P.O. Box 840687, Houston, Texas 77284
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01-24-2008

Seatrax Inc.

P.O. Box 840687 Houston, Texas 77284
Telephone (713) 896-6500
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Seatrax Crane Data Sheet

Developed for Installation on a

Drillship
API General Method
Significant Wave Height = 1 meters

In Compliance with

API Specification 2C, 6th Edition 2004

METRIC UNITS
Seatrax Series 72 Model S7226
30 Meter Boom With Walkways

Prepared For

Forum Services

Equipment Energy Resources Inc.
Peregrine I Forward Crane Replacement
Kingpost Marine Cranes
Seatrax Quotation No. 712102A

Significant Wave Height = 1 meters

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Seatrax Crane Data Sheet-Metric Units

Seatrax Series 72 Model S7226
30 Meter Boom With Walkways

Serial or Quotation Number: 712102A
Project Identification: 712102A

GENERAL CRANE DIMENSIONS

Vertical Dim Heel Pin to Gantry Sheave 'H' (meters)	14.63
Horizontal Dim CL Rot to Heel Pin 'E' (meters)	1.82
Horizontal Dim CL Rot to Gantry Sheave 'D' (meters)	1.98
Horizontal Dim CL Rot to CG of Crane & Post 'U' (meters)	0.48
Outside Diameter of Kingpost 'OD' (mm)	1829
Wall Thickness of Kingpost 'T' (mm)	41
Yield Strength of Kingpost 'YP' (N/mm^2)	345
Vertical Dim Lower Brg to Upper Brg 'GB' (meters)	10.66

COMPONENT STATIC WEIGHTS (Tonnes)

Complete Crane with Boom (Tonnes)	81.1
Block(s) (Tonnes)	2
Total Dead Weight (Tonnes)	82.9

WIRE ROPE COMPONENT DATA

Length of the Aux. Hoist Cable (meters)	98
Diameter of Aux. Hoist Cable (mm)	28
Aux. Hoist Cable Construction	Class CH
Minimum Breaking Strength of Aux. Cable (tonnes)	72
Length of Main Hoist Cable (meters)	266
Diameter of Main Hoist Cable (mm)	32
Main Hoist Cable Construction	Class CH
Min. Breaking Strength of Main Hoist Cable (tonnes)	89
Diameter of Boom Hoist Cable (mm)	22
Boom Hoist Cable Construction	Class BL
Min. Breaking Strength of Boom Hoist Cable (tonnes)	44
Number of Boom Suspension Parts of Line 'NB'	10

PROPERTIES OF BOOM SECTION

Boom Chord Square Tube Size (mm)	152
Height Between Chord Centers (mm)	1676
Width Between Chord Centers (mm)	2134

HOIST SELECTIONS

Auxiliary Hoist Model Number	463-EJA
Main Hoist Model Number	763-HJC

This crane complies with all applicable requirements of
API Specification 2C, 6th Edition 2004

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Seatrax Crane Data Sheet-Metric Units

In Compliance with

API Specification 2C, 6th Edition, 2004

Serial or Quotation Number: 712102A
Project Identification: 712102A

Seatrax Series 72 Model S7226
30 Meter Boom With Walkways

Calculated for Installation on a

Drillship

API General Method

Onboard Lifts

Significant Wave Height = 1 meters

Windspeed = 11 m/sec

Notes:

(1) Working radius is measured from the main hook to centerline of rotation
(2) SWL letter suffiixes 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 N/A.
(5) The Specified Lateral Acceleration caused by Foundation Motions is 3.7E-002
(6) The Specified Vertical Acceleration caused by Foundation Motions is 1.07g.
(7) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1 deg.
(8) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.
(9) Main drum cable is 32 dia. Class CH, 88 te. nom strength, 265 m. long.
(10) Aux. drum cable is 29 dia. Class CH, 72 te. nom strength, 98 m. long.
(11) The specified hook travel for this machine is 55 m.
(12) The Minimum Personnel Rated Load at any Working Radius is 4652 kgs.

