

**VANDAELE**<sup>®</sup>  
Roadside machinery with green values

## MACHINES FOR PROFESSIONALS



## MOTOR-DRIVEN MACHINES

[www.vandaele.biz](http://www.vandaele.biz)









# THE COMPANY

**TVL 12-22 / TVL 14-22 / TVL 162-22 ..... P 06**

**TV 16-22 / TV 18-23 ..... P 08**

**TV 180 / TV 20-26 ..... P 10**

**TV 16-22 DATC / TV 18-23 DATC  
(tracked machines) ..... P 12**

“Vandaele Konstruktie” was founded in the early nineties when the original company “Vandaele Brothers”, founded in 1966 by Roland and Robert Vandaele, was split up because of a too wide variety of activities. “Vandaele Brothers” was already renowned since the mid-sixties as one of the first companies that assembled mowers for green-keeping for government and municipal applications.

After the split-up of the mother company, Vandaele Konstruktie further concentrated on its main activities: in-house development and construction of machines for intensive use in the professional green keeping market. In the mid-eighties, Vandaele added professional wood chippers to their range, another segment in which the company reached the absolute top.

## Establishments

Vandaele Konstruktie strengthen its presence on the Belgian market by founding the company Vandaco in Ciney in 1989. 10 years later, this company was expanded and completely modernised.

The Oostrozebeke branch is about 8000 m<sup>2</sup> and houses offices, the production department, a repair workshop and a warehouse. Vandaco is about 2000 m<sup>2</sup> and houses offices, a repair workshop and a warehouse.

## Knowhow

Because of the enormous know-how and the experience that was built up during the last decades, Vandaele is able to anticipate perfectly on the always changing customer needs. The advantage of in-house manufacturing ensures that special constructions are easy to deliver upon simple demand of the customer.

Vandaele products are renowned for their high quality, user friendliness and durability. Vandaele is an Iso-certificated company and has a European homologation for its trailers (COC). Vandaele is to be found in over 30 countries.



**VANDAELE KONSTRUKTIE  
STATIONSSTRAAT 119  
8780 OOSTROZEBEKE  
BELGIË**

**TEL 056/66 45 01  
FAX 056/67 24 96  
info@vandaele.biz  
www.vandaele.biz**





## STANDARD ON ALL MACHINES

- A solid funnel, monocoque or foldable
- Safety bar surrounding the complete funnel, mounted on a parallelogram
- Knives never need sharpening and consist of separate sections. Each section can be replaced individually
- Chipper disc is balanced, mounted on heavy bearings and equipped with welded ventilation blades on the back of the disc
- Double aggressive infeed rolls in tempered steel
- Hardox housing
- Discharge chute 300° rotation (EN13525)
- Centralized greasing points
- Anti-stress system
- Easy access to knives and counter knives
- Noise reducing coating on top cover and discharge chute
- CE-certified





# INDIVIDUAL ADJUSTMENTS



Personalize your machine with your company colours. The machine can be painted in any RAL colour.



Foldable funnel.



Comb in the top cover/ discharge chute for calibrated chips.

Machine on turntable.



Transparent flaps in the funnel.



Electric top cover lock.



Adjustable drawbar.



Emergency buttons on funnel or top cover.



Manual winch to lower the discharge chute.



Spare wheel.



Extended or shortened discharge chute. According to your wishes.







**TVL 12-22 D**  
**TVL 14-22 D**  
**TVL 16-22 D**  
**Machines below 750 kg**





**TVL 12-22 D**  
**TVL 14-22 D**  
**TVL 16-22 D**

## STANDARD

2 Knives in Tungsten carbide

Counter knife in Tungsten carbide

Speed chipper disc : 1250 RPM

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

High discharge chute 2,5 m with adjustable flap, 300° rotation (EN 13525)

Built-in diesel engine KUBOTA V1505-E2B, 4 cyl, 35 hp – electric start – own battery

15 liter fuel tank

Drive of the chipper disc by centrifugal clutch and belt transmission

Battery 12 Volts, battery key

Hour meter

Anti-stress system SECURE PLUS, 2 emergency buttons

Basic machine, mounted on a high-speed trailer (80 km/h), fixed drawbar, ball hitch, inertia brake, support wheel, mudguards and LED lights, tires 155/70-13

Electric top cover lock

Payload V 1505 : 745 KG

## OPTIONS

Spare wheel 155/70-13 without support

Other RAL colour instead of RAL 2011

Other RAL colour instead of RAL 7011





**VANDAELE**<sup>®</sup>   
Roadside machinery with green values



**TV 18-23 D**  
**Compact 18 cm machine**



**TV 16-22 D**  
**Powerful and robust “workhorse”**



## STANDARD

2 Knives in Tungsten carbide

Counter knife in Tungsten carbide

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

High discharge chute 2,50 m with adjustable flap, 300° rotation (EN 13525)

**ENGINE HATZ 3L41C** noise reduced , 3 cyl. Air cooled, 38 kW, 52 HP, with automatic fluid coupling and reduction gear box, direct transmission of the chipper disc through flexible coupling (= no belts), battery 12 Volts.

