

Experienced  
Performance

**VACUUM TYPE**  
ROAD SWEEPERS



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## VACUUM TYPE ROAD SWEEPERS

General features of **CNR** series Vacuum type road sweeper machines with gearbox actuating fan system;

Different size of vacuum type road sweepers from 3,5 cubic meters to 9,5 cubic meters can install to suitable truck chassis.

Standard 115 Hp Auxiliary Engine generate enough power for vacuuming. 115 Hp Engine can generate necessary power with the optimum rpm with low noise level and fuel saving.

A stainless steel water tank with a 10% slope at the bottom of the hopper gives great advantage to slip away garbage.

Fiber doors on both size give easy access to the auxiliary engine in case of maintenance or break down.

Easy to understand and user friendly control panel give advantage to the operator to control whole system.



CNR manufactures different size of vacuum type road sweepers from 3,5 cubic meters to 9,5 cubic meters can install to any suitable carrier vehicles.



User friendly control panel with upgraded functions



Fiberglass side doors allow to access fan and engine room easy to do maintenance



Long lasting, easy to change special design side brushes with reasonable prices

# VACUUM TYPE ROAD SWEEPERS



Stainless Steel water tank  
from 1.100 lt. thru 2.300 lt.



Different size of vacuum  
type road sweepers from  
3,5 cubic meters to 9,5  
cubic meters can install to  
any suitable carrier  
vehicles.



Easy to use Ergonomic  
design 5 meters long  
wander hose with  
lightweight materials



Easy to change and aging  
resistance middle brush  
with reasonable prices



Additional vacuum mouth  
frame against impact, 2  
front and 2 side water  
nozzles



Easy to control and user  
friendly external side  
control panel



**CAPACITY INFORMATION**

Hopper volume	3.5 m <sup>3</sup>
Payload volume	3 m <sup>3</sup>
Payload capacity	1 - 2 tons (chassis dependent)
Water tank	1.100 lt. Stainless Steel (AISI304) Integrated with hopper
Hydraulic reservoir	60 lt.

**AUXILIARY ENGINE INFORMATION**

Brand - Model	Tumosan 4DT-41T-115C
Cubic Capacity	4,1 lt.
Number of cylinders	4
Type	Liquid cooled diesel
Power	115 hp / 86 kW @ 2.300 rpm
Torque	405 Nm @ 1.500 rpm
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	Ideal 1.500 - 1.600 rpm
Cold Start Capacity	-15 C°

**GENERAL INFORMATION**

Chassis requirement	6 - 7 tons
Wheelbase	3.300 - 3.500 mm
Dump height	950 mm Standard and chassis dependent
Dump angle	50° ± 5°
Door opening angle	90° ± 5°
Filter mesh area	1,1 m <sup>2</sup>
Dust spray pump output	20 lt / 100 bar (piston pump)
Hydraulic pump displacement	16,8 cc / rev
Sweeping speed	0 - 16 km / h
Hopper construction	Welded plain steel (stainless steel optional)
Dumping	Hydraulic to rear

**FAN**

Type	Heavy duty, dynamically balanced impeller with multivane corrosion resistance blades
Design	Whisper wheel fan system
Operation speed	In between variable 2.800 - 3.500 rpm
Drive	Fluid coupling or dry clutch gearbox
Gearbox ratio	1,8 : 1
Construction	Stainless Steel AISI304
Housing liner	Optional
Side brush	Ø 320 mm - 200 rpm Hydraulic motor driven
Middle brush	Ø 400 mm - 160 rpm Hydraulic motor driven
Nozzle diameter	Ø 250 mm
Nozzle wheel diameter	Ø 250 mm
Nozzle width	750 mm
Sweeping width	2.150 mm
Dual suction sweeping width	3.300 mm

**CONTROL PANEL**

Raised hopper warning
Auxiliary engine hour control
Low level water indicator
Engine tachograph meter
Control monitoring system

**OPTIONS**

Wander house with boom and trunking excess 5 meters long
High pressure washing system (30 lt / 200 bar)
Variable and adjustable side brush speed
Variable side brush positioning system
Simultaneous dual suction





## CAPACITY INFORMATION

Hopper volume	4.5 m <sup>3</sup>
Payload volume	3.5 m <sup>3</sup>
Payload capacity	2 - 3 tons (chassis dependent)
Water tank	1.100 lt. Stainless Steel (AISI304) Integrated with hopper
Hydraulic reservoir	60 lt.

