

Composting with

MORAWETZ

COMPOST MIXER – DRIVE AXLE MACHINES

**Model TAK – self-propelled/
Model AK – without driving axle**

Quality engineering – carefully thought-out for practical use

On tractors without super crawler gear, the normal slow travelling speed is still too fast for operating a compost mixer. The TAK drive axle mixer solves this problem!

✓ Design

The mixing section of the FOLD tractor-mounted mixer (hydraulically hinged) is mounted on a single-axle chassis with ballast weight. The drive is provided by a lorry differential axle with two tractor wheels, fitted with a switchable differential lock (operated from the tractor) fitted as standard. Also of great interest is the short design of the chassis, ensuring exceptional manoeuvrability. The large-size tractor wheels give a good pushing performance even uphill an on non-made-up ground up to a gradient of ca. 10 %.

The turning cylinder is height-adjustable on both sides, externally with a crank-operated jockey wheel and internally by means of the hydraulic system. This is particularly important for BIO-Tonne composting, where at the first mixing operation the bottom layer is left to lie. At the same time, the towbar height can be adjusted hydraulically.

✓ Quick attachment

The unit is attached quickly to the trailer coupling. Unlike similar products, no three-point linkage or downward offset of the trailer coupling is necessary.

✓ No lateral pulling

Lateral pulling is avoided by three factors:

- Good tracing thanks to the ballasted single-axle chassis
- The claw-shaped turning cylinderprongs dig deeply into the compost.
- Differential lock



TAK – Compost turner self-propelled

- ✓ for tractors between 60-100 HP without built-in super crawler gear
- ✓ suitable for high duty use
- ✓ low power requirement through extremely slow forward movement
- ✓ differential lock on drive axle
- ✓ fully hydraulically, steplessly controllable super crawler gear
- ✓ stack size up to 3.00m x 1.70m



AK – Compost turner for tractors with super crawler gear

- ✓ for tractors with built-in super crawler gear (max 300m/hr at 2000 r.p.m)
- ✓ suitable for high duty use
- ✓ stack size up to 3.50m x 1.80m



Hydraulic system (TAK and AK) available in two versions:

A) Basic system

Powered from the tractor pump with tractor controls (40-60 lt/min with 180 bar)

B) Control block on mixer

Powered from the hydraulic pump, but only in conjunction with a single-acting control unit with return line. Operation via control unit on mixer, accessible from the tractor driver's seat.



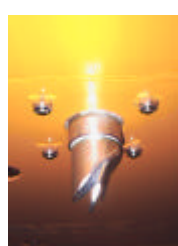
Prows: for a clean take up of the border zones



Flow scraper: that the coating at the bottom will be processed completely



Watering system: pipes + connexion + nozzle



Larger rotor: for higher windrows



Electric cable main line for a more comfortable working

Technical details	AK III	AK III-s	TAK III
Channel dimensions width x height	3,00 m x 1,70 m	3,30 m x 1,80 m	3,00 m x 1,70 m
Working width	3,30 m	up to 3,50 m	3,30 m
Deliverable rotor diameter	720/880 mm	880 mm	720/880 mm
Length overall	3,75 m	3,75 m	3,85 m
Height overall (excl. jockey wheel)	3,97 m	4,27 m	3,97 m
Width (folded)	2,20 m	2,20 m	2,20 m
Width (working position)	5,40 m	5,70 m	5,40 m
Power requirement	ab 70 HP	100 - 140 HP	60 – 100 HP
Hydraulic pump output	20-60 lt/min at 180 bar	20-60 lt/min at 180 bar	20-60 lt/min at 180 bar
Tyres	11,5/80-15	15.0/55-17 10 AW	12.4 – 28 AS
Unladen weight (incl. ballast)	2700 kg	3550 kg	2950 kg

All machines filled with hydraulic oil HLP32.

All details subject to technical changes!



MORAWETZ
Maschinenbau- und Großhandel
A-4943 Geinberg/OÖ ■ Austria
 Telefon 0 77 23 / 42 2 17 ■ Fax 0 77 23 / 42 2 17-15
 om Ausland: Tel. ++43/7723/42217 ■ Fax ++43/7723/42217-15
 Email: Morawetz@ivnet.co.at Internet: www.morawetz.net