Safe Working Load Chart

Onboard Lifts

Working Radius (meters)	2 Part Main Hoist SWL (Kgs)	4 Part Line Main Hoist SWL (Kgs)	6 Part Main Hoist SWL (Kgs)	Single Line Aux Hoist SWL (Kgs)
7	27473d	55189d	N/A	13957d
9	27473d	55189d	N/A	13957d
11	27473d	55189d	N/A	13957d
13	27473d	55189d	N/A	13957d
15	27473d	55189d	N/A	13957d
17	27473d	53886b	N/A	13957d
19	27473d	48328b	N/A	13957d
21	27473d	43740b	N/A	13957d
23	27473d	39901b	N/A	13957d
25	27473d	36638b	N/A	13957d
27	27473d	33851b	N/A	13957d
29	27473d	31449b	N/A	13957d
32	25861e	25861e	N/A	13957d

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Seatrax Crane Data Sheet-Metric Units

In Compliance with

API Specification 2C, 6th Edition, 2004

Serial or Quotation Number: 712102A

Project Identification: 712102A

Seatrax Series 72 Model S7226
30 Meter Boom With Walkways

Calculated for Installation on a

Drillship

API General Method

Offboard (Supply Boat)

Significant Wave Height = 1 meters

Windspeed = 11 m/sec

Notes:

(1) Working radius is measured from the main hook to centerline of rotation
(2) SWL letter suffiixes 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 .16 m/sec.
(5) The Specified Lateral Acceleration caused by Foundation Motions is 3.7E-002
(6) The Specified Vertical Acceleration caused by Foundation Motions is 1.07g.
(7) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1 deg.
(8) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.
(9) Main drum cable is 32 dia. Class CH, 88 te. nom strength, 265 m. long.
(10) Aux. drum cable is 29 dia. Class CH, 72 te. nom strength, 98 m. long.
(11) The specified hook travel for this machine is 55 m.
(12) The Minimum Personnel Rated Load at any Working Radius is 4555 kgs.

Safe Working Load Chart

Offboard (Supply Boat)

Working Radius (meters)	2 Part Main Hoist SWL (Kgs)	4 Part Line Main Hoist SWL (Kgs)	6 Part Main Hoist SWL (Kgs)	Single Line Aux Hoist SWL (Kgs)
7	27473d	55189d	N/A	13232c
9	27473d	55189d	N/A	13238c
11	27473d	55189d	N/A	13244c
13	27473d	50048b	N/A	13249c
15	27473d	43973b	N/A	13254c
17	27473d	39192b	N/A	13259c
19	27473d	35393b	N/A	13266c
21	27473d	32337b	N/A	13276c
23	27473d	29891b	N/A	13292c
25	25742b	27945b	N/A	13316c
27	24065b	26455b	N/A	13354c
29	22862b	25433b	N/A	13414c
32	18442ih	21095ih	N/A	13667c

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Seatrax Crane Data Sheet-Metric Units

Kingpost Reactions

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Onboard Lifts

Drillship **API General Method**

Significant Wave Height = 1 meters **Windspeed = 11 m/sec**

Quotation / Serial No. 712102A Identification 712102A

Working Radius (meters)	Boom Angle (Degrees)	Safe Working Load (Kgs.)	Vertical Load (Tonnes)	Primary Moment (KN-m)	Sideplane Moment (KN-m)	Torsional Moment (KN-m)
7	82	55,189	205	10,386	1,725	385
9	78	55,189	205	12,858	1,705	494
11	74	55,189	205	15,323	1,677	604
13	70	55,189	205	17,778	1,640	714
15	66	55,189	205	20,226	1,595	824
17	61	53,886	202	22,175	1,508	915
19	57	48,328	190	22,240	1,313	931
21	52	43,740	181	22,292	1,141	945
23	47	39,901	173	22,337	985	958
25	42	36,638	166	22,372	837	970
27	36	33,851	160	22,406	691	984
29	28	31,449	155	22,434	537	996
32	4	25,861	143	20,777	100	951

(1) Working Radius is measured from the center of the main hook to the center of rotation in meters.
(2) SWLs Indicate the load limiting factor referenced in API Spec 2C, 6th Edition, 2004, Sec. 4.1.1
(3) The Primary Moment is the summation of moments about an axis 90 degrees to the boom centerline
(4) The Side Plane (Radial) Moment is the summation of moments about an axis parallel to the boom centerline.
(5) The Primary Moment is the overturning moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.
(6) The Side Plane (Radial) Moment is the overturning moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.
(7) The Total Vertical Load is the summation, in TONNES, with 1.5 times SWL x Cv + dead loads.
(8) The Torsional Moment (Torque) is the rotational moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.

