TEREX® | FUCHS

Loading machines | Stationary Loading Machines

Stationary Loading Machines AHL 820 - 860

THE PERFECT SOLUTION FOR OPTIMAL LOADING PERFORMANCE

- Minimal operating and maintenance costs
- Optimal handling performance
- Reliable electrical motor for fail safe operations
- No dangerous exhaust emissions – minimal noise pollution
- Safe and simple operation with perfect stability

AHL 820

AHL 860

OUTSTANDING LOADING PERFORMANCE

thanks to powerful, sensitive hydraulics and a precise coordination of specific project positioning, job at hand, attachment and matching working tools

INDIVIDUAL SOLUTIONS FOR MACHINE CONTROL

- driver‘s cab with excellent panorama view
- cable remote control
- radio remote control

EASY AND FAST ACCESS

easy access via tower,
convenient ascent via walkways

OPTIMAL WORKING HEIGHT

Installation type and height are individually adjustable to suit the project.

- Base plate integrated in concrete tower
- TEREX Fuchs steel tower in modular design

STABLE PERFORMANCE
MINIMAL COSTS

PERFECT VIEW OF THE WORK AREA

- thanks to hydraulic cab featuring vertical and horizontal advance in the AHL 860
- thanks to elevated cab in the AHL 820 (available in 50-cm increments at specific project height)

POWERFUL ELECTRIC MOTOR

for disruption-free operations

- no interruptions for refilling tanks
- no costs for motor oil
- no time-consuming maintenance of coolers or filters

EASY MAINTENANCE

thanks to very good accessibility, central lubrication with optimized lubrication cycles and longlife bearings, minimal lubricant consumption owing to perfect dosage

OPTIMAL STABILITY

thanks to stationary mounting on concrete or steel tower; elastic bearings for optimal smooth running

Machine may feature special equipment!

EFFICIENT, ROBUST AND RELIABLE

PRACTICAL SOLUTIONS FOR MAXIMUM EFFICIENCY

Stationary loading machines built by TEREX Fuchs are systematically geared toward economic operation and exceptional reliability. Wherever the specific job for a loading machine is reduced to its basic function, a mounted stationary unit in the AHL series offers outstanding performance and proverbial dependability in materials handling, as might be expected from TEREX Fuchs.

Since most stationary loading machines are deployed to feed processing plants, like shredders, scrap shears and presses, the available electric energy supply can normally be used for operating the machine.

The use of powerful electric motors offers a whole host of advantages in this respect. First of all, there are no higher costs for an expensive diesel engine or a corresponding cooling system. Maintenance outlays for the electric system are much lower by comparison, since neither motor oil nor cooling liquids need be monitored or refilled. Time-consuming cleaning of oil and air filters is not required either.

Overall, electric power is also decidedly eco-friendly, since operations produce neither exhaust fumes nor loud fan noise.
Nor have any compromises whatsoever been made in the loader‘s ease of operation. The roomy fully equipped driver‘s cab with ultra-modern control facilities, like additional video monitoring, offers every opportunity for safe, productive and stress-free work.

MAXIMUM AVAILABILITY WITH OPTIMAL OPERATING COSTS

The design of TEREX Fuchs stationary loading machines confirms yet again the familiar remark that, very often, ‚less' can be ‚more'.

Boasting an exceptionally sturdy design that is not susceptible to breakdowns, stationary loading machines set a standard of their very own in materials handling thanks to their high continuous availability and extremely low operating costs.

Concentrating on the basic functions of a handling unit permits systematic planning of the entire design to the actual application: optimal loading performance coupled with max. deployability.

The electric drive makes annoying downtimes for fuel-filling as superfluous as time-consuming changes of oil or filters.

An automatic central lubrication system is in continuous operation to ensure a perfect supply of all lubrication points and a precise dosage of the grease quantities. Optimized lubrication intervals guarantee high life cycles for all bearings, the slewing ring and all gears.

