BEFARD

MINI CRANE
ON A TRACKED UNDERCARRIAGE

TB5000

TB5000 JIB

Mobility, precision, power



MAXIMUM LIFTING CAPACITY
2400 kg
at **2.00 m** outreach

VERTICAL REACH
>13 m
over **13 m**

HORIZONTAL REACH
11.2 m
with JIB arm **11.3 m**

MACHINE WIDTH
88 cm
machine transport height **198 cm**

The **BEFARD TB5000** mini crane with a reach of over 13 m is fully remote controlled. The best compromise between long reach and high lifting capacity, low dead weight and an attractive price. Maximum lifting capacity **2400 kg**. An XP / XR vacuum lifter and a winch can be added.

Advantages and standard equipment

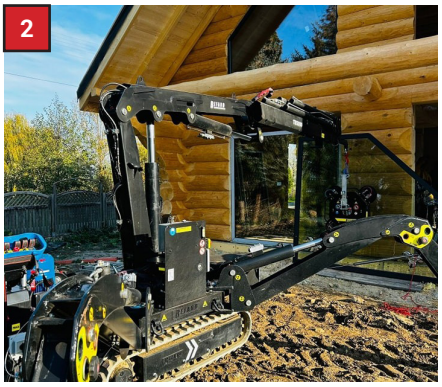
1



Radio remote control STANDARD

Machine travel, crane operation and outrigger deployment. Remote control charger included as standard, also usable from a car socket.

2



Tracked undercarriage STANDARD

Non-marking tracks – safe work on floors and paving.

3



Outriggers STANDARD

4 outriggers, manually folded out, hydraulically lowered. Outrigger span 4.8 × 4.9 m.

4



Extensions and column rotation STANDARD

4 hydraulic extensions + 1 manual. Slewing column 320°.

5



Active arm STANDARD

16° active arm – work around obstacles and under ceilings.

6



Safety and precision STANDARD

Overload protection system. Two speed modes: precision and fast.

7



Combustion-electric drive STANDARD

Vanguard engine 19 HP (14 kW) + electric motor (230 V, 400 V or 110 V to choose from). Li-ion batteries as an option (p. 3).

Optional equipment

1



Hydraulic JIB 4.75 m OPTION

JIB arm with 2 hydraulic extensions – for glazing installation. Max. capacity with JIB 650 kg (with winch 625 kg).

2



Searcher hook OPTION

3 positions.

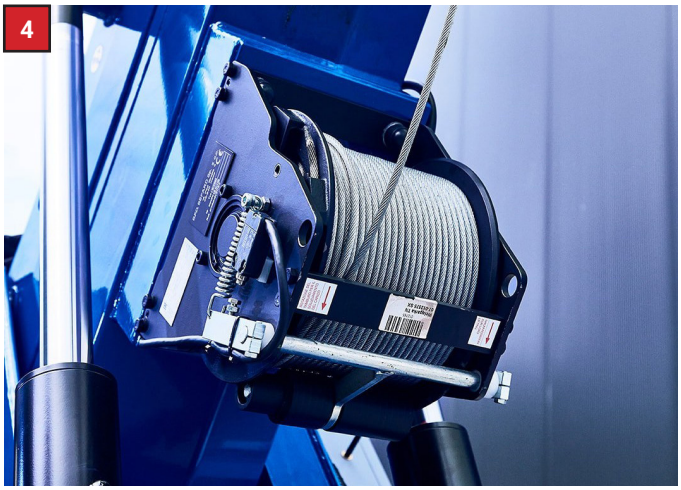
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LED lamp OPTION

LED lamp powered by the machine.

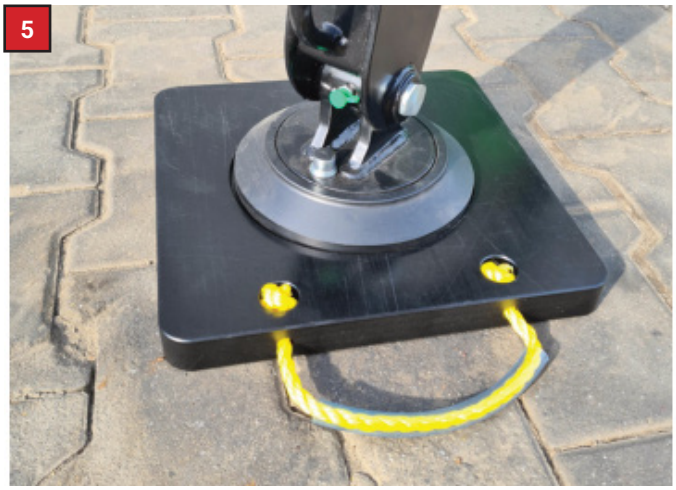
4



Hydraulic winch OPTION

990 kg, 50 m rope (optionally 60 m).

5



Outrigger pads OPTION

Protect the surface and stabilise the machine.

6



RAL colour and biodegradable oil OPTION

Painting in a RAL colour of your choice. Biodegradable hydraulic oil.