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Seatrax Crane Data Sheet-Metric Units

Calculated Spring Constants and Cv

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Onboard Lifts

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Quotation / Serial No. 712102A — **Identification 712102A**

Working Radius (meters)	2 Falls		4 Falls		6 Falls		Auxiliary.		Load Coefficients	
	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Boom Coef.	Susp. Coef.
7	1419.00	1.40	2708.00	1.40	3883.00		384.00	1.40	1.80	0.68
9	1398.00	1.40	2617.00	1.40	3689.00		384.00	1.40	1.79	0.77
11	1375.00	1.40	2519.00	1.40	3484.00		383.00	1.40	1.82	0.86
13	1351.00	1.40	2413.00	1.40	3270.00		383.00	1.40	1.85	0.95
15	1322.00	1.40	2298.00	1.40	3047.00		383.00	1.40	1.88	1.05
17	1290.00	1.40	2173.00	1.40	2815.00		383.00	1.40	1.91	1.14
19	1252.00	1.40	2038.00	1.40	2576.00		382.00	1.40	1.94	1.24
21	1208.00	1.40	1892.00	1.40	2331.00		382.00	1.40	1.97	1.35
23	1157.00	1.40	1736.00	1.40	2085.00		381.00	1.40	2.00	1.46
25	1096.00	1.40	1571.00	1.40	1837.00		379.00	1.40	2.03	1.59
27	1024.00	1.40	1396.00	1.40	1588.00		377.00	1.40	2.06	1.73
29	935.00	1.40	1206.00	1.40	1335.00		372.00	1.40	2.11	1.90
32	667.00	1.40	751.00	1.40	783.00		345.00	1.40	2.26	2.45

(1) All Spiring Constants are in n/m
(2) The calculated Supply Boat Deck Velocity in m/sec is 0
(3) The avaliable 1 Fall Hook Speed in m/sec is 1.433
(4) The available 2 Fall Hook Speed in m/sec is .645
(5) The available 4 Fall Hook Speed in m/sec is .3
(6) The available 6 Fall Hook Speed in m/sec is N/A
(7) The available 8 Fall Hook Speed in m/sec is N/A
(8) The available 10 Fall Hook Speed in m/sec is N/A
(9) The available 12 Fall Hook Speed in m/sec is N/A
(10) The Specified Boom Tip Velocity caused by Foundation Motions is N/A.
(11) The Specified Lateral Acceleration caused by Foundation Motions is 3.7E-002
(12) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1deg.
(13) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.

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Seatrax Crane Data Sheet-Metric Units

Total Offlead & Sidelead Forces

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Onboard Lifts

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Serial or Quotation Number: 712102A — **Project Identification: 712102A**

Working Radius (meters)	Total Offlead Force (all causes) (Kgs.)	Equivalent Offlead Angle (Degrees)	Total Sidelead Force (all causes) (Kgs.)	Equivalent Sidelead Angle (Degrees)
7	3,816	2.500	3,938	1.000
9	3,816	2.500	3,938	1.000
11	3,816	2.500	3,938	1.000
13	3,816	2.500	3,938	1.000
15	3,816	2.500	3,938	1.000
17	3,736	2.500	3,861	1.000
19	3,397	2.500	3,533	1.000
21	3,117	2.500	3,261	1.000
23	2,882	2.500	3,034	1.000
25	2,683	2.500	2,841	1.000
27	2,513	2.500	2,677	1.000
29	2,366	2.500	2,535	1.000
32	2,025	2.500	2,204	1.000

(1) The Effects of Offlead, Sidelead & Windspeed are calculated in accordance with API Spec 2C, Par. 4.3.2 & 4.5.1
(2) The Sidelead & Offlead Forces acting at the boom tip due to Wind Loads are 171 kgs.
(3) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1 deg.
(4) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.
(5) The Total Offlead Force includes the effects of Wind, Supply Boat Position, Dynamic Coefficient, Foundation Trim Angle, & Lateral Foundation acceleration.
(6) The Total Sidelead Force includes the effects of Wind, Supply Boat Position, Dynamic Coefficient, Foundation List Angle, & Lateral Foundation acceleration.
(7) The Equivalent Offlead Angle is the Angle that the Hoistline is offset from the Vertical Plane, inline with the Boom, due to Supply Boat Position and Foundation Trim.
(8) The Equivalent Sidelead Angle is the Angle that the Hoistline is offset from the Vertical Plane, to the side of the Boom, due to Supply Boat Position and Foundation List.

