

- RAINSTAR A
- RAINSTAR T
- RAINSTAR E



FOR A GREEN WORLD



EN



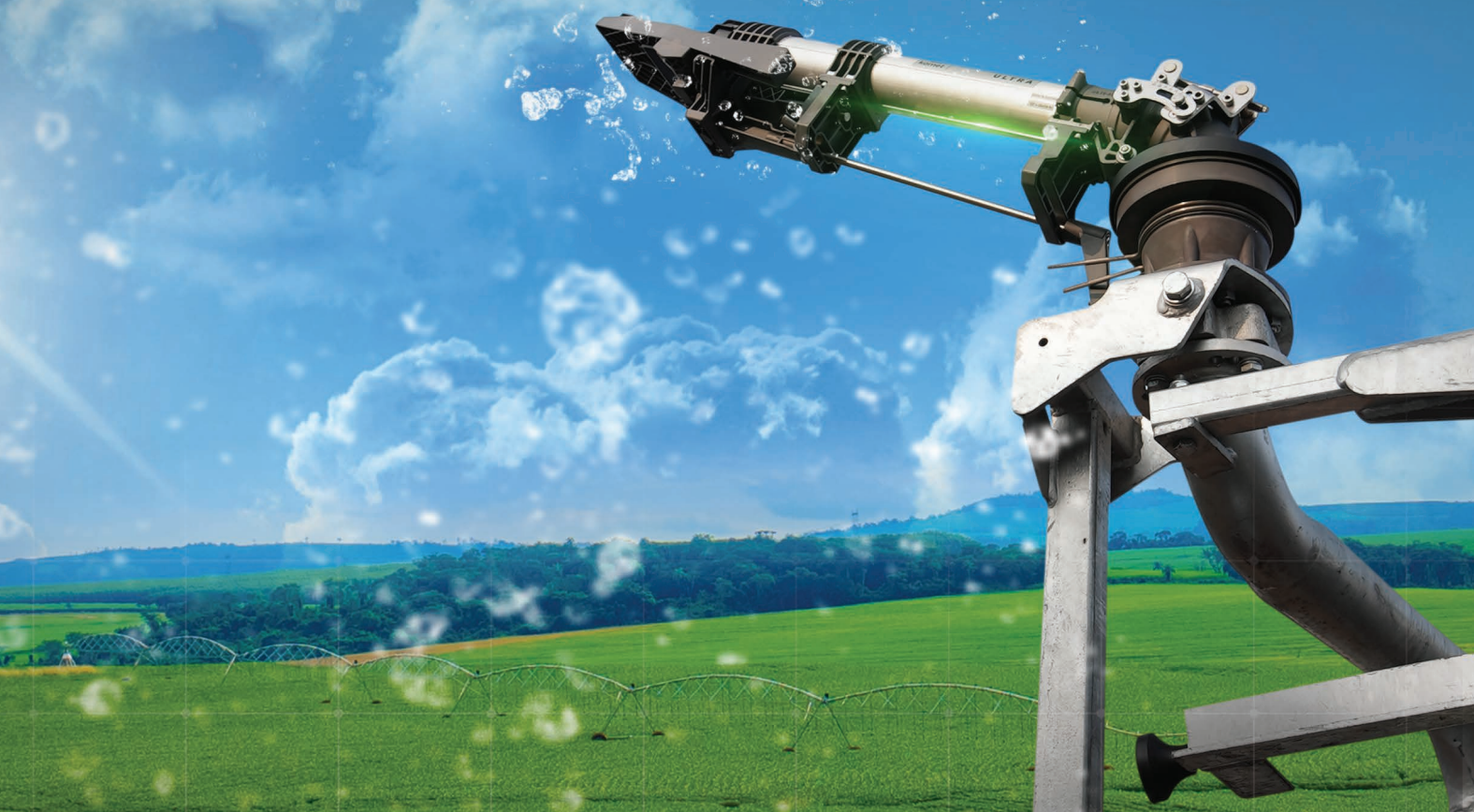
IRRIGATION

# RAINSTAR

THE STARS AMONG THE SPRINKLERS

[WWW.BAUER-AT.COM](http://WWW.BAUER-AT.COM)

# LEADER IN TECHNOLOGY FOR DECADES AND No. 1 ON THE WORLD MARKET



## RAINSTAR HISTORY



For over 50 years, BAUER has been revolutionizing the world of irrigation with its reel system. A lot has happened since then. We have not rested on our laurels, but have continued to develop the BAUER system. Through innovations such as the introduction of turbine technology, our own gearboxes, and turbine production, we have been able to experiment with new technologies and, based on these, develop the new BAUER RAINSTAR family.

## RAINSTAR PRODUCT OVERVIEW

THE ADVANTAGES OF THE DIFFERENT MODELS SPEAK FOR THEMSELVES.

- + BAUER RAINSTAR – a range of models designed to accommodate any size and shape of farming system
- + Cost and energy saving irrigation – user-friendly – optimum performance and reliability
- + Quality workmanship – decades of experience in the manufacture of irrigation machines – particularly attractive price-performance ratio
- + Laser-machined precision-toothed chain sprockets ensure precise chain drive and high reliability
- + Pipe reel and steelwork fully hot galvanised – high quality corrosion protection ensures lasting value and high resale value
- + Modern design – central control, easily accessible unit with irrigation computer
- + New radial full flow turbine – cost and energy saving irrigation, particularly efficient when low precipitation rates are applied
- + Raingun trolley with automatic angle compensator for uneven ground and trolley inlet
- + The RAINSTAR E55 completes the 11 RAINSTAR models offered with over 80 different pipe lengths



# RAINSTAR A



## THE COMPACT SERIES IN A MODERN DESIGN

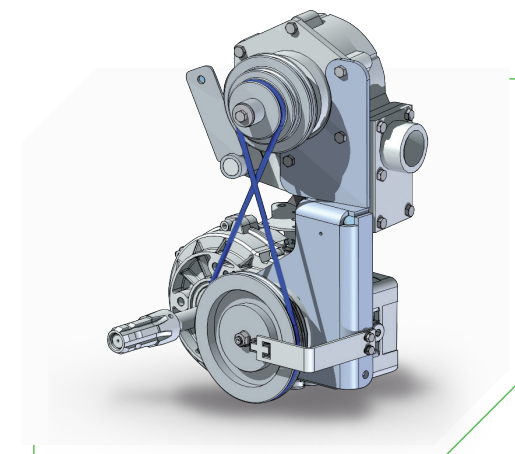
Easy handling, optimal output and innovative technology make the new A-Series irrigation machines from BAUER ideal for a wide variety of applications such as Sports facilities, parkland, schools, golf courses, garden centers, cemeteries, etc.

The same philosophy of quality, technology, and precision applied to our larger Rainstar units used in agriculture can also be found in the A-Series models.

Highest value due to an extraordinary price-performance ratio, best irrigation efficiency and wide range of applications.

Quick and easy swiveling of the reel into its required working position is easily done by only one person due to a 3-wheel chassis and automatic gun trolley lift.

