

# State-Of-The-Art



## TP 280 MOBILE

SINGLE AXLE • DIESEL

TP 280 Mobile 11" is the "state-of-the-art" machine in our range of wood chippers. Its 55 kW Hatz Stage V engine makes it the absolute top model in the rotary disc wood chipper category. The two vertical rollers with a 280 mm aperture come from our forestry machine. No job is too big. When working on smaller jobs, set TP Pilot + to "City Mode" and chipping will be at 2/3 of normal RPM. Every job can be a "green" job.

The TP 280 Mobile is an "inliner". The various drawbar and axle options can be customised to your exact requirements.



Vertical infeed rollers from TP forest design



User interface with controlling, start box and TP Starter



Hatz 4H50 Stage V engine with 55.0 kw



## FEATURES

- Vertical infeed rollers – forest design line  
Roller opening 280x280 mm – 11"
- Wide funnel 1176 mm – low infeed-height 730 mm
- Hatz (74 HK/55 kW) high-efficiency engine  
– low fuel consumption (6 L/hour)
- Oil cooler for optimized use and prolonged lifetime
- Platform for easy-service
- TP Pilot+ functions



280 mm



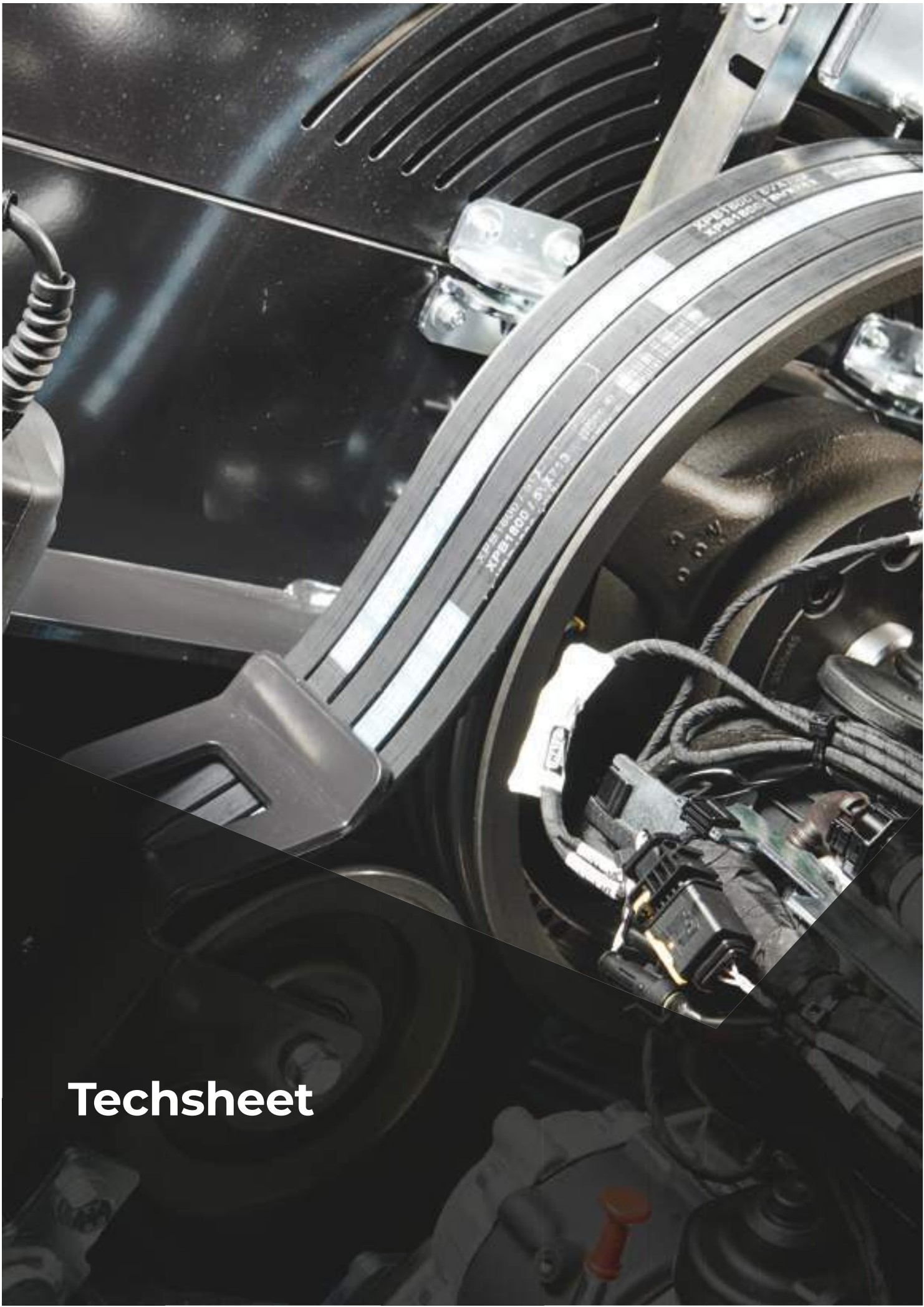
74 HP



6-16 mm



1900 kg



# Techsheets

# INNOVATIVE CO-PILOT

## TP PILOT+ IS STANDARD FOR TP 215/280 MOBILE

Our new Pilot+ is a simple digital computer. It displays what you need to know while being capable of doing much more than you can see.