Machine mounted (fixed) on galvanised trailer high speed (80 km/h), with mudguards and lights (13 pole) tires 185/14, support wheel and ball hitch

Dashboard in closed box/ electric fuel gauge indicator

Anti-stress system **SECURE**

Hour meter

Battery key

Top cover protection (machine will not start if top cover is open)

## OPTIONS

TV 16-22 D TV 18-23 D

Adjustable drawbar with DIN eye

✓

✓

Spare wheel for trailer (185/14 or 20,5x 8,0-10)

✓

✓

Extra noise reducing kit on engine, consisting of:  
Plastic flaps in the funnel, noise reducing coating on funnel, fluid coupling and gearbox.  
Noise reducing material in the doors

✓

✓

Transparent flaps in the funnel

✓

✓

Electric top cover lock

✓

✓

Other RAL colour instead of RAL 2011

✓

✓

Other RAL colour instead of RAL 7011

✓

✓

Extended discharge chute (+1 m) on turntable

✓

✓

Studded top infeed roll

✓

✓

Rotating version

✓

✓

Emergency buttons on the funnel or on the top cover

✓

✓

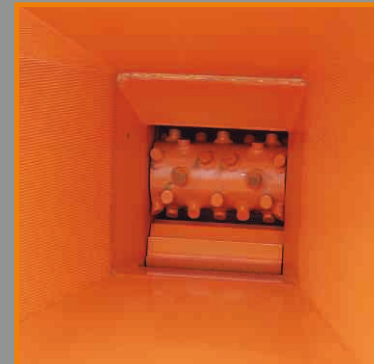
2-part foldable funnel

✓

✓

MOTOR HATZ 3L41C noise reduced , 3 cyl. air cooled, 52 HP.

Machine built in line with direct drive without belts or mechanical coupling.







**TV 20-26 D**



**TV 180 D**

**The middle-class models  
for real professionals**



## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

Discharge chute:  $\pm$  2,85 m high, 300° rotation (EN 13525)

ENGINE HATZ 3L41C noise reduced , 3 cyl. Air cooled, 38 kW, 52 HP, with automatic fluid coupling and reduction gear box, direct transmission of the chipper disc through flexible coupling (= no belts), battery 12 Volts.

Machine revolving over 360°, mounted on ball-bearing, with high speed trailer 80 km/h, tires 185/14 or 20.5x8.0-10, support wheel and ball hitch

dashboard in closed box/ electric fuel gauge indicator

Anti-stress system SECURE

Hour meter

Battery key

Top cover protection (machine will not start if top cover is open)

## OPTIONS

TV 180 D

TV 20-26 D

Spare wheel for trailer  
(185/14 or 20,5x 8,0-10)

✓

✓

Extra noise reducing kit on engine, consisting of:  
Plastic flaps in the funnel, noise reducing coating on funnel, fluid coupling and gearbox.  
Noise reducing material in the doors

✓

✓

Transparent flaps in the funnel

✓

✓

Electric top cover lock

✓

✓

Other RAL colour instead of RAL 2011

✓

✓

Other RAL colour instead of RAL 7011

✓

✓

Extended discharge chute (+1 m) on turntable

✓

✓

Foldable discharge chute + support

✓

✓

Manual winch to lower the discharge chute

✓

✓

2-part foldable funnel

✓

✓

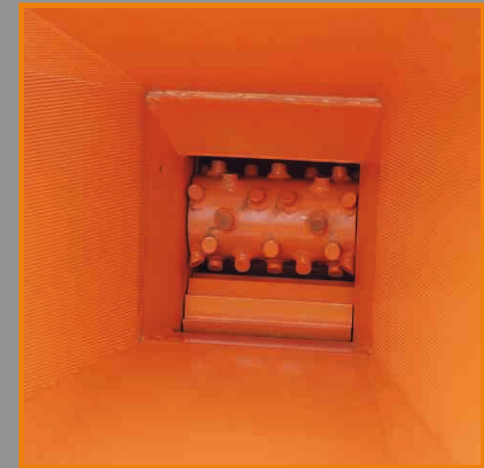
Emergency buttons on the funnel or on the top cover

✓

✓







**TV 16-22 DATC**  
**TV 18-23 DATC**  
**Tracked machines**



**VANDAELE**  
Roadside machinery with green values



SPECIFICATION	TV 16-22 DATC	TV 18-23 DATC
Maximum diameter of the wood (cm)	16	18
Infeed opening (H x L)	160 x 225	180 x 230
Diameter chipper disk (mm)	800	800
Thickness of the chipper disk (mm)	30	30
Number of knives	2	2
Total number of knife sections	10 (2 x 5)	10 (2 x 5)
Total number of counter knife sections	7	7
Infeed rolls	2 – horizontal	2–horizontal
Hydraulic oil capacity	8 ,5 liters	8 ,5 liters
Height discharge chute (cm)	230	230
Weight (Kg)	1.800	1.800
Measurements infeed funnel (L x W x H)	135 x 100 x 92 cm	135 x 100 x 92 cm
Measurements of the machine L x W x H	348 x 142 x 260 cm	348 x 142 x 260 cm
Engine	Hatz 52 hp – 3 cyl – air	Hatz 52 hp – 3 cyl – air
Fuel / tank capacity	Diesel / 30 liters	Diesel / 30 liters
Noise level Lwa	114	114

