

EnerLift-5

EnerMech Modular Temporary Crane

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

Background

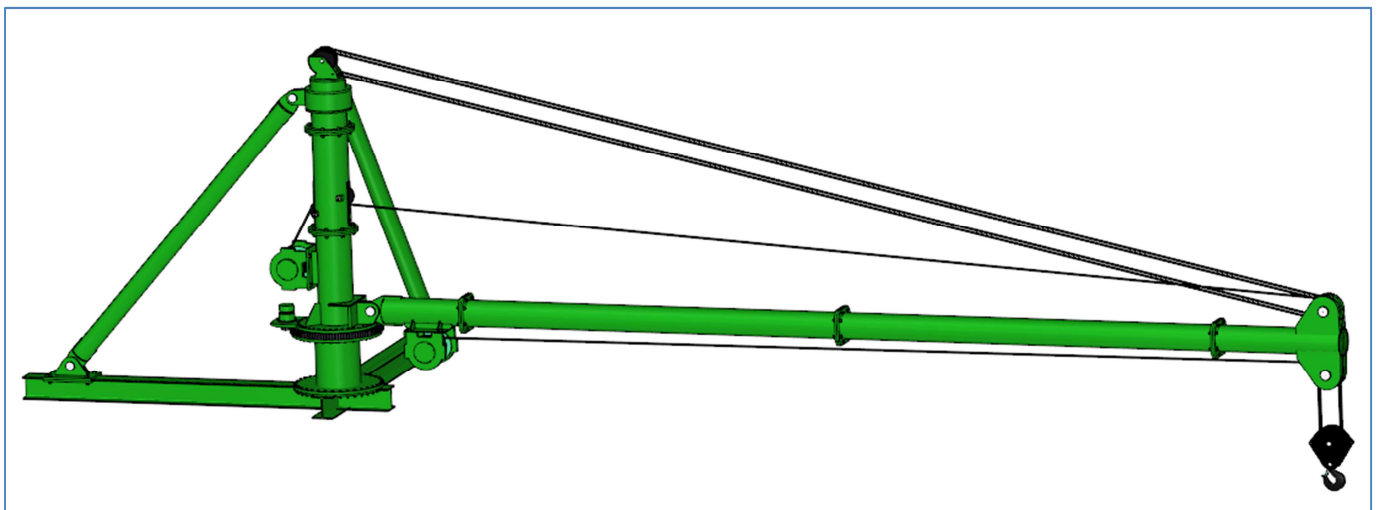
Crane original year of manufacture 2015
Code of Construction..... API 2C 7th edition, march 2012

General Description

Max load onboard Main Hoist..... 4.5 Te
Max load offboard Main Hoist..... 4.5 Te
Max Hook Speed (Main Hoist)..... 18 M/Min
Boom Length 30 ft
Hook Maximum Travel..... 45 M
Hook Maximum Radius..... 9.1 M
Hook Minimum Radius..... 1.5 M
Modular design 2 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 --
Main Hoist Braden BG8B-24029-01
Main hoist rope 11mm, DYFORM 34 LR
Boom hoist rope 18mm, DYFORM 6 (6X36)
Boom Hoist Braden BG8B-24029-01



