

T308E

ELECTRIC
MATERIAL
HANDLER



75 YEARS OF EXPERIENCE,
A DRIVING FORCE,
DESIGNED FOR THE FUTURE

TABARELLI





T308E

ELECTRIC MATERIAL HANDLER

Pure energy by your side



Mode 1 > Power saving

When this function is enabled, the material handling machine is set to a low rpm value to consume as little energy as possible. Therefore, its movements will be slower but more accurate.

The power saving mode is suitable for belt loading, hopper filling or mid-air loading. In this way, the battery life will be extended as far as possible.

Mode 2 > Balanced consumption

When this function is enabled, the material handler's energy consumption is optimised and all the movements, from travel to boom operation, are balanced. In this mode, the working speed is enough to carry out all the intended operations, from truck loading to ground sorting and walking floor loading. Mode 2 means maximum efficiency.

Mode 3 > High performance

When this function is enabled, the material handler is set to max.

Power; the hydraulic system and the batteries provide the maximum possible yield disregarding the consumption, while ensuring at the same time the required power and speed. Mode 3 sets the material handler's performance to 100% of its capacity.

OPERATION IN 3 WORKING MODES:

- SLOW AND PRECISE,
- MEDIUM SPEED WITH BALANCED CONSUMPTION,
- SWIFT, HIGH PERFORMANCE.

More than **75 years of experience** in the design and manufacture of wheeled **material handlers** for the collection and handling of ferrous scrap, metals and industrial waste is the best guarantee of a proven historical reliability.

All our material handlers have been designed and manufactured to ensure: great ease of use, low maintenance and **high production performance**.



