 (13) The Specified Additional Offload Angle (From) from Foundation Motions is 1024 deg.

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LOWERING PROCEDURE BENEATH LOAD CHARTS

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