

EnerLift-25

EnerMech Modular Temporary Crane

Optimized for safe and enhanced rig-up / rig down for any offshore temporary lifting operation

Background

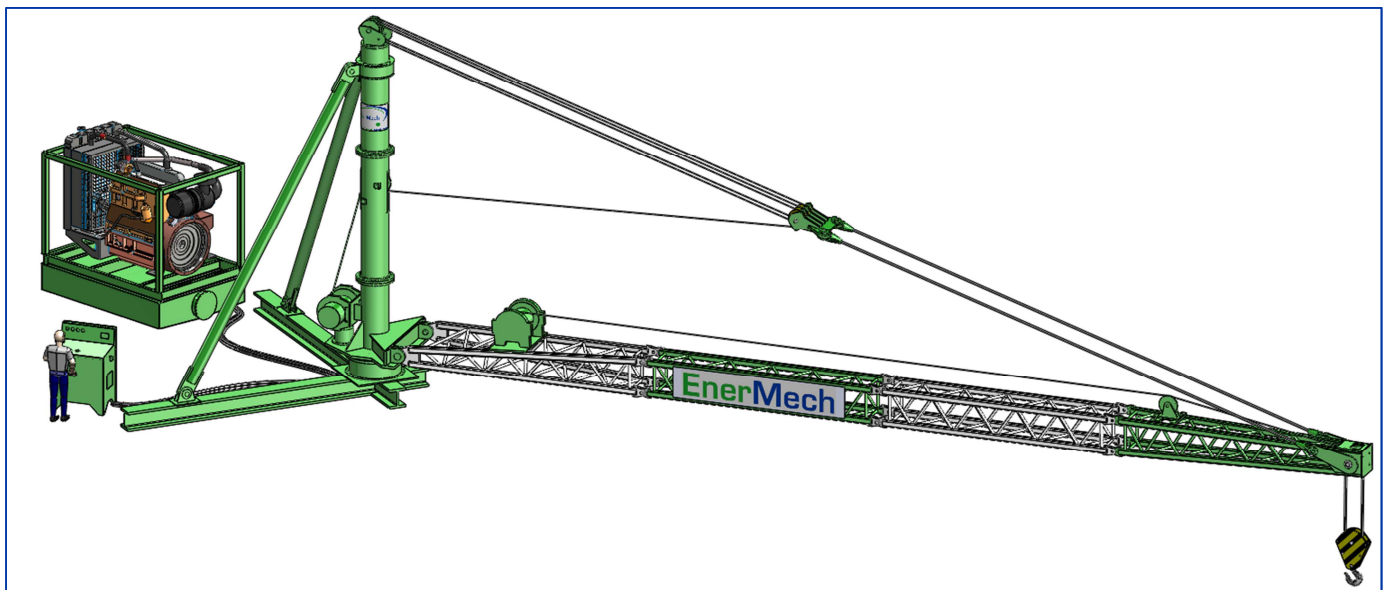
Crane original year of manufacture 2015
Code of Construction..... API 2C 7th edition, march 2012

General Description

Max load onboard Main Hoist..... 25 Te
Max load offboard Main Hoist..... 20 Te
Max Hook Speed (Main Hoist)..... 18 M/Min
Boom Length 60 ft
Hook Maximum Travel..... 45 M
Hook Maximum Radius..... 18.5 M
Hook Minimum Radius..... 4.6 M
Modular design 4 t max per elements
Offshore friendly design Substructure type design
Offshore friendly design Key components crash protected
Efficient design Clamp systems to eliminate hot work

Components data

Engine Caterpillar 3406c
Main Hoist Braden CH210AB-36120-01-1
Main hoist rope 19mm, DYFORM 34 LR
Boom hoist rope 18mm, DYFORM 6 (6X36)
Boom Hoist Braden CH165A-25120-01