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Seatrax Crane Data Sheet-Metric Units

Kingpost Reactions

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Offboard (Supply Boat)

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Quotation / Serial No. 712102A — **Identification 712102A**

Working Radius (meters)	Boom Angle (Degrees)	Safe Working Load (Kgs.)	Vertical Load (Tonnes)	Primary Moment (KN-m)	Sideplane Moment (KN-m)	Torsional Moment (KN-m)
7	82	55,189	220	15,438	3,229	719
9	78	55,189	219	18,002	3,172	920
11	74	55,189	222	21,177	3,208	1,156
13	70	50,048	212	22,258	2,944	1,282
15	66	43,973	199	22,341	2,607	1,347
17	61	39,192	188	22,408	2,321	1,410
19	57	35,393	179	22,470	2,074	1,471
21	52	32,337	171	22,521	1,853	1,536
23	47	29,891	165	22,575	1,651	1,608
25	42	27,945	160	22,627	1,460	1,694
27	36	26,455	155	22,686	1,270	1,808
29	28	25,433	151	22,762	1,066	1,976
32	4	21,095	138	19,659	286	2,725

(1) Working Radius is measured from the center of the main hook to the center of rotation in meters.
(2) SWLs Indicate the load limiting factor referenced in API Spec 2C, 6th Edition, 2004, Sec. 4.1.1
(3) The Primary Moment is the summation of moments about an axis 90 degrees to the boom centerline
(4) The Side Plane (Radial) Moment is the summation of moments about an axis parallel to the boom centerline.
(5) The Primary Moment is the overturning moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.
(6) The Side Plane (Radial) Moment is the overturning moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.
(7) The Total Vertical Load is the summation, in TONNES, with 1.5 times SWL x Cv + dead loads.
(8) The Torsional Moment (Torque) is the rotational moment in KN-M, with 1.5 times SWL x Cv & Resulting Horizontal Loads + dead loads.

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Seatrax Crane Data Sheet-Metric Units

Calculated Spring Constants and Cv

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

Seatrax Series 72 Model S7226
30 Meter Boom With Walkways

Offboard (Supply Boat)

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Quotation / Serial No. 712102A — **Identification 712102A**

Working Radius (meters)	2 Falls		4 Falls		6 Falls		Auxiliary.		Load Coefficients	
	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Spring Constant	Dynamic Coef.	Boom Coef.	Susp. Coef.
7	1378.00	1.76	2564.00	1.58	3593.00		381.00	2.11	2.28	1.10
9	1360.00	1.75	2488.00	1.56	3437.00		381.00	2.11	2.10	1.08
11	1338.00	1.74	2396.00	1.60	3253.00		380.00	2.11	2.04	1.12
13	1312.00	1.73	2294.00	1.63	3055.00		380.00	2.11	2.03	1.19
15	1283.00	1.72	2182.00	1.65	2847.00		380.00	2.10	2.02	1.26
17	1250.00	1.71	2062.00	1.67	2631.00		379.00	2.10	2.03	1.34
19	1212.00	1.76	1932.00	1.68	2409.00		379.00	2.10	2.03	1.43
21	1168.00	1.78	1794.00	1.69	2184.00		378.00	2.10	2.04	1.52
23	1116.00	1.80	1647.00	1.68	1957.00		377.00	2.10	2.05	1.62
25	1057.00	1.81	1492.00	1.67	1730.00		375.00	2.09	2.06	1.74
27	988.00	1.81	1330.00	1.65	1504.00		372.00	2.09	2.07	1.87
29	905.00	1.79	1157.00	1.62	1275.00		367.00	2.08	2.07	2.01
32	681.00	1.76	768.00	1.55	802.00		348.00	2.04	1.95	2.38