Use of reinforced PE pipes for rolled turf.



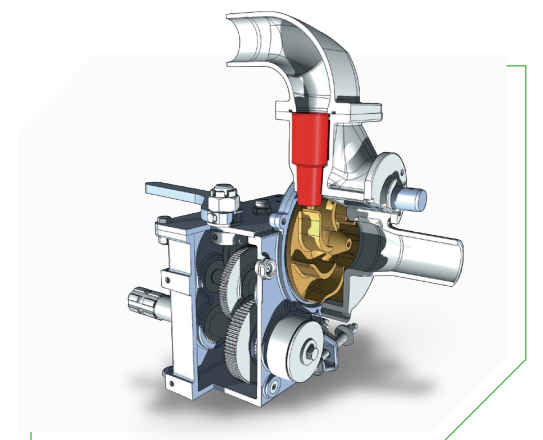
### NEW GENERATION OF TURBINES

Powerful, compact BAUER turbine/gear box combination for RAINSTAR A2 with precise adjustment and exchangeable nozzles for high efficiency.

### COMPACT DRIVE UNIT

The compact drive unit includes the BAUER fullflow turbine, the V-belt transmission and speed change gearbox.

This unit offers the optimum in economy and operating efficiency. Power transmission to the pipe reel is via a strong high-quality chain and precision laser-cut toothed gear elements. This optimised design offers extremely low pressure loss and high efficiency power output.





# RAINSTAR A2

## THE SMALL ONE

- + Hot-dip galvanizing for reel and frame
- + Drive with new BAUER turbine-gear-combination
- + PTO-reel equipment
- + Automatic cart load
- + BAUER special-PE-pipe



# RAINSTAR A3

### BOOM CART AS 16

Irrigating with a boom cart guarantees a precipitation which is very gentle to all crops and plants. Even a very low connection pressure is sufficient for operation. This means efficient use of energy and water. The boom cart made of steel and aluminum parts convinces with high stability despite its light weight construction.



### RAINSTAR A - TYPES

|             | Diameter   | Lenght     | Consumtion      |
|-------------|------------|------------|-----------------|
| RAINSTAR A2 | 50 & 55 mm | 115 - 135m | 3,2 - 20,0 m³/h |
| RAINSTAR A3 | 55 & 63 mm | 125 - 170m | 7,5 - 20,0 m³/h |
| RAINSTAR A4 | 65 & 75mm  | 200 - 250m | 12 - 48 m³/h    |

## POWER AND PRECISION IN PERFECT BALANCE

Pro-gardening, Parkland, horticulture, golf courses, sports facilities and model farms – the RAINSTAR A3 multi-tasks in most applications – a smart choice for irrigation.

- + RAINSTAR A3 with BAUER specific PE-pipe,
- + Hot-galvanized pipe reel, turntable and chassis
- + Two-wheel gun-trolley with wide-profile tyres.
- + Adapts easily to any crop row spacing. The chassis has a rotating pipe reel and integrated leg supports.
- + Drive system is BAUER full-flow turbine
- + 3 Speed adjustable V-belt transmission
- + Mechanical speed regulator with automatic pipe layering compensator
- + Speed-change gearbox with PTO winding system
- + Power transmission is via precision chain drive
- + Automatic gun-trolley lift
- + Automatic final shut-off device
- + PE-pipe rewind system with precision rewind shaft and strong support chassis
- + Single axle chassis with universal variable track width ranging from 1000 – 1500 mm





# RAINSTAR A4

## A TRUE IRRIGATION SPECIALIST - RAINSTAR A4

For large-scale irrigation tasks in agriculture, parks, sports complexes, and professional turf management, the RAINSTAR A4 delivers maximum performance and reliability. Designed for high efficiency and long service life, it combines proven BAUER engineering with robust construction and intelligent operation.

- + BAUER in house made -PE-pipe – durable and optimized for flow
- + Hot-galvanized reel, turntable and chassis
- + Two-wheel gun-trolley with wide-profile tyres
- + Adapts easily to any crop spacing
- + Rotating pipe reel with integrated supports
- + Full-flow turbine drive – high efficiency, low loss
- + 3-speed V-belt transmission
- + Mechanical speed regulator with pipe layering control
- + PTO gearbox with precision chain drive
- + Automatic gun-trolley lift
- + Automatic final shut-off
- + PE-pipe rewind system with precision shaft
- + Single-axle chassis with 1000–1500 mm track widthstrong support chassis



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# RAINSTAR T

RAINSTAR



# THE COMPACT SERIES FOR COST SAVING IRRIGATION

Cost efficient irrigation by saving energy, convenient, time saving handling and operational safety even at extreme stress are only a few of the many advantages of this generation of machines. The RAINSTAR T with the new TVR-radial full flow turbine is available with an ECOSTAR irrigation computer. No matter which field size or form, the innovative modular design of the RAINSTAR T easily adapts to every condition and offers tailor made equipment for every irrigation process. The particularly attractive price-performance ratio guarantees in the first place the cost effectiveness of your purchase for the next irrigation season.

## ADVANTAGES

- + Revolving pipe reel – with integrated hydraulic leg supports
- + 2 wheel chassis with adjustable track width and mechanical jack
- + Energy saving BAUER full flow turbine TVR 20 (T51 – T61) with BAUER 4-speed gearbox
- + Newly developed turbine TVR 18 (T32 – T42) with BAUER 4-speed gearbox
- + Irrigation computer ECOSTAR 4300 with back up battery and solar panel for exact precipitation rates and high performance and reliability
- + User friendly – hydraulic jack, unit connection on both sides, central control unit, hydraulic gun trolley lift (together with supports)
- + Gun trolley with automatic angle compensation – keeps the Rainer in an ideal position, on uneven rough ground
- + Special BAUER PE-pipe – High form stability and tensile strength
- + Reinforced PE pipe when used on rolled turf

## COMBI-WHEEL CART GENTLE TO THE CROPS

The multi talent among the carts: infinitely adjustable track, symmetric or asymmetric PE-pipe retraction (simple retrofitting), large clearance height. This reduces damage even with tall growing plants. The large dimensioned tires guarantee a safe irrigation process, even in difficult terrain.



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## RAINSTAR T32

### RAINSTAR T - TYPES

|              | Diameter       | Length     | Q            |
|--------------|----------------|------------|--------------|
| RAINSTAR T32 | 65, 75 & 85mm  | 220 – 350m | 14 – 64 m³/h |
| RAINSTAR T42 | 75, 85 & 90mm  | 260 – 350m | 14 – 73 m³/h |
| RAINSTAR T51 | 75, 85 & 90mm  | 330 – 420m | 14 – 69 m³/h |
| RAINSTAR T61 | 85, 90 & 100mm | 300 – 450m | 14 – 73 m³/h |

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# RAINSTAR T61

## BOOM CART AS 26/AS 32

Irrigating with a boom cart guarantees a precipitation which is very gentle to all crops and plants. Even a very low connection pressure is sufficient for operation. This means efficient use of energy and water. The boom cart made of steel and aluminum parts convinces with high stability despite its light weight construction.



