balers and bale wrappers

DF 1,8 V / 1,8 VD
DF 1,8 D / 1,8 DD
DF 1,8 Z / 1,8 ZD
MASTER D / V
KOSTKA
TWISTER E

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DF 1,8 V / 1,8 Vd

Chain and roller chamber
» universal baler for harvesting all kinds of materials

Non-Stop protection
» individual protection of the 14 cutter blades

Rotor
» forces smooth flow of the material, increasing the machine capacity

Lowered plate under the rotor
» comfort in case of clogging

Steerable ground following wheels
» Increase working comfort on headlands

70–90 HP
power demand

2,1 m
Pickup width

1,2 m
Bale diameter

mechanical/ hydraulic
lowering of the plate under the rotor

Chamber
chain and roller

Controller
Pilot Roto

DF 1,8 D / 1,8 Dd

Roller chamber
» Professional baler for harvesting material for ensilage

Non-Stop protection
» individual protection of the 14 cutter blades

Roller chamber
» Professional baler for harvesting material for ensilage

Lowered plate under the rotor
» comfort in case of clogging

Steerable ground following wheels
» Increase working comfort on headlands

70–90 HP
power demand

2,1 m
Pickup width

1,2 m
Bale diameter

mechanical/ hydraulic
lowering of the plate under the rotor

Chamber
roller

Controller
Pilot Roto

DF 1,7 Z / 1,7 Zd

Belt variable chamber
» Universal baler for harvesting all kinds of materials, with a smooth adjustment of the diameter and pressure

Proportional valve
» Enables pressure programming with a controller – without leaving the tractor cabin

Lowered plate under the rotor
» comfort in case of clogging

Non-Stop protection
» individual protection of the 14 cutter blades

Rotor
» Forces smooth flow of material increasing the machine capacity

Steerable ground following wheels
» Increase working comfort on headlands

80–110 HP
power demand

2,1 m
Pickup width

0,8-1,65 m
Bale diameter

Hydraulic
lowering of the plate under the rotor

Chamber
Belt

Controller
Pilot Roto

MASTER

Bale transfer
» and wrapping is carried out in the automatic mode

Reinforced
» double-sealed bearings

Non-Stop protection
» individual protection of the 14 cutterblades

Rotor
» forces smooth flow of material increasing the machine efficiency

Steerable ground following wheels
» Increase working comfort on headlands

90–110 HP
power demand

2,1 m
Pickup width

1,2 m
Bale diameter

Hydraulic
lowering of the plate under the rotor

Chamber
roller or chain and roller

Controller
Superior

KOSTKA

Reliable binding
» a unique Rasspe knotter is the heart of the machine

Adjustable cube length
» between 0.3 and 1.3 m

Feeder
» facilitates loading the cubes onto a trailer with a hitch

30 HP
power demand

1,85 m
Pickup width

0,3-1,3 m
Bale length

TWISTER E

Press hitch
» Enables connecting the wrapping machine to the press and their operation as one unit

Hydraulic drawbar control
» Facilitates the machine unfolding and folding

Knife
» Cuts off the film and holds it until subsequent wrapping operation

45 HP
power demand

Controller
Pilot Wrap

two film feeders
750 mm with automatic film tension control

1200 kg
Maximum bale weight

Bale
positioning device

Hydraulic
drawbar control

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DF 1,8 V / 1,8 Vd

CHAIN & ROLLER FIXED CHAMBER BALER

DF 1,8 Vd

STANDARD EQUIPMENT

- controller Pilot Roto
- rotor
- cutter – model DF 1,8 Vd – individual protection on knives , hydraulically lowered knives
- mechanically lowered plate under the rotor – model DF 1,8 V
- hydraulically lowered plate under the rotor – model DF 1,8 Vd
- discharge ramp
- net binder – model DF 1,8 Vd
- double twine binder – model DF 1,8 V
- 5-point adjustable compacting level
- mechanical tailgate lock
- 5-row pick-up
- rubber-tired ground-following wheels
- swath compression plate with ground-following roller
- reverse
- central point of bearings lubrication
- auto-lube system for drive chains
- PTO shaft (6×6, 830 Nm) with overload coupling (M=2 400 Nm), wide angle
- weels 400/60-15.5 – DF 1,8 V
- wheels 480/45-17 – DF 1,8 Vd
- steerable ground following wheels

