

## Material Handling Machine / Log Loader / Trailer Puller



**206 HP**



**90,000 lbs. (40,823 kg)**



## **830** M-T / M-HD-S "D"

# 830 M-T / M-HD-S "D"









Ideal maintenance access from ground level.

## **SENNEBOGEN** Hydroclean

This system, using a 3 micron filter, keeps the hydraulic circuit free from water and contamination. It also extends the life of the hydraulic components and reduces machine maintenance and operating costs.

Cooling system with water radiator, turbo intercooler and hydraulic oil cooler side by side.

## Innovative Material Handling



Hydraulic driven fan with flow optimized fan blades, thermostatically controlled, reversible to keep the coolers free of debris.



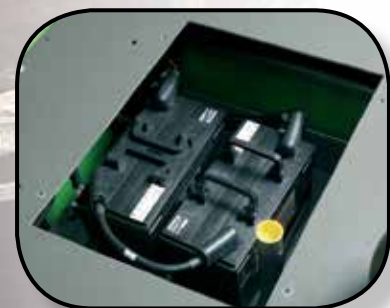




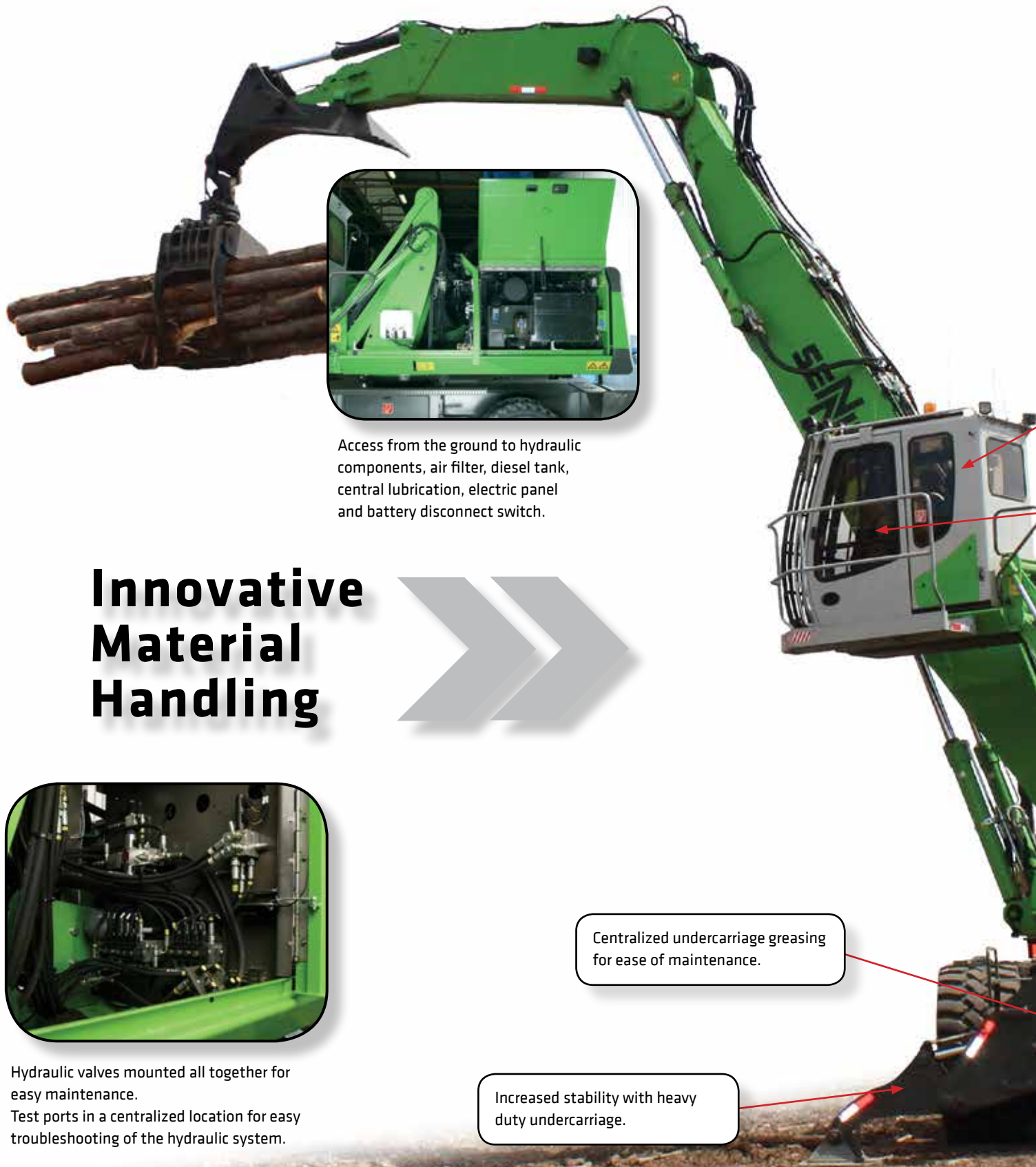
Easy and safe access to the uppercarriage.