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# RAINSTAR E

RAINSTAR



# THE HIGH-QUALITY SERIES A CONTINUING SUCCESS

Reliability, durability and efficiency are the priorities regarding the requirements for an irrigation machine. With the RAINSTAR E models these requirements are not only met but even exceeded. This generation of RAINSTARS has a completely new design. The hot-dip galvanizing of the entire steel construction is a visual proof of the traditional BAUER-syntheses of technology, robustness, durability and design. The entire production is carried out in compliance with the highest quality standards in accordance to the ISO 9001 guidelines.

## ADVANTAGES

- + Revolving pipe reel with integrated hydraulic leg supports
- + 2 wheel chassis with adjustable track width and mechanical jack
- + Energy saving BAUER full flow turbine TVR 60
- + Irrigation computer ECOSTAR 4300 with back up battery and solar panel for exact precipitation rates, high performance and reliability
- + Comfortable handling by means of a hydraulic cart lift (together with device supports) as well as an optional hydraulic support foot, HK 108 water supply on both sides or a central control unit
- + BAUER 4-speed gearbox with brake and tractor PTO rewind
- + Gun trolley with automatic slope compensation – keeps the rainingun in anideal position on uneven rough ground
- + Special BAUER PE-pipe – high formstability and tensile strength
- + Reinforced PE pipe when used on rolled turf
- + Optimized gearbox for increased ease of use
- + Reinforced slewing ring console for increased stability



## SWIVEL COVER

The innovative hinged cover allows barrier-free access to the gearbox and turbine and impresses with increased comfort for the operator. There is no need to dismantle the cover.



## RAINSTAR E600



## ADVANTAGE OF THE RAINSTAR E600

The innovative service cover allows access to the reel centre without major dismantling work. This enables a reduction in service times and an increase in efficiency.



## FOLDABLE SOLAR PANELS

The fold-out solar panels accelerate the charging process of the battery, thus enabling increased efficiency and usability.



# RAINSTAR E100-E600

## BOOM CART AS 50

Irrigating with a boom cart guarantees a precipitation which is very gentle to all crops and plants. Even a very low connection pressure is sufficient for operation. This means efficient use of energy and water. The boom cart made of steel and aluminum parts convinces with high stability despite its light weight construction.



## RAINSTAR E - TYPES

|               | Diameter              | Lenght     | Q            |
|---------------|-----------------------|------------|--------------|
| RAINSTAR E100 | 90, 100 & 110mm       | 300 – 510m | 17 - 112m³/h |
| RAINSTAR E200 | 100, 110 & 120mm      | 300 – 450m | 17 - 118m³/h |
| RAINSTAR E300 | 100, 110 & 125mm      | 310 – 520m | 17 - 118m³/h |
| RAINSTAR E400 | 100, 110, 120 & 125mm | 340 – 590m | 17 - 118m³/h |
| RAINSTAR E500 | 110, 120, 125 & 140mm | 400 – 650m | 22 - 124m³/h |
| RAINSTAR E600 | 110 & 140mm           | 430 – 700m | 25 - 110m³/h |



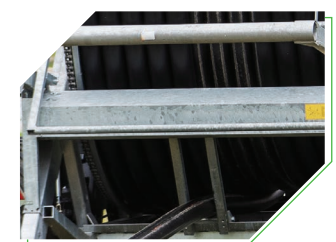
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# RAINSTAR E55 L & E55 XL

## THE PROFESSIONAL SERIES WITH HIGH QUALITY LEVEL

Hydraulically lowerable and 360° swivelling reel – pull-out possible in all directions. 4-wheel chassis with tandem swing axle for low ground pressure and even weight distribution. Individually controlled hydraulic supports for uneven terrain. Energy-saving BAUER full-flow turbine TVR 60. ECOSTAR 4300 irrigation computer with backup battery and solar panel for precise precipitation rates and high reliability. User-friendly – hydraulic jack, HK 108 connection on both sides, central control unit. BAUER 4-speed gearbox with brake and tractor PTO rewind. Raingun trolley with automatic slope compensation for perfect sprinkler position. BAUER PE pipe with high shape stability and tensile strength, reinforced version for turf use.



## PLANT PROTECTION

Despite the large 3.5 m diameter of the drum, the unit is very compact. The PE pipe is lowered hydraulically and the drum then pivots a full 360°. Thanks to minimal space requirements, the unit causes little damage to plants.

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## RAINSTAR CONTROL

### IRRIGATION CONTROL ON A HIGH-TECH LEVEL

- + Easy operation at the push of one button
- + A multi-line display with lighting shows the respective irrigation status
- + Due to permanent target-performance comparison of the retraction speed the most exact precipitation rates are possible
- + Programming of pre- and post-irrigation easy and comfortable at the push of a button
- + A solar panel and a 12 volts battery provide adequate power supply
- + Simple operation as well as clear menu navigation speak for themselves

## SIMPLE MONITORING AND CONTROL OF DIFFERENT IRRIGATION MACHINES VIA APP DIRECTLY FROM THE SMARTPHONE OR THE OFFICE ON THE PC

- + Permanent GSM-internet-communication between user and irrigation machine
- + Monitoring and control of the irrigation process with smartphone, tablet or PC
- + Clear, visual representation of the irrigation machines on the field
- + Optimized irrigation process via entering different irrigation sectors with different precipitation rates
- + Warning in case of errors and recording the cause of error
- + Automatic evaluation and reports of operating hours wet/dry, water consumption and historical precipitation



## ECOSTAR 6000

### LATEST IRRIGATION ELECTRONICS FOR PRECISE CONTROL OF PRECIPITATION RATES, AS WELL AS CONTROL AND MONITORING VIA SMS FUNCTION



- + Powerful irrigation electronics with 4.3 „Full LED, Touch display
- + Basic functions can be accessed via buttons as well as be selected via the display
- + Program preselection of 12 different programs
- + Recording of water consumption on different levels
- + Switching of operation / programming of retraction speed to precipitation rate
- + SMS-control and monitoring
- + Signal for user if end of PE-pipe is reached
- + Signal for operation of short distance sprinkler
- + Record and if required read out the last operating steps for error analysis
- + Automatic functional analysis of all components and sensors

## ECOSTAR 4300

### HIGH-TECH IRRIGATION CONTROL.

- + Self-composting, odor-less and stackable.
- + High solids contents allows storage without any special provisions.
- + Improves the soil structure and increases the humus content.
- + 30% or higher dry matter content allows composting in the open.
- + Apart from agricultural areas, suitable also for other applications, where nutrients are required.
- + Easy to transport and sell.
- + Re-use for bedding.



