

# OPTIMUS OP35



# OPTIMUS 35



#### **3 AIR FLOWS**

- LEAVES' AGITATION
- SPRAYING
- RECOVERY OF SPRAY DRIFT

#### **5 ADVANTAGES / 5 PROPERTIES**

- AIR FLOW: Air hoses and connections with larger diameters
- PRECISION: More quantity of diffusers at droplegs
- MATERIALES: Polyethylene droplegs, polyurethane diffusers, fluid system with Push-In, no metal parts that can be oxidized
- ROBUST BOOMS
- OPTIMUS DIFFUSERS: Angle and depth adjustment by configurable flaps for optimal treatment, DIFFUSED FLOW, easy disassembly and repair, easy cleaning of interior parts, Independent FLUID and AIR locking for each diffuser.

#### 35% OF POSSIBLE SAVINGS OF CHEMICAL PRODUCT

- Versus any machine from other manufacturers
- Versus any of our previous solutions

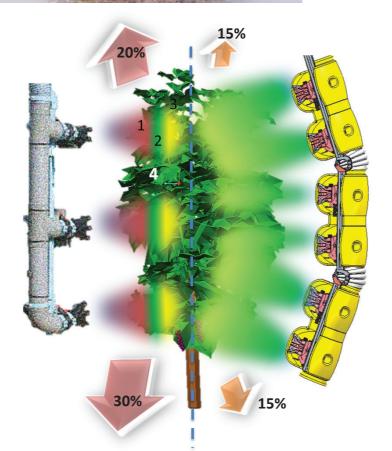












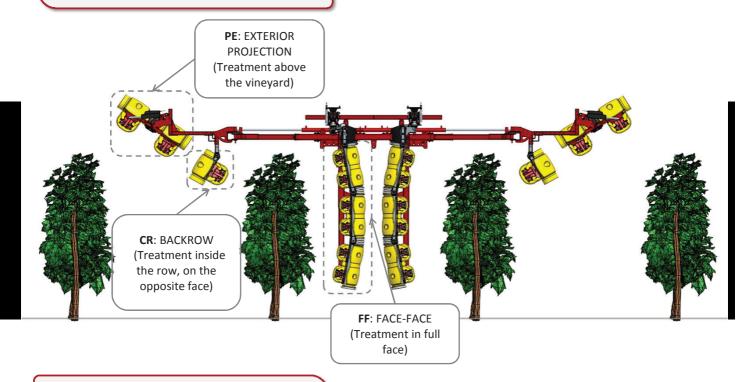
# OPTIMUS 35 (SAVE 35%)

- Recover 15% of the loss to the ground
- Recover 5% of the loss to the air
- Recover 5% of back spray drift
- Reduce the dose by 10% with better deposition in sensitive areas (vegetation center, clusters...)
- Adapt the shape to the geometry of the vegetation

#### **SPRAYING SYSTEM - OP35**



#### **CONFIGURATION ON THE MACHINE**



#### **TYPES OF CONFIGURATIONS - OP35**

#### PE1M1M - Ø180

Exterior projection - 2 diff. M separated by a bellows

#### PE1M1S - Ø180

Exterior projection - 1 diff. M top & 1 diff. S bottom

#### CR2M - Ø180

Backrow- 2 diff. M

#### CR1M - Ø180

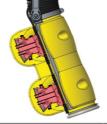
Backrow - 1 diff. M





#### FF222M - Ø180

Face - Face - 6 diff. M distributed in 3 modules of 2 diff.



#### FF222S - Ø150

Face - Face - 6 diff. S distributed in 3 modules of 2 diff.



#### FF131S - Ø150

Face - Face - 5 diff. S distributed in 3 modules 1 - 3 - 1







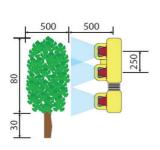


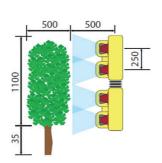


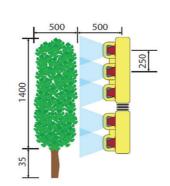


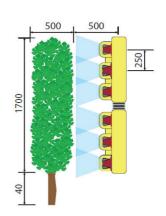
**DROPLEG MEASURES** 

# **Optimus S**

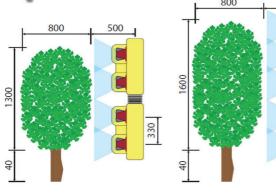


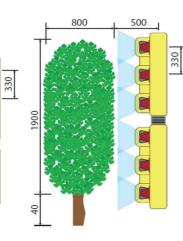


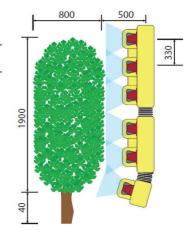




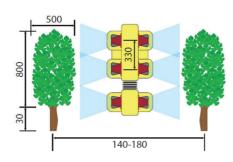
# **Optimus M**

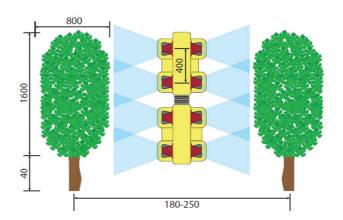






# Optimus DS y DM

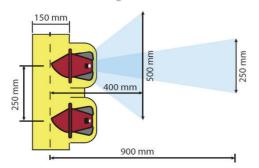






#### **DIFFUSERS' WORKING RANGE**

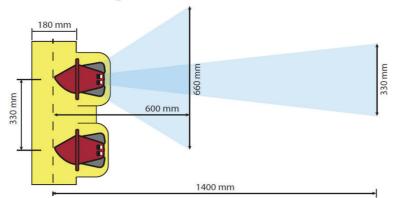
# **Difusor Optimus S**



#### **DIFFUSER S**

- --> 1 Nozzle / diffuser
- --> Type of assembly <u>Hydropneumatic</u> or <u>Pneumatic</u>

