



Windrow Turner & Lane Turner

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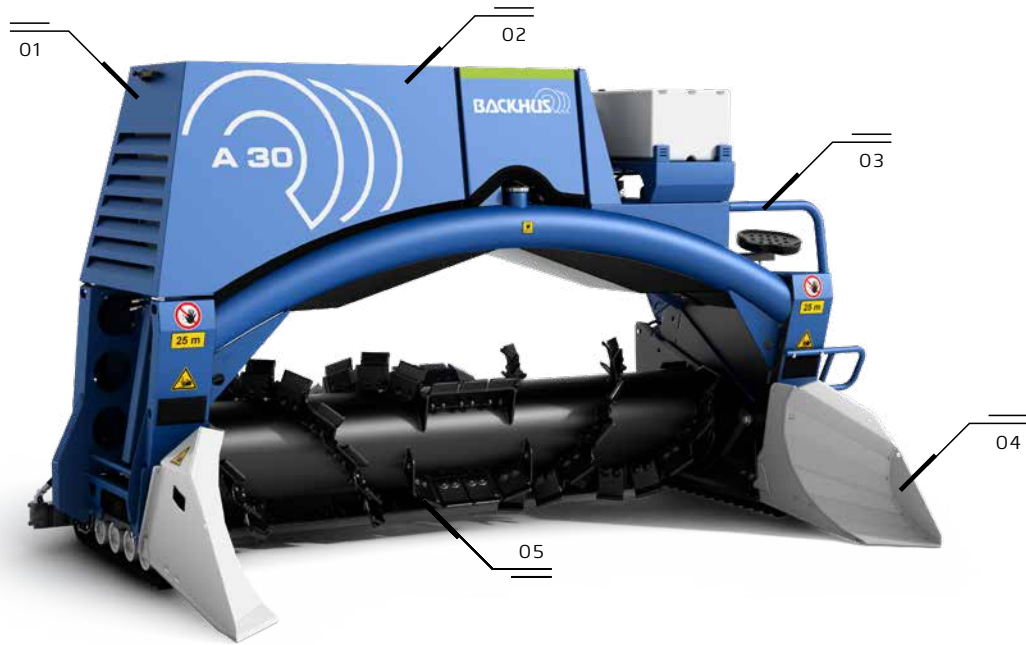
# A 30

## Easy Handling

The BACKHUS **A 30** is a robust, compact and manoeuvrable turner that is easy to operate. It requires little maintenance and provides superior performance. The fully self-propelled BACKHUS **A 30** is easy to transport and assures maximum flexibility. It is ideally suited for use in gardening, landscaping, fruit growing and market gardening sectors as well as for the maintenance of municipal parks and composting farmyard manure.







- |    |                                      |    |                                     |    |                                |
|----|--------------------------------------|----|-------------------------------------|----|--------------------------------|
| 01 | Self-propelled, no tractor necessary | 03 | Intuitive operation by hand control | 05 | Optional: Armoured rotor tools |
| 02 | Easy maintenance                     | 04 | Adjustable track clearers           |    |                                |



- › Heavy-duty, compact design
- › Economical diesel technology
- › Height-adjustable, reversible rotor
- › Fully hydraulic, low-maintenance drive
- › Self-propelled, no tractor necessary - optimal utilization of space available
- › Easy to transport and ready for use in no time at all
- › Turning capacity up to 700 m³/h



# A 38

## Attractive Price- Performance Rati

A proven concept with short payback. The BACKHUS **A 38** is a great value and an ideal entry level machine into professional composting at a very reasonable price. This turner is already one of the most efficient solutions within its class.







