

PRODUCT CATALOGUE · PTO & PTO K



RELIABILITY & POWER

Reliable Wood Chipping Machines
designed for Demanding users



TP FEATURES



TP PILOT/PILOT+/PILOT K – the rpm monitor that ensures problem-free operation

A TP PILOT is an efficient rpm monitor that prevents overloading of both the tractor and wood chipper. You can check the rpm of the feed rollers on the rpm monitor. If the rpm of the feed rollers does not match the rpm of the disc, it can lead to two different outcomes: When the speed is too low, the full capacity of the machine will not be utilised, and when the speed is too high, the wood will be pressed against the disc causing the rpm to lessen. Both of these conditions can cause unnecessary wear on the machine and the accumulation of material in the feed opening. TP PILOT provides safe, efficient and continuous operation without any problems.



TP E-STOP – 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. The purpose of TP E-STOP is that you can not accidentally reboot the rollers during an emergency situation. Also, people in the area can easily assist in an emergency, as the emergency stop switches are highly visible. TP E-STOP can be a reassuring additional security, especially relevant if you have unskilled employees or work in the hire business.



Integrated hydraulic system – greater power and reliability

All TP Wood Chippers with feed rollers have an integrated hydraulic system with independent hydraulic pumps, hydraulic oil tank and hydraulic filter. The hydraulic pump always delivers the correct amount of oil and pressure to the oil engine, which drives the wood chipper's feed rollers. It provides minimum loss of power compared with systems where oil supply to the oil engines comes from an external source such as the tractor hydraulics. The closed hydraulic system also ensures that no dirt or other external particles enter the wood chipper's oil engines and hydraulic valves. This means greater reliability and less risk of downtime.



TP SERVICE BOX – to keep you running smoothly

A TP SERVICE BOX contains all of the critical wearing parts that are appropriate for each TP Wood Chipper. For example, knives, counterknives, scrapers, hydraulic filter and of course nuts and bolts. With the box close at hand, you are always guaranteed optimum operation – even when you are out in the grounds, far from stores and workshops.



TP CHIP KIT – the choice is yours

Instead of a permanently mounted sieve, which produces significantly higher fuel consumption, you can retrofit a TP CHIP KIT when you require extra fine woodchip quality. The kit consists of sliver breakers and a disc facing plate, which together ensure very fine woodchip quality without slivers, which can otherwise be inconvenient when burning woodchip in a woodchip stove. TP CHIP KIT is optional equipment and is available for all of our wood chippers except TP 100 PTO and 270 PTO, which are delivered with type A sliver breakers as standard.

With a fitted TP CHIP KIT, the TP Wood Chipper produces wood chips that meet the recognised ÖNORM standard (G30, G50 and G100).

HIGH EFFICIENCY. DANISH QUALITY.

TP Wood Chippers are designed and manufactured in Denmark. All our products are characterised by user-friendliness, strength and high efficiency. TP Wood Chippers are quite simply made to be used. In addition to the high quality, they are easy to operate and maintain. Our main task is to ensure that you get the work done and can quickly move on to the next job.



5-year warranty

With a full 5-year warranty, we can fully vouch for the quality of our machines. Our TP WARRANTY covers all of the components, including engine, hydraulic components, gears etc. The only thing that is not covered by the warranty is painting and standard wearing parts such as knives.

Top quality woodchip

Woodchip is sustainable biomass with a significant climate benefit, and when it comes to economy, woodchip quality is paramount. TP Wood Chippers produce high-quality, uniform woodchip, which is particularly useful for wood-burning plants such as stoker facilities. TP Wood Chippers comply with the standards G30, G50 and G100 in the recognised ÖNORM M7133 standard.



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!



TP 100 PTO

EFFICIENT DRUM CHIPPER – PERFECT FOR COMPACT TRACTORS

Thanks to the vertical funnel, TP 100 PTO is a compact wood chipper, which does not take up much space. At the same time, the design provides efficient in-feed without the use of rollers. The machine is ideal for thinning bushes and for chipping branches and smaller trees, e.g. in parks, on housing association grounds, churchyards and golf courses.