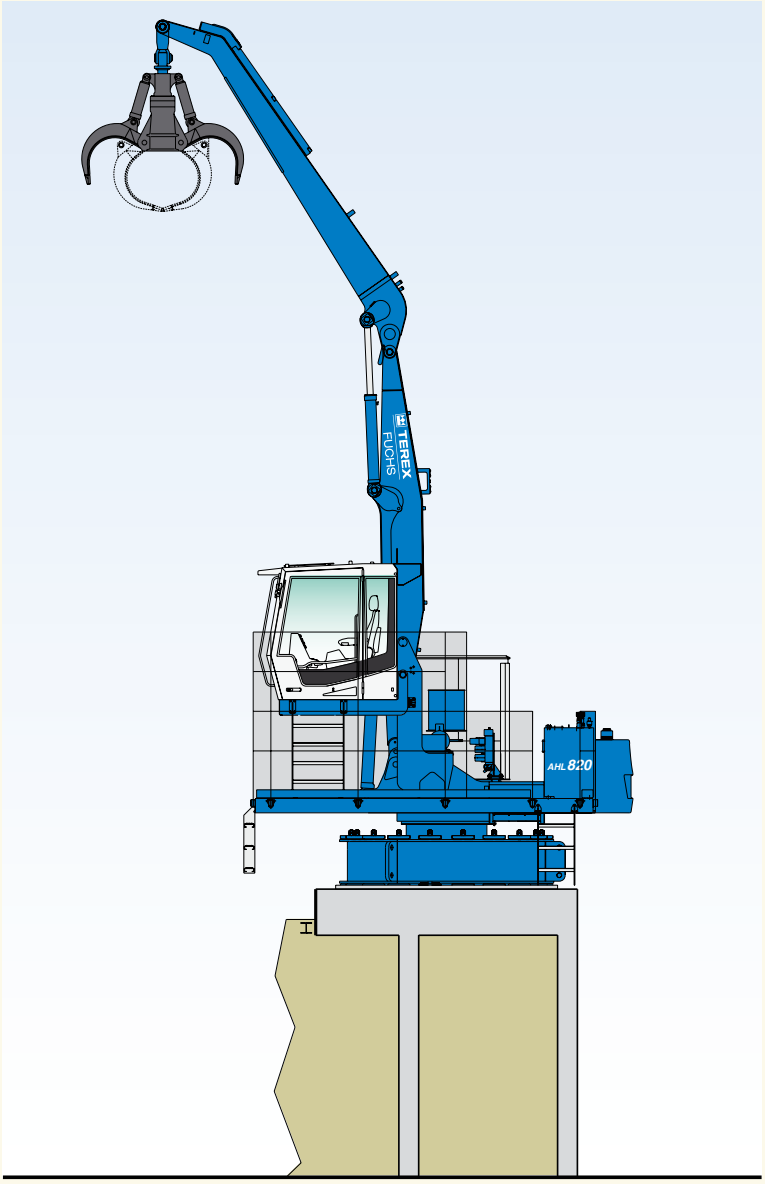
Safe operations are ensured by a thermostatically controlled hydraulic cooler with electric drive and 100% return-oil filtering. This reduces failure-proneness to a minimum and makes routine service work that much easier. With a minimum service life of 3,000 operating hours, maintenance outlays for the system are extremely low.