- |    |                                 |    |                       |    |                                    |
|----|---------------------------------|----|-----------------------|----|------------------------------------|
| 01 | Ground adjusting track clearers | 02 | Electronic opening    | 04 | Air suspended seat                 |
|    |                                 | 03 | 12,1" TFT Touchscreen | 05 | Reversible motor and hydraulic fan |



- › High performance diesel engine with low emissions
- › Simple handling and optimum ergonomics
- › Compact transport dimensions
- › Easy to maintain construction
- › Low ground pressure for gentle turning



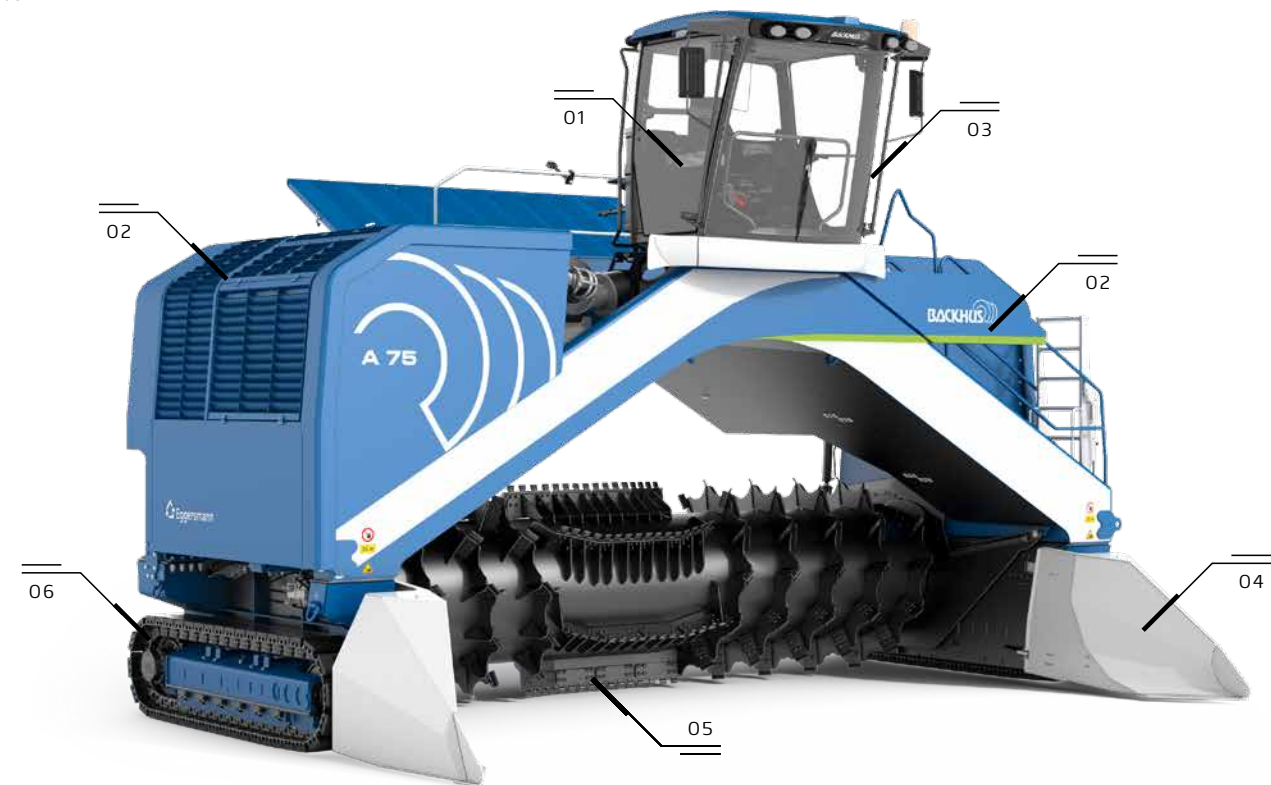


# A 45

## More Than Just an Option

Small fuel consumption and large turning capacities. The largest variety of options allow individual solutions for each customer. No matter what windrow width you choose, BACKHUS' low maintenance and great efficiency continue to set industry standards.