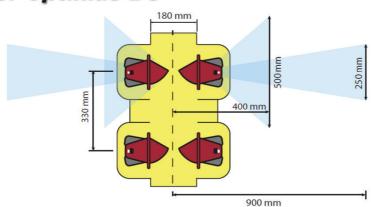
### **Difusor Optimus M**



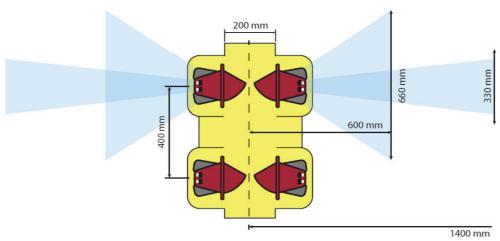
#### **DIFFUSER M**

- --> 2 Nozzles / diffuser
- --> Type of assembly <u>Hydropneumatic</u> or <u>Pneumatic</u>

# **Difusor Optimus DS**

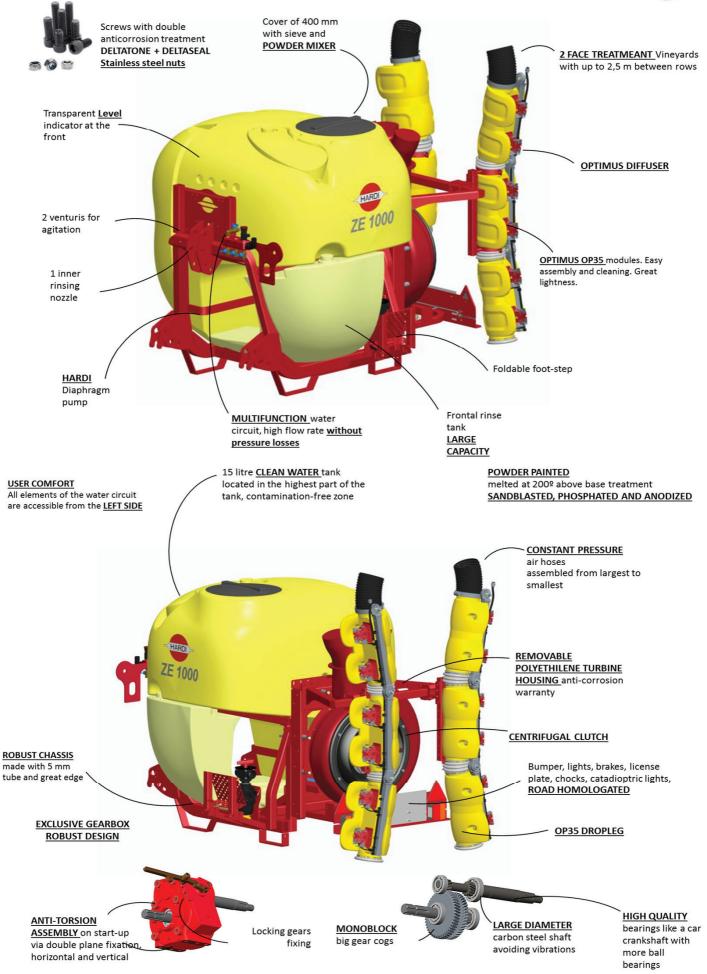


# **Difusor Optimus DM**



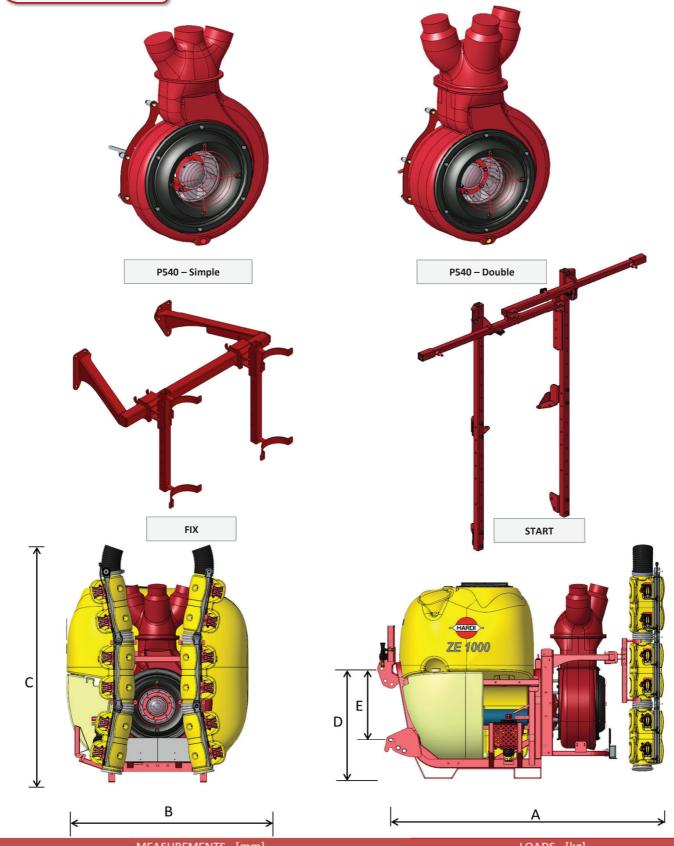
#### **ZENIT LINER OP35**





# **ZENIT LINER OP35**

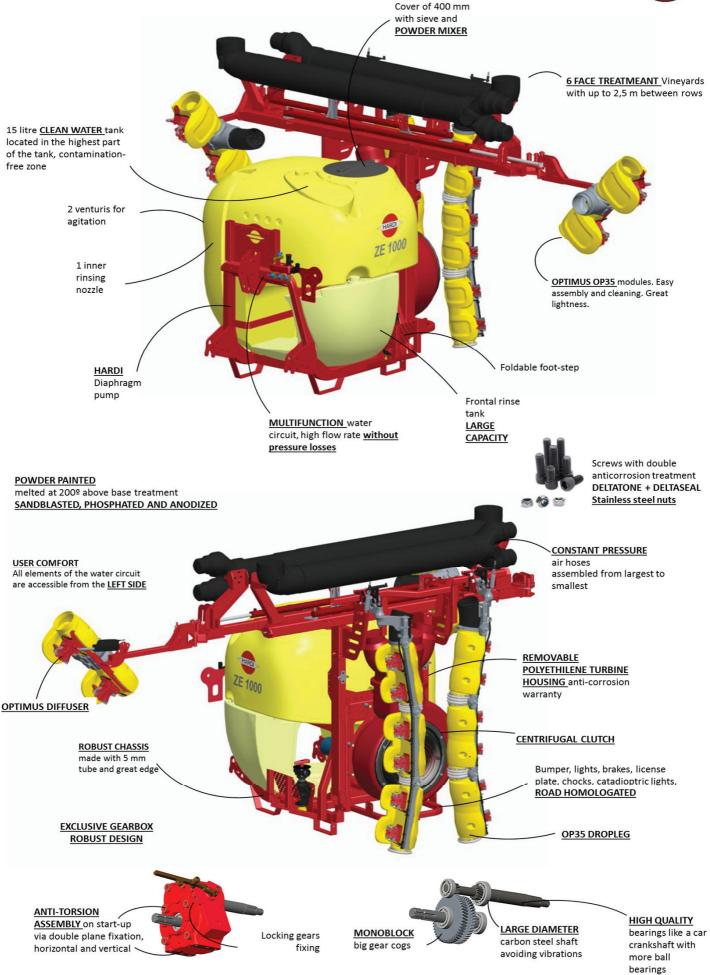




|        |      | MEASUREMI | LOADS - [kg] |     |     |        |         |          |          |
|--------|------|-----------|--------------|-----|-----|--------|---------|----------|----------|
|        | А    | В         | С            | D   | E   |        | P (Kg.) | P1 (Kg.) | P2 (Kg.) |
| 400 L  | 2020 | 1530      | 1880         | 741 | 513 | 400 L  | 365     | -        | -        |
| 600 L  | 2020 | 1530      | 1880         | 741 | 513 | 600 L  | 372     | -        | -        |
| 1000 L | 2235 | 1530      | 1880         | 926 | 678 | 1000 L | 430     | -        | -        |
| 1200 L | 2235 | 1530      | 1880         | 926 | 678 | 1200 L | 450     | -        | -        |