HIGH EFFICIENCY BY YOUR SIDE → POWER ENERGY

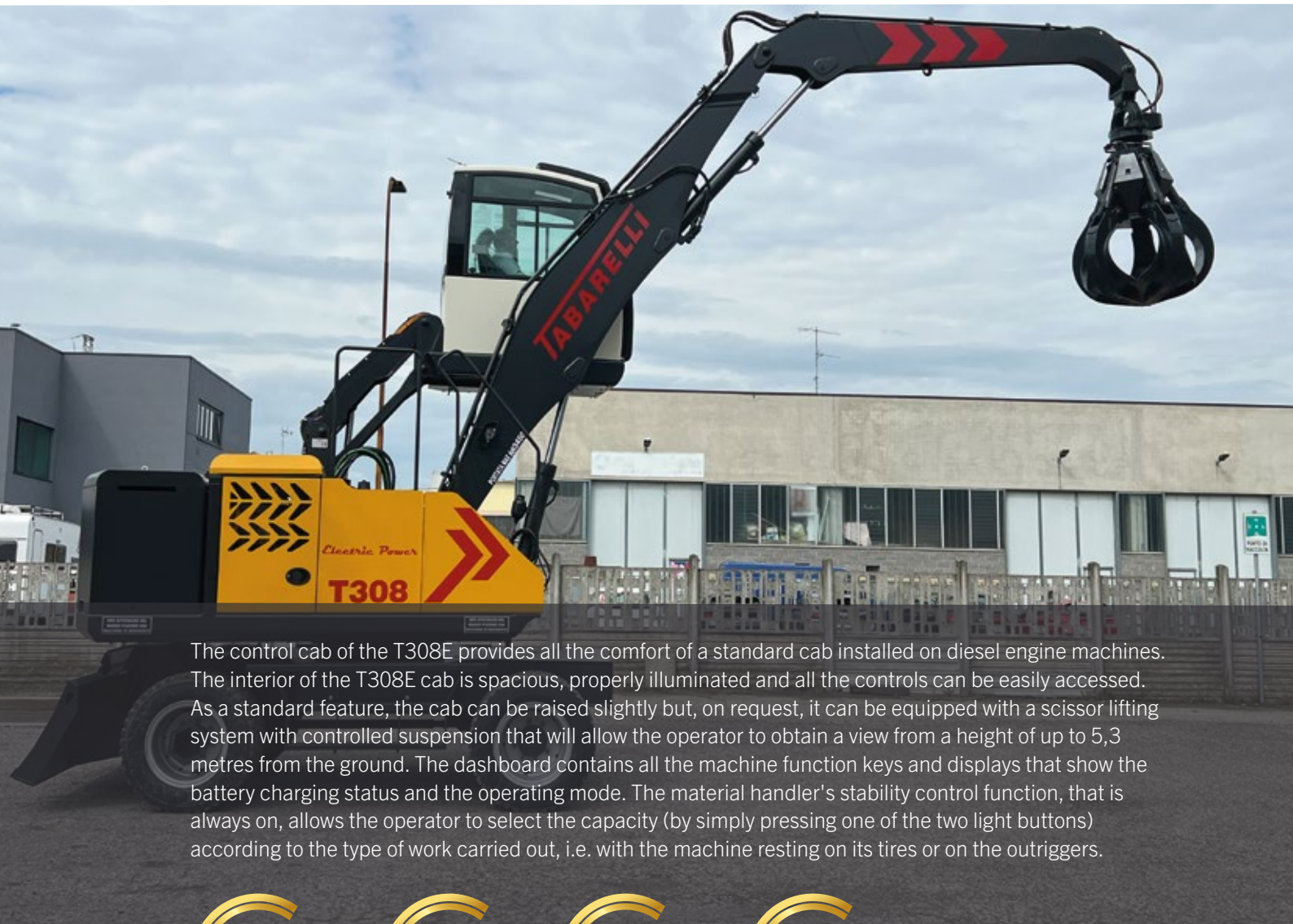
High driving charge

The T308E material handler is powered by 2 batteries housed in special compartments placed at the back of the swing drive that acts as a counterweight. The 960Ah/80V batteries are connected in parallel and are equipped with voltage reducers for the auxiliary circuits.

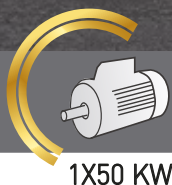
Two electronic Inverters control the motor that drives the main hydraulic pump and the auxiliary pump. Two high-frequency electronic battery chargers included, with high charging efficiency.



