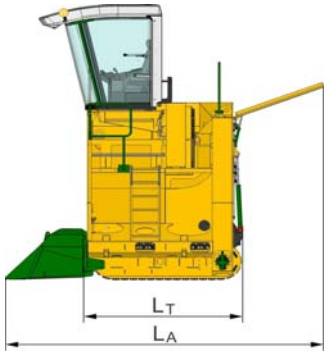
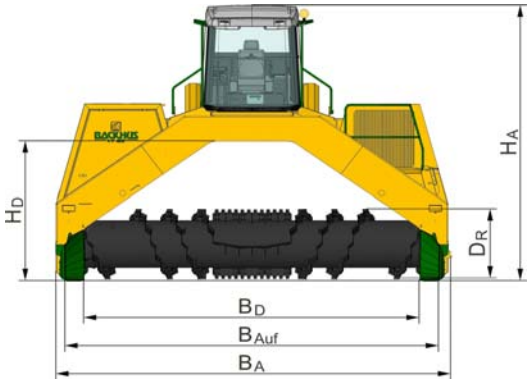
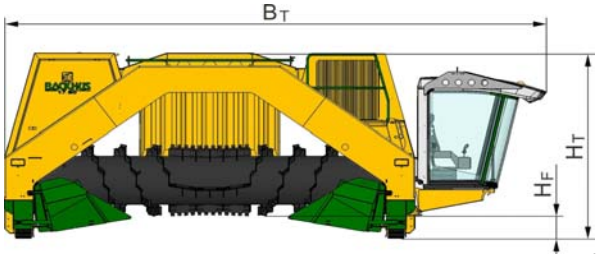
Technical Data / Delivery Volume







BACKHUS 17-series			17.43	17.50	17.55	17.60
working data						
heap width up to	B_{Auf}	m (ft)	4,3 (14.1)	5,0 (16.4)	5,5 (18.1)	6,0 (19.7)
heap height up to		m (ft)	2,1 (6.9)	2,4 (7.9)	2,5 (8.2)	2,6 (8.5)
heap cross section*		m² (yd²)	4,6 (5.5)	6,2 (7.4)	7,5 (9.0)	8,9 (10.6)
surface utilization*		m³/m² (yd³/yd²)	1,07 (1.17)	1,25 (1.37)	1,36 (1.49)	1,47 (1.61)
width track clearer		m (inch)	2x0,32 (2x12.6)			
clearing share*		%	2,2	1,6	1,4	1,1
granular size up to		mm (inch)	300 (2x12)			
longitudinal heap displacement approx.		m (ft)	2,5 (8.2)			
displacement capacity up to**		m³/h (yd³/h)	2.800 (3,700)	3.600 (4,700)	4.000 (5,200)	4.600 (6,000)
rotor torque		Nm (lbf ft)	7.500 (5,500)	9.200 (6,800)	12.600 (9,300)	
rotor rotation speed		min^{-1} (RPM)	240	230		
number of firm throwing tools		-	40	56	60	72
number of firm throwing rakes		-	8			12
dimensions - work						
rotor diameter	D_R	mm (inch)	1.000 (39.4)	1.200 (47.2)		
length	L_A	mm (ft)	5.150 (16.9)	5.150 (16.9)		
width	B_A	mm (ft)	4.700 (15.4)	5.400 (17.7)	5.900 (19.4)	6.400 (21.0)
height	H_A	mm (ft)	4.250 (13.9)	4.550 (14.9)	4.650 (15.3)	4.750 (15.6)
clearance width	B_D	mm (ft)	3.740 (12.3)	4.440 (14.6)	4.940 (16.2)	5.440 (17.8)
clearance height	H_D	mm (ft)	1.900 (6.2)	2.200 (7.2)	2.300 (7.5)	2.400 (7.9)
ground clearance max.	H_F	mm (inch)	450 (17.7)	350 (13.8)		
dimensions – transport						
length**	L_T	mm (ft)	2.550 (8.4)	2.550 (8.4)		
width**	B_T	mm (ft)	6.850 (22.5)	7.550 (24.8)	8.050 (26.4)	8.550 (28.1)
height**	H_T	mm (ft)	3.100 (10.2)	3.100 (10.2)		
track width	B_{Spur}	mm (ft)	4.040 (13.3)	4.740 (15.6)	5.240 (17.2)	5.740 (18.8)
turning radius	R_T	mm (ft)	2.900 (9.5)	3.100 (10.2)	3.300 (10.8)	3.500 (11.5)
forward feed speed forward / backward		m/min (ft/min)	0-60 (0-200)	0-50 (0-160)		0-40 (0-130)
weight approx.**		t	9,0-11,0	11,0-13,0	12,0-14,0	13,0-15,0
ground pressure approx.**		kg/cm² (PSI)	1,0-1,22 (14.23)-(17.4)	1,22-1,44 (17.4)-(20.5)	1,33-1,56 (19.0)-(22.2)	1,44-1,67 (20.5)-(23.8)