- |    |                                       |    |                                 |    |  |
|----|---------------------------------------|----|---------------------------------|----|--|
| 01 | Control via operation panell          | 03 | Cabin with 360 ° view           | 05 | Armoured rotor tools                       |
| 02 | User-friendly maintenance and service | 04 | Ground adjusting track clearers | 06 | Robust and maintenance free crawler tracks |

# A 45 - 75



- › Outstanding turning capacity up to 7,000 m³/h
- › Low fuel consumption
- › Customizable for any task
- › Easy access for routine maintenance and service
- › Long list of standard features
- › World's largest serial turner
- › Long list of standard features such as load adjusting automatic speed control (BTC)
- › Comfortable and easily accessible panoramic cabin
- › High quality and outstanding efficiency even in the heaviest working conditions
- › Optional: wheel drive (only for **A 45** to **A 65**)





A 55

BACKHUS



A 65





# A 75

## Outstanding Performance

Outstanding performance is a result of cutting edge technology. With an outstanding turning capacity of up to 7,000 m<sup>3</sup>/h, extreme sturdiness and intelligent technology the BACKHUS **A 75** meets all demands of modern turning. No matter what working width you may choose, your BACKHUS will set new standards in power, efficiency and handling.







Automation speed control -  
BACKHUS Track Control



Maximum Power and  
Maximum Efficiency -  
BACKHUS Management System

# BACKHUS Solutions

Various concepts for specific waste management and composting require specific and distinctive solutions. We offer a unique set of continuously developed project solutions for your individual concepts. You will find your personal contacts at [www.backhus.de](http://www.backhus.de).

- › World's largest range of optional features
- › Optimizing operating costs
- › Solutions for emissions reduction
- › Individual development for custom made projects
- › Practical consulting and project solutions in dialogue with the customer



BACKHUS **HD ME**,  
Radio controlled – hose drum with  
2" or 3" connection



BACKHUS **HD S**,  
Radio controlled – hose drum  
with 3" or 4" connection



In motion – the mobile cab



Intelligent space utilization –  
Side Conveyor



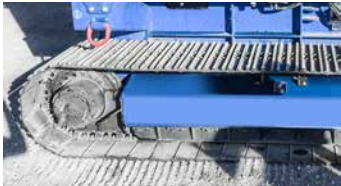
Concentrate injection for process  
optimization – for fast composting



Process optimization –  
injecting water during turning



Professional optimization of  
the composting process –  
BACKHUS Fleece Winder



For increased traction on  
loose ground – the landfill  
undercarriage



Reduce dust and odour – enclose it



BACKHUS CON System –  
membrane covered



Wheel drive



# LANE TURNER

## Maximum efficiency in the fields of:

### Composting (organic fraction from household waste, biological waste)

- › Max. decomposition of biologically and aerobically degradable dry organic substances
- › This process results in a biologically stable end product
- › Compost rich in humus in the case of composting of biological waste
- › Deposit with low breathability in the case of composting of an organic fraction of household waste
- › The reduced biological activity is due to the decomposition of the dry organic substance during the composting process