Uppercarriage designed specifically for heavy lifting with continuous bearing plates from boom to counterweight.



Excellent access to the batteries.



Access from the ground to hydraulic components, air filter, diesel tank, central lubrication, electric panel and battery disconnect switch.

## Innovative Material Handling



Hydraulic valves mounted all together for easy maintenance.  
Test ports in a centralized location for easy troubleshooting of the hydraulic system.

Centralized undercarriage greasing for ease of maintenance.

Increased stability with heavy duty undercarriage.





Fuses and relays are positioned together for ease of maintenance. The battery disconnect switch and main fuses are easily accessible from the ground level.

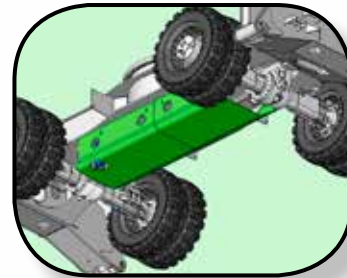
Improved visibility with the standard hydraulic elevating cab.

Sliding cab door – for easy access, safety and comfort.

Two hydraulic lifting cylinders enhance cab stability and safety.



Redesigned cab including a catwalk and fixed handrails, has enhanced cab access and cab safety.



Undercarriage protection.



Cooling efficiency is improved using wider fin spacing and coarse particle separation placed in front of radiator and coolers.



Centralized undercarriage greasing.





Standard catwalk with fixed railings guarantees safe and easy access to cab and windshield.



Hydraulic elevating cab with tinted safety glass. Sliding cab door makes access to the cab very safe and comfortable.

## Safety and Comfort first



Fully automatic climate control – heating and air conditioning with temperature presetting, fresh / recirculated air flow modes, air filter and 8 adjustable air vents.



**SENNEBOGEN** diagnostic system – automatic monitoring, warning and storage of all essential operating conditions.



Large cab has air suspended seat with built-in lumbar support and heater; is fully adjustable to the joysticks and foot controls. This provides the operator with unobstructed view of the working area.



### Standard Technical Specifications

#### Engine

Model:	Cummins QSB 6.7 (Tier 3)
Type:	6 cylinder, inline
Cooling:	Water cooled
Rating:	206 HP (151 kW) at 2,000 rpm
Fuel Tank:	130 gal (480 L)
Air Filter:	Dual stage with prefilter

#### Electrical System

Operating Voltage:	24 V
Batteries:	2 x 12 V, 110 Ah
Light Package:	2 x uppercarriage 2 x cab (front)

#### Hydraulic System

Flow Rate:	140 gpm (520 L/min)
Working Pressure:	4,930 psi (350 bar)
Hydraulic Tank:	82 gal (310 L)
Oil Filtration:	Full flow return filters plus 3 micron <b>SENNEBOGEN</b> Hydroclean

#### Swing System

Drive:	Axial piston motor, planetary gear, multidisc brake
Swing Speed:	0 - 8 rpm
Swing Bearing:	Sealed ball bearing with external teeth

#### Rubber Tired Undercarriage (M-HD-S)

Drive:	Variable displacement hydraulic motor. 1x dual stage power shift transmission, all wheel drive
Steering:	Joystick steering
Travel Speed:	1st 0 - 4.4 mph (0 - 7 km/h) 2nd 0 - 12.5 mph (0 - 20 km/h)
Axles:	Front axle: oscillating with hydraulic lock Rear axle: fixed
Brakes:	Multidisc in both axles
Tires:	4 x 16.00 - 25 pneumatic
Safety:	Travel alarm

#### Rubber Tired Undercarriage (M-T)

Drive:	Automatic power shift drive
Steering:	Joystick steering
Travel Speed:	0 - 15.5 mph (0 - 25 km/h)
Axles:	Front axle: oscillating with hydraulic lock Rear axle: fixed
Brakes:	Multidisc in both axles
Tires:	4 x 650/65R25 pneumatic
Safety:	Travel alarm