PRODUCT INFORMATION

- Ideal for use in confined spaces and where tractor power is below 40 HP
- Rotatable ejector spout
- Reversible knives
- Speed-up gear
- Optional extension arms for 3-point suspension

			
100 mm	15-40 HP	8-20 mm	No





TP 175 PTO

BIGGER, STRONGER, LIGHTER

Perfect for windbreaks and landscaping. TP 175 PTO is designed to take branches and logs with diameters up to 175 mm and produce fine-quality woodchip suitable for burning. Designed using the TP OPTICUT knife system, with smaller knives positioned offset on the disc. This ensures there is always a knife engaged on the wood in the wood chipper. The result is fewer vibrations, more even loading of the machine, lower fuel consumption and finally, woodchip that is more uniform in quality.

PRODUCT INFORMATION

- Manufactured from high-strength steel, which is 50% stronger than traditional steel
- Low weight means the machine can be handled by smaller tractors, from 40 HP
- Hydraulic adjustment of the roller speed and therefore chip size
- Optional power shuttle allows front-fitting on the tractor
- Wide, foldable funnel
- Optional speed-up gear for tractors with 540 rpm on PTO
- TP PILOT+



 175 mm	 40-90 HP	 4-12 mm	 TP PILOT+ is standard
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TP 200 PTO

POPULAR, FLEXIBLE AND STRONG

The TP 200 PTO provides an optimal combination of functionality, size and capacity for dealing with the most prevalent tasks when managing parks and landscaping. The wide and open funnel makes feeding in material with side branches easy, and this property has made the TP 200 PTO a popular choice among municipalities, forestry technicians and contractors.



PRODUCT INFORMATION

- Hydraulic adjustment of the roller speed and therefore chip size
- Fast replacement of knives without adjustment
- Replaceable wearing plate at the bottom of the disc and on the ejector blades
- TP PILOT
- Optional speed-up gear for tractors with 540 rpm on PTO
- Optional power shuttle allows front-fitting on the tractor



200 mm



40-115 HP



4-10 mm



NO STRESS

TP PILOT is standard



TP 250 PTO

FOR LARGER AND MORE DEMANDING TASKS

The TP 250 PTO is a powerful wood chipper, which provides the user with large capacity, flexibility and uniform woodchip quality. Thanks to the strong construction, the machine can handle everything from small branches to whole trees up to 250 mm in diameter. The large disc with three knives in combination with three counter knives, ensures very efficient wood chipping.

PRODUCT INFORMATION

- Hydraulic adjustment of woodchip size
- Fast replacement of knives without adjustment
- Equipped with a replaceable casing in the disc housing
- Option to attach a trailer coupling to a four-wheel trailer
- Also available as a crane version. See separate brochure



 $\pm \varnothing$		 \pm mm	 NO STRESS TP PILOT is standard
250 mm	60-140 HP	4-13 mm	



TP 250 PTO K

FOR LARGER AND MORE DEMANDING TASKS

The TP 250 PTO K is the solution when large capacity, flexibility and uniform woodchip quality is required. The disc wood chipper with hydraulic in-feed is an efficient machine for clearing-up areas and wood chipping branches up to 250 mm in diameter. The large disc with three knives in combination with three counterknives, 90 degrees chipping angle and two horizontal in-feed rollers ensure very efficient wood chipping, from thin logs to whole trees.

Extremely service-friendly and with a divided disc housing, providing easy and fast access to the knives, etc.

TP 250 PTO K is the only crane model built with a TP TWIN DISC. In contrast to a traditional solid disc, TP TWIN DISC is made up of two discs, which are welded together around assembly plates. It ensures the necessary strength and rigidity – without the disc becoming so heavy that it affects efficiency. In addition to the high strength and ejection force, TP TWIN DISC produces less wear on the rear of the disc housing.

PRODUCT INFO

- Supplied as standard with short, rotatable ejector spout, with several variant options, including long ejector spout along length of tractor
- Hydraulic adjustment of the roller speed and therefore chip size
- Replaceable casing in the disc housing and scrapers that ensure material does not accumulate.