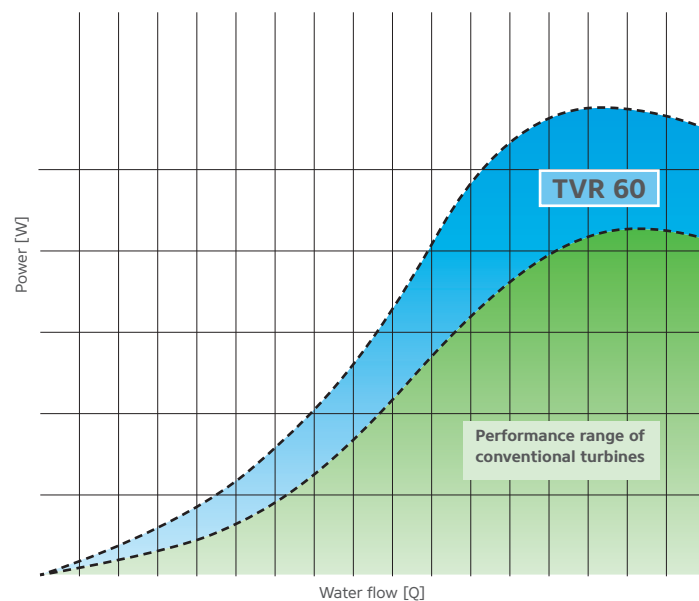


# RAINSTAR GEAR

POWER AND ECONOMY IN ONE DRIVE UNIT

## COMPARING EFFICIENCY LEVELS

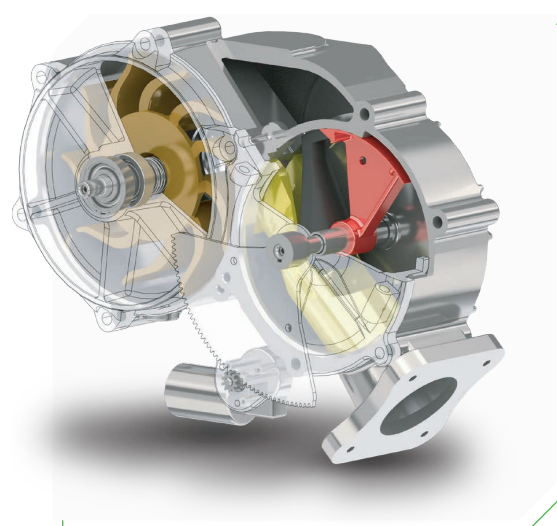
The extremely high efficiency level of the Bauer turbine, plus excess performance capacity & minimal pressure loss during normal range operation, ensures reliability and extensive savings under particularly difficult operating conditions compared to turbines of competitors. Pinpoint precision assembly results in the highest operating efficiency. Each individual part of the high-tech turbine is engineered in the headquarters at Voitsberg. The turbine is assembled by highly qualified technicians. Prior to being fitted to the Rainstar, the turbine's quality and performance are tested on a highly modern engine test bench.



## TURBINE TVR 60 AND TVR 20

The radial full-flow economy turbine TVR 60 (E models) and TVR 20 (T models) with the unique Vario nozzle is a power pack and energy saver in one. Extremely low pressure loss helps to save money, particularly when low precipitation & hence water-saving rates are applied.

Advantages – precise regulation plus broad performance range, even with high retraction speeds.



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## COST SAVINGS THANKS TO HIGHEST EFFICIENCY

The drive train of the BAUER RAINSTAR is design optimised in every detail. This ensures highest efficiency, reliability and ease of operation. A v-belt transfers the turbine's concentrated power without energy loss direct to the BAUER 4-speed gearbox. 4 different transmission gear ratios ensure the turbine operates at cost saving maximum efficiency.

The power required to rewind the PE-pipe onto the largediameter pipe reel is transmitted via a high strength, high quality chain plus a laser-machined precision-toothed gear sprocket. The retraction power is evenly distributed over a large surface area, due to the expanded outer diameter of the chain wheel & higher density of gear-teeth sprockets.

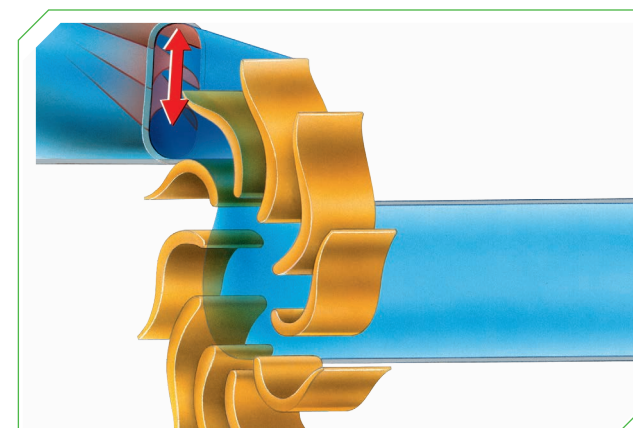
At the end of the irrigated strip, the drive gear is disengaged automatically, and the power transmission is stopped. The aerated drum brake is placed directly on the drive & ensures highest security during road transport.

## COMPUTER-CONTROLLED REGULATION

The regulation of the turbine is controlled electronically. The Vario nozzle keeps the retraction speed constant from the beginning to the end of the strip, with precise & optimum pressure utilisation.

## VARIO NOZZLE

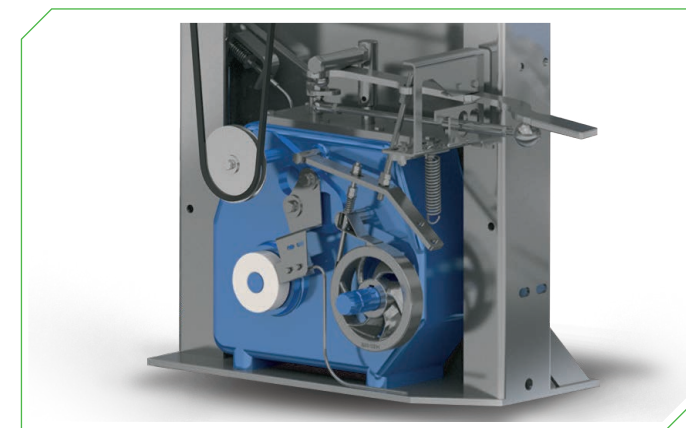
Maximum use of output is achieved by direct flow from the Vario nozzle onto the impeller. At maximum and minimum nozzle settings, the full stream flows over the turbine's impeller. This ensures the highest efficiency and minimum pressure loss at all flow rates.