## STANDARD

2 knives in Tungsten carbide

Counter knife in Tungsten carbide

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

Discharge chute: ± 2,3 m high, 300° rotation (EN 13525)

ENGINE HATZ 3L41C noise reduced , 3 cyl. Air cooled, 38 kW, 52 HP, with automatic fluid coupling and reduction gear box, direct transmission of the chipper disc through flexible coupling (= no belts), battery 12 Volts.

Machine revolving over 360° on a tracked undercarriage, triple pump, adjustable speed between 0 en 4,5 km/h. R/C remote control with charger for tracked undercarriage. Full proportional – oil tank moved – no man-platform – spare battery for remote control. Length machine : 348 cm

Dashboard in closed box/ electric fuel gauge indicator

Anti-stress system SECURE

Hour meter

Battery key

Top cover protection (machine will not start if top cover is open)

## OPTIONS

TV 16-22 DATC TV 18-23 DATC

Extra noise reducing kit on engine, consisting of:  
Plastic flaps in the funnel, noise reducing coating on funnel, fluid coupling and gearbox.  
Noise reducing material in the doors

✓ ✓

Transparent flaps in the funnel

✓ ✓

Electric top cover lock

✓ ✓

Other RAL colour instead of RAL 2011

✓ ✓

Other RAL colour instead of RAL 7011

✓ ✓

Extended discharge chute (+1 m) on turntable

✓ ✓

Studded top infeed roll

✓ ✓

2-part foldable funnel

✓ ✓

Emergency buttons on the funnel or on the top cover

✓ ✓







# MOTOR-DRIVEN MACHINES

SPECIFICATIONS	TVL 12-22 D	TVL 14-22 D	TVL 16-22 D	TV 16-22 D	TV 18-23 D	TV 180 D	TV 20-26 D
Maximum diameter of the wood (cm)	12 cm	14 cm	16 cm	16 cm	18 cm	18 cm	20 cm
Infeed opening (H x L)	120 x 220	140 x 220	160 x 220	160 x 225	180 x 230	180 x 260	200 x 260
Diameter chipper disk (mm)	680	680	680	680	680	800	800
Thickness of the chipper disk (mm)	20	20	20	30	30	35	35
Number of knives	2	2	2	2	2	2	2
Total number of knife sections	10 (2 x 5)	10 (2 x 5)	10 (2 x 5)	10 (2 x 5)	10 (2 x 5)	14 (2 x 7)	14 (2 x 7)
Total number of counter knife sections	7	7	7	7	7	8	8
Infeed rolls	2 – horizontal	2 – horizontal	2 – horizontal	2 – horizontal	2 – horizontal	2 – horizontal	2 – horizontal
Hydraulic oil capacity	8 liters	8 liters	8 liters	8,5 liters	8,5 liters	10 liters	10 liters
Height discharge chute (cm)	250	250	250	250	250	285	285
Weight (Kg)	745	745	745	1.300	1.360	1.750	1.750
Measurements infeed funnel (L x W x H)	135 x 100 x 92 cm	135 x 100 x 92 cm	135 x 100 x 92 cm	135 x 100 x 92 cm	135 x 100 x 92 cm	150 x 115 x 85 cm	150 x 115 x 85 cm
Measurements of the machine (L x W x H)	370 x 150 x 250 cm	370 x 150 x 250 cm	370 x 150 x 250 cm	450 x 165 x 260 cm	450 x 165 x 260 cm	475 x 195 x 285 cm	475 x 195 x 285 cm
Engine	Kubota V1505-E2B 35 hp – 4 cyl - water	Kubota V1505-E2B 35 hp – 4 cyl - water	Kubota V1505-E2B 35 hp – 4 cyl - water	Hatz 52 hp – 3 cyl – air	Hatz 52 hp – 3 cyl – air	Hatz 52 hp – 3 cyl – air	Hatz 52 hp – 3 cyl – air
Fuel / tank capacity	Diesel / 15 liters	Diesel / 15 liters	Diesel / 15 liters	Diesel / 30 liters	Diesel / 30 liters	Diesel / 32 liters	Diesel / 32 liters
Tires	155/70 R13	155/70 R13	155/70 R13	185/65 R14	185/65 R14	20,5 x 8,00-10	20,5 x 8,00-10
Noise level Lwa	114	114	114	114	114	114	114





**VANDAELE**<sup>®</sup>   
*Roadside machinery with green values*



**ReTec Miljø ApS**  
Fjordagervej 38  
DK-6100 Haderslev  
Tel: +45 7456 8106  
[www.retec.dk](http://www.retec.dk)