7



Li-ion battery power OPTION

Li-ion battery 1 × 200 Ah with built-in 230 V charger.

Technical specifications

LIFTING CAPACITY	VERTICAL REACH	HORIZONTAL REACH	MACHINE WIDTH	MACHINE WEIGHT
2400 kg	**>13** m	**11.2** m	**88** cm	**~2200** kg
at **2.00 m** outreach	over **13 m**	with JIB **11.3 m**	height **198 cm**	with JIB **~2400 kg**

1 LIFTING CAPACITY AND REACH

Maximum lifting capacity	**2400 kg at 2.00 m**
Max. capacity with JIB	**650 kg** · with winch 625 kg OPTION
Vertical reach	**over 13 m**
Horizontal reach	**11.2 m** · with JIB 11.3 m
Hydraulic extensions	**4 hydraulic + 1 manual**
Active arm / column	**16° · rotation 320°**

2 DIMENSIONS AND TRANSPORT

Transport length	**3.5 m** · with JIB 3.44 m
Machine transport height	**198 cm**
Machine width	**88 cm**
Outrigger span	**4.8 × 4.9 m**
Machine weight	**~2200 kg** · with JIB ~2400 kg

3 UNDERCARRIAGE AND CONTROL

Tracks	**non-marking**
Outriggers	**4 legs, manually folded out, hydraulically lowered**
Radio remote control	**travel, crane, outriggers**
Overload protection system	**yes · 2 speed modes**

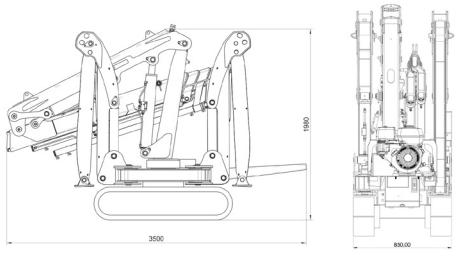
4 DRIVE AND POWER SUPPLY

Standard	**combustion-electric: Vanguard 19 HP (14 kW) + mains (230 V, 400 V or 110 V to choose from)**
Li-ion batteries	**1 × 200 Ah, built-in 230 V charger** OPTION
Winch	**990 kg / 50 m rope** · optionally 60 m OPTION

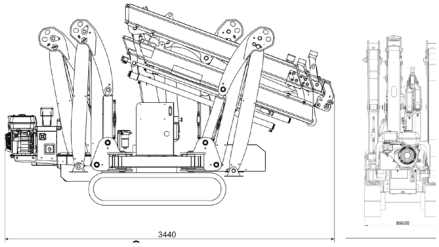
5 OTHER OPTIONS

- hydraulic JIB 4.75 m
- searcher hook
- LED lamp
- outrigger pads
- RAL colour
- biodegradable oil
- XP / XR vacuum lifters

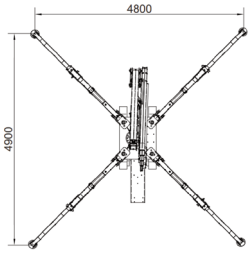
6 TRANSPORT DIMENSIONS [MM]