TECHNICAL DATA

AHL 820/860

SPECIFICATIONS

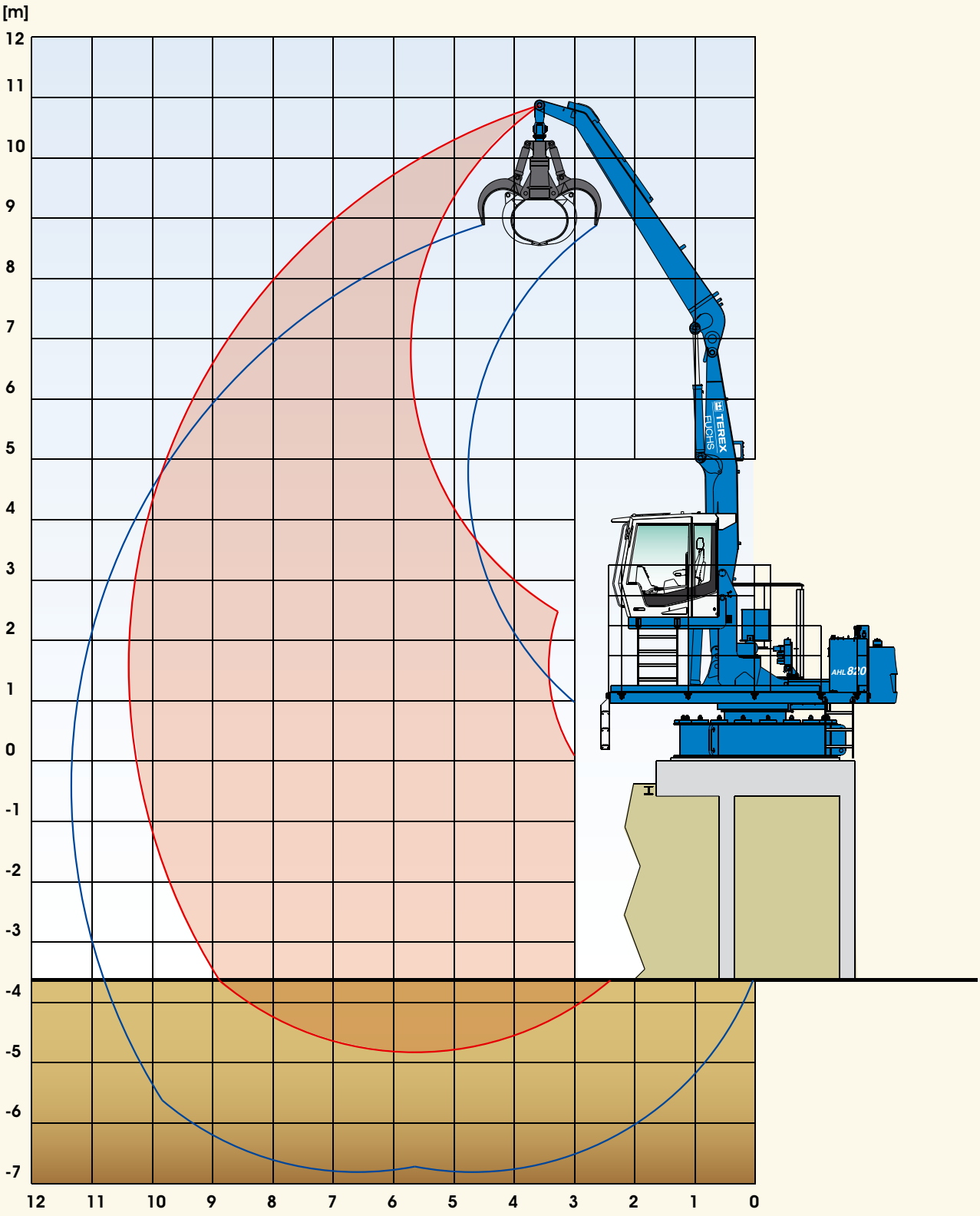
Model	AHL 820	AHL 860
Main electric drive	55 KVA	110 KVA
Power output machine overall	80 KVA	150 KVA
max. Reach	9.5 m	16.5 m / 18.0 m
Lifting capacity at max. Reach	3.1 t	3.7 t/3.0 t
Machine weight	11.0-14.0 t	35.0-39.0 t