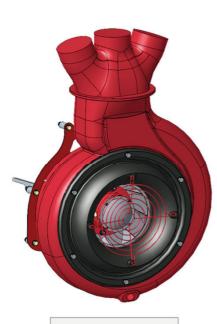
#### ZENIT BOXER SOLID HORIZONTAL PROJECTION OP35

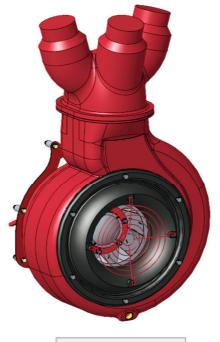




# ZENIT BOXER SOLID HORIZONTAL PROJECTION OP35

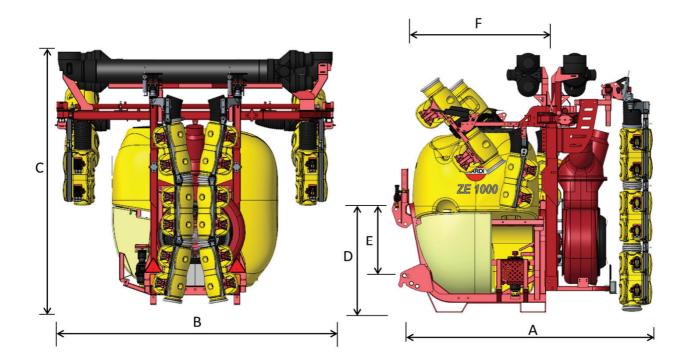






P540 – Simple

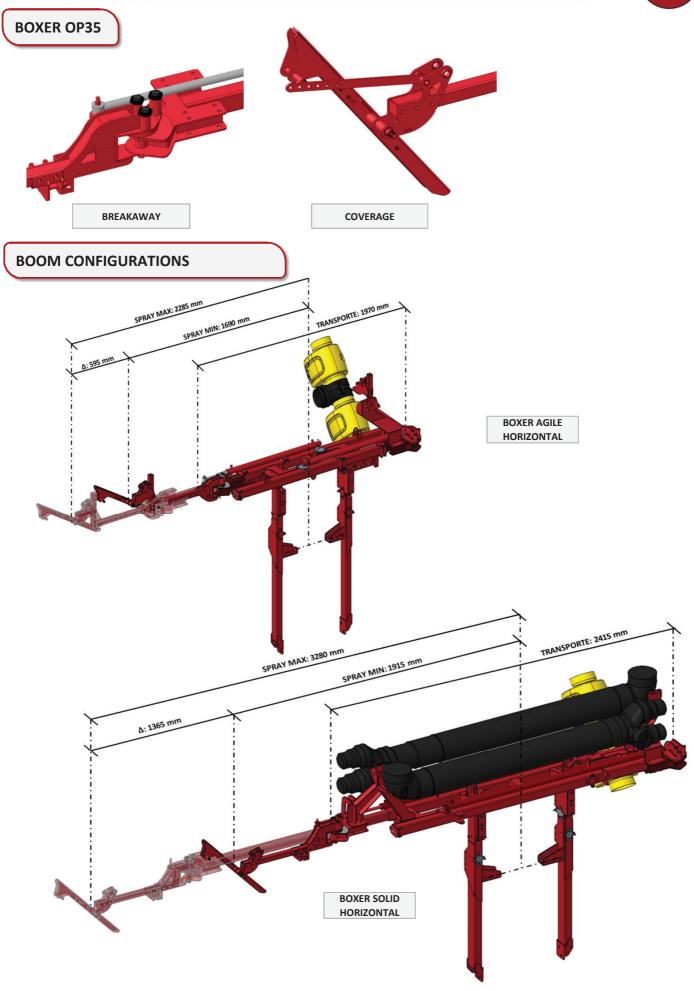
P540 – Double



|        | MEASUREMENTS - [mm] |      |      |     |     |      |        |         | LOADS - [kg] |          |  |  |  |
|--------|---------------------|------|------|-----|-----|------|--------|---------|--------------|----------|--|--|--|
|        | А                   | В    | С    | D   | Е   | F    |        | P (Kg.) | P1 (Kg.)     | P2 (Kg.) |  |  |  |
| 400 L  | 1945                | 2400 | 2320 | 741 | 513 | 1150 | 400 L  | 480     |              | -        |  |  |  |
| 600 L  | 1945                | 2400 | 2320 | 741 | 513 | 1150 | 600 L  | 502     | -            | -        |  |  |  |
| 1000 L | 2160                | 2400 | 2320 | 926 | 678 | 1150 | 1000 L | 550     | -            | -        |  |  |  |
| 1200 L | 2160                | 2400 | 2320 | 926 | 678 | 1150 | 1200 L | 570     | -            | -        |  |  |  |

# **BOOM BOXER HORIZONTAL**



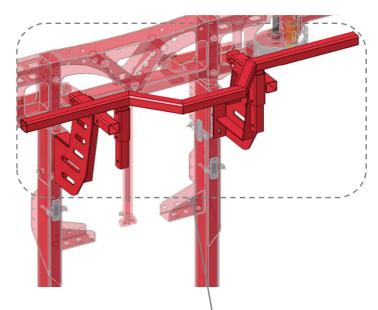


#### BOOM OPTIONALS BOXER HORIZONTAL



#### **BOOM OPTIONALS**





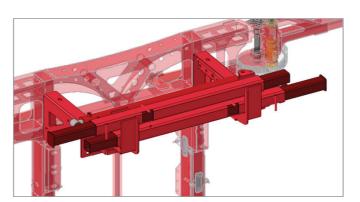
**FIX WITH BREAKAWAY**: Rear droplegs support mounted on boom guides. The rear droplegs are fixed, they don't move hydraulically with the elevator. Breakaway included on each dropleg.