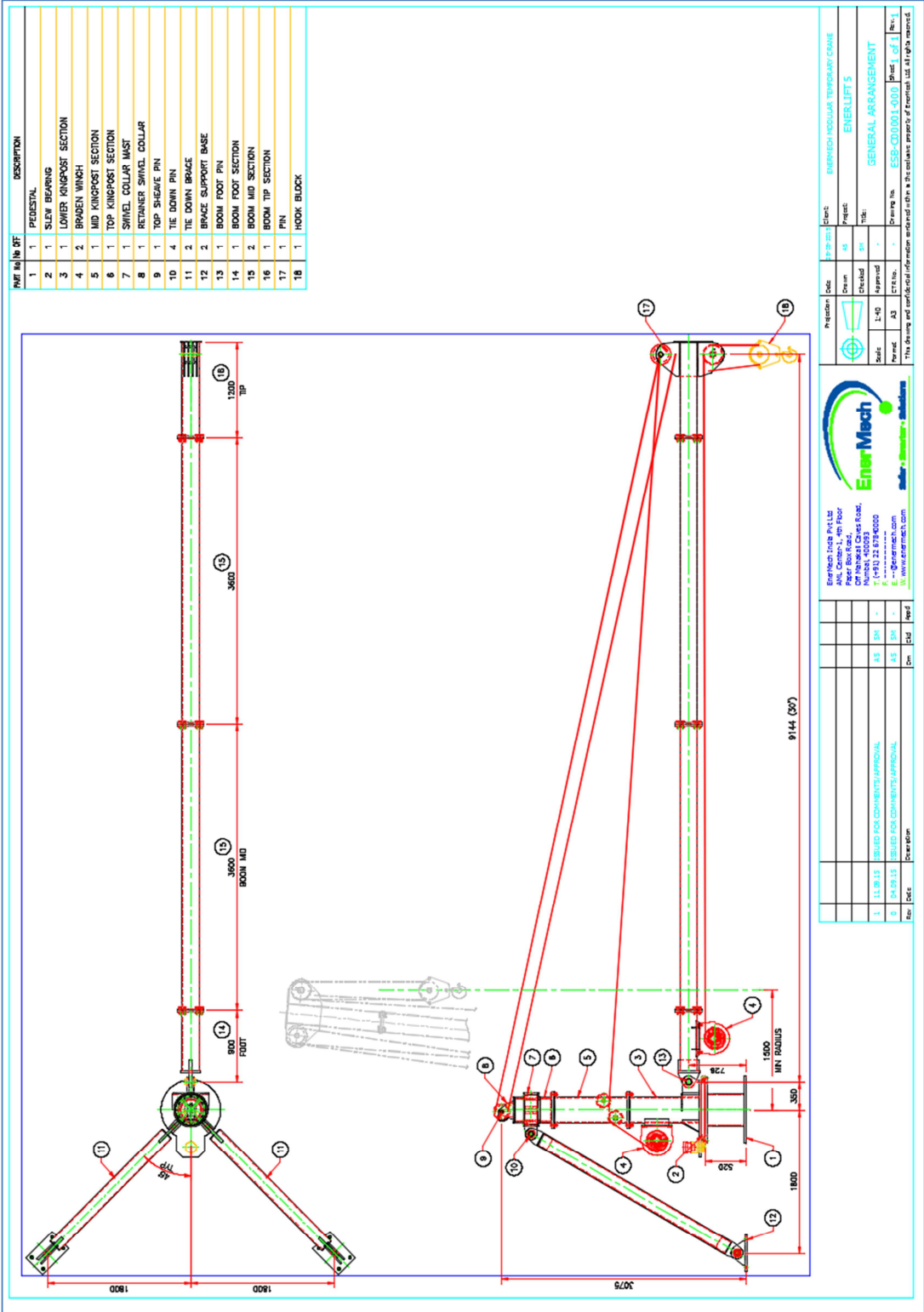
EnerLift 5 Load Chart

RADIUS (M)	BOOM ANGLE (DEG)	MAIN HOIST	
		FOUR PART REEVING	
		ONBOARD LIFT (KG)	OFFBOARD LIFT (KG)
1.5	82.78	4500	4500
2.4	77.04	4500	4500
3.3	71.18	4500	4500
4.2	65.10	4500	4500
5.1	58.70	4500	4500
6.0	51.84	4500	4500
6.9	44.25	4500	4500
7.8	35.44	4500	4500
8.7	24.05	4500	4500
9.1	15.99	4500	4500

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 100 Kg has already been subtracted to determine "Net" capacity.
- 5) All ratings in accordance with API specification 2C (Spec 2C, seventh edition, March 2012).

EnerLift 5 - General Arrangement



EnerLift 5 – Dimensions & Weights

Item	Qty	Description		Length	Width	Height	Net Weight	Total Weight
				mm	mm	mm	Kg	Kg
1	1	Support Beam 1	Loose	2600	300	210	105	105
2	2	Support Beam 2	Loose	2600	300	210	105	169
3	1	Tie down bracket 1 & 2		460	300	220	64	
4	1	Base section mast	Loose	950	950	210	120	120
5	1	Slew bearing	Loose	840	840	60	300	540
6	1	Lower section mast		1030	750	900	240	
7	1	Mid-section mast	Loose	455	455	950	116	116
8	1	Top section mast	Loose	455	455	500	198	434
9	1	Swivel collar mast		583	583	160	53	
10	1	Retainer swivel collar		425	425	500	150	
11	1	Bushing support flange		390	390	50	20	
12	1	Washer for swivel collar		425	425	5	1	
13	1	Bush for swivel collar		384	384	160	12	
14	2	Tie down brace 1 & 2	Loose	3560	180	180	140	280
15	4	Tie down pin	Loose	125	100	100	4	16
16	1	Boom foot section	Loose	975	330	330	92	92
17	2	Boom mid-section 1 & 2	Loose	3600	330	330	145	290
18	1	Boom tip section	Loose	1200	851	330	205	205
19	1	Main hoist rope	Reel	-	-	-	-	-
20	1	Boom hoist rope	Reel	-	-	-	-	-
21	1	Remote console	Loose	1012	712	1550	320	320
22	1	Power unit assembly	Loose	2400	1800	1900	1955	1955
23	1	hoses	Loose	-	-	-	-	-