TECHNICAL DATA

AHL 820

WORKING RANGE

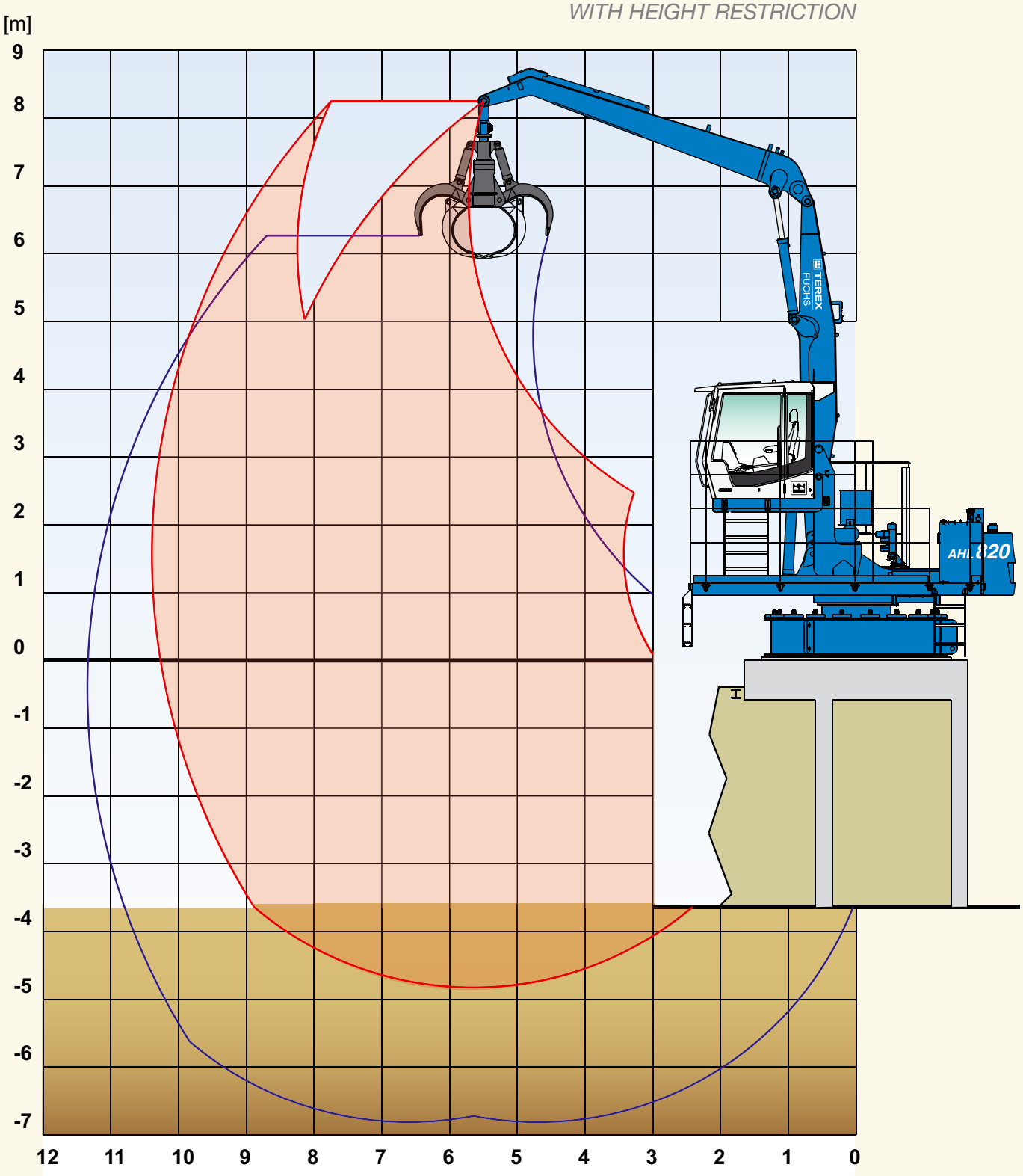


TECHNICAL DATA

AHL 820

WORKING RANGE

WITH HEIGHT RESTRICTION



TECHNICAL DATA

AHL 820

LIFTING CAPACITIES

AHL 820 with box-type boom 5.2 m • Dipperstick 5.0 m									
Height m	Reach in m								
	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.4
10.5		5.2							
10.0			4.7						
9.0				4.6					
8.0				4.6	4.3				
7.0				4.4	4.2	3.9			
6.0				4.5	4.2	3.9	3.6		
5.0				4.6	4.3	3.9	3.6		
4.0				4.8	4.4	4.0	3.6	3.1	
3.0			5.9	5.2	4.6	4.1	3.7	3.2	
2.0		8.2	6.6	5.5	4.8	4.2	3.7	3.2	2.9
1.0		9.3	7.1	5.8	4.9	4.2	3.6	3.1	2.8
0		9.8	7.4	6.0	5.0	4.2	3.5	2.9	
-1.0	3.9	9.6	7.3	5.9	4.8	4.0	3.3	2.5	
-2.0	4.2	8.0	6.9	5.5	4.5	3.7	2.9		
-3.0	4.8	7.5	6.0	4.8	3.9	3.1	2.2		
-4.0	5.5	5.7	4.7	3.8	3.0	2.2			