**FIX WITHOUT BREAKAWAY**: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

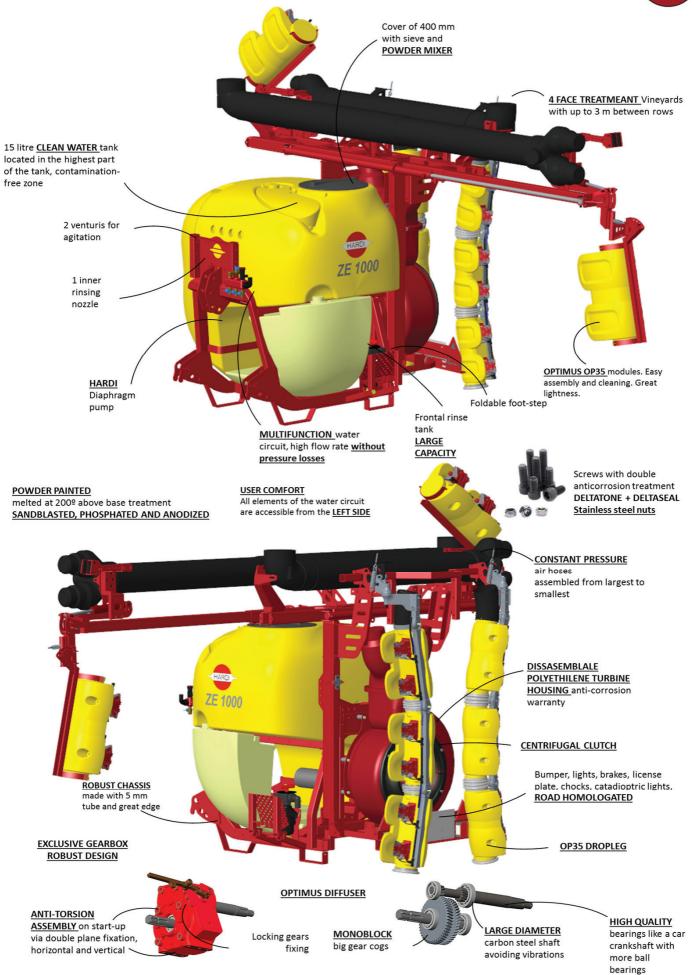
Rear droplegs move hydraulically with the elevator.



**CONVERT HYDRAULIC:** Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - .
Rear droplegs move hydraulically with the elevator.

#### ZENIT BOXER SOLID VERTICAL OP35

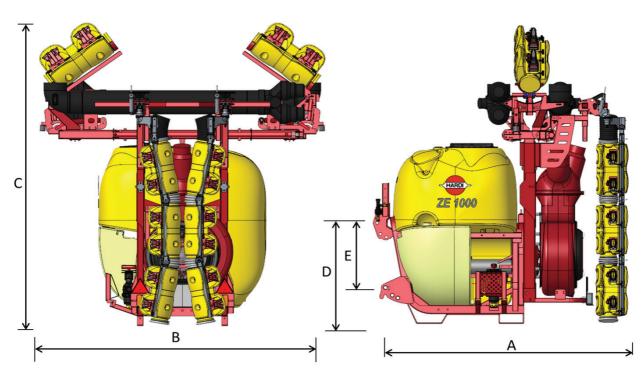




# ZENIT BOXER SOLID VERTICAL OP35





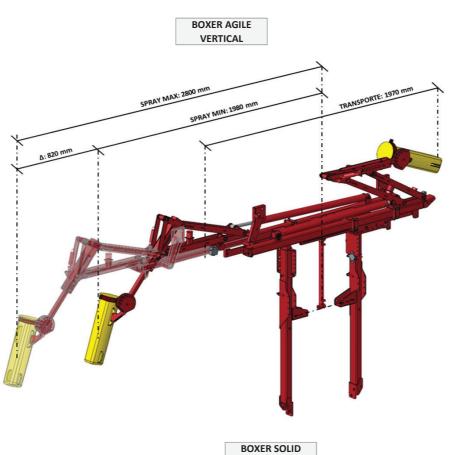


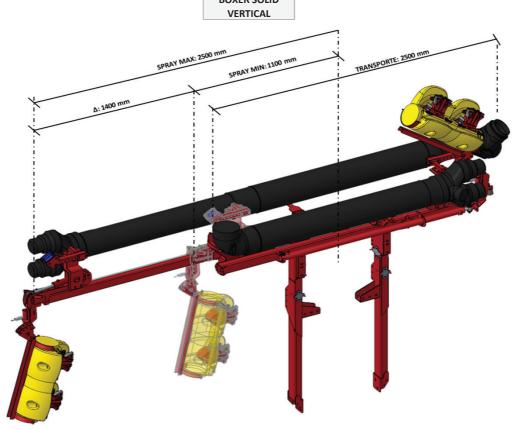
|        | MEASUREMENTS - [mm] |      |      |     |     |        |         | LOADS - [kg] |          |  |  |  |  |
|--------|---------------------|------|------|-----|-----|--------|---------|--------------|----------|--|--|--|--|
|        | Α                   | В    | С    | D   | Е   |        | P (Kg.) | P1 (Kg.)     | P2 (Kg.) |  |  |  |  |
| 400 L  | 1945                | 2400 | 2730 | 741 | 513 | 400 L  | 480     | -            | -        |  |  |  |  |
| 600 L  | 1945                | 2400 | 2730 | 741 | 513 | 600 L  | 502     | -            | -        |  |  |  |  |
| 1000 L | 2160                | 2400 | 2730 | 926 | 678 | 1000 L | 550     | -            | -        |  |  |  |  |
| 1200 L | 2160                | 2400 | 2730 | 926 | 678 | 1200 L | 570     | -            | -        |  |  |  |  |

# **BOOM BOXER VERTICAL**



#### **BOOM CONFIGURATIONS**



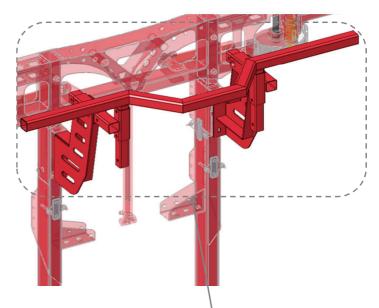


#### **BOOM OPTIONALS BOXER VERTICAL**



#### **BOOM OPTIONALS**





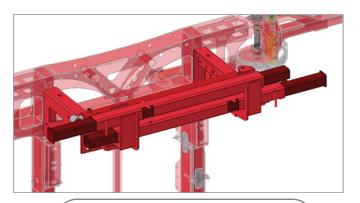
**FIX WITH BREAKAWAY**: Rear droplegs support mounted on boom guides. The rear droplegs are fixed, they don't move hydraulically with the elevator. Breakaway included on each dropleg.