#### Cab System

Standard:	D270 maXCab Hydraulic elevating 8'10" (2700 mm) with two cylinders
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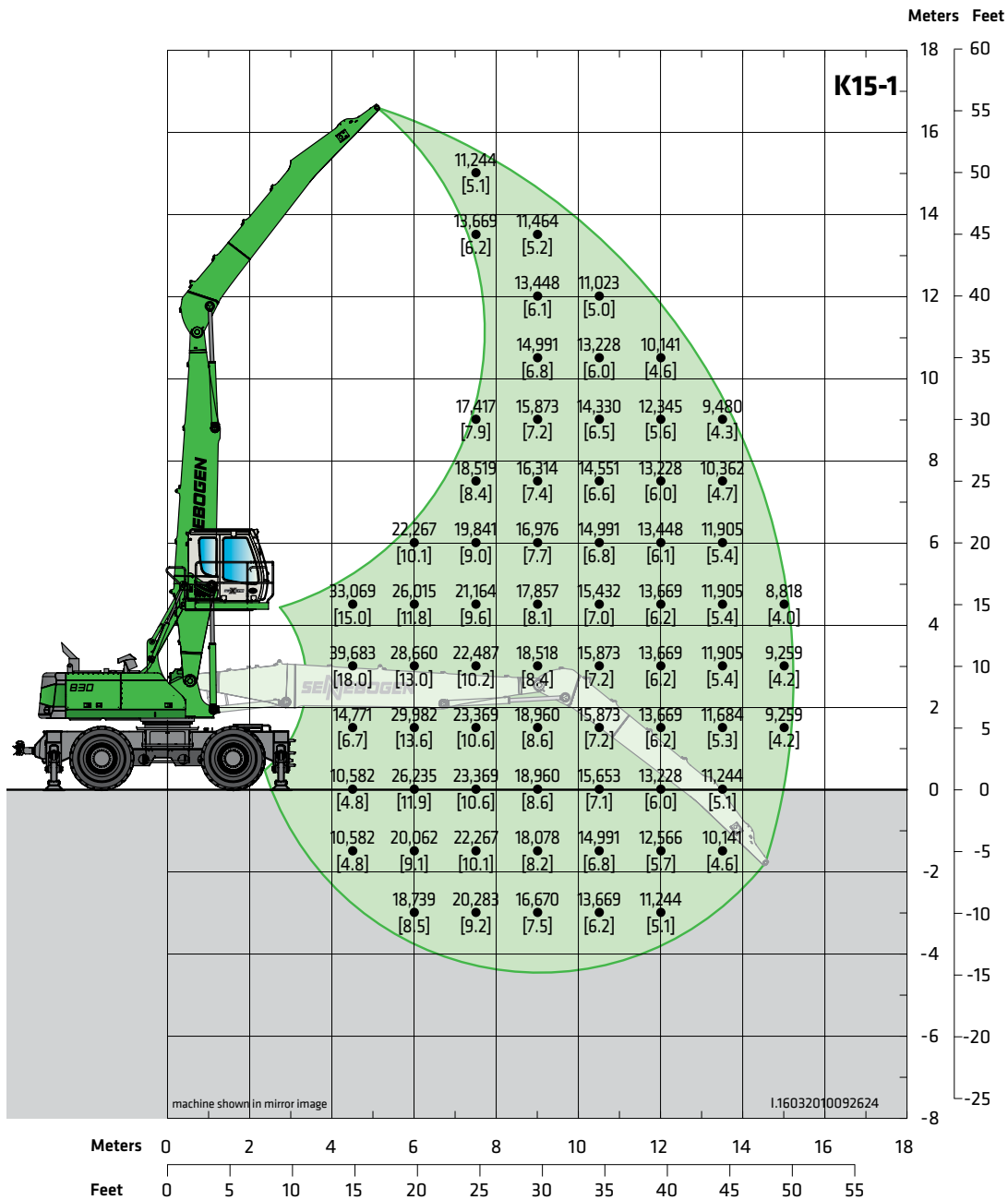
#### Optional Equipment