## AUXILIARY ENGINE INFORMATION

Brand - Model	Tumosan 4DT-41T-115C
Cubic Capacity	4,1 lt.
Number of cylinders	4
Type	Liquid cooled diesel
Power	115 hp / 86 kW @ 2.300 rpm
Torque	405 Nm @ 1.500 rpm
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	Ideal 1.500 - 1.600 rpm
Cold Start Capacity	-15 C°

## GENERAL INFORMATION

Chassis requirement	7 - 9 tons
Wheelbase	3.300 - 3.500 mm
Dump height	950 mm Standard and chassis dependent
Dump angle	50° ± 5°
Door opening angle	90° ± 5°
Filter mesh area	1,1 m <sup>2</sup>
Dust spray pump output	20 lt / 100 bar (piston pump)
Hydraulic pump displacement	16,8 cc / rev
Sweeping speed	0 - 16 km / h
Hopper construction	Welded plain steel (stainless steel optional)
Dumping	Hydraulic to rear

## FAN

Type	Heavy duty, dynamically balanced impeller with multivane corrosion resistance blades
Design	Whisper wheel fan system
Operation speed	In between variable 2.800 - 3.500 rpm
Drive	Fluid coupling or dry clutch gearbox
Gearbox ratio	1,8 : 1
Construction	Stainless Steel AISI304
Housing liner	Optional
Side brush	Ø 320 mm - 200 rpm Hydraulic motor driven
Middle brush	Ø 400 mm - 160 rpm Hydraulic motor driven
Nozzle diameter	Ø 250 mm
Nozzle wheel diameter	Ø 250 mm
Nozzle width	750 mm
Sweeping width	2.150 mm
Dual suction sweeping width	3.300 mm

## CONTROL PANEL

Raised hopper warning
Auxiliary engine hour control
Low level water indicator
Engine tachograph meter
Control monitoring system

## OPTIONS

Wander house with boom and trunking excess 5 meters long
High pressure washing system (30 lt / 200 bar)
Variable and adjustable side brush speed
Variable side brush positioning system
Simultaneous dual suction



## CAPACITY INFORMATION

Hopper volume	5.5 m <sup>3</sup>
Payload volume	5 m <sup>3</sup>
Payload capacity	3 - 4 tons (chassis dependent)
Water tank	1.500 lt. Stainless Steel (AISI304) Integrated with hopper
Hydraulic reservoir	60 lt.

## AUXILIARY ENGINE INFORMATION

Brand - Model	Tumosan 4DT-41T-115C
Cubic Capacity	4,1 lt.
Number of cylinders	4
Type	Liquid cooled diesel
Power	115 hp / 86 kW @ 2.300 rpm
Torque	405 Nm @ 1.500 rpm
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	Ideal 1.500 - 1.600 rpm
Cold Start Capacity	-15 C°

## GENERAL INFORMATION

Chassis requirement	10 - 12 tons
Wheelbase	3.300 - 3.500 mm
Dump height	1.000 mm Standard and chassis dependent
Dump angle	50° ± 5°
Door opening angle	90° ± 5°
Filter mesh area	1,1 m <sup>2</sup>
Dust spray pump output	20 lt / 100 bar (piston pump)
Hydraulic pump displacement	16,8 cc / rev
Sweeping speed	0 - 16 km / h
Hopper construction	Welded plain steel (stainless steel optional)
Dumping	Hydraulic to rear

## FAN

Type	Heavy duty, dynamically balanced impeller with multivane corrosion resistance blades
Design	Whisper wheel fan system
Operation speed	In between variable 2.800 - 3.500 rpm
Drive	Fluid coupling or dry clutch gearbox
Gearbox ratio	1,8 : 1
Construction	Stainless Steel AISI304
Housing liner	Optional
Side brush	400 mm - 200 rpm Hydraulic motor driven
Middle brush	Ø 400 mm - 160 rpm Hydraulic motor driven
Nozzle diameter	Ø 250 mm
Nozzle wheel diameter	Ø 250 mm
Nozzle width	750 mm
Sweeping width	2.400 mm
Dual suction sweeping width	3.450 mm

## CONTROL PANEL

Raised hopper warning
Auxiliary engine hour control
Low level water indicator
Engine tachograph meter
Control monitoring system

## OPTIONS

Wander house with boom and trunking excess 5 meters long
High pressure washing system (30 lt / 200 bar)
Variable and adjustable side brush speed
Variable side brush positioning system
Simultaneous dual suction



## CAPACITY INFORMATION

Hopper volume	7.5 m <sup>3</sup>
Payload volume	7 m <sup>3</sup>
Payload capacity	5 tons (chassis dependent)
Water tank	1.800 lt. Stainless Steel (AISI304) Integrated with hopper
Hydraulic reservoir	60 lt.

