

TECHNICAL DATA SHEET

NOVE



GENERAL FEATURES:

Mechanical sweeper with vacuum system for dust control.
Version: Diesel, Electric 36V
With operator in front position
Refuse container in rear position
Exclusive vacuum system on side brushes "DUST BUSTER" RCM Patented
<i>Wheels: N°1 Front steering and drive, n° 2 rear</i>
<i>Working areas: Cleaning medium, ndoor and outdoor, private and public</i>

VERSION	NOVE D/1 Diesel	NOVE E Electric	NOVE DK Diesel
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PERFORMANCES

Max. cleaning capacity (with 2 side brushes)	m ² /h	10780	8470	10780
<i>Cleaning width:</i>				
Main brush	mm	900	900	900
Main brush + Right side brush	mm	1220	1220	1220
Main brush + 2 side brushes	mm	1540	1540	1540
Main brush + 3 side brushes	mm			
Max. transfer speed	km/h	8	6,5	8
Max. reverse speed	km/h	4,5	4	4,5
Max. working speed	km/h	7	5,5	7
Max. working gradient	%	16	14*	16
Max. gradient	%	18	16*	18

* Max. permitted gradients for a limited time only

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NOISE LEVEL (ISO 3744)

Sound pressure level in operating position	dB(A)	83,1	82,1	83,1
Sound power level in operating position	dB(A)	98	93	98

VIBRATION (ISO 2631/97)

Frequency weighted acceleration value	m/s ²	< 0,5	< 0,5	< 0,5
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ELECTROMAGNETIC COMPATIBILITY (EN61000/6/2 - EN61000/6/3)

Level of frequencies	dB μ V/m	< 50	< 50	< 50
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BRUSHES

Main brush, length	mm	900	900	900
Main brush, diameter	mm	285	285	285
Side brush, diameter	mm	560	560	560
Flap lifting system	type	mechanical	mechanical	mechanical

DUST VACUUM SYSTEM

Fan	n°/type	1/centrifugal	1/centrifugal	1/centrifug
Fan, diameter	mm	230	230	230
Vacuum cut-off	type	electric	electric	electric

DUST FILTERING SYSTEM

Filtering system	n°/type	8/cartridges	8/cartridges	8/cartridges
Filtering surface	m ²	8	8	8
Filtering material	type	cellulose	cellulose	cellulose
Dust filtering shaker	n°/type	1/electric 12V	1/electric 12V	1/electric 12V

REFUSE CONTAINER

Refuse container capacity	lt	160	160	160
Refuse container lifting	type	hydraulic	hydraulic	hydraulic
Refuse container emptying	type	hydraulic	hydraulic	hydraulic
Emptying height	mm	1430	1430	1430
Max. trasportable weight in the hopper	kg	95	95	95

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STEERING

Steering wheel (with pinion and crown gear)	type	mechanical	mechanical	mechanical
Number of turns from straight to full lock	n°	1+¼	1+¼	1+¼
Minimum "U"-turn space	mm	3050	3050	3050

ELECTRIC MOTORS

Drive motor				
Make			Metalrota	
Nominal power	rpm n°/V/W		2050 1/36/3200	
Brushes rotation motors				
Make			Amer	
Nominal power	rpm n°/V/W		75 1/36/90	
Vacuum motor				
Make		Amer	Amer	Amer
Nominal power	rpm n°/V/W	3000 1/12/300	3600 1/36/300	3000 1/12/300
Total power	W	300	3590	300
Starting	type		electric	

BATTERY

Quantity and capacity of the battery	n°-V-Ah	1/12/80	6/6/320	1/12/80
Battery dimension (length-width-height)	mm	275x175x195	(300x180x365)x6	275x175x195
Battery water	type	distilled water	distilled water	distilled water
Autonomy	h		2. 40'	
(Caution! Autonomy depends on the type of battery and the use of the machine)				

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ENGINE

Make		Lombardini		Kubota
Model	type	LDW 702		Z 602
Cylinders	n°	2		2
Bore	mm	75		72
Stroke	mm	77,6		73,6
Displacement	cm³	686		599
Max. Power	rpm	3600		3200
	kw/HP	12,5/17		10,8/14,5
Max.setting power	rpm	2750		2750
	kw/HP	10/13,6		10,5/14,2
Fuel consumption	lt/h	3		3
Cooling		water		water
Oil sump capacity	lt	1,6		2,5
Supply with Supermotoroil SAE 15W/40				
Fuel tank capacity	lt	15		15
Supply with		diesel oil		diesel oil
Starting	type	electric		electric
Autonomy	h	4. 15'		4.10'

DRIVE

Drive on wheel	pos.	front	front	front
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TRANSMISSION

Transmission system	type	hydrostatic	hydrostatic	hydrostatic
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WHEELS

Front	Ømm	303	300	303
	type	superelastic	cushion	superelastic
Rear	Ømm	303	303	303
	type	superelastic	superelastic	superelastic

BRAKES

Service brake	type	hydrostatic	hydrostatic	hydrostatic
Parking brake	type	mechanic	mechanic	mechanic

SUSPENSION

Front suspension	type	rigid	rigid	rigid
Rear suspension	type	rigid	rigid	rigid

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DIMENSIONS

Machine dimensions (length-width-height) without brushes	mm	1630x1210x1520	1630x1210x1520	1630x1210x1520
Packing dimensions (length-width-height)	mm			

WEIGHT

Machine weight in working condition without operator	kg	645	860	645
Battery weight	kg		288	
Packing weight	kg			

HYDRAULIC SYSTEM

Hydraulic motor on front wheel	n°	1	1	1
Hydraulic motor on main brush	n°	1	1	1
Hydraulic motor on side brush	n°	1		1
Hydraulic circuit capacity (tank included)	lt	12	12	12
Tank capacity	lt	10	10	10
Supply with Agip Rotra ATF (red)				
Gear pump	n°	1	1	1
Variable delivery pump	n°	1	1	1

INSTRUMENTS

Fan warning light		x	x	x
Battery Warning light		x	x	x
Fuel warning light		x		x
Side brush turning warning light			x	
Glow plugs warning light		x		x
Engine oil pressure warning light		x		x
Engine temperature water warning light		x		x
Hourmeter		x	x	x
Revolving light		x	x	x
Horn		x	x	x

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STANDARD EQUIPMENT

Engine/Electric motor	x	x	x
Service brake	x	x	x
Parking brake	x	x	x
Main brush driving control	hydraulic	hydraulic	hydraulic
Side brushes driving control	hydraulic	hydraulic	hydraulic
Main brush lifting	mechanical	mechanical	mechanical
Side brushes lifting	mechanical	mechanical	mechanical
Container lifting and emptying	hydraulic	hydraulic	hydraulic
Filter shaker	electric	electric	electric
Vacuum cut-off	electric	electric	electric
Vacuum system on side brushes type DUST BUSTER RCM patented"			
	x	x	x
Flap lifting system	mechanical	mechanical	mechanical
Dust filters	cellulose	cellulose	cellulose

OPTIONALS

Left side brush	x	x	x
Front dust conveyor	x	x	x
Overhead guard	x	x	x
Lights installation	x	x	x
reverse drive buzzer	x	x	x
Vacuum cleaner			
Homologation	x		x
Sack dust filter	x	x	x
Polyester dust filter	x	x	x