* at a dumping angle of 45°

** Values may differ depending upon equipment.

BACKHUS		17.43	17.50	17.55	17.60
engine		Cummins Turbo-Diesel water cooled			
type		QSB 6.7-C205	QSC 8.3-C280		QSL 9-C325
cylinder		6			
cubic capacity	l	6,7	8,3		8,9
nominal capacity	KW (HP) RPM	153 (205) @ 1,800	209 (280) @ 2,100		242 (325) @ 2,100
maximum capacity	KW (HP) RPM	153 (205) @ 1,800	225 (302) @ 1,900		261 (350) @ 1,900
max. torque	Nm (lbf ft) RPM	929 (685) @ 1,300	1.356 (1,000) @ 1,500		1.424 (1,050) @ 1,300-1,500
three-phase generator	V / A	24 / 70	24 / 100		
battery	V / Ah	2x12 / 143			
fuel tank	l	250	370		

Frame
box construction type portal frame
corrosion-resistant 2-color lacquer coating
RAL1004 golden yellow and RAL6029 mint green
- Steel surfaces (except wear areas)
- Sa 2 1/2 blasted with DIN EN ISO 12944-4
- Coating in accordance with DIN EN ISO 12944-5
- Category C2
- Coat thickness 120µm

Engine
high-power CUMMINS-Diesel engine
- exhaust gas certification level:
  - III A (EuroMot) / Tier 3 (U.S. EPA/CARB)
- 4-valve technology
- Commen Rail fuel injection system
- waste gas turbocharger
- charge air cooling
- electronic engine management

flexible engine mounting
intake air pre-filter
side-by-side cooling system with large mesh size
reversion of maximum air flow in both directions
trapezoidal perforated sheet for pre-cleaning cooling air
engine hood can be opened widely

Undercarriage
compact caterpillar track drives with rubber-lined track shoes
independent hydraulic drives in closed circuit, infinitely variable adjustable

Rotor
hydraulic drive in closed circuit
- RPM adjustable and reversible under load
- infinitely variable adjustable in height under load
- rotor height indicator

screwed tools
- easily and quickly exchangeable

throwing rake
- for best possible heap arrangement

Hydraulic rear flap

Track clearer
independently hydraulically swiveling and height adjustable
automatic ground contour adaptation

Hydraulics
hydraulic oil cooler with reversion of maximum air flow in both directions
reflux suction filtration with fiber glass filter cells
electric level and filter monitoring
magnetic valve with LED-performance indicator

Panorama-ease and convenience cabin
adjustable spring born seat for driver
- arm rests with operating elements
- one-lever steering with joystick

CD/MP3/radio mounting kit with 2 stereo loudspeakers
cabin filter according to G4 (EU4)
- according to DIN EN 779 (DIN 24 185)

warm water heating with three-stage ventilation
automatic air-conditioning system
side window can be opened
sun protection front and back
2 halogen head lamps in cabin roof

Electrical equipment
2 halogen head lamps front
2 halogen head lamps back
rotating beacon
machine monitoring
- with visual and acoustic warning

acoustic operation warning
acoustic back up warning

Delivery accessories
console with rapid changing device
- For transport the cabin can be brought into transport position with a external crane.

amply access and rails according to standard
dismountable tool box
first-aid box
operating instructions and spare part catalogue according to CE-standard
- Operating instructions are enclosed in German and in the native language of the European country of application (outside of Europe: English).

introduction in the machine
- instructions on theoretical and practical knowledge about the machine in practical operation

Machine control
BACKHUS-Track-Control (BTC)
- Load depending track drive control with limited control (overload control function)
- Automatic drive with precise control