MODEL	PRICE
DF 1,8 V	**25 400**
DF 1,8 Vd	**29 100**

ACCESSORIES AT EXTRA CHARGE	PRICE
applicator of ensilage fluids	**1 400**
additional box for the net	**290**
surcharge for hydraulically lowered plate under the rotor DF 1,8 V	**290**
surcharge for wheels size 480/45-17 DF 1,8 V	**710**
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm)	**470**
double twine binding DF 1,8 Vd	**1 200**
net binding DF 1,8 V	**1 900**
automatic bearing lubrication	**1 600**

TECHNICAL SPECIFICATIONS	DF 1,8 V	DF 1,8 Vd
type	chain & roller baler	chain & roller baler with cutter
bale dia. [m]	1,2	1,2
pick-up width [m]	2,1	2,1
no. of pick-up tine rows [pcs]	5	5
no. of pick-up tines [pcs]	160	160
no. of profiled rollers [pcs]	8	8
no. of knives [pcs]	n/a	14
PTO speed [rpm]	540	540
power demand on PTO [HP]	70÷80	70÷90
length [m]	3,6	3,6
width [m]	2,51	2,51
height [m]	1,95	1,95
weight [kg]	2510	2710

DF 1,8 D / 1,8 Dd

ROLLER FIXED CHAMBER BALER

DF 1,8 Dd

STANDARD EQUIPMENT

- controller Pilot Roto
- rotor
- cutter – model DF 1,8 Dd – individual protection on knives, hydraulically lowered knives
- mechanically lowered plate under the rotor – model DF 1,8 D
- hydraulically lowered plate under the rotor – model DF 1,8 Dd
- discharge ramp
- net binder – model DF 1,8 Dd
- double twine binder – model DF 1,8 D
- 5-point adjustable compacting level
- mechanical tailgate lock
- 5-row pick-up
- rubber-tired ground-following wheels
- swath compression plate with ground-following roller
- reverse
- central point of bearings lubrication
- auto-lube system for drive chains
- PTO shaft (6×6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- weels 400/60-15.5 – DF 1,8 D
- wheels 480/45-17 – DF 1,8 Dd
- steerable ground following wheels

MODEL	PRICE
DF 1,8 D	**25 400**
DF 1,8 Dd	**30 600**

ACCESSORIES AT EXTRA CHARGE	PRICE
applicator of ensilage fluids	**1 400**
additional box for the net	**290**
surcharge for hydraulically lowered plate under the rotor DF 1,8 D	**290**
surcharge for wheels size 480/45-17 DF 1,8 D *	**710**
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm) *	**470**
double twine binding DF 1,8 Dd	**1 200**
net binding DF 1,8 D	**1 900**
automatic bearing lubrication	**1 600**

TECHNICAL SPECIFICATIONS	DF 1,8 D	DF 1,8 Dd
type	roller baler	roller baler with cutter
bale dia. [m]	1,2	1,2
pick-up width [m]	2,1	2,1
no. of pick-up tine rows [pcs]	5	5
no. of pick-up tines [pcs]	160	160
no. of profiled rollers [pcs]	17	17
no. of knives [pcs]	n/a	14
PTO speed [rpm]	540	540
power demand on PTO [HP]	70÷80	70÷90
length [m]	3,74	3,74
width [m]	2,51	2,51
height [m]	2,07	2,07
weight [kg]	2320	2520

DF 1,7 Z / 1,7 Zd

VARIABLE CHAMBER BALER

DF 1,7 Zd

STANDARD EQUIPMENT

- controller Pilot Roto
- rotor
- cutter – models DF 1,7 Zd – individual protection on knives, hydraulically lowered knives
- hydraulically lowered plate under the rotor
- discharge ramp
- net binder
- variable adjustment of bale diameters from 0,8 to 1,65 m – models DF 1,7 Z / 1,7 Zd
- max compaction pressure 200 bar
- programming of soft bale core
- 5-row pick-up
- rubber-tired ground-following wheels
- swath compression plate with ground-following roller
- auto-lube system for drive chains
- PTO shaft (6×6, 830 Nm) with overload coupling (M=2 400 Nm),
- wide angle wheels 400/60–15.5
- steerable ground following wheel

MODEL	PRICE
DF 1,7 Z	**36 300**
DF 1,7 Zd	**38 300**

ACCESSORIES AT EXTRA CHARGE	PRICE
surcharge for wheels size 480/45-17	**560**
surcharge for wheels size 550/45-22.5	**1 500**
surcharge for endless belts	**500**
surcharge for trident rotor	**470**
surcharge for Superior controller	**1 300**
resignation from controller Superior (monitor)	**-660**
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm)	**470**
hydraulic brake, DF 1.7 Z / 1.7 Zd	**780**
air brake, DF 1.7 Z / 1.7 Zd	**710**
double twine binding	**1 300**