see page 14

#### Weight

830 M-HD-S "D"	90,000 lbs (40,823 kg)
830 M-T "D"	90,000 lbs (40,823 kg)

# 830 M-T / M-HD-S "D"



## Working Equipment

K15	50'3" (15 m) reach
boom	27'11" (8.5 m)
stick	23' (7.0 m)
boom pos.	I

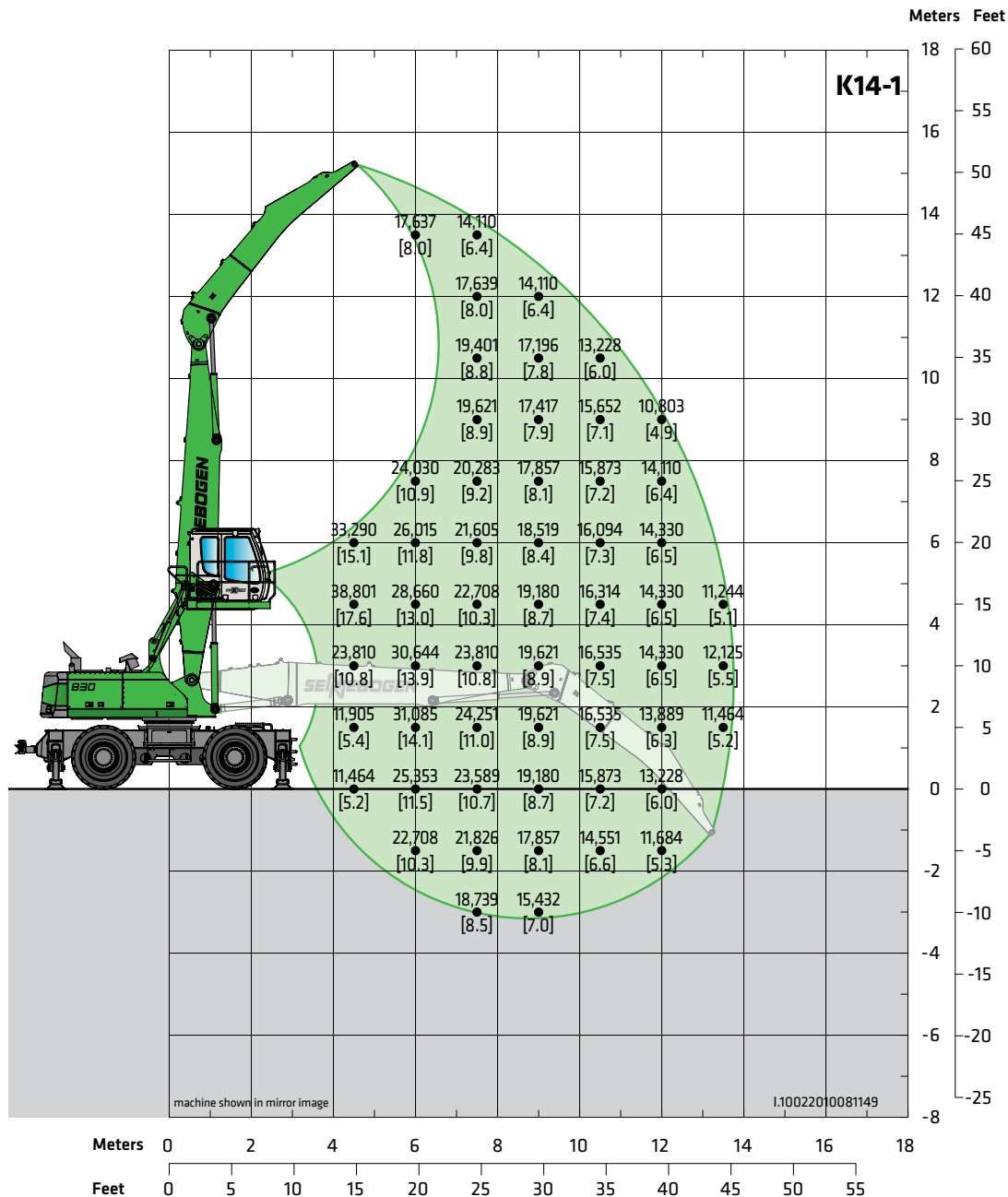
## Operator's Cab

D270 maXCab
8'10" (2.7 m) hydraulic elevating
eye level 19'8" (6.0 m)

*Lift capacities are equal for M-HD-S and M-T models*

Lift capacities are stated in pounds. Values in [ ] are stated in metric tons. Indicated figures are based on ISO 10567 and do not exceed 75% or tipping and 87% of hydraulic capacity and machine standing on firm, level supporting surface. Loads are valid for 360° with standard grousers and fully extended tracks. Lifting capacities do not include working equipment such as orange peel grapples, magnets, clamshells, etc. The load point is the center line of the attachment pivot mounting pin on the stick. Their weights must be deducted from the numbers indicated in the lift charts. Please contact Sennebogen or your local dealer for optimum attachment selection. The operator / user of the machine should be fully acquainted with the operator's & safety manual provided by Sennebogen. Capacities apply only to the machine as originally manufactured and equipped by Sennebogen.