Transport position – standard
3500 × 1980

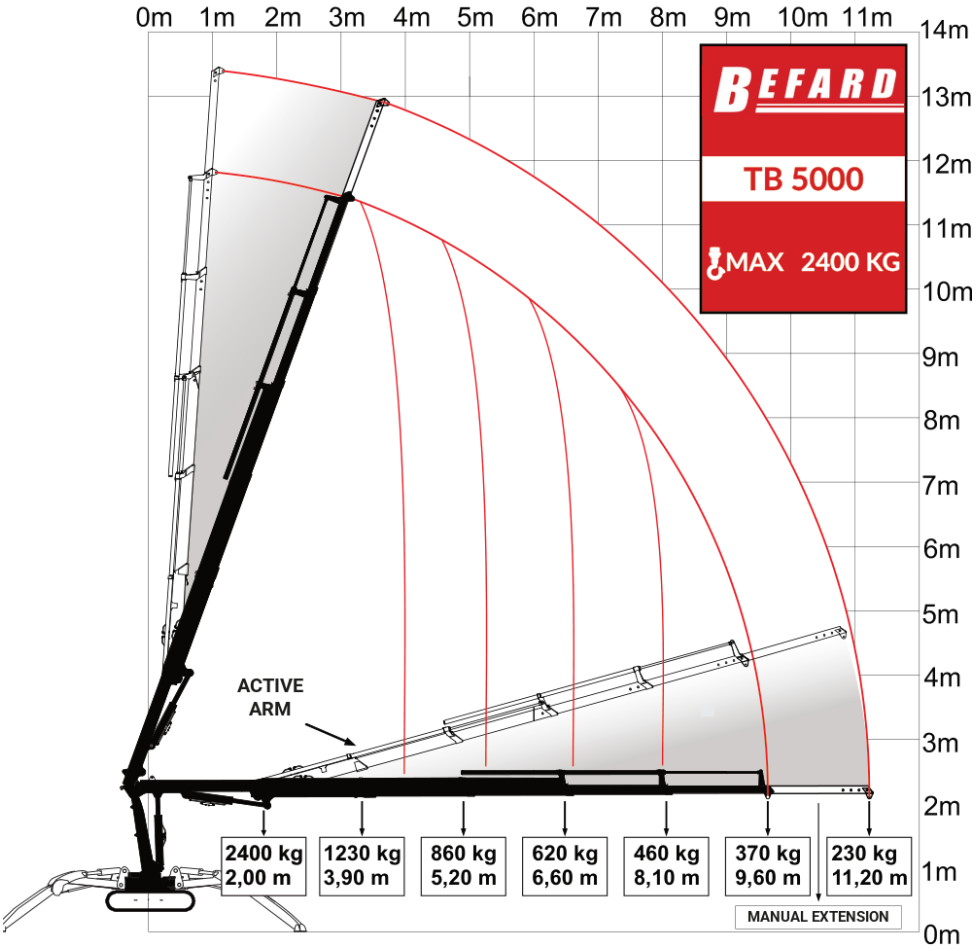


Transport position – with JIB
3440



Outrigger span
4800 × 4900

Load chart



1 STANDARD VERSION

2.00 m	**2400 kg**
3.90 m	**1230 kg**
5.20 m	**860 kg**
6.60 m	**620 kg**
8.10 m	**460 kg**
9.60 m	**370 kg**
11.20 m	**230 kg**

Selecting the machine for a task requires checking the full load chart for the given configuration.

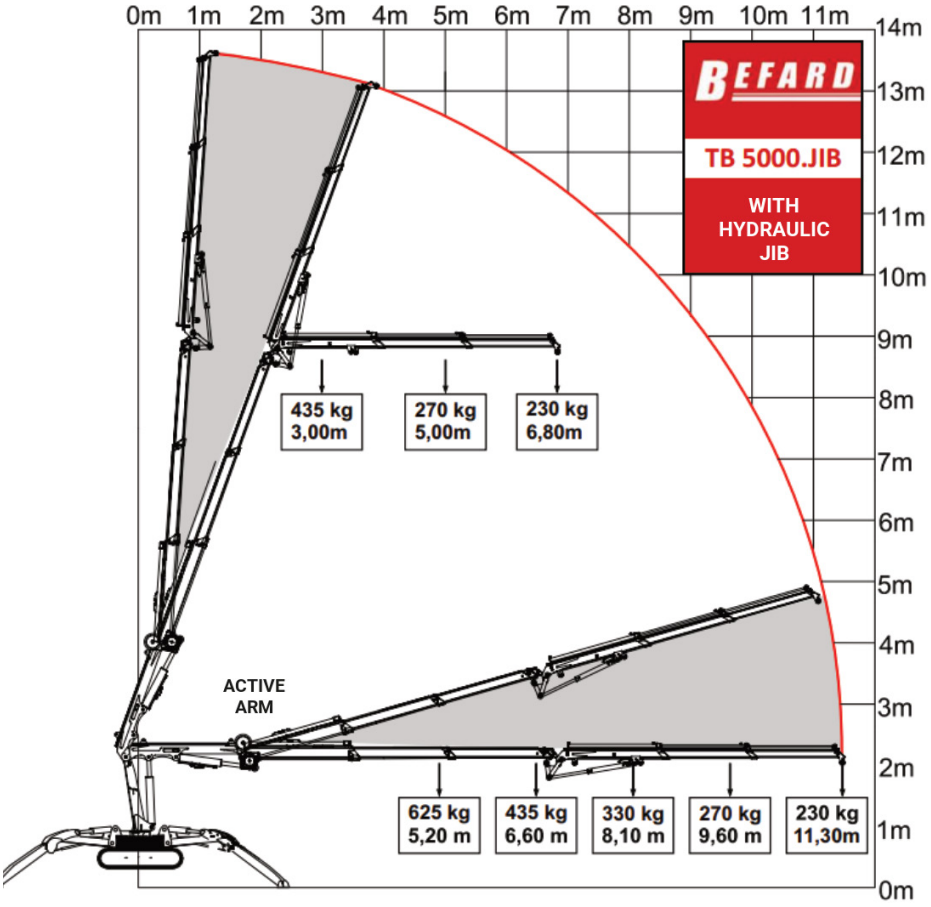


Stonemasonry – headstone installation



Glazing – glass installation

Load chart with JIB arm



2 WITH JIB – OPERATION WITH WINCH

5.20 m	**625 kg**
6.60 m	**435 kg**
8.10 m	**330 kg**
9.60 m	**270 kg**
11.30 m	**230 kg**
JIB up 3.00 m	**435 kg**
JIB up 5.00 m	**270 kg**
JIB up 6.80 m	**230 kg**

Chart for operation with winch. Without winch, max. capacity with JIB 650 kg. Selecting the machine for a task requires checking the full load chart for the given configuration.



JIB extended – 2 hydraulic extensions



JIB folded – transport position







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