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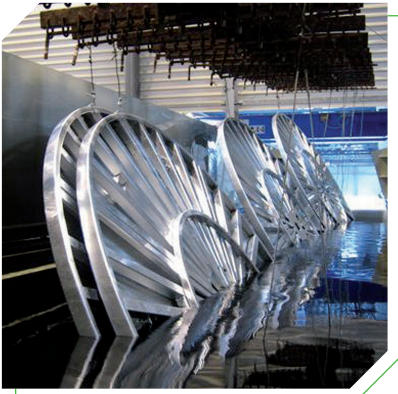
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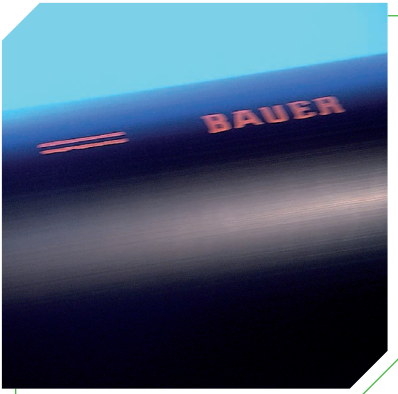
*Certified engine production standards, following the highest quality requirements for high durability and maximum reliability.*

# RAINSTAR AVANTAGES

POWER AND ECONOMY IN ONE DRIVE UNIT



**GALVANISATION**  
Hot dip galvanising to pipe drum, turntable and undercarriage.



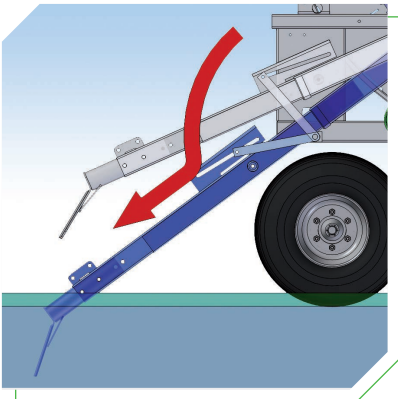
**PE-PIPE MANUFACTURE**  
In house PE-pipe production with special granulate material for highest strength & quality.



**BLOW OUT DEVICE (OPTIONAL)**  
The specific kinematics and the flat angle of the hydraulic unit supports direct the forces into the machine's centre



**FULLY ROLLED INNER REEL DRUM**  
The inner reel drum of each RAINSTAR is fully closed and equipped with a pipe guiding device.



**STURDY MACHINE SUPPORTS**  
The specific kinematics and the flat angle of the hydraulic unit supports direct the forces into the machine's centre.



**WINDING GEAR**  
The PE pipe is gently layered by a double guided winding mechanism & precisely driven by a helically grooved spindle.



**PRECISION CHAIN DRIVE**  
Precision-manufactured drive sprocket for the reel drive ensure even distribution of forces on a large surface area.



**BRAKE (OPTIONAL)**  
For safe road transport, a compressed air brake can also be installed on the Rainstar as an option.



**LIGHTING (OPTIONAL)**  
In addition, a lighting can be ordered for better visibility of the machines in traffic.



# RAINSTAR A

SPECIFICATION

| RAINSTAR Model | Type     | PE-pipe Ø mm | PE-pipe Length m | Strip width m | Consumption m³/h | Nozzle sizes mm | Connection press bar | Weight kg  |            |
|----------------|----------|--------------|------------------|---------------|------------------|-----------------|----------------------|------------|------------|
|                |          |              |                  |               |                  |                 |                      | with water | less water |
| A2             | 50 - 135 | 50           | 135              | 28 - 56       | 3,2 - 13         | 7 - 14          | 3,2 - 8              | 526        | 341        |
|                | 55 - 120 | 55w          | 120              | 30 - 61       | 4,0 - 16         | 8 - 16          | 3,2 - 8              | 546        | 351        |
| A3             | 55 - 170 | 55           | 170              | 38 - 57       | 7,5 - 18         | 10 - 16         | 4,0 - 8              | 792        | 515        |
|                | 63 - 125 | 63           | 125              | 38 - 62       | 7,5 - 20         | 10 - 16         | 4,0 - 8              | 778        | 512        |
|                | 63 - 150 | 63           | 150              | 38 - 62       | 7,5 - 20         | 10 - 16         | 4,0 - 8              | 855        | 537        |
| A4             | 65 - 220 | 65           | 220              | 51 - 70       | 12 - 35          | 8 - 16          | 4,5 - 10             | 1.305      | 1.840      |
|                | 65 - 250 | 65           | 250              | 51 - 70       | 12 - 33          | 8 - 16          | 4,5 - 10             | 1.335      | 1.940      |
|                | 75 - 200 | 75           | 200              | 56 - 78       | 15 - 48          | 8 - 16          | 4,5 - 10             | 1.380      | 2.005      |





# RAINSTAR T

### SPECIFICATION

| RAINSTAR Model | Type      | PE-pipe<br>Ø mm | PE-pipe<br>Length m | Strip width<br>m | Consumption<br>m³/h | Nozzle sizes<br>mm | Connection press<br>bar | Weight kg  |            |
|----------------|-----------|-----------------|---------------------|------------------|---------------------|--------------------|-------------------------|------------|------------|
|                |           |                 |                     |                  |                     |                    |                         | with water | less water |
| T32            | 65 - 270  | 65              | 270                 | 53 - 68          | 14 - 35             | 14,0 - 22,0        | 3,5 - 11,0              | 2.060      | 1.407      |
|                | 65 - 320  | 65              | 320                 | 53 - 67          | 14 - 35             | 14,0 - 22,0        | 3,5 - 11,0              | 2.227      | 1.452      |
|                | 65 - 350  | 65              | 350                 | 53 - 67          | 14 - 31             | 14,0 - 20,0        | 3,5 - 11,0              | 2.325      | 1.479      |
|                | 75 - 250  | 75              | 250                 | 53 - 79          | 14 - 49             | 14,0 - 26,0        | 3,5 - 11,0              | 2.269      | 1.460      |
