

1) Introduction: The Sodenic™ crane is a tower crane that breaks down into sections that can be carried by one or two people, and enables the motorised lifting of materials using a hoisting cable. Thanks to its slewing jib and its height adjustment, the operator can handle loads safely over the work area.

2) Installation: Can be done safely in line with the workplace. Component connection is achieved using pins locked using safety split-pins and does not require the use of special tools.

3) Safety in use:

- Platform equipped with counterweight locking, consisting of interlocking 25 kg pig iron weights equipped with two carrying handles; they provide a ballast of 750 kg or 30 counterweights.
- Top end of travel stop for all types of motorised winches.
- Lower end of travel stop for electric powered winch.
- Control of the motorised winch by remote lever.
- Control of electric powered winch by button box equipped with an emergency stop.
- Mast angle end-of-travel stops.
- Self-locking lifting hook.
- Sectioned pulleys.
- Complies with CE directives.

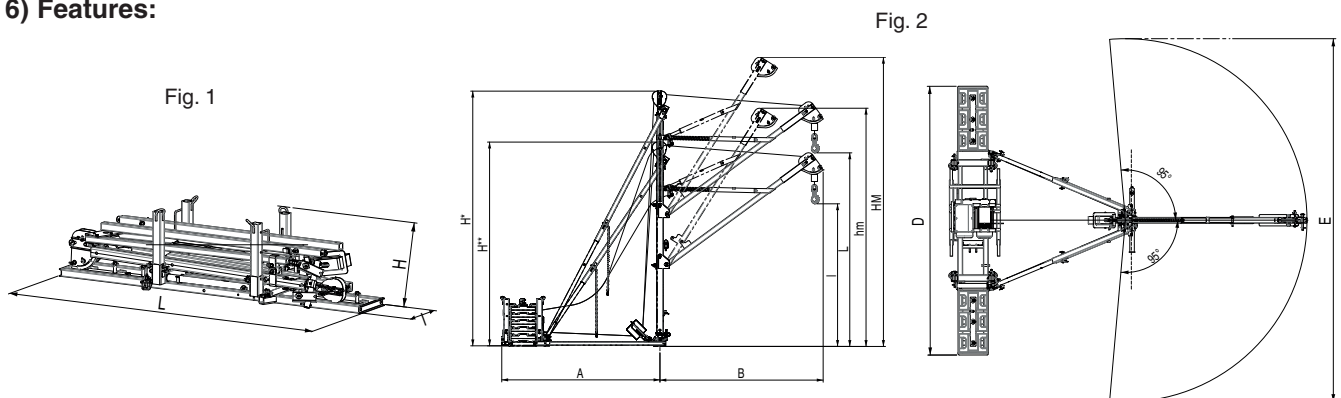
4) Handling and Storage:

- Palletised items on its platform.
- Can be handled by slinging.
- Stackable platform.

5) Performance:

- Fully galvanized.
- Boom on self-lubricating bushings and stops.
- Pulleys mounted on sealed ball bearings.
- Electric winch motor with power failure brake.
- High-power petrol motor driven winch with optimised noise level.
- Scaled for a safety factor of 4.
- Electric winch motor compatible with the specifications of domestic electrical mains supply.
- Winches compatible with a duty cycle of 100%.

6) Features:



6.1) General features

Winch	Boom level		Speed ⁽²⁾ (m/min)	Cable length / W.L.L. ⁽¹⁾		
	High (H*)	Low (H**)		45 m	60 m	80 m
Electric motor winch	yes	yes	28	250 kg		
Petrol motor winch	yes	yes	22	250 kg		200 kg

Manual winch option: W.L.L. ⁽¹⁾ = 120 kg / Cable length = 38 m / Weight = 15 kg

6.2) Sodenic™ Crane (fig. 2)

Weight (without motorised winch ⁽³⁾)	kg	237
Size folded ⁽⁴⁾ (fig.1)	mm	L = 2400 / l = 500 / H = 630
A	mm	1870
B	mm	1925
H*	mm	3000
H**	mm	2400
D	mm	2845
E	mm	3850
Hm	mm	2805
HM	mm	3405

6.3) Petrol motor winch

Cable length	m	45	60	80
Weight ⁽³⁾	kg	109	111	113

6.4) Electric motor winch

Voltage	V	230		
Frequency	Hz	50		
Number of phases	-	Single Phase		
FEM/ISO Classification	-	1Am/M3		
Cable length	m	45	60	80
Weight ⁽³⁾	kg	76	78	80

6.5) Lifting heights

Length of the winch cable	m	38	45	60	80
Lifting height low position (H**)	m	31	38	53	73
Lifting height high position (H*)	m	30	37	52	72
Free height under hook					
L	mm	2615			
l	mm	1715			

(1): Maximum Authorised Load.

(2): Average speed.

(3): Including the motorised winch mounted on its stretcher and equipped lifting cable.

(4): Stowed and transport position.