### Biological drying (organic fraction or household waste)

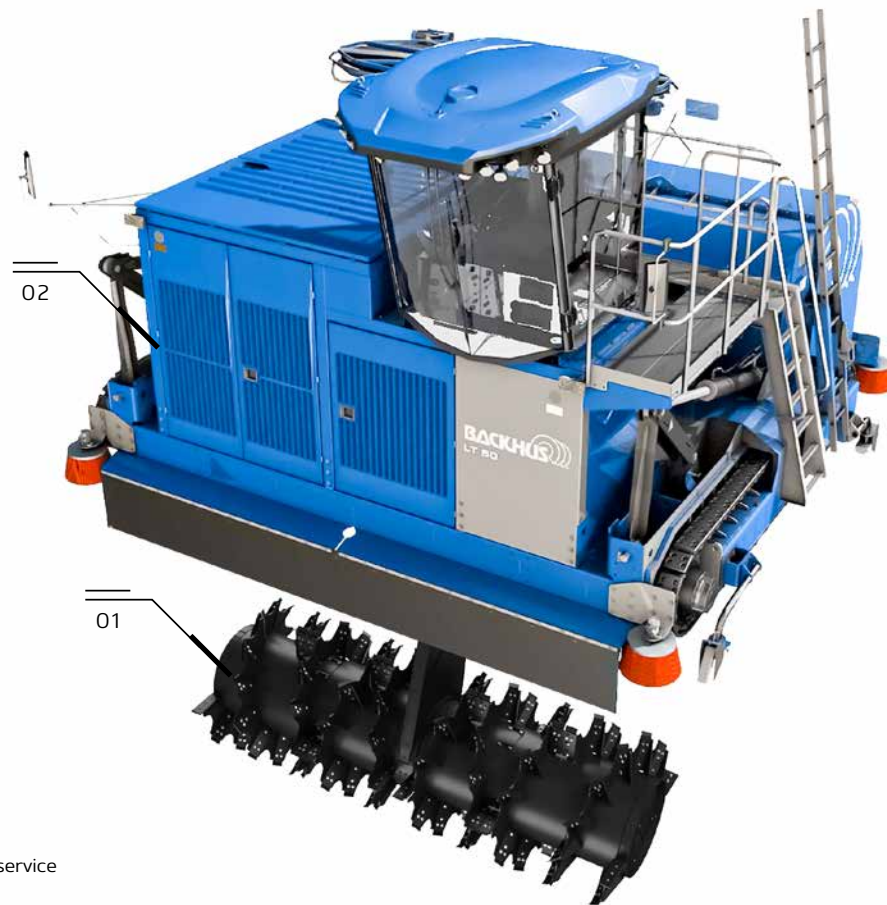
- › Max. discharge of water from the input material using the heat released during the aerobic biodegradation of the dry organic substance
- › This process results in a dry and stabilized end product
- › Subsequent mechanical treatments (screening, sifting, etc.) are possible
- › The reduced water content increases the calorific value of the material
- › The stabilization and the reduced biological activity is due to the significantly lower water content of the material during the drying process

### Composting of sewage sludge

- › Fast drying and hygienization of the sewage sludge
- › Generation of a product with a reduced volume that is suitable for storage
- › The compost from sewage sludge is a stabilized organic fertiliser with a medium nutrient content
- › Dried sewage sludge is a free-flowing substitute fuel with a low to medium calorific value

### Soil decontamination

- › Continuous homogenizing of the soil by frequent turning
- › Breaking of lumps and soil agglomerates to create new surfaces
- › Optimized aeration by decompaction of the material
- › More efficient distribution of the moisture and prevention of waterlogging
- › Improved application and distribution of liquid or granulated substances
- › Faster decontamination process due to the maintenance of the best possible conditions
- › Improved controllability and handling of the decontamination process



- 01 Armoured rotor tools
- 02 Easy access for routine maintenance and service

# LT 45 - 50



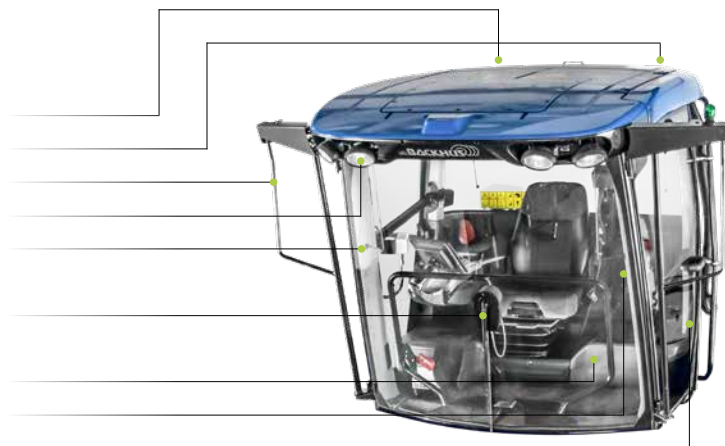
## Forward Thinking Waste Management

- › Intelligent waste management for indoor plants
- › Tailor made integration into new or existing plants
- › Half or fully automatic operation of turner and material flow
- › Highly efficient material flow and batch process