**FIX WITHOUT BREAKAWAY**: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

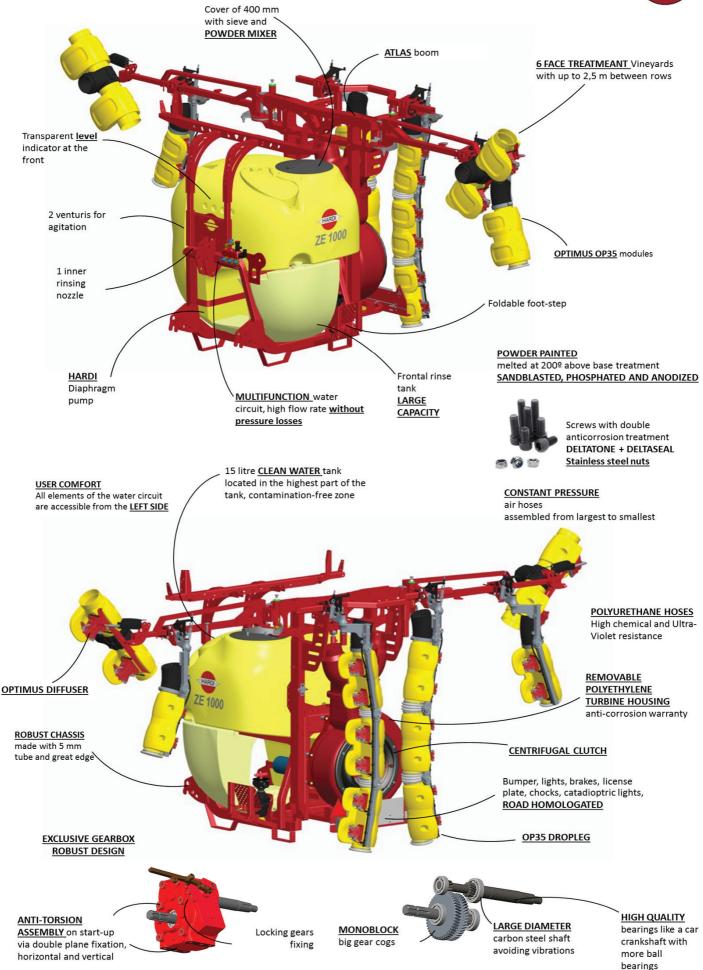
Rear droplegs move hydraulically with the elevator.



**CONVERT HYDRAULIC**: Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - . Rear droplegs move hydraulically with the elevator.

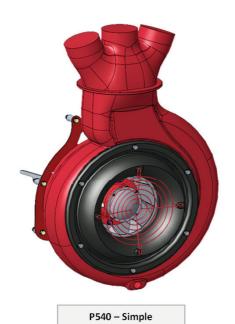
#### ZENIT ATLAS PROJECTION OP35

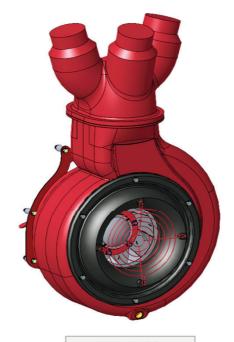




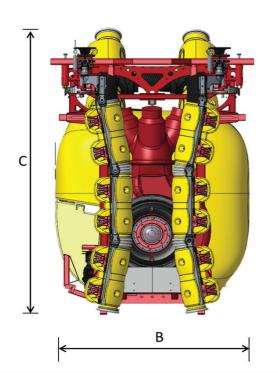
# **ZENIT ATLAS PROJECTION OP35**

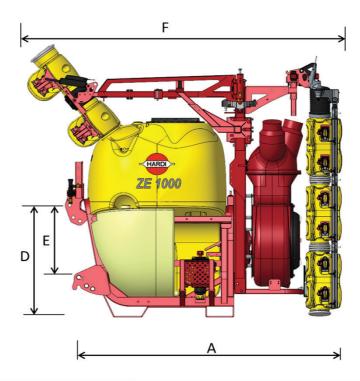






P540 – Double





|        | MEASUREMENTS - [mm] |      |      |     |     |      |        |         | LOADS - [kg] |          |  |  |
|--------|---------------------|------|------|-----|-----|------|--------|---------|--------------|----------|--|--|
|        | А                   | В    | С    | D   | Е   | F    |        | P (Kg.) | P1 (Kg.)     | P2 (Kg.) |  |  |
| 400 L  | 2230                | 1500 | 2250 | 741 | 513 | 1650 | 400 L  | 480     | -            | -        |  |  |
| 600 L  | 2230                | 1500 | 2250 | 741 | 513 | 1650 | 600 L  | 502     | -            | -        |  |  |
| 1000 L | 2445                | 1500 | 2250 | 926 | 678 | 1650 | 1000 L | 550     | -            | -        |  |  |
| 1200 L | 2445                | 1500 | 2250 | 926 | 678 | 1650 | 1200 L | 570     | -            | -        |  |  |