TECHNICAL SPECIFICATIONS	DF 1,7 Z	DF 1,7 Zd
type	belt baler	belt baler with cutter
design of baler chamber	3 rollers, 6 belts	3 rollers, 6 belts
min. bale dia. [m]	0,8	0,8
max. bale dia. [m]	1,65	1,65
bale width [m]	1,2	1,2
pick-up width [m]	2,1	2,1
no. of pick-up tine rows [pcs]	5	5
no. of pick-up tines [pcs]	160	160
no. of knives [pcs]	n/a	14
length [m]	4,4	4,4
width [m]	2,60	2,60
height [m]	2,68	2,68
weight [kg]	3120	3250
power demand on PTO [HP]	80÷110	80÷110

MASTER D / V

FIXED CHAMBER ROLLER BALER/WRAPPER (MASTER D), CHAIN – &-ROLLER BALER/WRAPPER (MASTER V)

MASTER V

STANDARD EQUIPMENT

- Superior controller
- 3-tine rotor
- cutter – individual protection on knives, hydraulically lowered knives
- hydraulically lowered plate under the rotor
- net binder
- additional box for the net
- roller chamber – model MASTER D
- chain and roller chamber – model MASTER V
- 5-point adjustable compacting level
- mechanical tailgate lock
- 5-row pick-up
- rubber-tired ground-following wheels
- swath compression plate with ground-following roller
- reverse
- central point of bearings lubrication
- auto-lube system for drive chains
- PTO shaft (6×6, 830 Nm) with overload coupling (M=2400 Nm), wide angle
- wheels 400/60–15.5
- two 750 mm film feeders with auto tension adjustment
- bale unloader
- four film racks
- steerable ground following wheels

MODEL	PRICE
MASTER V	**57 300**
MASTER D	**58 600**

ACCESSORIES AT EXTRA CHARGE	PRICE
applicator of ensilage fluids	**1 400**
surcharge for wheels size 480/45-17	**1 200**
surcharge for wide-angle PTO shaft (6x6, 830Nm) with automatic clutch (M=1900Nm)	**470**
hydraulic brake	**780**
resignation from controller Superior (monitor)	**-660**
automatic bearing lubrication	**1 600**

TECHNICAL SPECIFICATIONS	MASTER V	MASTER D
type	chain & roller	roller
bale dia. [m]	1,2	1,2
pick-up width [m]	2,1	2,1
no. of pick-up tine rows [pcs]	5	5
no. of pick-up tines [pcs]	160	160
no. of profiled rollers [pcs]	8	17
no. of knives [pcs]	14	14
PTO speed [rpm]	540	540
power demand on PTO [HP]	90÷110	90÷110
film feeder	2× 750 mm	2× 750 mm
length [m]	5,5	5,5
width [m]	2,5	2,5
height [m]	2,8	2,8
weight [kg]	3950	4150

KOSTKA

CUBE BALER

KOSTKA

STANDARD EQUIPMENT

- Rasspe knotter
- cube length adjustment
- density adjustment
- cubes counter
- star-shaped piling device
- support wheel for the pick-up device
- protecting clutch
- PTO shaft (6×6, 620 Nm)

MODEL	PRICE
KOSTKA	**14 200**

ACCESSORIES AT EXTRA CHARGE	PRICE
hydraulic drawbar	**440**
hydraulic pick-up	**440**
bale chute	**710**
security system of binding device	**340**
PTO shaft 6×8	**160**

TECHNICAL SPECIFICATIONS	KOSTKA
pick-up width [m]	1,85
cube length [m]	0,3÷1,3
compacting chamber width [m]	0,46
compacting chamber height [m]	0,36
power demand on PTO [HP]	30
length [m]	4,22
width [m]	2,43
height [m]	1,63
weight [kg]	1 300

TWISTER E

TRAILED BALE WRAPPER WITH FRONT LOADING

TWISTER E

STANDARD EQUIPMENT

- controller Pilot Wrap
- planetary wrapping system
- two film feeders for 750 mm wide film with auto tension control
- two film racks
- wheels size 340/55-16
- hydraulically controlled drawbar
- unload mat

MODEL	PRICE
TWISTER E	**18 500**

ACCESSORIES AT EXTRA CHARGE	PRICE
baler hitch DF 1.8 V/Vd; DF 1.8 D/Dd *	**710**
bale rotator	**710**

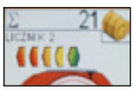
TECHNICAL SPECIFICATIONS	TWISTER E
bale loading	front
wrapped bale diameter [m]	1,0÷1,5
max bale weight [kg]	1200
quantity of wrapping arms [pcs]	2
film width [mm]	750
power demand [HP]	45
control	electric distributor
length [m]	4,65
width [m]	2,6
height [m]	2,83
weight [kg]	1400