(1) All Spiring Constants are in n/m
(2) The calculated Supply Boat Deck Velocity in m/sec is .604
(3) The avaliable 1 Fall Hook Speed in m/sec is 1.433
(4) The available 2 Fall Hook Speed in m/sec is .645
(5) The available 4 Fall Hook Speed in m/sec is .3
(6) The available 6 Fall Hook Speed in m/sec is N/A
(7) The available 8 Fall Hook Speed in m/sec is N/A
(8) The available 10 Fall Hook Speed in m/sec is N/A
(9) The available 12 Fall Hook Speed in m/sec is N/A
(10) The Specified Boom Tip Velocity caused by Foundation Motions is .16 m/sec.
(11) The Specified Lateral Acceleration caused by Foundation Motions is 3.7E-002
(12) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1 deg.
(13) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.

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Seatrax Crane Data Sheet-Metric Units

Total Offlead & Sidelead Forces

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Offboard (Supply Boat)

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Serial or Quotation Number: 712102A — **Project Identification: 712102A**

Working Radius (meters)	Total Offlead Force (all causes) (Kgs.)	Equivalent Offlead Angle (Degrees)	Total Sidelead Force (all causes) (Kgs.)	Equivalent Sidelead Angle (Degrees)
7	12,481	7.790	7,198	3.651
9	12,415	7.836	7,155	3.673
11	12,797	7.900	7,352	3.706
13	12,005	7.985	6,910	3.749
15	10,926	8.095	6,310	3.804
17	10,080	8.235	5,837	3.875
19	9,419	8.413	5,464	3.964
21	8,910	8.641	5,171	4.079
23	8,542	8.936	4,953	4.228
25	8,316	9.333	4,809	4.428
27	8,262	9.896	4,753	4.713
29	8,481	10.779	4,835	5.161
32	10,659	17.185	5,941	8.465

(1) The Effects of Offlead, Sidelead & Windspeed are calculated in accordance with API Spec 2C, Par. 4.3.2 & 4.5.1
(2) The Sidelead & Offlead Forces acting at the boom tip due to Wind Loads are 171 kgs.
(3) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1 deg.
(4) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.
(5) The Total Offlead Force includes the effects of Wind, Supply Boat Position, Dynamic Coefficient, Foundation Trim Angle, & Lateral Foundation acceleration.
(6) The Total Sidelead Force includes the effects of Wind, Supply Boat Position, Dynamic Coefficient, Foundation List Angle, & Lateral Foundation acceleration.
(7) The Equivalent Offlead Angle is the Angle that the Hoistline is offset from the Vertical Plane, inline with the Boom, due to Supply Boat Position and Foundation Trim.
(8) The Equivalent Sidelead Angle is the Angle that the Hoistline is offset from the Vertical Plane, to the side of the Boom, due to Supply Boat Position and Foundation List.

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Seatrax Crane Data Sheet-Metric Units

Theoretical Component Failure Mode Analysis

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

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Offboard (Supply Boat)

Drillship — **API General Method**

Significant Wave Height = 1 meters — **Windspeed = 11 m/sec**

Quotation / Serial No. 712102A — **Identification 712102A**

Working Radius (meters)	Based on Kingpost	Based on Suspension	Based on Boom	Based on Gantry	Based on Main Cable	Based on Aux Cable	Theor. Fail Load	Component First to Fail	Ratio to Kingpost
7	368	387	166	254	355	72	166	BOOM	2.207
9	315	392	176	245	355	72	176	BOOM	1.785
11	275	377	179	220	355	72	179	BOOM	1.53
13	244	357	177	196	355	72	177	BOOM	1.38
15	219	336	172	176	355	72	172	BOOM	1.27
17	199	315	168	159	355	72	159	GANTRY	1.25
19	182	295	164	145	355	72	145	GANTRY	1.255
21	168	277	158	134	355	72	134	GANTRY	1.257
23	156	258	152	124	355	72	124	GANTRY	1.26
25	146	241	145	116	355	72	116	GANTRY	1.26
27	138	224	136	109	355	72	109	GANTRY	1.26
29	130	207	124	104	355	72	104	GANTRY	1.257
32	128	174	86	105	355	72	86	BOOM	1.477