### Working Equipment

K14	45'1" (13.7 m) reach
boom	26'11" (8.2 m)
stick	19' (5.8 m)
boom pos.	I

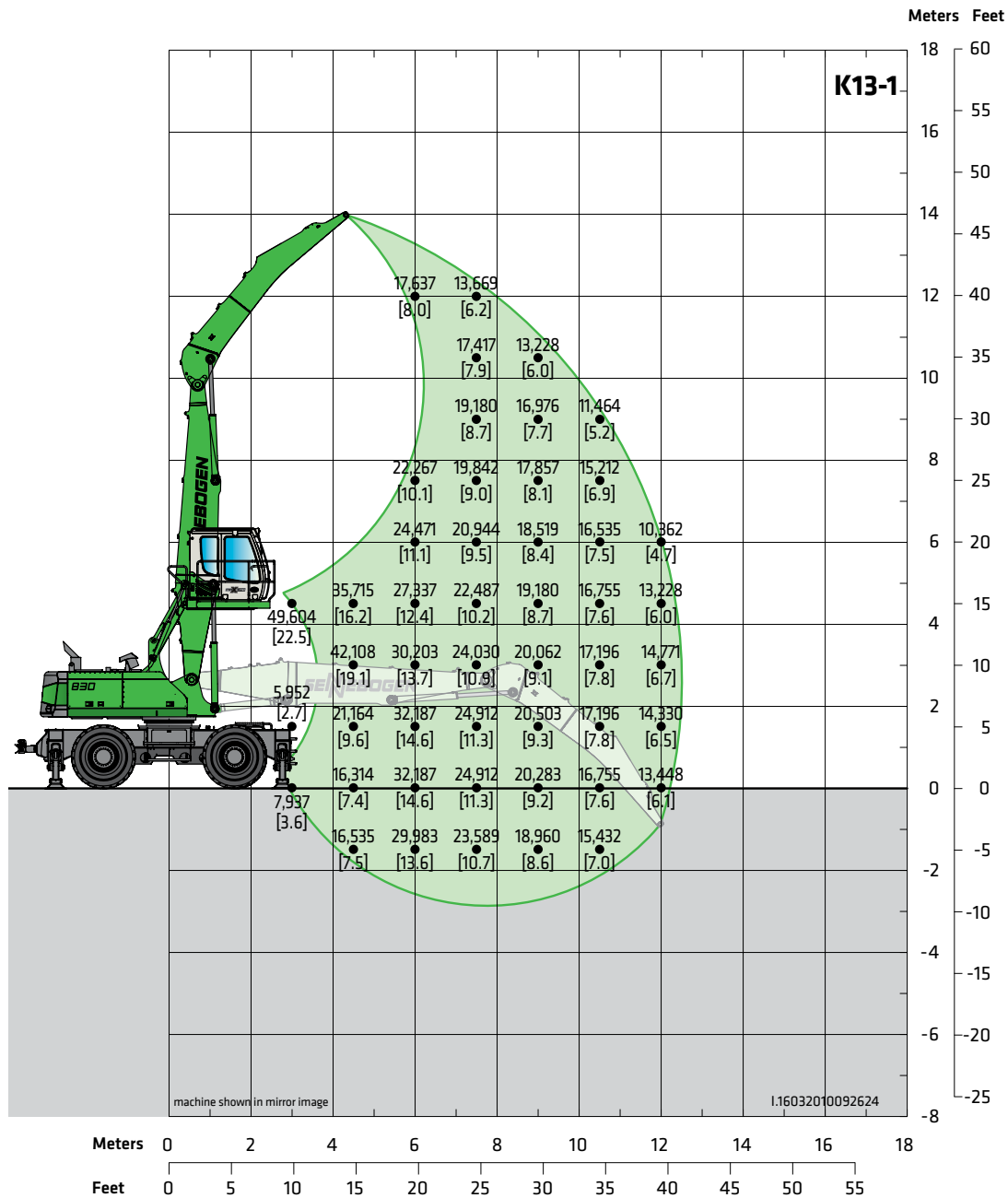
### Operator's Cab

D270 maXCab
8'10" (2.7 m) hydraulic elevating
eye level 19'8" (6.0 m)

*Lift capacities are equal for M-HD-S and M-T models*

Lift capacities are stated in pounds. Values in [ ] are stated in metric tons. Indicated figures are based on ISO 10567 and do not exceed 75% or tipping and 87% of hydraulic capacity and machine standing on firm, level supporting surface. Loads are valid for 360° with standard grousers and fully extended tracks. Lifting capacities do not include working equipment such as orange peel grapples, magnets, clamshells, etc. The load point is the center line of the attachment pivot mounting pin on the stick. Their weights must be deducted from the numbers indicated in the lift charts. Please contact Sennebogen or your local dealer for optimum attachment selection. The operator / user of the machine should be fully acquainted with the operator's & safety manual provided by Sennebogen. Capacities apply only to the machine as originally manufactured and equipped by Sennebogen.