CRANE OPTIONS

CRANE MODEL	MOWI P30
Crane operation	TP 1-HAND CONTROL TP 2-HAND CONTROL
Reach with crane	5.7 meter
Lifting capacity in outer position	450 kg
Grab and rotator	Grab TG 16R and rotator 3t



TP 270 PTO K

SUPERIOR CAPACITY WITH 45° FUNNEL

TP 270 PTO K is a powerful wood chipper with hydraulic in-feed, which ensures large capacity and powerful in-feed, even with whole trees. The funnel is at an angle of 45° to the direction of travel, and provides optimal working conditions in practically any situation.

The machine is equipped with three knives and a sliver breaker set, which produces good woodchip that is ideal for burning, e.g. in wood furnaces. Adjustable knives for variable woodchip size.

Supplied as standard with short, rotatable ejector spout, with several variant options, including long ejector spout along length of tractor.

PRODUCT INFO

- Includes an integrated trailer hitch, if trailer hitching is desired
- Divided disc housing, providing easy and fast access to the knives
- Replaceable casing in the disc housing and scrapers that ensure material does not accumulate, results in low-cost maintenance.
- Includes hydraulic rotatable ejector spout and electronically controlled spout



270 mm



100-200 HP



11-21 mm



Separate crane frame

CRANE OPTIONS

CRANE MODEL	MOWI P30
Crane operation	TP 1-HAND CONTROL TP 2-HAND CONTROL
Reach with crane	5.7 meter
Lifting capacity in outer position	450 kg
Grab and rotator	Grab TG 16R and rotator 3t



TP 400 PTO K

UNIQUE SHEER BRUTE STRENGTH
AND EFFICIENCY IN A CLASS OF ITS OWN

TP 400 PTO K is the optimal machine for woodchip production in professional forestry. With capacity to produce up to 400 m³ of woodchip an hour. Combined heat and power plants require this kind of woodchip.

A wide range of standard equipment includes a hydraulic belt drive coupling between the PTO and disc, automatic roller speed adjustment, integrated high-pressure hydraulics and divided disc housing with a hydraulic opening. The disc is equipped with the knife system TP OPTICUT, which has four knives distributed on the disc and reduces vibrations markedly and provides very even and stable wood chipping.

There is constant full control over the operation and functions via the rpm monitor TP PILOT K. This means the operator can monitor the rpm on the disc and the in-feed rollers, and the current temperature of the hydraulic oil from the tractor cab.

CRANE OPTIONS

CRANE MODEL	MOWI P41
Crane operation	TP 2-HAND CONTROL
Reach with crane	6.5 meter
Lifting capacity in outer position	480 kg
Grab and rotator	Grab TG 22R and rotator 4t

PRODUCT INFO

- For the full utilisation and optimal visibility, it is necessary to use a tractor that is equipped with a rotatable cab seat
- Includes a hydraulic rotatable ejector spout with an electronically controlled spout that can be attached, so that the woodchip ejection can be adjusted quickly and easily
- Adjustable knives for variable woodchip size. If smaller woodchip is required for use in a wood-burning furnace, a sliver breaker set, TP CHIP KIT can be fitted
- Extra boost option on roller compression (+50% compression)
- The integrated crane support and powerful crane flange ensures a compact and strong design with optimal weight distribution



PRODUCT GUIDE

GENERAL FEATURES OF PTO WOOD CHIPPERS

- Reliable machines designed and manufactured in Denmark
- Extended 5-year product warranty
- Delivered with PTO shaft with free running
- Powerful in-feed rollers and integrated hydraulic system*
- Produces woodchip suitable for burning in G30/G50 quality*
- Meets the highest standards for personal safety (EN 13525)
- Specially developed powder coating ensures effective protection against rust (corrosion class C4)
- Rotatable ejector spout can be extended both horizontally and vertically to suit the task

* Except TP 100 PTO

KEY TO SYMBOLS



Max. wood diameter



Power requirement (tractor size)