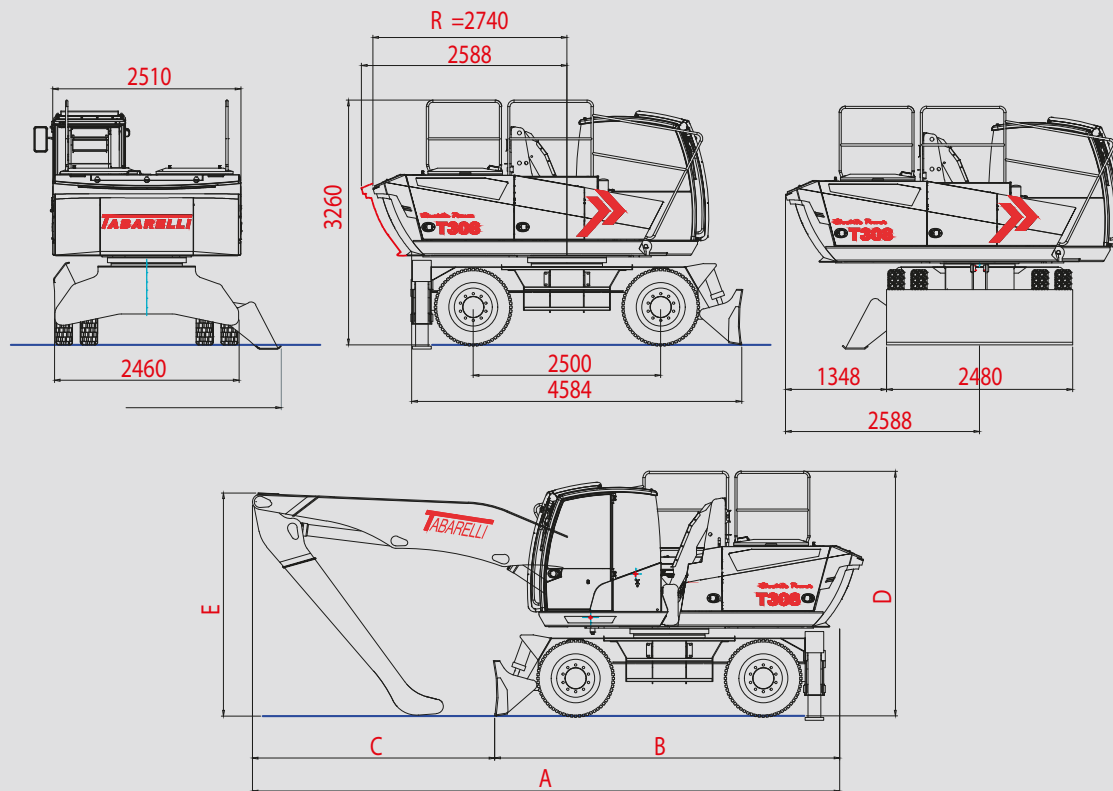
DRIVING FORCE → CONTROL AND COMFORT



The control cab of the T308E provides all the comfort of a standard cab installed on diesel engine machines. The interior of the T308E cab is spacious, properly illuminated and all the controls can be easily accessed. As a standard feature, the cab can be raised slightly but, on request, it can be equipped with a scissor lifting system with controlled suspension that will allow the operator to obtain a view from a height of up to 5,3 metres from the ground. The dashboard contains all the machine function keys and displays that show the battery charging status and the operating mode. The material handler's stability control function, that is always on, allows the operator to select the capacity (by simply pressing one of the two light buttons) according to the type of work carried out, i.e. with the machine resting on its tires or on the outriggers.



DIMENSIONS



dimensions mm	7,5 m Version	8,2 m Version	9,0 m Version
A	7620	7920	7720
B	4600	4600	4600
C	3020	3320	3120
D	3260	3260	3260
E	2770	3285	2980

EQUIPMENT

> STANDARD

- > Radio with loudspeaker
- > 5 LED lights
- > Front blade
- > 4-wheel drive
- > 2-speed gearbox
- > Electric steering system
- > Super-elastic solid tires
- > Intermediate rubber rings
- > Two-pieces boom with secondary one monolithic, total length 7,5 m
- > Hydraulic lifting cab

< OPTIONAL

- < Rear outriggers
- < Pantograph lifting system.
- < Two- pieces boom with secondary one monolithic, total length 8,2 m
- < Two- pieces boom with secondary one monolithic, total length 9 m
- < Boom with hydraulic extension total length 7.5 m
- < Air conditioning with air-prefiltering

