

QUENTIN CURRIE



Decoration in Gold
for REFORM METRAC 3000
at Brno and Leipzig



RF



REFORM
METRAC 3000
MÄHER 112 K

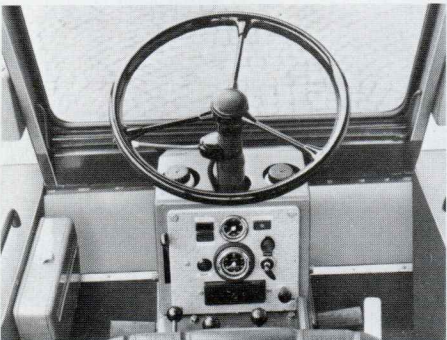
REFORM METRAC 3000

Title Picture:

REFORM METRAC 3000 with double-knife mowing unit BUSATIS, 2 m working width, hydraulic drive — clutch-independent, with overload-protection, ideal in difficult terrain due to low weight. Mowing speed up to more than 10 km/h! Never clogs up.



Even in winter METRAC knows no standstill: with a snow-shield (and possibly a sand- and salt distributor) it can be used where trucks cannot go.



The work-position in the METRAC cockpit: modern, functional, comfortable. Excellent all-round view, instrument-board and front units within the driver's view, operating elements within easy reach.



Short operating breaks due to easy maintenance: a single manipulation allows you to tip the loading platform (320 kg payload) and you have complete access to the motor and auxiliary units. None turns more easily: thanks to hydrostatic rear-wheel steering only 7 m turning circle diameter. Important for work with the front units: the vehicle follows exactly in the track of the mowing- or clearing unit.

The modern all-wheel drive mower-tractor with central drivers cab and ideal characteristics for the use of front- and rear-mounted devices on slopes up to 60%. Its technology is determined by progress, i.e. it is altogether novel and unusual: as the first novelty the front-mounted units on the 3-

point lifting hoist. Can be replaced quickly and without tools. Then the hydrostatic rear-wheel steering (see picture at bottom left). The wide track and the very low, centrally situated center of gravity result in excellent adhesion when travelling along contour lines. A differential lock in the front axle gearing, 8 forward- and 8 reverse



Flail-mowing unit CARROY-GIRAUDON TPP 1600 1 D, working width 1,60 m, drive through front-pto. Mows and chops grass and light shrubbery of all kinds — no

need for removal (formation of humus). For slopes, ski-pistes, forestry, fruit- and wine-growing.



Disc Mowing Unit WELGER SM 4, working width 1,7 m (4 discs), driven off the

front-pto. Needs little maintenance, simple, robust.

for a better cut-off

speeds, as well as a pivoting rear axle guarantee safe driving in any terrain. The Deutz diesel producing 24 kW (33 DIN HP) allows the necessary traction force to be transmitted to the wheels, and the two pto's or the hydromotor respectively. You as an expert know what you have to demand of your new multipurpose-terrain

tractor: safety, efficiency, multiple use, robust construction. We, of REFORM are able to offer you all of these. A machine that has come through its tests with the communities and the road maintenance centers, as well as in hard mountain-agriculture, with flying colours — the REFORM METRAC 3000.



Rotary Lawn Cutter VOTEX A3 1801, working width 1,80 m, 3 straight knives driven off the front-pto via a V-belt. Robust,

needs little maintenance, for large area lawns, capacity between 1 and 2 ha/h.

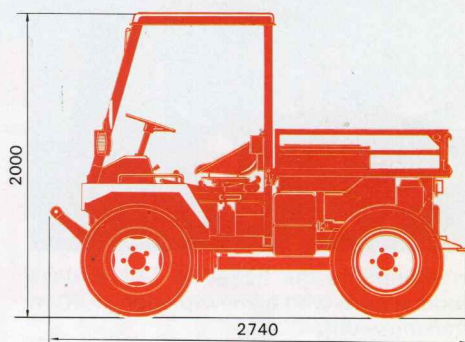
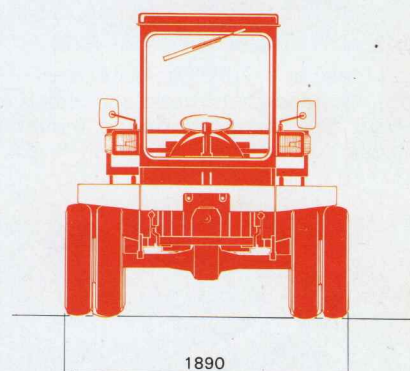


Three-Cylinder type Lawn Cutter, working width 2,30 m, driven by front pto. For

maintenance of finest lawn.