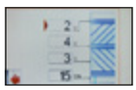
COMPUTERS CONTROLS of balers

PILOT ROTO / SUPERIOR

- chamber filling indicator (acustic and visual)
- automatic wrapping initiation
- bale irregularity indicator
- outside bale diameter and soft core setup
- core and outside layer pressure setting
- core and outside layer pressure setting
- detailed counters of made bales
- emergency case inditator (eg. torn net)
- used net meter counter
- pickup, cutter and rotor lower plate control
- diagnostic menu (sensor status)
- voltage supply control

- machine status visualization
- displaying all important information on one screen
- intuitive control
- simplified emergency diagnostics
- allows to controll other UNIA machines





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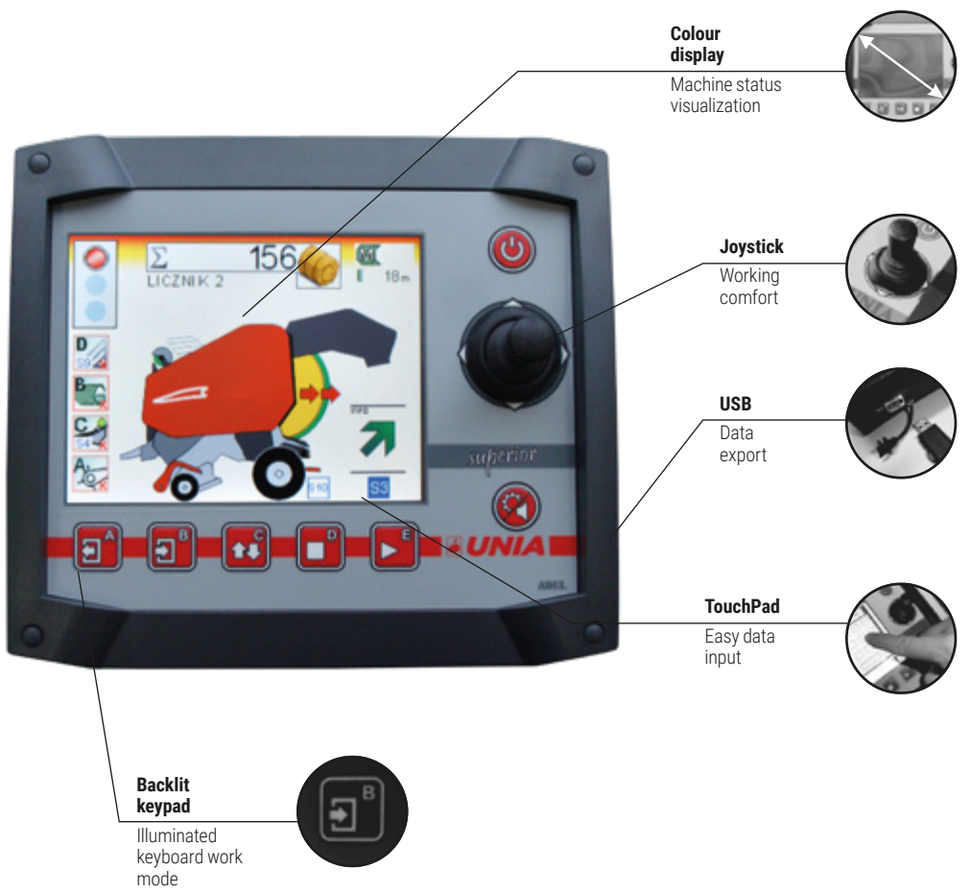
COMPUTERS CONTROLS of baler-wrapper

SUPERIOR

- chamber filling indicator (acustic and visual)
- loader, table, knives, wrapping arm current state visualization
- possibility to flip bale without wrapping
- manual or automatic bale ejection
- detailed counters of made bales
- emergency case indicator (eg. torn net)
- broken film control
- pickup and cutter control
- adjusting machine dynamics to customized requirements
- diagnostic menu (sensor status)
- automatic or manual wrapping initiation
- voltage supply control
- displaying all important information on one screen
- allows to controll other UNIA machines



Colour display
Machine status visualization

Joystick
Working comfort

USB
Data export

TouchPad
Easy data input

Backlit keypad
Illuminated keyboard work mode

COMPUTERS CONTROLS of bale wrappers

PILOT WRAP

Functions:
» automatic or manual work mode of the wrapper
» programming the number of net wraps
» emergency case inditator (eg. torn net)

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