# The Cabin

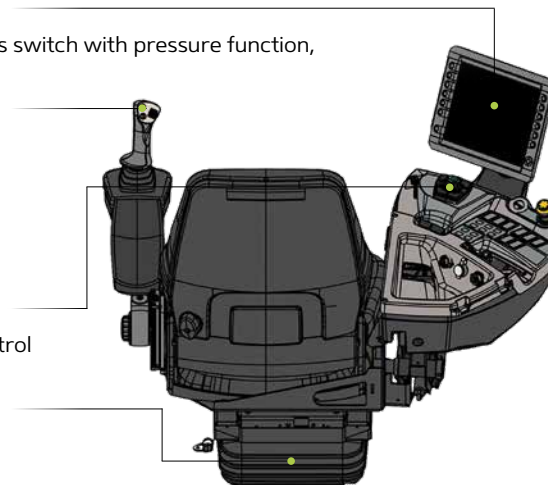
- › Backup warning signal
- › 2 rear lights
- › Side mirrors (optional)
- › 4 LED Headlights
- › Curved\* windscreen with 4 sun visors and sound-reducing-glazing
- › Wipers: front (Standard), left/right (optional), rear\* (optional)
- › Fridge\* (optional)
- › Passenger seat\*
- › Protective ventilation (optional)



\*Not available for the BACKHUAS **A 38**

## A-series

- › 12,1" (1024x768) LED color screen  
Operating elements: 13 Keys, 1 cross switch with pressure function, Touchscreen
- › Left Joystick:  
Driving (Single-handed operation)  
Rear tailgate  
Engine speed  
Wheel drive control
- › BiDrive:  
Rotor operation / Track clearer control
- › Air suspended seat



	A 30	A 38	A 45	A 50	A 55
Dimensions	Length 2,600 mm Width 3,550 mm Height 1,950 mm Rotor Ø 730 mm	Length 4,236 mm Width 4,250 mm Height 4,320 mm Rotor Ø 1,000 mm	Length 4,900 mm Width 5,200 mm Height 4,500 mm Rotor Ø 1,200 mm	Length 5,100 mm Width 5,700 mm Height 4,650 mm Rotor Ø 1,200 mm	Length 5,100 mm Width 6,200 mm Height 4,750 mm Rotor Ø 1,200 mm
Engine	Yanmar 4TNV88 34 kW (45 HP) @ 2,400 U/min Yanmar 4TNV88 35,4 kW (48 HP) @ 3,000 U/min	CUMMINS F3,8 115 kW (156 HP) @ 2,200 1/min	CUMMINS B6,7 @ 2,200 1/min  168 kW (225 HP) 209 kW (280 HP)	CUMMINS B6,7 209 kW (280 HP) @ 2,200 1/min CUMMINS L9 254 kW (340 HP) @ 2,100 1/min	CUMMINS L9 254 kW (340 HP) @ 2,100 1/min CUMMINS L9 291 kW (390 HP) @ 2,100 1/min
Turning capacity	up to 700 m³/h	up to 1,500 m³/h	up to 3,000 m³/h	up to 4,000 m³/h	up to 4,500 m³/h
Windrow	Width up to 3.0 m Height up to 1.3 m	Width up to 3.8 m Height up to 1.9 m	Width up to 4.5 m Height up to 2.3 m	Width up to 5.0 m Height up to 2.4 m	Width up to 5.5 m Height up to 2.5 m