We have developed three very unusual features that make TP and Pilot+ very unique.

### RANGE CONTROL

- Lower noise in standby
- Decrease engine speed to 50% when machine has been inactive for 10 seconds
- Environmentally and operator friendly

### AUTO REVERSE

- Prevent jamming of the infeed
- Reversing of the infeed rollers for 0.25 seconds
- Standard function

### LOW NOISE FUNCTION

- Chipping with 80% rotation speed
- Perfect for smaller jobs
- Environmentally and operator friendly

NEW



# FEATURES FOR TP 215 - TP 280



## GENERAL FEATURES

### TP 215/280 WHEELED AND TRACKED VARIANTS

- Stage V Compliant
- EC vehicle Type-approval Certificate
- Overrun braked trailer (hot-dip-galvanized) from AL-KO
- High capacity (20/25 m<sup>3</sup>/hour)
- Safety first – TP-E-Stop



## TP PILOT+

### PROBLEM-FREE OPERATION (NEW GENERATION)

- No stress control
- Fuel level
- Jobtimer
- Service information
- Start-up and operating mode
- Engine fault
- TP E-Stop activated

See page 15 for further functions.



## TP STARTER™

### PROLONGS ENGINE LIFE-TIME

- Automatic clutch system coupling/ uncoupling belts
- Easy machine start-up/shut-down



## TP OPTICUT

### DISPLACED BLADES (BLADE SYSTEM)

- Displaced blades (4 pcs.) constantly engaging material
- Less vibrations / steadier strain
- Optimized and low fuel consumption
- Uniform chip quality



## TP TWIN DISC™

### DOUBLE THE DISCS – DOUBLE THE STRENGTH

- Light weight with heavy weight ranking
- Unique and solid construction inspired by the bees
- Strong out-blow



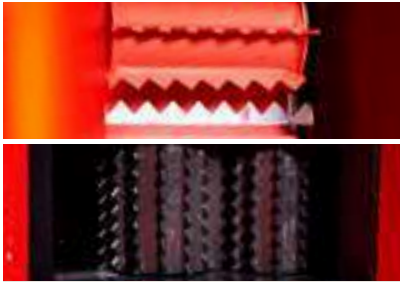
## TP VARIO SPOUT™

### ADJUSTABLE HEIGHT FOR FLEXIBLE OUT-PUT

- Variable out-put heights (max. height 2420 mm)
- 270° rotation
- Low storage/transport position (from 1980 mm)

For TP280 electrical adjustable Vario Spout is standard.

For TP215 the Vario Spout is manually.



## STRONG ROLLERS

### INFEED ROLLERS MADE OF HARDOX STEEL

- Two infeed rollers
- Roller opening:  
TP 215: 216x265 mm (horizontal)  
TP 280: 280x280 mm (vertical)
- Hydraulic adjustable infeed speed (chip size 4-16 mm)
- Two strong springs on TP 215 Mobile and three on TP 280



## TP EASY CONTROL

### RESET - REVERSE - GO FUNCTION

- Quick and easy electronic re-start after activation of safety bar
- Placed on both sides of the funnel
- Reset for optional safety



## EASY & SAFE SERVICE

### SERVICE FRIENDLY LIKE NO OTHER

- 1 tool - 4 knives - 5 minutes (rotor lock eases the job)
- Easy access for daily maintenance and lubrication
- No need for special tools
- Engine and machine components fully protected



## EMISSION

### CLEAN WORKING ENVIRONMENT

- Exhaust through spout - operator stays clear of exhaust
- Diesel particle filter



## HYDRAULIC SYSTEM

### GREATER EFFECT AND OPERATIONAL RELIABILITY

- Integrated hydraulic system with it's own pump, tank, and filter
- Ensures correct pressure and oil level
- Minimizes power consumption
- Oil cooler for optimal working temperature - long life



## WARRANTY

### 3 YEAR WARRANTY

- Extended for essential components
- Contract further buys
- Comfort for quality