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7,5 m

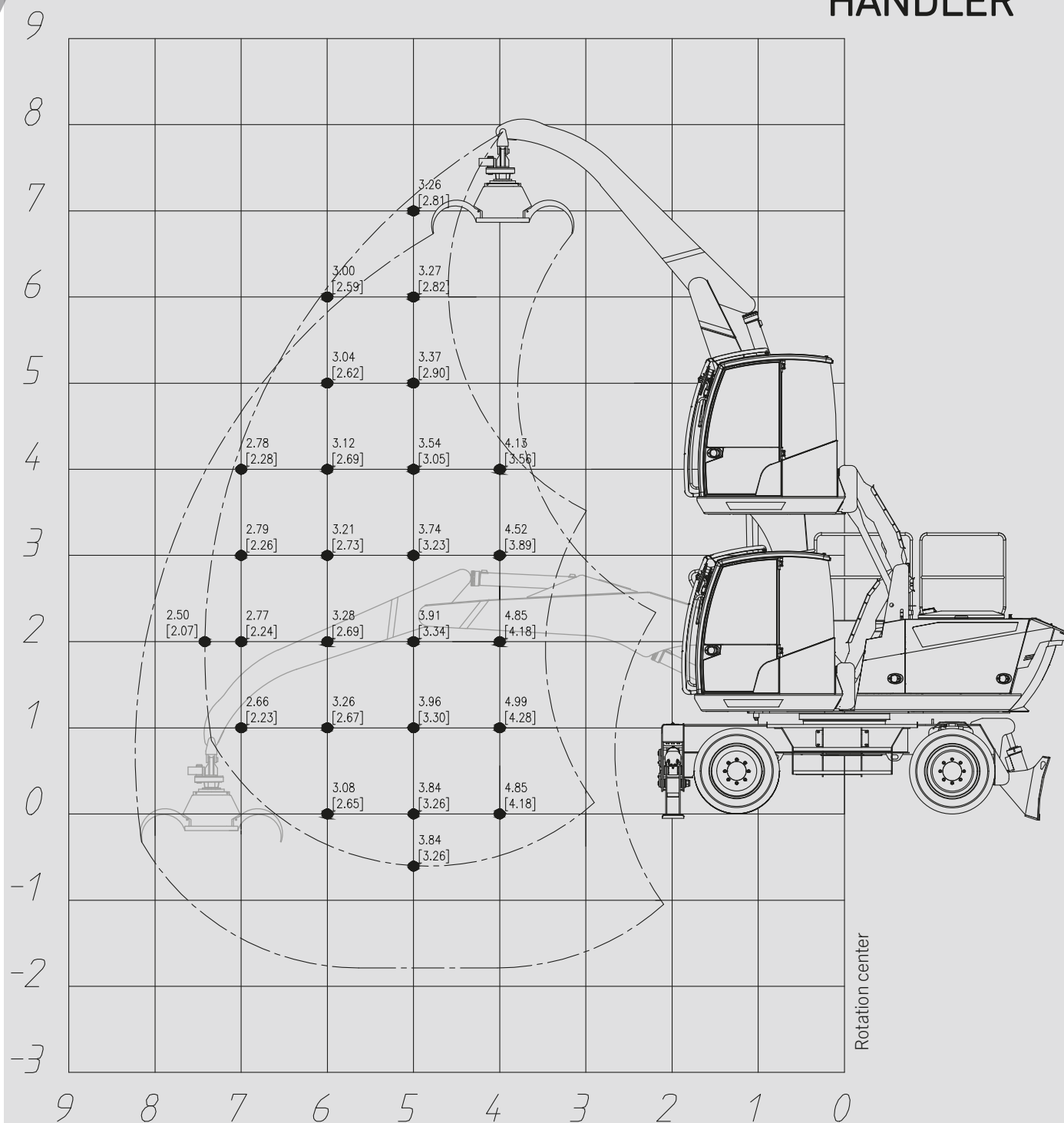


DIAGRAM OF MOVEMENTS

All load values are specified in tonnes (T) and apply at the end of the half-boom, without any gripping device installed, on firm, level ground. The values indicated correspond to 75% of the tipping load or 87% of the hydraulic lifting force, according to ISO 10567. The load ratings in brackets [], with a locked swing axle, refer to a stabilisation set-up on tyres (with stabilisers raised) and 360° turret rotation.

NOTE: Data and weights are indicative and not binding: Tabarelli reserves the right to make any modifications it deems appropriate.