# 830 M-T / M-HD-S "D"



## Working Equipment

K13	41' (12.5 m) reach
boom	23'7" (7.2 m)
stick	18' (5.5 m)
boom pos.	I

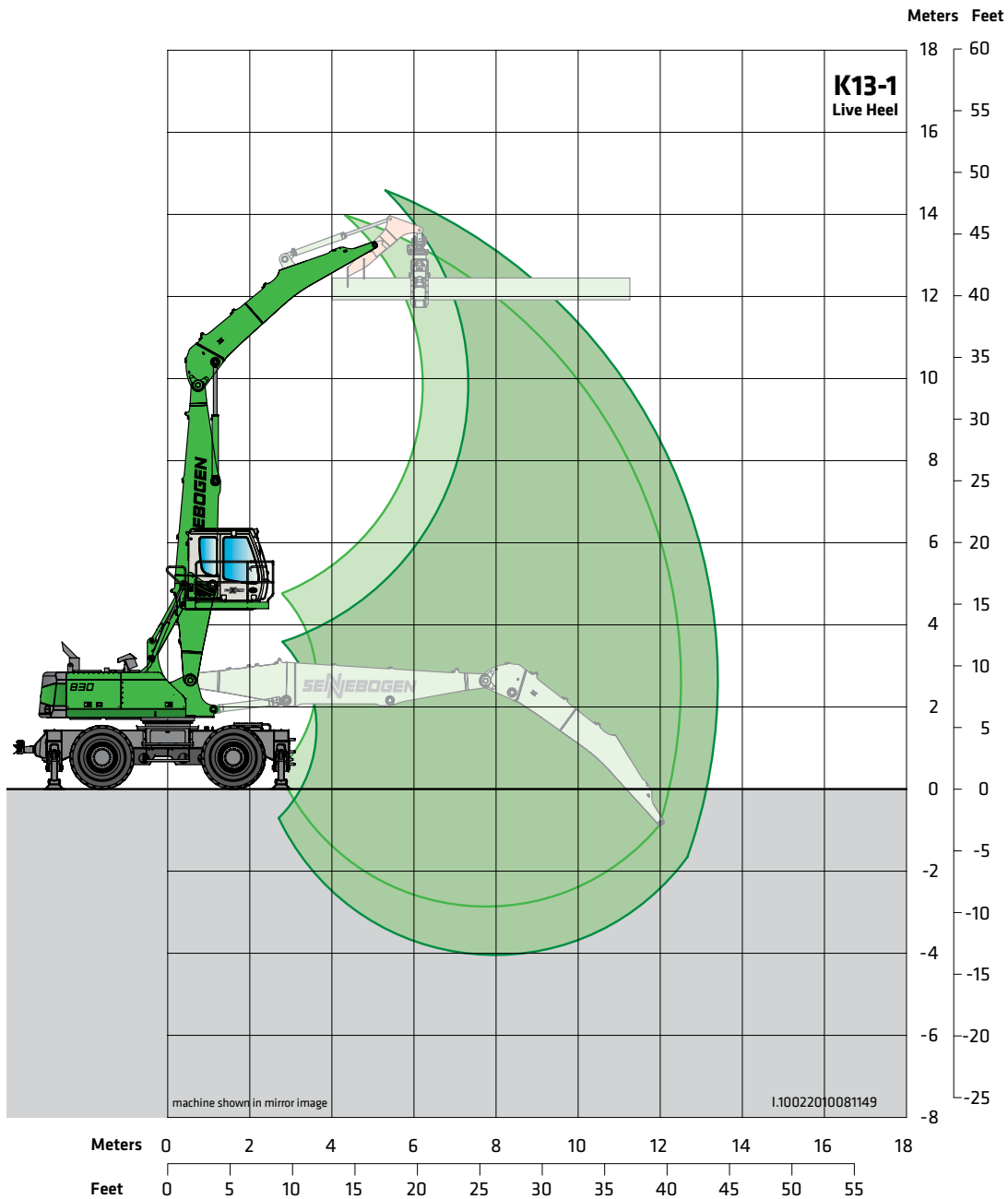
## Operator's Cab

D270 maXCab
8'10" (2.7 m) hydraulic elevating
eye level 19'8" (6.0 m)

*Lift capacities are equal for M-HD-S and M-T models*

Lift capacities are stated in pounds. Values in [ ] are stated in metric tons. Indicated figures are based on ISO 10567 and do not exceed 75% or tipping and 87% of hydraulic capacity and machine standing on firm, level supporting surface. Loads are valid for 360° with standard grousers and fully extended tracks. Lifting capacities do not include working equipment such as orange peel grapples, magnets, clamshells, etc. The load point is the center line of the attachment pivot mounting pin on the stick. Their weights must be deducted from the numbers indicated in the lift charts. Please contact Sennebogen or your local dealer for optimum attachment selection. The operator / user of the machine should be fully acquainted with the operator's & safety manual provided by Sennebogen. Capacities apply only to the machine as originally manufactured and equipped by Sennebogen.





### Working Equipment

K13 Live Heel	43'11" (13.4 m) reach
boom	23'7" (7.2 m)
stick	18' (5.5 m)
boom pos.	I

### Operator's Cab

D270 maXCab
8'10" (2.7 m) hydraulic elevating
eye level 19'8" (6.0 m)

*Lift capacities are equal for M-HD-S and M-T models*

## Standard (✓) / Optional (○) Equipment

### Engine

Water separator in fuel line .....	✓
Automatic idle control .....	✓
Eco mode .....	✓
Auto reversible radiator/cooler fan .....	✓
Double element air filter .....	✓
Muffler .....	✓
Visual fuel tank check .....	✓
Pre-Cleaner for air filter .....	○
Water separator w / heater element .....	○
Engine block pre-heater (electric) .....	○
Electric refueling pump .....	○

### Hydraulic

Pilot pressure controlled main variable displacement hydraulic pump .....	✓
Thermostatically controlled cooling system .....	✓
Centralized hydraulic test ports .....	✓
3 micron HydroClean filtration .....	✓
Load sensing hydraulic system .....	✓
Optimized Hydraulic pump regulation (GLR) .....	✓
Visual hydraulic tank check .....	✓
Hydraulic tank pre-heater (electric) .....	○
Biodegradable hydraulic oil .....	○
Hydraulic circuit for slasher .....	○
Additional hydraulic circuits .....	○