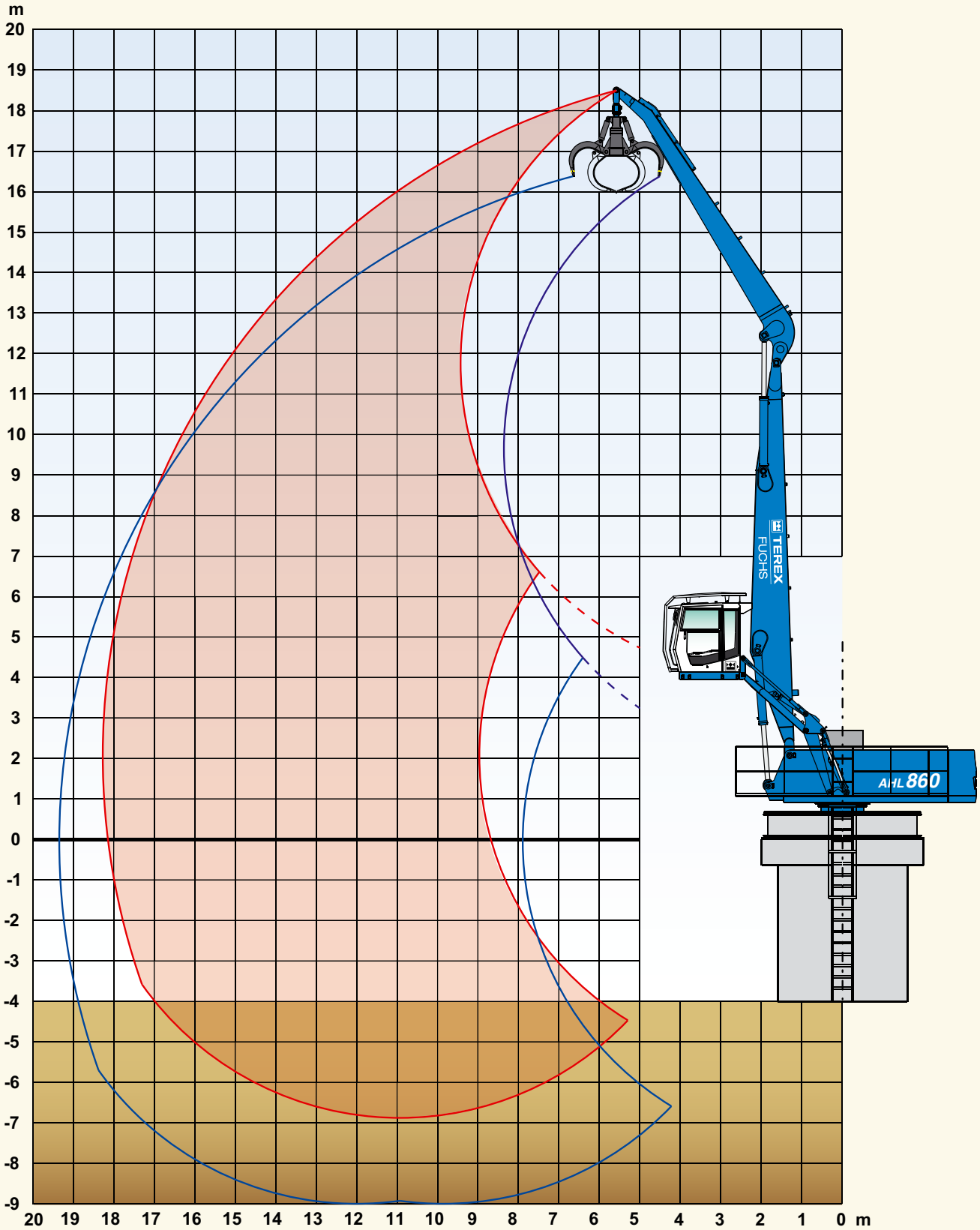
*** values limited by hydraulic force**

All lifting capacities are stated in tons (t). The pump pressure is 360 bar (5220 psi). Pursuant to ISO 10567, lifting capacity is 75% of the static tipping load or 87% of the hydraulic lifting force. On solid and level ground, these values apply to slewing operations through 360°.
The weights of any attached load-hoisting implements (grab, magnet, load hook, etc.) must be deducted from the carrying-capacity values. Pursuant to the CE directive, hoisting operations require hose rupture safety valves and an overload warning device.

TECHNICAL DATA

AHL 860

WORKING RANGE



TECHNICAL DATA

AHL 860

LIFTING CAPACITIES

AHL 860 with box-type boom 9.7 m • Dipperstick 7.6 m										
Height m	Reach in m									
	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0
18.0			7.7							
16.5				8.3	7.0					
15.0				7.9	7.0	6.3				
13.5					6.8	6.1	5.6			
12.0					6.7	6.1	5.5	5.0		
10.5					6.8	6.1	5.5	4.9		
9.0				7.8	6.9	6.1	5.5	4.9	4.4	
7.5				8.1	7.1	6.2	5.5	4.9	4.4	
6.0			10.1	8.5	7.3	6.4	5.6	5.0	4.4	3.6
4.5			10.9	8.9	7.5	6.5	5.7	5.0	4.3	3.6
3.0			11.6	9.3	7.7	6.6	5.7	4.9	4.3	3.5
1.5			12.0	9.5	7.8	6.6	5.6	4.8	4.1	3.3
0			11.8	9.4	7.7	6.5	5.5	4.7	3.9	3.0
-1.5		4.0	10.0	9.0	7.4	6.2	5.2	4.4	3.5	2.4
-3.0	2.7	4.9	9.5	8.3	6.9	5.7	4.8	3.9	3.0	
-4.5		6.1	8.5	7.2	6.0	5.0	4.1	3.3	2.2	

*** values limited by hydraulic force**

All lifting capacities are stated in tons (t). The pump pressure is 360 bar (5220 psi). Pursuant to ISO 10567, lifting capacity is 75% of the static tipping load or 87% of the hydraulic lifting force. On solid and level ground, these values apply to slewing operations through 360°.