|                | 75 - 280  | 75              | 280                 | 53 - 78          | 14 - 49             | 14,0 - 26,0        | 3,5 - 11,0              | 2.401      | 1.496      |
|                | 75 - 300  | 75              | 300                 | 53 - 76          | 14 - 44             | 14,0 - 24,0        | 3,5 - 11,0              | 2.489      | 1.520      |
|                | 75 - 330  | 75              | 330                 | 53 - 75          | 14 - 44             | 14,0 - 22,0        | 3,5 - 11,0              | 2.622      | 1.555      |
|                | 85 - 220  | 85              | 220                 | 55 - 93          | 17 - 64             | 16,0 - 28,0        | 3,5 - 11,0              | 2.412      | 1.538      |
| T42            | 75 - 350  | 75              | 350                 | 53 - 74          | 14 - 39             | 14,0 - 22,0        | 3,5 - 11,0              | 2.781      | 1.650      |
|                | 85 - 270  | 85              | 270                 | 53 - 83          | 14 - 60             | 14,0 - 28,0        | 3,5 - 11,0              | 2.767      | 1.672      |
|                | 85 - 300  | 85              | 300                 | 53 - 81          | 14 - 60             | 14,0 - 28,0        | 3,5 - 11,0              | 2.937      | 1.720      |
|                | 85 - 320  | 85              | 320                 | 53 - 90          | 14 - 55             | 14,0 - 26,0        | 3,5 - 11,0              | 3.051      | 1.752      |
|                | 90 - 260  | 90              | 260                 | 55 - 94          | 17 - 73             | 16,0 - 30,0        | 3,5 - 11,0              | 2.889      | 1.718      |
|                | 90 - 280  | 90              | 280                 | 55 - 83          | 17 - 71             | 16,0 - 30,0        | 3,5 - 11,0              | 3.016      | 1.775      |
|                | 90 - 300  | 90              | 300                 | 55 - 92          | 17 - 69             | 16,0 - 30,0        | 3,5 - 11,0              | 3.144      | 1.792      |
| T51            | 75 - 400  | 75              | 400                 | 53 - 70          | 14 - 33             | 14,0 - 20,0        | 3,5 - 11,0              | 3.577      | 2.309      |
|                | 75 - 420  | 75              | 420                 | 53 - 70          | 14 - 33             | 14,0 - 20,0        | 3,5 - 11,0              | 3.666      | 2.349      |
|                | 85 - 350  | 85              | 350                 | 53 - 80          | 14 - 55             | 14,0 - 26,0        | 3,5 - 11,0              | 3.796      | 2.325      |
|                | 85 - 370  | 85              | 370                 | 53 - 80          | 14 - 52             | 14,0 - 26,0        | 3,5 - 11,0              | 3.910      | 2.378      |
|                | 90 - 330  | 90              | 330                 | 55 - 83          | 17 - 69             | 16,0 - 30,0        | 3,5 - 11,0              | 3.909      | 2.334      |
|                | 90 - 350  | 90              | 350                 | 55 - 83          | 17 - 64             | 16,0 - 28,0        | 3,5 - 11,0              | 4.037      | 2.389      |
| T61            | 85 - 400  | 85              | 400                 | 53 - 78          | 14 - 49             | 14,0 - 26,0        | 3,5 - 11,0              | 4.040      | 2.443      |
|                | 85 - 450  | 85              | 450                 | 53 - 75          | 14 - 44             | 14,0 - 24,0        | 3,5 - 11,0              | 4.324      | 2.592      |
|                | 90 - 370  | 90              | 370                 | 55 - 82          | 17 - 60             | 16,0 - 28,0        | 3,5 - 11,0              | 4.124      | 2.449      |
|                | 90 - 390  | 90              | 390                 | 55 - 80          | 17 - 55             | 16,0 - 26,0        | 3,5 - 11,0              | 4.251      | 2.512      |
|                | 90 - 420  | 90              | 420                 | 55 - 79          | 17 - 55             | 16,0 - 26,0        | 3,5 - 11,0              | 4.442      | 2.615      |
|                | 90 - 450  | 90              | 450                 | 55 - 78          | 17 - 52             | 16,0 - 26,0        | 3,5 - 11,0              | 4.633      | 2.714      |
|                | 100 - 300 | 100             | 300                 | 55 - 87          | 17 - 73             | 16,0 - 30,0        | 3,5 - 11,0              | 4.126      | 2.462      |
|                | 100 - 330 | 100             | 330                 | 55 - 83          | 17 - 73             | 16,0 - 30,0        | 3,5 - 11,0              | 4.362      | 2.531      |
|                | 100 - 350 | 100             | 350                 | 55 - 83          | 17 - 69             | 16,0 - 30,0        | 3,5 - 11,0              | 4.519      | 2.577      |