T308E

ELECTRIC MATERIAL HANDLER



8,2 m

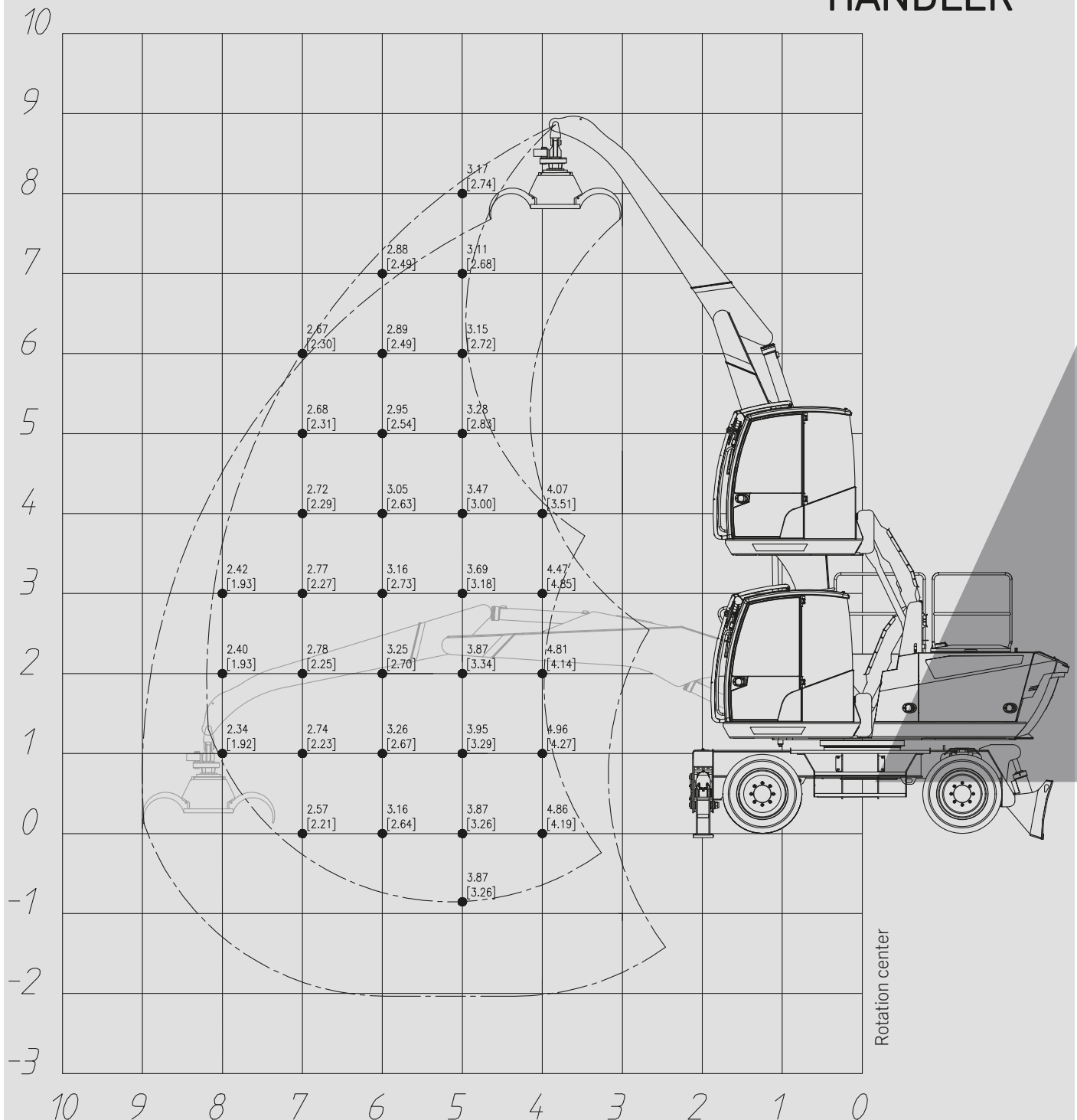


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9,0 m

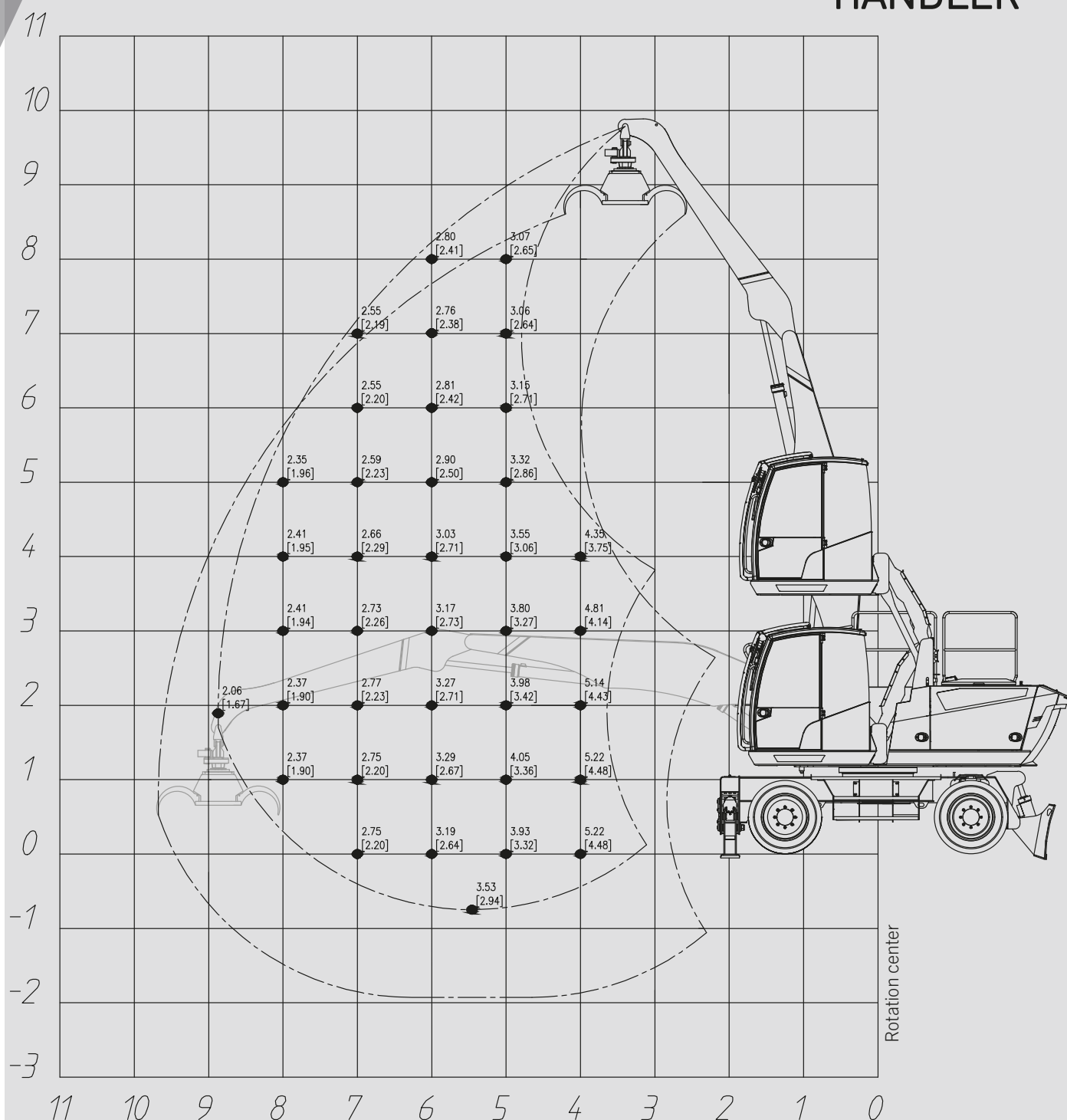


DIAGRAM OF MOVEMENTS

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TECHNICAL SPECIFICATIONS

MOTOR

Type	Electric motor with alternating current power of 1X50kW
Batteries	2x960Ah - 80V
Motor speed (RPM) adjustment	selector switch with 4 operating modes

HYDRAULIC SYSTEM

Main pump	variable displacement axial-piston pump
Delivery rate	180 l/min
Max operating pressure	280 Bar
Adjustment	Electro-hydraulic controls
Heat exchanger	water/oil element side by side with by-pass valve
Filtering	partial return to the tank
Hydraulic tank capacity	215 l

SLEWING DRIVE

Engine	with axial pistons
Gearbox	The gearbox is comprised of two stages of planetary systems
Slewing ring	double-row ball bearing slewing ring, made of special steel with hardened inner gear
Slewing speed	0-8 rpm

CAB

Operator's Cab	spacious and comfortable, heated, soundproofed, with hydraulic pantograph lifting system. Working position with a view up to 4,3 meters height from the ground. Front grille guard and n. 5 LED work lights
Drive	Hydraulic drive with steering wheel or with electric control
Seat	"GRAMMER" "gran comfort" with 6 settings and weight-adjustable suspension
Dashboard	Wide colour display with text and graphic symbols to control the main machine functions, alarms and data.
Main cross-motion servo-controls	multifunction armrest with cross joystick