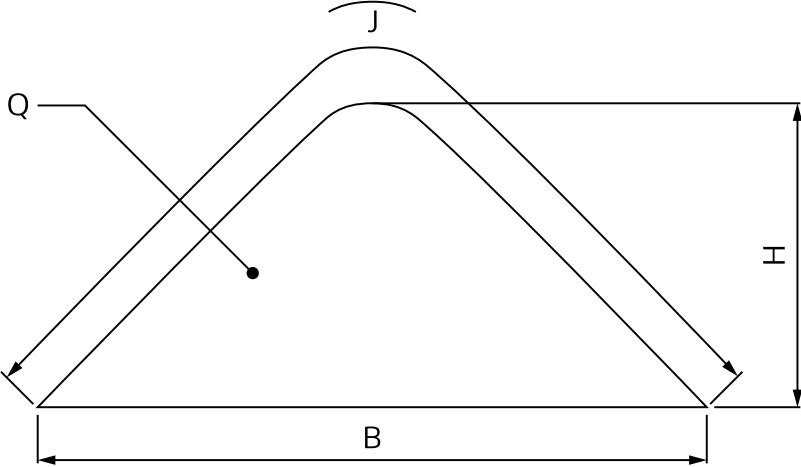
A 60	A 65	A 75	LT 45	LT 50
Length 6,000 mm Width 6,700 mm Height 5,050 mm Rotor Ø 1,400 mm	Length 6,000 mm Width 7,200 mm Height 5,200 mm Rotor Ø 1,400 mm	Length 6,350 mm Width 8,200 mm Height 5,600 mm Rotor Ø 1,800 mm	Rotor Ø 1,600 mm and 1,800 mm	Rotor Ø 1,600 mm and 1,800 mm
CUMMINS X12 298 kW (400 HP) @ 2,100 1/min CUMMINS X12 354 kW (475 HP) @ 1,800 1/min	CUMMINS X12 354 kW (475 HP) @ 1,800 1/min	CUMMINS X15 447 kW (600 HP) @ 1,800 1/min	Volvo TAD 8x3 VE 235 kW (320 HP) and Volvo TAD 1371 VE 285 kW (388 HP)	Volvo TAD 8x3 VE 235 kW (320 HP) and Volvo TAD 1371 VE 285 kW (388 HP)
up to 5,000 m³/h	up to 5,500 m³/h	up to 7,000 m³/h	up to 2,000 m³/h	up to 2,000 m³/h
Width up to 6.0 m Height up to 2.7 m	Width up to 6.5 m Height up to 2.9 m	Width up to 7.5 m Height up to 3.3 m	Width 4.5 m Height LT 45 up to 2.2 m LT 45 up to 2.7 m	Width 5.0 m Height LT 50 up to 2.2 m LT 50 up to 2.7 m



# Windrow Geometry

		A 30	A 38	A 45	A 50	A 55	A 60	A 65	A 75
Windrow width	B	3.0	3.8	4.5	5.0	5.5	6.0	6.5	7.5
Windrow height	H	1.3	1.8	2.1	2.4	2.5	2.7	2.9	3.3
Width of windrow surface*	J	4.1	5.3	6.2	7.0	7.6	8.2	8.9	10.2
Windrow cross section*	Q	2.2	3.9	5.0	6.2	7.5	8.9	10.4	13.9

Width of windrow surface\*:  $Q = B \times H - H^2$  oder  $(B - H) \times H$   
Windrow cross section\*:  $J = 0,83 \times H + B$   
\*at a dumping angle of 45°





With more than 30 years of experience in developing and building special machinery and more than 1.000 machines in use, BACKHUS is the leading manufacturer in turning technology and highly demanded partner in international recycling projects. 90% of our machines are made for export. BACKHUS customers benefit from high material quality, sophisticated construction and high turning performance of our machines.







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1. All specifications, descriptions and illustrations are subject to change without prior notice.
2. Illustrations and descriptions may include options that are not part of the standard equipment.