### DIMENSIONS

| RAINSTAR Model | Height mm | Width mm | Length with trolley mm | Length less trolley mm | Clearance mm | Tyres        | Track width mm |
|----------------|-----------|----------|------------------------|------------------------|--------------|--------------|----------------|
| T32            | 2.600     | 1.950    | 5.370                  | 3.720                  | 260          | 195/70 R14   | 1.500 - 2.000  |
| T42            | 2.850     | 1.950    | 5.370                  | 3.720                  | 275          | 205 R 14 C   | 1.500 - 2.000  |
| T51            | 3.140     | 2.298    | 5.306                  | 4.045                  | 275          | 205/R 14C    | 1.500 - 2.000  |
| T61            | 3.180     | 2.298    | 5.306                  | 4.045                  | 310          | 10,5/75-15,3 | 1.500 - 2.000  |

### COUPLING HEIGHT (mm)

|                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| 220                                                                                   | 500                                                                                   | 367                                                                                   |
| 240                                                                                   | 520                                                                                   | 373                                                                                   |
| 235                                                                                   | 510                                                                                   | 382                                                                                   |
| 270                                                                                   | 545                                                                                   | 417                                                                                   |



# RAINSTAR E

### SPECIFICATION

| RAINSTAR Model | Type      | PE-pipe<br>Ø mm | PE-pipe<br>Length m | Strip width<br>m | Consumption<br>m³/h | Nozzle sizes<br>mm | Connection press<br>bar | Weight kg  |            |
|----------------|-----------|-----------------|---------------------|------------------|---------------------|--------------------|-------------------------|------------|------------|
|                |           |                 |                     |                  |                     |                    |                         | with water | less water |
| E100           | 90 - 480  | 90              | 480                 | 54 - 86          | 17 - 44             | 16,0 - 24,0        | 4,5 - 11,0              | 5.595      | 3.548      |
|                | 100 - 350 | 100             | 350                 | 58 - 98          | 22 - 77             | 18,0 - 30,0        | 4,5 - 11,0              | 5.290      | 3.307      |
|                | 100 - 380 | 100             | 380                 | 58 - 98          | 22 - 73             | 18,0 - 30,0        | 4,5 - 11,0              | 5.526      | 3.391      |
|                | 100 - 400 | 100             | 400                 | 58 - 96          | 22 - 69             | 18,0 - 30,0        | 4,5 - 11,0              | 5.683      | 3.515      |
|                | 110 - 300 | 110             | 300                 | 80 - 106         | 41 - 112            | 25,0 - 37,5        | 4,5 - 11,0              | 5.392      | 3.350      |
|                | 110 - 330 | 110             | 330                 | 77 - 103         | 35 - 105            | 20,0 - 35,0        | 4,5 - 11,0              | 5.677      | 3.450      |
|                | 110 - 350 | 110             | 350                 | 75 - 103         | 33 - 98             | 22,5 - 35,0        | 4,5 - 11,0              | 5.867      | 3.506      |
| E200           | 100 - 430 | 100             | 430                 | 58 - 87          | 22 - 64             | 18,0 - 28,0        | 4,5 - 11,0              | 6.156      | 3.878      |
|                | 100 - 450 | 100             | 450                 | 54 - 92          | 17 - 55             | 16,0 - 26,0        | 4,5 - 11,0              | 6.313      | 3.940      |
|                | 110 - 350 | 110             | 350                 | 75 - 103         | 33 - 92             | 22,5 - 35,0        | 4,5 - 11,0              | 6.105      | 3.744      |
|                | 110 - 380 | 110             | 380                 | 75 - 100         | 33 - 92             | 22,5 - 35,0        | 4,5 - 11,0              | 6.390      | 3.855      |
|                | 110 - 400 | 110             | 400                 | 75 - 100         | 33 - 92             | 22,5 - 35,0        | 4,5 - 11,0              | 6.580      | 3.946      |
|                | 110 - 420 | 110             | 420                 | 75 - 100         | 33 - 84             | 22,5 - 35,0        | 4,5 - 11,0              | 6.770      | 4.027      |
|                | 120 - 300 | 120             | 300                 | 80 - 110         | 41 - 118            | 25,0 - 37,5        | 4,5 - 11,0              | 6.115      | 3.813      |
| E300           | 100 - 480 | 100             | 480                 | 54 - 90          | 17 - 55             | 16,0 - 26,0        | 4,5 - 11,0              | 6.648      | 4.219      |
|                | 100 - 500 | 100             | 500                 | 54 - 83          | 17 - 55             | 16,0 - 26,0        | 4,5 - 11,0              | 6.805      | 4.275      |
|                | 100 - 520 | 100             | 520                 | 54 - 89          | 17 - 52             | 16,0 - 26,0        | 4,5 - 11,0              | 6.962      | 4.391      |
|                | 110 - 450 | 110             | 450                 | 73 - 96          | 28 - 80             | 20,0 - 32,5        | 4,5 - 11,0              | 7.154      | 4.334      |
|                | 110 - 470 | 110             | 470                 | 73 - 96          | 28 - 80             | 20,0 - 32,5        | 4,5 - 11,0              | 7.345      | 4.399      |
|                | 110 - 490 | 110             | 490                 | 73 - 96          | 28 - 78             | 18,0 - 30,0        | 4,5 - 11,0              | 7.535      | 4.486      |
|                | 125 - 310 | 125             | 310                 | 80 - 110         | 41 - 118            | 25,0 - 37,5        | 4,5 - 11,0              | 6.682      | 4.183      |
|                | 125 - 350 | 125             | 350                 | 80 - 110         | 41 - 112            | 25,0 - 37,5        | 4,5 - 11,0              | 7.173      | 4.351      |
| E400           | 100 - 550 | 100             | 550                 | 54 - 89          | 17 - 52             | 16,0 - 26,0        | 4,5 - 11,0              | 7.787      | 5.093      |
|                | 100 - 590 | 100             | 590                 | 54 - 87          | 17 - 50             | 16,0 - 26,0        | 4,5 - 11,0              | 8.101      | 5.248      |
|                | 110 - 500 | 110             | 500                 | 58 - 95          | 22 - 69             | 18,0 - 30,0        | 4,5 - 11,0              | 8.219      | 5.215      |
|                | 110 - 520 | 110             | 520                 | 66 - 94          | 28 - 69             | 20,0 - 30,0        | 4,5 - 11,0              | 8.409      | 5.284      |
|                | 110 - 550 | 110             | 550                 | 66 - 93          | 28 - 69             | 20,0 - 28,0        | 4,5 - 11,0              | 8.694      | 5.455      |
|                | 120 - 420 | 120             | 420                 | 75 - 103         | 33 - 103            | 22,5 - 35,0        | 4,5 - 11,0              | 8.217      | 5.045      |
|                | 120 - 450 | 120             | 450                 | 75 - 103         | 33 - 98             | 22,5 - 35,0        | 4,5 - 11,0              | 8.557      | 5.158      |
|                | 125 - 370 | 125             | 370                 | 80 - 110         | 41 - 118            | 25,0 - 37,5        | 4,5 - 11,0              | 8.008      | 4.888      |
|                | 125 - 400 | 125             | 400                 | 80 - 110         | 41 - 118            | 25,0 - 37,5        | 4,5 - 11,0              | 8.376      | 5.003      |
|                | 140 - 340 | 140             | 340                 | 80 - 110         | 41 - 124            | 25,0 - 37,5        | 4,5 - 11,0              | 8.855      | 5.302      |
| E500           | 110 - 590 | 110             | 590                 | 58 - 83          | 22 - 65             | 18,0 - 30,0        | 4,5 - 11,0              | 8.982      | 5.552      |
|                | 110 - 620 | 110             | 620                 | 58 - 90          | 22 - 52             | 18,0 - 26,0        | 4,5 - 11,0              | 9.267      | 5.698      |
|                | 110 - 650 | 110             | 650                 | 58 - 89          | 22 - 52             | 18,0 - 26,0        | 4,5 - 11,0              | 9.552      | 5.892      |
|                | 120 - 530 | 120             | 530                 | 75 - 99          | 33 - 92             | 22,5 - 35,0        | 4,5 - 11,0              | 9.369      | 5.532      |
|                | 120 - 550 | 120             | 550                 | 75 - 96          | 33 - 88             | 22,5 - 32,5        | 4,5 - 11,0              | 9.595      | 5.705      |
|                | 120 - 570 | 120             | 570                 | 75 - 96          | 33 - 85             | 22,5 - 32,5        | 4,5 - 11,0              | 9.822      | 5.837      |
|                | 120 - 600 | 120             | 600                 | 76 - 98          | 33 - 80             | 22,5 - 32,5        | 4,5 - 11,0              | 10.160     | 6.050      |
|                | 125 - 450 | 125             | 450                 | 80 - 106         | 41 - 112            | 25,0 - 37,5        | 4,5 - 11,0              | 8.897      | 5.161      |
|                | 125 - 500 | 125             | 500                 | 75 - 103         | 33 - 98             | 22,5 - 35,0        | 4,5 - 11,0              | 9.511      | 5.480      |
|                | 140 - 400 | 140             | 400                 | 80 - 110         | 41 - 124            | 25,0 - 37,5        | 4,5 - 11,0              | 9.533      | 5.599      |