rpm monitor



Woodchip size



Crane fitting

SPECIFICATIONS

	TP 100 PTO	TP 175 PTO	TP 200 PTO	TP 250 PTO	TP 250 PTO K	TP 270 PTO K	TP 400 PTO K
Max. wood diameter	100 mm	175 mm	200 mm	250 mm	250 mm	270 mm	400 mm
Roller opening	150 x 275 mm	175 x 220 mm	210 x 265 mm	260 x 350 mm	260 x 350 mm	270 x 290 mm	400 x 440 mm
Power requirement HP	15-40 HP	40-90 HP	40-115 HP	60-140 HP	60-140 HP	100-200 HP	200-400 HP
Power requirement kW	11-29 kW	29-66 kW	30-85 kW	45-104 kW	45-104 kW	75-150 kW	147-294 kW
PTO rpm	540 rpm	1.000 rpm (540 rpm*)	1.000 rpm (540 rpm*)	1.000 rpm	1.000 rpm	1.000 rpm	1.000 rpm
3-point suspension	Cat. 1	Cat. 1 + 2	Cat. 1 + 2	Cat. 2	Cat. 2	Cat. 2	Cat. 3
TP PILOT/PILOT+ - rpm monitor	No	Yes	Yes	Yes	Yes	Yes	Yes
Capacity/hour	7 m ³	20 m ³	40 m ³	50 m ³	50 m ³	76 m ³	400 m ³
Woodchip size	8-20 mm	4-12 mm	4-10 mm	4-13 mm	4-13 mm	11-21 mm	15-40 mm
Adjustable woodchip size	No	Yes	Yes	Yes	Yes	Yes	Yes
Woodchip standard	-	G30/G50**	G30/G50**	G30/G50/G100**	G30/G50/G100**	G30/G50/G100***	G50/G100**
Feed rollers	-	2	2	2	2	2	2
Roller position	-	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Vertical
Chipper type	Drum chipper	Disc chipper	Disc chipper	Disc chipper	Disc chipper	Disc chipper	Disc chipper
In-feed angle	Vertical funnel	Parallel to direction of travel	Parallel to direction of travel	Parallel to direction of travel	Parallel to direction of travel	Diagonal rear facing	Parallel to direction of travel
Chipping angle	55°	90°	90°	90°	90°	45°	30°
TP TWIN DISC	No	Yes	Yes	Yes	Yes	No	No
Number of knives	2	4	3	3	3	3	4
Number of counterknives	1	3	3	3	3	2	2
Disc diameter	410 mm	660 mm	760 mm	960 mm	960 mm	960 mm	1.225 mm
Disc weight	48 kg	87 kg	168 kg	266 kg	266 kg	275 kg	756 kg
Noise level, in acc. with Directive 2000/14/EC	128 dB	124 dB	125 dB	127 dB	-	-	-
Integrated hydraulic system	No	Yes	Yes	Yes	Yes	Fixed gear pump	Variable high pressure piston pump
Foldable funnel	No	Yes	Yes	Yes	Yes	Rotatable	Long, over length of tractor
Trailer hitch	No	Optional	Optional	Optional	Optional	Yes	No
Weight	195 kg	519 kg	700 kg	1065 kg	1030 kg	1385 kg	3000 kg
Weight with crane	-	-	-	-	1638 kg	1953 kg	3800 kg
Width (operation)	1515 mm	1230 mm	1424 mm	1536 mm	1611 mm	1980 mm	1810 mm
Height	1580 mm	2294 mm	2440 mm	2942 mm	3000 mm	3042 mm	3640 mm
Length (operation)	791 mm	2065 mm	1883 mm (2480 mm)	1985 mm (2581 mm)	1807 mm	1972 mm	2604 mm

* Requires purchase of speed-up gear ** Requires a fitted TP CHIP KIT (optional)

*** TP CHIP KIT is fitted as standard

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TELEPHONE AND OPENING HOURS (CET)

Monday - Thursday 08:00 - 16:00
Friday 08:00 - 15:30

SPARE PARTS

Monday - Thursday 08:00 - 15:00
Friday 08:00 - 13:00

WOOD CHIPPERS SINCE 1980

Linddana has designed, manufactured and marketed TP Wood Chippers since 1980. Today, this Danish company is one of the world leaders in its field. Linddana supplies a strong selection of functional and reliable wood chippers for landscaping and biomass production.

TECHNOLOGY AND PEOPLE

Linddana's strong international position is founded on extensive technical expertise and a commitment to high quality, both in the selection of materials and in manufacturing processes. By combining skilled workmanship and using the latest manufacturing technology, we maintain the highest quality standards.

All specification in the brochure are subject to printing and typing errors. We reserve the right to change designs and technical specification. Contact reseller to get the latest updated specification or visit www.tpchipper.com

Dealer