### Upper Carriage

Anti slipmats on walking area .....	✓
Lockable side doors .....	✓
Handrails on top .....	✓
2 cameras with 115° view angle (view to rear & right side of machine) .....	✓
Battery disconnect switch .....	✓
Centralized fuse box .....	✓
Fire extinguisher .....	✓
Turning signals .....	✓
Additional light package .....	○
Customer colors .....	○

### Operators Cab (maXCab)

Multi adjustable, air suspended operator seat .....	✓
Seat heater .....	✓
Automatic climate control (heater / AC) .....	✓
Air outlets w / defroster .....	✓
Storage area for lunch box .....	✓
Fire extinguisher .....	✓
Tinted windows w / safety glass .....	✓
Door window as sliding window .....	✓
AM / FM Radio w / CD player & speakers .....	✓
Display / Monitor for camera system .....	✓
Removable floor mat .....	✓
SDS diagnostic display .....	✓
Tilt out front window .....	✓
Halogen light package on roof .....	✓
Mechanical hour meter .....	✓
Sliding door .....	✓
Catwalk w / handrail .....	✓
12 V / 24 V power outlet .....	✓
Windshield wiper and washers .....	✓
Emergency exit hammer .....	✓
Safety lever .....	✓

Sun shades .....	✓
Interior lighting .....	✓
Rain cover over front window .....	✓
Outside mirror .....	✓
Optical and acoustic warning system .....	✓
Positive filtered ventilation .....	✓
Hydraulic elevating cab D270 .....	✓
SDS diagnostic system .....	✓
Safety check valve cab elevating cylinders .....	✓
Foot rest .....	✓
Tiltable steering column (M) .....	○
Windshield protection guard .....	○
Skylight protection guard .....	○
Skylight FOPS guard .....	○
Additional light package .....	○
Bullet proof windshield .....	○
Bullet proof skylight .....	○
Polycarbonate side windows .....	○
Hydraulic up and out cab D300/260 .....	○
Operators cab w/floor window .....	○
Joystick / steering column combination .....	○
Fixed elevating cab .....	○

### Undercarriage

Drive train protection guards .....	✓
Heavy duty axles .....	✓
Travel alarm .....	✓
Centralized lubrication points .....	✓
Tool and storage compartments, lockable .....	✓
Oscillating front axle .....	✓
2 circuit servo brake system .....	✓
Protection guard outrigger cylinders .....	✓
Safety check valves outrigger cylinder .....	✓
Automatic unlock of oscillating axle (upper longitudinal to under carriage) .....	✓
Pneumatic Tires .....	✓
Individual outrigger control .....	✓
Large outrigger pads to decrease ground pressure .....	○
Towing hitch package .....	○

### Working Equipment

Purpose built material handling boom .....	✓
Purpose built material handling stick .....	✓
Grapple open / close / rotate circuit w / ball valves .....	✓
Boom position I .....	✓
Safety check valves boom cylinders .....	✓
Safety check valves stick cylinders .....	✓
Cylinder end position dumping .....	✓
Boom hoist limitation .....	✓
Stick in limitation .....	✓
Different reach packages .....	○
Additional light package boom/stick .....	○
Reversing mechanism stick (ULM) .....	○
Live heel stick .....	○
Dead heel stick .....	○