SPECIFICATION

| RAINSTAR Model | Type      | PE-pipe<br>Ø mm | PE-pipe<br>Length m | Strip width<br>m | Consumption<br>m³/h | Nozzle sizes<br>mm | Connection press<br>bar | Weight kg  |            |
|----------------|-----------|-----------------|---------------------|------------------|---------------------|--------------------|-------------------------|------------|------------|
|                |           |                 |                     |                  |                     |                    |                         | with water | less water |
| E600 4W        | 110 - 670 | 110             | 670                 | 65 - 92          | 25 - 55             | 18 - 26            | 5 - 11                  | 10.617     | 6.869      |
|                | 110 - 700 | 110             | 700                 | 65 - 90          | 25 - 55             | 18 - 26            | 5 - 11                  | 10.902     | 7.073      |
|                | 120 - 630 | 120             | 630                 | 75 - 98          | 33 - 72             | 22 - 32,5          | 5 - 11                  | 11.375     | 7.055      |
|                | 120 - 650 | 120             | 650                 | 75 - 94          | 33 - 72             | 22 - 32,5          | 5 - 11                  | 11.601     | 7.144      |
|                | 125 - 560 | 125             | 560                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.122     | 6.746      |
|                | 120 - 580 | 125             | 580                 | 80 - 104         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.368     | 7.144      |
|                | 125 - 600 | 125             | 600                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.613     | 7.082      |
|                | 125 - 620 | 125             | 620                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.859     | 7.178      |
|                | 140 - 430 | 140             | 430                 | 80 - 114         | 40 - 110            | 25 - 37,5          | 5 - 11                  | 10.869     | 6.555      |
|                | 140 - 460 | 140             | 460                 | 80 - 114         | 40 - 110            | 25 - 37,5          | 5 - 11                  | 11.331     | 6.715      |
| E600 4WB       | 110 - 670 | 110             | 670                 | 65 - 92          | 25 - 55             | 18 - 26            | 5 - 11                  | 10.597     | 6.849      |
|                | 110 - 700 | 110             | 700                 | 65 - 90          | 25 - 55             | 18 - 26            | 5 - 11                  | 10.882     | 7.053      |
|                | 120 - 630 | 120             | 630                 | 75 - 98          | 33 - 72             | 22 - 32,5          | 5 - 11                  | 11.355     | 7.035      |
|                | 120 - 650 | 120             | 650                 | 75 - 94          | 33 - 72             | 22 - 32,5          | 5 - 11                  | 11.581     | 7.124      |
|                | 125 - 560 | 125             | 560                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.102     | 6.726      |
|                | 120 - 580 | 125             | 580                 | 80 - 104         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.348     | 6.883      |
|                | 125 - 600 | 125             | 600                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.593     | 7.062      |
|                | 125 - 620 | 125             | 620                 | 80 - 100         | 40 - 88             | 25 - 35            | 5 - 11                  | 11.839     | 7.158      |
|                | 140 - 430 | 140             | 430                 | 80 - 114         | 40 - 110            | 25 - 37,5          | 5 - 11                  | 10.849     | 6.535      |
|                | 140 - 460 | 140             | 460                 | 80 - 114         | 40 - 110            | 25 - 37,5          | 5 - 11                  | 11.311     | 6.695      |
| E55 L          | 110 - 750 | 110             | 750                 | 65 - 82          | 25 - 55             | 17,5 - 27,5        | 5 - 11                  | 12.634     | 8.604      |
|                | 120 - 650 | 120             | 650                 | 75 - 98          | 33 - 72             | 20 - 30            | 5 - 11                  | 12.857     | 8.400      |
|                | 120 - 670 | 120             | 670                 | 75 - 98          | 33 - 72             | 20 - 30            | 5 - 11                  | 13.084     | 8.563      |
|                | 120 - 700 | 120             | 700                 | 75 - 95          | 33 - 72             | 20 - 30            | 5 - 11                  | 13.423     | 8.776      |
|                | 125 - 620 | 125             | 620                 | 80 - 100         | 40 - 88             | 20 - 32,5          | 5 - 11                  | 13.115     | 8.433      |
|                | 125 - 650 | 125             | 650                 | 80 - 100         | 40 - 88             | 20 - 32,5          | 5 - 11                  | 13.483     | 8.687      |
|                | 125 - 670 | 125             | 670                 | 80 - 99          | 40 - 88             | 20 - 32,5          | 5 - 11                  | 13.728     | 8.842      |
|                | 140 - 460 | 140             | 460                 | 80 - 113         | 40 - 110            | 20 - 37,5          | 5 - 11                  | 12.587     | 7.863      |
|                | 140 - 480 | 140             | 480                 | 80 - 115         | 40 - 110            | 20 - 37,5          | 5 - 11                  | 12.895     | 7.998      |
|                | 140 - 500 | 140             | 500                 | 80 - 110         | 40 - 110            | 20 - 37,5          | 5 - 11                  | 13.203     | 8.102      |
| E55 XL         | 125 - 680 | 125             | 680                 | 70 - 100         | 30 - 70             | 20 - 30            | 5 - 11                  | 13.771     | 8.850      |
|                | 125 - 710 | 125             | 710                 | 70 - 100         | 30 - 70             | 20 - 30            | 5 - 11                  | 14.139     | 9.121      |
|                | 125 - 740 | 125             | 740                 | 70 - 96          | 30 - 70             | 20 - 30            | 5 - 11                  | 14.507     | 9.380      |
|                | 140 - 500 | 140             | 500                 | 80 - 110         | 30 - 110            | 20 - 37,5          | 5 - 11                  | 13.123     | 8.337      |
|                | 140 - 530 | 140             | 530                 | 80 - 110         | 30 - 110            | 20 - 37,5          | 5 - 11                  | 13.585     | 8.512      |
|                | 140 - 560 | 140             | 560                 | 80 - 106         | 30 - 110            | 20 - 37,5          | 5 - 11                  | 14.047     | 8.687      |

DIMENSIONS

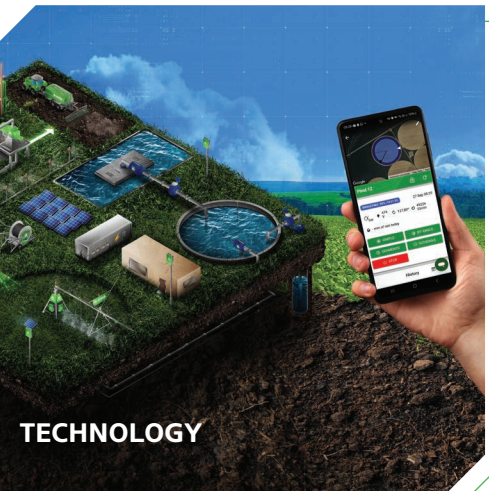
| RAINSTAR Model | Height mm | Width mm | Length with trolley mm | Length less trolley mm | Clearance mm | Tyres        | Track width mm |
|----------------|-----------|----------|------------------------|------------------------|--------------|--------------|----------------|
| E100           | 3.480     | 2.530    | 7.600                  | 5.450                  | 340          | 11,5/80-15,3 | 1.800 - 2.250  |
| E200           | 3.480     | 2.560    | 7.730                  | 5.580                  | 340          | 11,5/80-15,3 | 1.800 - 2.250  |
| E300           | 3.530     | 2.560    | 7.730                  | 5.580                  | 340          | 12,5/80-15,3 | 1.800 - 2.250  |
| E400           | 3.730     | 2.670    | 8.120                  | 6.160                  | 340          | 12,5/80-15,3 | 1.800 - 2.250  |
| E500           | 4.070     | 2.670    | 8.200                  | 6.230                  | 360          | 12,5/80-15,3 | 1.800 - 2.250  |
| E600 4W        | 4.420     | 2.712    | 8.020                  | 5.940                  | 640          | 10,0/75-15,3 | 1.800 - 2.250  |
| E600 4WB       | 4.290     | 3.018    | 8.590                  | 6.250                  | 440          | 12,5/80-15,3 | 2.600          |
| E55 L & XL     | 4.030     | 3.160    | 8.470                  | 5.260                  | 270          | 12,5/80-15,3 | 2.840          |

COUPLING HEIGHT (mm)

|                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| 223                                                                                   | 498                                                                                   | 500                                                                                   |
| 229                                                                                   | 504                                                                                   | 540                                                                                   |
| 235                                                                                   | 510                                                                                   | 540                                                                                   |
| 270                                                                                   | 545                                                                                   | 560                                                                                   |
| 340                                                                                   | 620                                                                                   | 590                                                                                   |
| 570                                                                                   | 850                                                                                   | 1.020                                                                                 |
| 520                                                                                   | 790                                                                                   | 1.020                                                                                 |
| 700                                                                                   | —                                                                                     | —                                                                                     |



PRODUCTS FROM OUR IRRIGATION PROGRAM



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