## AUXILIARY ENGINE INFORMATION

Brand - Model	Tumosan 4DT-41T-115C
Cubic Capacity	4,1 lt.
Number of cylinders	4
Type	Liquid cooled diesel
Power	115 hp / 86 kW @ 2.300 rpm
Torque	405 Nm @ 1.500 rpm
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	Ideal 1.500 - 1.600 rpm
Cold Start Capacity	-15 C°

## GENERAL INFORMATION

Chassis requirement	15 - 20 tons
Wheelbase	3.500 - 3.800 mm
Dump height	950 mm Standard and chassis dependent
Dump angle	50° ± 5°
Door opening angle	90° ± 5°
Filter mesh area	1,1 m <sup>2</sup>
Dust spray pump output	20 lt / 100 bar (piston pump)
Hydraulic pump displacement	16,8 cc / rev
Sweeping speed	0 - 16 km / h
Hopper construction	Welded plain steel (stainless steel optional)

Dumping Hydraulic to rear

## FAN

Type	Heavy duty, dynamically balanced impeller with multivane corrosion resistance blades
Design	Whisper wheel fan system
Operation speed	In between variable 2.800 - 3.500 rpm
Drive	Fluid coupling or dry clutch gearbox
Gearbox ratio	1,8 : 1
Construction	Stainless Steel AISI304
Housing liner	Optional
Side brush	Ø 450 mm - 200 rpm Hydraulic motor driven
Middle brush	Ø 400 mm - 160 rpm Hydraulic motor driven
Nozzle diameter	Ø 250 mm
Nozzle wheel diameter	Ø 250 mm
Nozzle width	750 mm
Sweeping width	2.450 mm
Dual suction sweeping width	3.500 mm

## CONTROL PANEL

Raised hopper warning
Auxiliary engine hour control
Low level water indicator
Engine tachograph meter
Control monitoring system

## OPTIONS

Wander house with boom and trunking excess 5 meters long
High pressure washing system (30 lt / 200 bar)
Variable and adjustable side brush speed
Variable side brush positioning system
Simultaneous dual suction



## CAPACITY INFORMATION

Hopper volume	9.5 m <sup>3</sup>
Payload volume	9 m <sup>3</sup>
Payload capacity	7 tons (chassis dependent)
Water tank	2.300 lt. Stainless Steel (AISI304) Integrated with hopper
Hydraulic reservoir	60 lt.

## AUXILIARY ENGINE INFORMATION

Brand - Model	Tumosan 4DT-41T-115C
Cubic Capacity	4,1 lt.
Number of cylinders	4
Type	Liquid cooled diesel
Power	115 hp / 86 kW @ 2.300 rpm
Torque	405 Nm @ 1.500 rpm
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	Ideal 1.500 - 1.600 rpm
Cold Start Capacity	-15 C°

## GENERAL INFORMATION

Chassis requirement	20 - 24 tons
Wheelbase	4.200 mm (6x4)
Dump height	1.050 mm Standard and chassis dependent
Dump angle	50° ± 5°
Door opening angle	90° ± 5°
Filter mesh area	1,1 m <sup>2</sup>
Dust spray pump output	20 lt / 100 bar (piston pump)
Hydraulic pump displacement	16,8 cc / rev
Sweeping speed	0 - 16 km / h
Hopper construction	Welded plain steel (stainless steel optional)

## Dumping

Hydraulic to rear

## FAN

Type	Heavy duty, dynamically balanced impeller with multivane corrosion resistance blades
Design	Whisper wheel fan system
Operation speed	In between variable 2.800 - 3.500 rpm
Drive	Fluid coupling or dry clutch gearbox
Gearbox ratio	1,8 : 1
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Nozzle diameter	Ø 250 mm
Nozzle wheel diameter	Ø 250 mm
Nozzle width	750 mm
Sweeping width	2.450 mm
Dual suction sweeping width	3.500 mm

## CONTROL PANEL

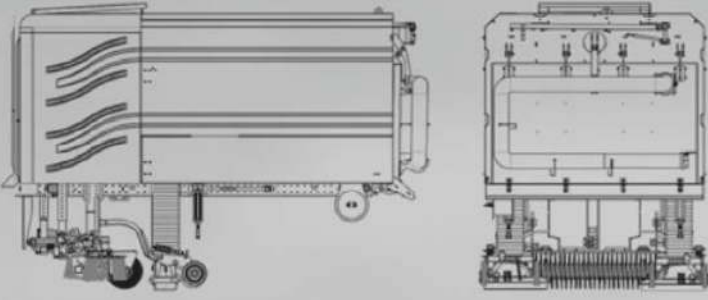
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manufactures superstructures that compatible all brands of trucks produced worldwide. Required model chassis will be studied by our engineering department before implementing.



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## Distributor Information

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