# **BOOM ATLAS - OP35**



**ATLAS OP35** 



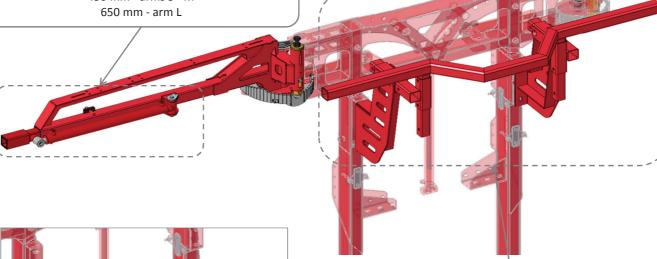
# **BOOM OPTIONALS ATLAS - OP35**

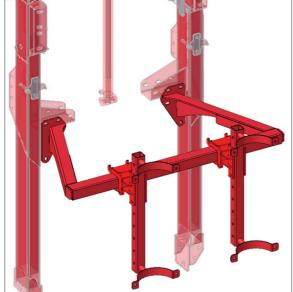


#### **BOOM OPTIONALS - OP35**

ADAPTA E: Hydraulic adjustment for outer droplegs. Extension:

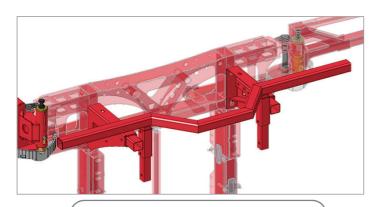
450 mm - arms S - M





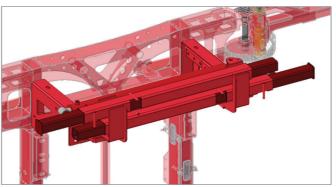
FIX WITH BREAKAWAY: Rear droplegs support mounted on boom guides. The rear droplegs are fixed, they don't move hydraulically with the elevator. Breakaway included on each dropleg.

FIX WITHOUT BREAKAWAY: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

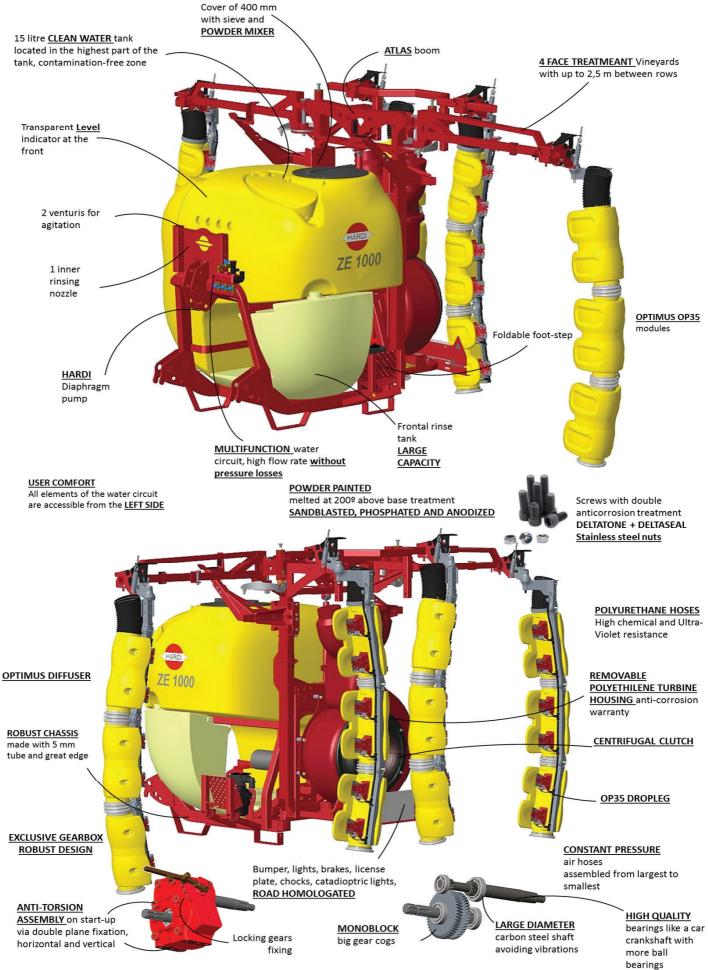
Rear droplegs move hydraulically with the elevator.



**CONVERT HYDRAULIC:** Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - . Rear droplegs move hydraulically with the elevator.