Shift	2-levers pedal
Auxiliary Movements Control	electric-hydraulic

UNDERCARRIAGE

Shifting	hydraulic axial piston motor with starting and braking control valve
Drive	2-speed transmission with electro-hydraulic control
Axles	Four-wheel drive with strong steering axles and planetary gearbox in the hubs. Steering and oscillating front axle with integrated hydraulic locking
Rims	6.50/20 with 8 holes
Tires	8 super-elastic solid tyres 8.25/20
Brake	parking brake
Speed	Stage I: 0-3 km/h Stage II: 0-12 km/h
Outriggers	2-point, rear
Blade	1-front blade with stabilizer function

BOOM
Structure made of high-strength steel, in 2 elements with secondary monolithic
Length from 7.5 to 9 meters optional
Bushings and pins made of special steel for concrete
Cylinders single cylinder on 1st and 2nd boom with hydraulic brake

WEIGHT about 19 ton in working order

RECOMMENDED EQUIPMENT Grab for waste model **RR560 with 5 blades**
Grab for scrap model **RV320 with 6 blades**

SOUND LEVEL **NOISE REDUCTION** (Dir 2000/14/CE - 2005/88/CE)
Sound pressure level at driving position LpA 77 dB (A)

MOVEMENT METER **MACHINERY DIRECTIVE** (Dir 2006/42/CE)
Electronic monitoring device for the stability of the machine according to the loads moved and their position with warning of danger by means of acoustic and light signals, blocking of movements upon reaching of stability limits.

The manufacturer reserves the right to make changes to the products or their specifications.

→ T308E

ELECTRIC POWER



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