(1) All Loads are measured in Tonnes
(2) Loads shown are calculated in accordance with API Spec 2C, 2004, Section 4.6.
(3) Ratio to Kingpost is the Ratio of the Component First to Fail to the Kingpost..The Aux line is Excluded from this Ratio.
(4) The Specified Boom Tip Velocity caused by Foundation Motions is .16 m/sec.
(5) The Specified Lateral Acceleration caused by Foundation Motions is 3.7E-002
(6) The Specified Vertical Acceleration caused by Foundation Motions is 1.07g.
(7) The Specified Additional Sidelead Angle (List) from Foundation Motions is 1deg.
(8) The Specified Additional Offlead Angle (Trim) from Foundation Motions is 2.5 deg.

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01-24-2008

Seatrax Hoist Datasheet-Metric Units

Auxiliary Drum Performance

Seatrax Hoisting Draw-Works Configuration

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Hoist Model **463-EJA**

Serial or Quotation Number: 712102A		Project Identification: 712102A	
Pressure (bar)	347	Drum Barrel Diameter (mm)	508
Flow (lpm)	435	Drum Flange Diameter (mm)	864
Motor Displacement (cc/rev)	160	Drum Width Between Flanges (mm)	1,600
Motor Torque (n-m)	790	Drum Torque (n-m)	38,675
Motor Speed (rpm)	2,604	Drum Speed (rpm)	51
Gear Reduction	50.99	Diameter of Aux Cable (mm)	28
This Seatrax Hoisting Draw-Works is Equipped with an External Contracting Drum Band Brake			

Installation Dimensions

Boom Pivot Height Above Deck Level (m)	12
Deck Level to Lowest Hook Position (i.e. Water) (m)	13
Maximum Required Hook Travel (m)	56

Single Line Performance

Layer of Cable	Line Pull (Kgs.)	Line Speed (Meters/min)	Cumulative Cable Capacity (m)
1	14,699	86	94
2	13,458	94	196
3	12,410	102	307
4	11,513	110	426

Auxiliary Drum Performance (Load in Kgs. @ Meters/Min)

Hook Load @ Boom Tip	14,412	Hook Speed @ Boom Tip	86
Hook Load @ Deck	14,412	Hook Speed @ Deck	86
Hook Load @ Water	14,412	Hook Speed @ Water	86

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Seatrax Hoist Datasheet-Metric Units

Main Drum Performance

Seatrax Hoisting Draw-Works Configuration

Seatrax Series 72 Model S7226

30 Meter Boom With Walkways

Hoist Model **763-HJC**

Serial or Quotation Number: 712102A			Project Identification: 712102A
Pressure (bar)	347	Drum Barrel Diameter (mm)	660
Flow (lpm)	435	Drum Flange Diameter (mm)	1016
Motor Displacement (cc/rev)	160	Drum Width Between Flanges (mm)	1600
Motor Torque (n-m)	790	Drum Torque (n-m)	58,412
Motor Speed (rpm)	2,604	Drum Speed (rpm)	33
Gear Reduction	78.65	Diameter of Main Cable (mm)	32
This Seatrax Hoisting Draw-Works is Equipped with an External Contracting Drum Band Brake			

Installation Dimensions

Boom Pivot Height Above Deck Level (m)	12
Deck Level to Lowest Hook Position (i.e. Water) (m)	13
Maximum Required Hook Travel (m)	56

Single Line Performance

Layer of Cable	Line Pull (Kgs.)	Line Speed (Meters/min)	Cumulative Cable Capacity (m)
1	17,211	72	109
2	15,944	78	224
3	14,851	83	350

Main Drum Performance- 2 Part Line (Load in Kgs. @ Meters/Min)

Hook Load @ Boom Tip	28,835	Hook Speed @ Boom Tip	42
Hook Load @ Deck	30,957	Hook Speed @ Deck	39
Hook Load @ Water	30,957	Hook Speed @ Water	39

Main Drum Performance- 4 Part Line (Load in Kgs. @ Meters/Min)

Hook Load @ Boom Tip	56,550	Hook Speed @ Boom Tip	21
Hook Load @ Deck	60,713	Hook Speed @ Deck	19
Hook Load @ Water	65,536	Hook Speed @ Water	18

Main Drum Performance - 6 Part Line (Load in Kgs. @ Meters/Min)