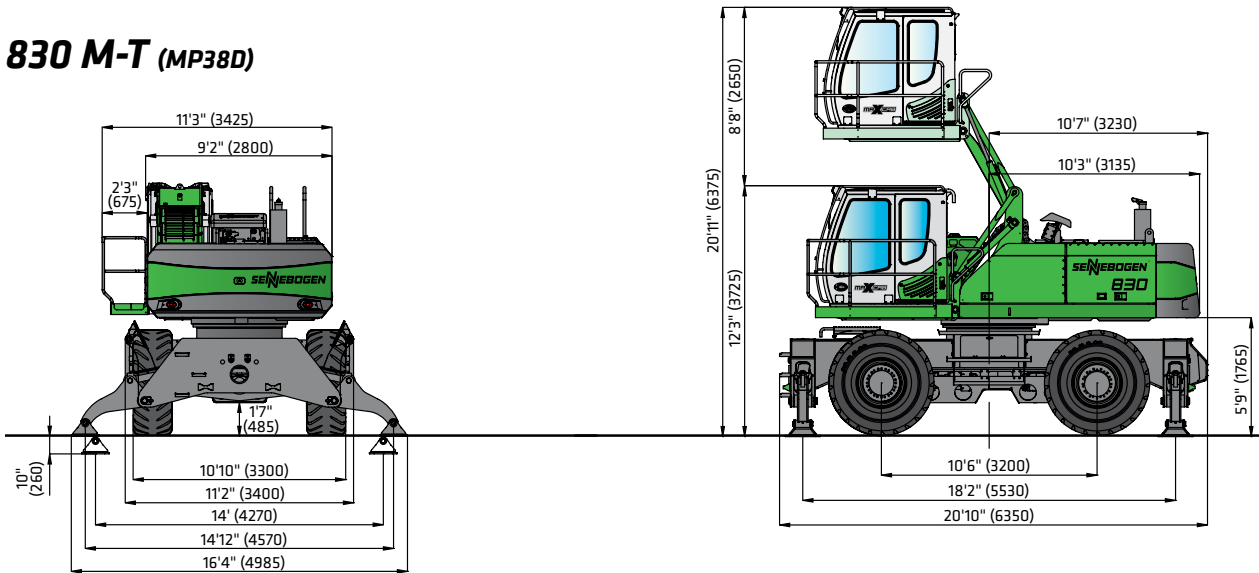
### Attachments

Butt'n top grapple .....	○
Power attachment .....	○
Log grapple .....	○

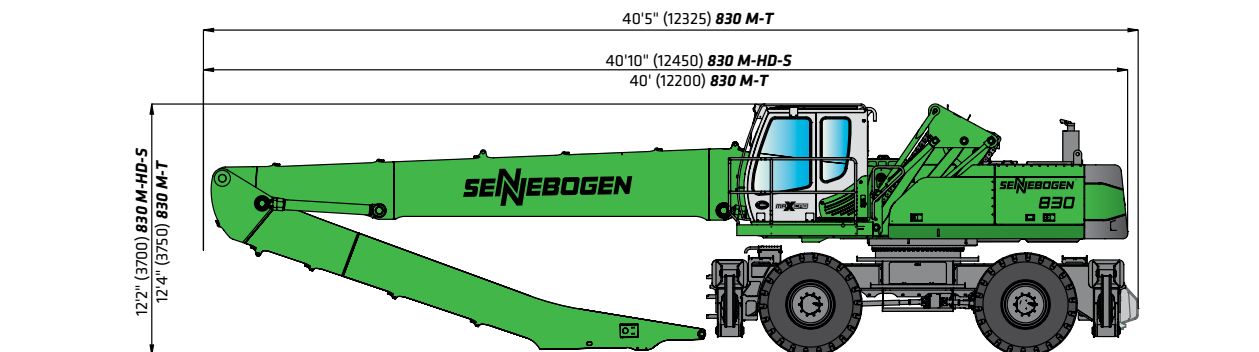
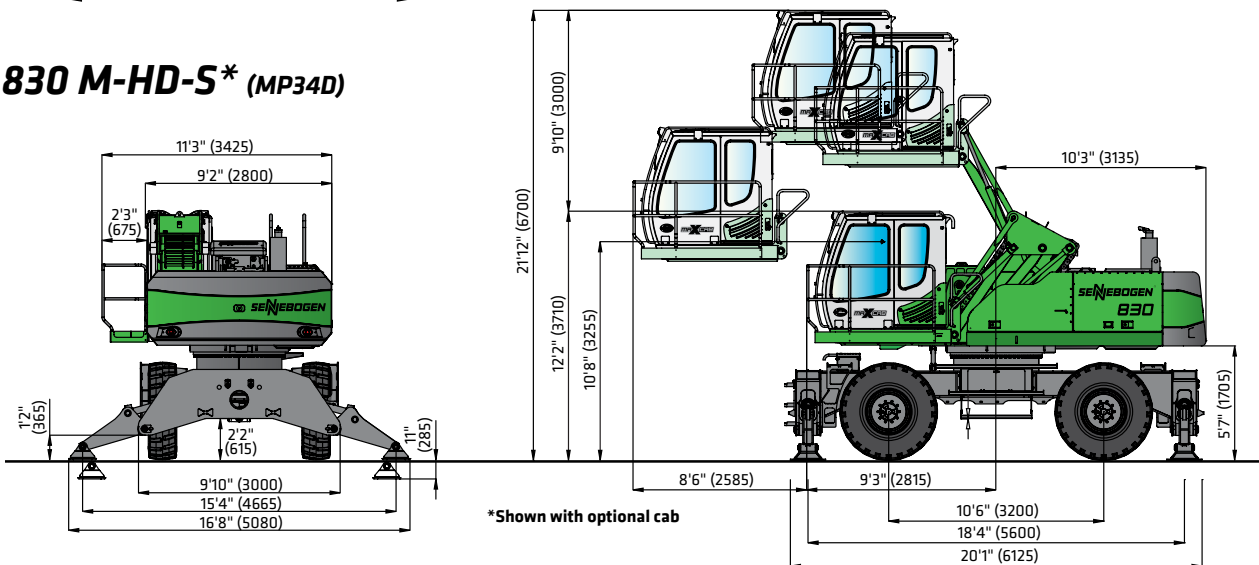


## Machine Dimensions

### 830 M-T (MP38D)



### 830 M-HD-S\* (MP34D)



# 830 M-T / M-HD-S "D"

make your competition ...

*"Green With Envy"*



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