The weights of any attached load-hoisting implements (grab, magnet, load hook, etc.) must be deducted from the carrying-capacity values. Pursuant to the CE directive, hoisting operations require hose rupture safety valves and an overload warning device.

AHL 820 / AHL 860

THE ECONOMIC ALTERNATIVE

Wherever excellent loading performance and continuous availability matter, stationary loading machines from TEREX Fuchs offer an optimal solution for the feeding of processing systems like scrap shears, scrap presses or shredders.

Fixed mounting on a steel or concrete tower and drive by reliable electric motor, guarantee exceptional stability coupled with extremely smooth running and optimal handling performance. The robust and dependable design reduces maintenance outlays to a minimum and permits glitch-free operation even with continuous capacity working.

Depending on the material handled, the plant production rate and the required reach, an optimal solution can be provided from the most varied of configurations.
Besides a whole range of very different attachments and tools, there are various performance stages and models to choose from.

A perfect view of the working area is ensured by the hydraulically adjustable or elevated cab. To optimize work sequences further, the machine can also be operated by remote control or radio.

AHL 820 valid from machine no. 13, AHL 860 valid from machine no. 13

TEREX | FUCHS

TEREX | Fuchs GmbH
Industriestraße 3
76669 Bad Schönborn
Telephone +49 (0)7253.84 0
Fax +49 (0)7253.841 11
Internet: www.fuchs-terex.de
Email: info@fuchs-terex.de

11/2006