Technical Data

- Motor: Two-cylinder diesel Deutz F2L 511 D, 24,3 kW (33 HP) at 2700 rpm, air-cooled.
- Clutch: single-plate dry clutch.
- Transmission: 8 forward and 8 reverse gears (2,4 to 25 km/h), pto at front and rear, dependent from gearbox 533 rpm. On request: crawl gear. (1st slow speed: 600 m/h)
- Front Axle: rigid transmission axle with differential lock.
- Rear Axle: steering transmission axle, articulated and oscillating.
- Brakes: operating brake, acting hydraulically on front wheels; independent hand-brake, acting mechanically on transmission.
- Steering: hydrostatic steering (ZF-Servostat).
- Wheels and Tyres: 6,50-16 AS twin in front, 29x12,00-15 single at rear. On request: front and rear 31 x 15,50-15 Terra single.
- Electrical Equipment: headlights, two trafficators in front, tail- and trafficator lights at rear, battery 12 V 98 Ah.
- Optional Equipment:
 - Front Lifting Hoist: mounting dimensions according to 3-point mounting size 1 DIN 9674, 600 kp lifting capacity at coupling points.
 - Safety Cab: protection against toppling, with electric windshield wiper installation.
- Loading Platform: can be swivelled for motor maintenance, 320 kg payload.
- Dimensions:
 - vehicle length 2740 mm,
 - vehicle height 2000 mm,
 - vehicle width 1890 mm,
 - wheel base 1650 mm,
 - width of track front 1486 mm,
 - rear 1335 mm
- Weights:
 - diam. of turning circle approx. 7 m
 - weight of chassis and cab unloaded 1210 kg
 - admissible load front axle 1050 kg
 - admissible load rear axle 900 kg
 - admissible total weight 1600 kg
- Hill climbing ability: 60% with dry soil.
- Attachable Equipment:
 - Front: Busatis double-knife mowing unit, cutting width 2 m, hydraulic mowing drive; V-belt rake, flail mower, rotary lawn cutter, earth auger, cylinder type lawn cutter, disc mowing unit, snow shield.
 - Rear: Sand- and salt distributor, as well as diverse units for lawn care.
- Test Reports: Federal Institute for the Road Economy, Innzell/FRG, Wieselburg/Austria, Repy/CSSR.
- Construction changes due to technical progress reserved.



REFORM 112 K

Road culverts, water ditches, railway dams; mowing such surfaces places extreme demands on a mower. Here only the best is good enough. We, the REFORM-people — with 30 years experience in mower-construction (more than 100.000 units) know what is needed. For this we have developed the 112 K.

A motor possessing the necessary power reserves; a transmission with 3 forward and one reverse speed; a differential lock; steering bars adjustable in height and sideways; a quick closure to mount the mower unit, flail-mower, V-belt-rake or snow-clearing shield.

The mower was tested by the Federal Institute for the Road Economy, at its Innzell testing installation. An excerpt from the report reads: „In comparison with the state of the art of other comparable mowers this machine is classified as ‚very good““. (Excerpt from Test Protocol no. 1/7B, July 1978.)

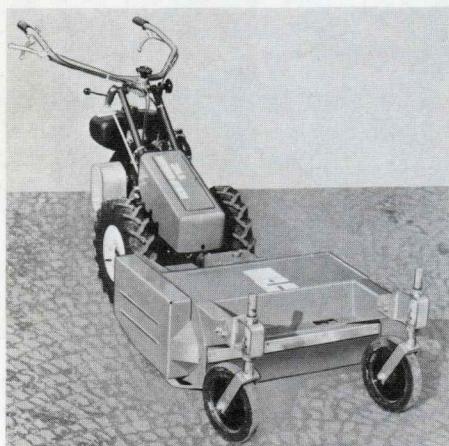
The following test reports are available: Federal Institute for the Road Economy, Innzell (FRG), Federal Testing Institute Wiesenburg (Austria).



REFORM 112 K with ESM-communal bar: strongest grass and weeds. Spring-loaded without fingers, no clogging-up. Cuts the knife guiding arms for a clean cut.

Technical Data:

Motors:	ROTAX 2-stroke, gasoline, 5,6 kW, or MAG 4-stroke, gasoline, 5,6 kW. Both motors are fitted with retracting starter, speed governor, oilbath-airfilter (Rotax) or dry filter respect. with exchangeable cartridge (MAG) and lighting coil.
Serial Equipment:	rubber tyres 4.00-8 or steelplate wheels, communal bar ESM 37/26, 136 cm, with rocker arm guide. On request: Communal bar ESM 37/26, 168 cm, or medium finger bar, 145 cm or 160 cm, fine-cut finger bar, 145 or 160 cm, for ornamental lawns, parks, sports grounds, etc.
Steering Bars:	rubber bearings, adjustable in height and sideways.
Wheel Axle:	split axle, differential with lock.
Mowing Gear:	for 1st and 2nd forward gear, reverse gear and shift in neutral.
Driving Gears:	3 forward gears, 1 reverse gear.
Driving Speeds: (with tyres 4.00-8 and motor revs 3600 rpm.)	1st gear: 2,2 km/h 2nd gear: 3,8 km/h 3rd gear: 7,1 km/h Reverse gear: 2,6 km/h
Independent Hand-brake:	serial internal shoe brake, lockable.
Oil-bath Mowing Drive:	removable without tools, quick closure, can be replaced through front V-belt rake, flail mower, snow-plough.
Weight (with mowing bar 137 cm):	171 kg
Additional Equipment:	
Wheels:	additional spade wheels adjacent to rubber wheels 4.00-8 (with quick closure), broad track rims adjacent to steel-plate wheels (screwed), twin-rubberwheels 4.00-8 (with fast closure), twin- and triple rubber-wheels 4.00-8 (screwed).
Additional Devices:	band rakes, working width 160 cm, weight 162 kg, recommended: subsidiary rubber-wheels 4.00-12, snow-clearing shield, working width 140 cm, weight 50 kg, flail mower unit, working width 66 cm, weight 160 kg.



Flail mower unit CARROY-GIRAUDON TP 662 mows and chops grass and weeds of all kinds. Working width 66 cm, mounted with quick coupling.



In wintertime the REFORM 112 K does good service with a snow-plough, 1,40 m working width.

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