# COMPARE MODELS



	TP 215 MOBILE	TP 215 MOBILE T	TP 215 TRACK
Max. wood diameter	216 mm	216 mm	216 mm
Roller opening	216 x 265 mm	216 x 265 mm	216 x 265 mm
Engine make	Hatz 3H50TICD	Hatz 3H50TICD	Hatz 3H50TICD
Engine power HP/kW	59 HP / 44 kW	59 HP / 44 kW	59 HP / 44 kW
Number of cylinders	3	3	3
Torque	203 Nm	203 Nm	203 Nm
Control unit	TP STARTER/TP PILOT +	TP STARTER/TP PILOT +	TP STARTER/TP PILOT+
Fuel	Diesel	Diesel	Diesel
Tank size	52 litres	52 litres	52 litres
Fuel consumption	4 L/h (210g/kWh)	4 L/h (210g/kWh)	4 L/h (210g/kWh)
Capacity/hour	20 m <sup>3</sup>	20 m <sup>3</sup>	20 m <sup>3</sup>
Woodchip size	4-14 mm	4-14 mm	4-14 mm
Adjustable woodchip size	Yes	Yes	Yes
Woodchip standard	G30/G50/G100*	G30/G50/G100*	G30/G50/G100*
Feed rollers	2	2	2
Roller position	Horizontal	Horizontal	Horizontal
Chipper type	Disc chipper	Disc chipper	Disc chipper
In-feed angle	Parallel to direction of travel	Parallel to direction of travel	Parallel to direction of travel
Chipping angle	90°	90°	90°
TP E-STOP™	Yes	Yes	Yes
TP EASY CONTROL™	Optional	Optional	Optional
TP OPTICUT	Yes	Yes	Yes
Number of knives / counterknives	4 / 3	4 / 3	4 / 3
Disc diameter / weight	760 mm / 140 kg	760 mm / 140 kg	760 mm / 140 kg
Noise level, in acc. with directive 2000/14/EC	125 dB	125 dB	125 dB
Infeed hopper width	1176 mm	1176 mm	1176 mm
Funnel height (above ground)	684 mm	810 mm	679 mm
TP VARIO SPOUT	Optional	Optional	Optional
Weight	1400 kg	1800 kg	1500 kg
Width (operation, max.)	1705 mm	1735 mm	1150 mm (1350 mm)
Height (operation, max.)	1983 mm (2716 mm)	2121 mm (2852 mm)	1892 mm (2625 mm)
Length (operation)	4395 mm (4994 mm)	4316 mm (4914 mm)	2625 mm (3365 mm)

\*Requires a fitted TP CHIP KIT (optional).

To learn more about TP CHIP KIT and G standards, go to [www.tpchipper.com](http://www.tpchipper.com)



	TP 280 MOBILE	TP 280 MOBILE T
Max. wood diameter	280 mm	280 mm
Roller opening	280 x 280 mm	280 x 280 mm
Engine make	Hatz 4H50TICD	Hatz 4H50TICD
Engine power HP/kW	74 HP / 55 kW	74 HP / 55 kW
Number of cylinders	4	4
Torque	240 Nm	240 Nm
Control unit	TP PILOT+	TP PILOT+
Fuel	Diesel	Diesel
Tank size	75 litres	75 litres
Fuel consumption	6 L/h (210g/kWh)	6 L/h (210g/kWh)
Capacity/hour	25 m <sup>3</sup>	25 m <sup>3</sup>
Woodchip size	6-16 mm	6-16 mm
Adjustable woodchip size	Yes	Yes
Woodchip standard	G30/G50/G100*	G30/G50/G100*
Feed rollers	2	2
Roller position	Vertical	Vertical
Chipper type	Disc chipper	Disc chipper
In-feed angle	Parallel to direction of travel	Parallel to direction of travel
Chipping angle	90°	90°
TP E-STOP™	Yes	Yes
TP EASY CONTROL™	Yes	Yes
TP OPTICUT	Yes	Yes
Number of knives / counterknives	4 / 2	4 / 2
Disc diameter/weight	835 mm / 193 kg	835 mm / 193 kg
Noise level, in acc. with directive 2000/14/EC	125 dB	125 dB
Infeed hopper width	1176 mm	1176 mm
Funnel height (above ground)	736 mm	822 mm
TP VARIO SPOUT	Yes / Optional	Yes / Optional
Weight	1900 kg	2400 kg
Width (operation, max.)	1971 mm	2003 mm
Height (operation, max.)	2379 mm (3484 mm)	2461 mm (3568 mm)
Length (operation)	4680 mm (5599 mm)	4659 mm (5579 mm)

\*Requires a fitted TP CHIP KIT (optional).

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# SAFETY AND SERVICE

## ORIGINAL WEARING PARTS – FOR SAFETY'S SAKE

TP Wood Chippers are built to deal with tough circumstances and raw materials, but of course, wearing parts cannot last forever. We always recommend that you use original wearing parts and spare parts and that you replace wearing parts at the correct time. By doing so, you achieve better woodchip quality and better fuel consumption. At the same time, you will help to optimise reliability and extend the lifetime of the wood chipper. We even continue to supply parts for TP Wood Chippers that have been in operation for over 20 years!

## EXTRA SAFETY FOR THE USERS

TP E-STOP is an additional optional safety equipment consisting of four emergency stop switches located on top of the funnel and on the sides of the funnel. When one of the four emergency stops is activated, the feed rollers stop rotating. The emergency stop button must be reset before the rollers start again.

- TP E-STOP and additional optional safety kit consisting of either 2 or 4 E-STOP switches (located on the top and on the side of the funnel)
- By activation feed rollers stop rotating
- Ideal for rental/for unskilled employees



## HOMOLOGATION/APPROVALS

The hot-dip galvanized trailer and chassis from ALKO. Trailer includes overrun brake. The chipper is supplied with a Certificate of Conformity to show that they are fully homologated and compliant with the European Directive 2007/46/EC. The wood chipper complies with all existing safety standards (EN 13525)