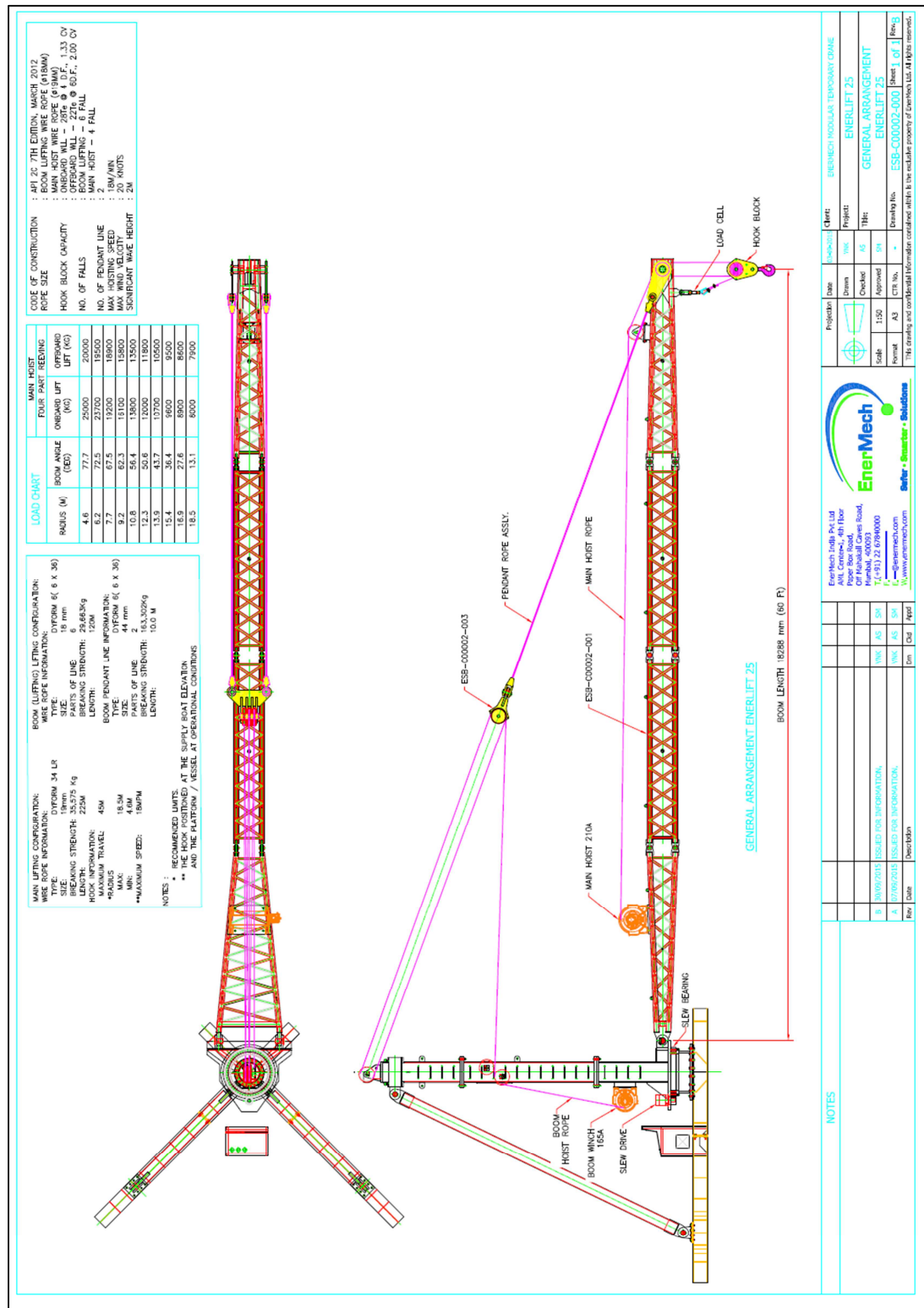
EnerLift 25 Load Chart

RADIUS (M)	BOOM ANGLE (DEG)	MAIN HOIST	
		FOUR PART REEVING	
		ONBOARD LIFT (KG)	OFFBOARD LIFT (KG)
4.6	77.7	25000	20000
6.2	72.5	23700	19500
7.7	67.5	19200	18900
9.2	62.3	16100	15800
10.8	56.4	13800	13500
12.3	50.6	12000	11800
13.9	43.7	10700	10500
15.4	36.4	9600	9500
16.9	27.6	8900	8600
18.5	13.1	8000	7900

NOTES:

- 1) Offboard lifts based on $SWL \times C_v$
- 2) C_v is the vertical dynamic coefficient determined by
* Default dynamic method – offboard lifts from fixed platform ($C_v=2.0$)
- 3) Sheave efficiency considered
- 4) The above ratings are net ratings as the main load block weight of 382 Kg has already been subtracted to determine "Net" capacity.
- 5) All ratings in accordance with API specification 2C (Spec 2C0, seventh edition, March 2012).

EnerLift 25 - General Arrangement



EnerLift 25 – Dimensions & Weights

Item	Qty	Description		Length	Width	Height	Net Weight	Total Weight
				mm	mm	mm	Kg	Kg
1	1	Support Beam 1	Loose	2000	2000	356	1131	1131
2	2	Support Beam 2	Loose	4500	369	356	725	1527
3	1	Tie down bracket 1 & 2		460	355	335	77	
4	1	Base section mast	Loose	1350	1350	390	741	741
5	1	Slew bearing	Loose	1198	1198	139	426	2306
6	1	Lower section mast		2000	1375	1755	1880	
7	1	Mid-section mast	Loose	740	740	3190	1070	1070
8	1	Top section mast	Loose	740	740	1890	1050	1955
9	1	Swivel collar mast		1026	1026	300	290	
10	1	Retainer swivel collar		707	707	595	250	
11	1	Bushing support flange		707	707	365	276	
12	1	Washer for swivel collar		707	707	5	9	
13	1	Bush for swivel collar		627	627	300	80	
14	2	Tie down brace 1 & 2	Loose	273	273	7843	962	1924
15	4	Tie down pin	Loose	128	128	217	11	44
16	1	Boom foot section	Loose	4745	1520	780	880	880
17	2	Boom mid-section 1 & 2	Loose	4702	730	790	782	1564
18	1	Boom tip section	Loose	4885	730	790	960	960
19	2	Pendent link	Loose	1030	420	82	74	148
20	1	Pendent rope	Loose					
21	1	Main hoist rope	Reel					
22	1	Boom hoist rope	Reel					
23	1	Remote console	Loose	1012	712	1550	320	320
24	1	Power unit assembly	Loose	3195	2180	2965	1362	4000
25	1	hoses	Loose					