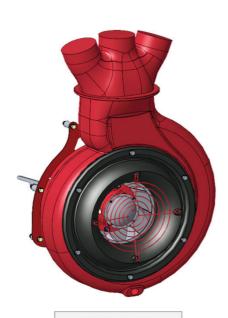
#### ZENIT ATLAS OP35 FACE-FACE



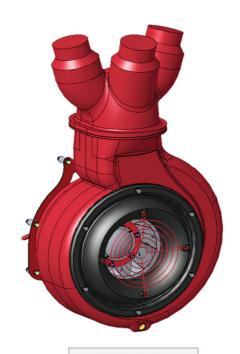


# ZENIT ATLAS OP35 FACE-FACE

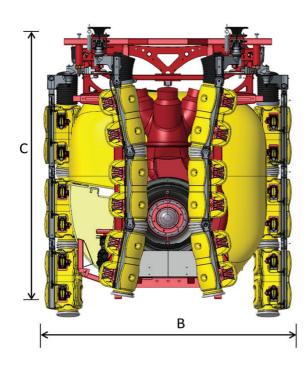


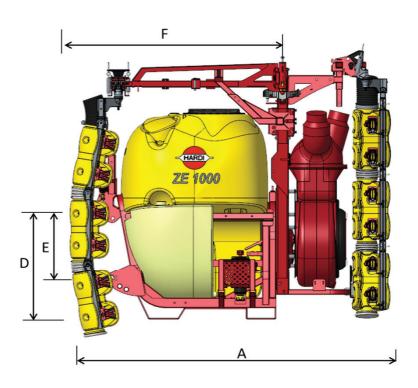






P540 – Double





|        | MEASUREMENTS - [mm] |      |      |     |     |      |        |         | LOADS - [kg] |          |  |  |  |
|--------|---------------------|------|------|-----|-----|------|--------|---------|--------------|----------|--|--|--|
|        | А                   | В    | С    | D   | Е   | F    |        | P (Kg.) | P1 (Kg.)     | P2 (Kg.) |  |  |  |
| 400 L  | 2125                | 1800 | 2065 | 741 | 513 | 1550 | 400 L  | 480     | -            | -        |  |  |  |
| 600 L  | 2125                | 1800 | 2065 | 741 | 513 | 1550 | 600 L  | 502     | -            | -        |  |  |  |
| 1000 L | 2340                | 1800 | 2065 | 926 | 678 | 1550 | 1000 L | 550     | -            | 12       |  |  |  |
| 1200 L | 2340                | 1800 | 2065 | 926 | 678 | 1550 | 1200 L | 570     | -            | -        |  |  |  |

# **BOOM ATLAS - OP35**



**ATLAS OP35** 



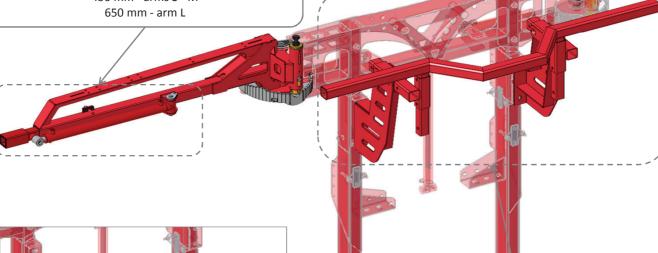
# **BOOM OPTIONALS ATLAS - OP35**

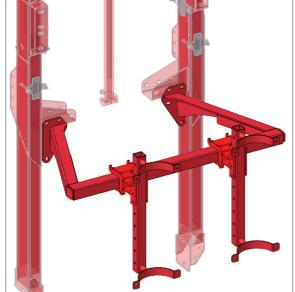


#### **BOOM OPTIONALS - OP35**

ADAPTA E: Hydraulic adjustment for outer droplegs. Extension:

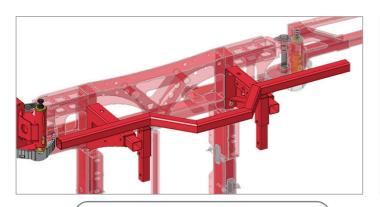
450 mm - arms S - M





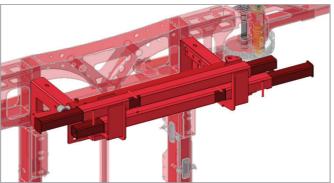
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**CONVERT**: Rear droplegs support mounted on the center frame.

Rear droplegs move hydraulically with the elevator.

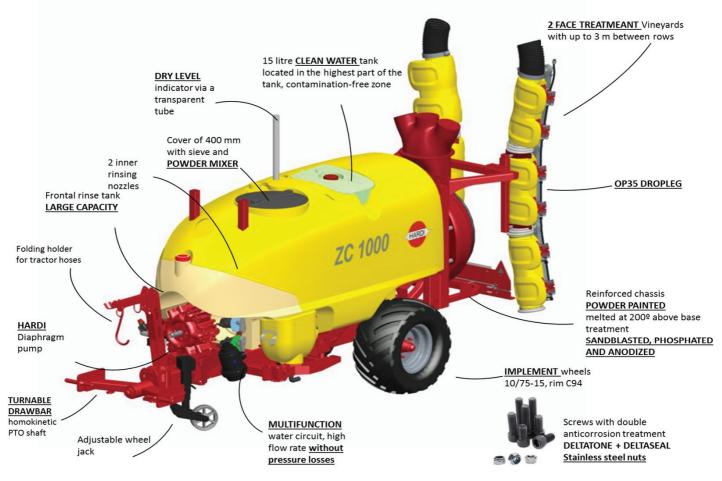


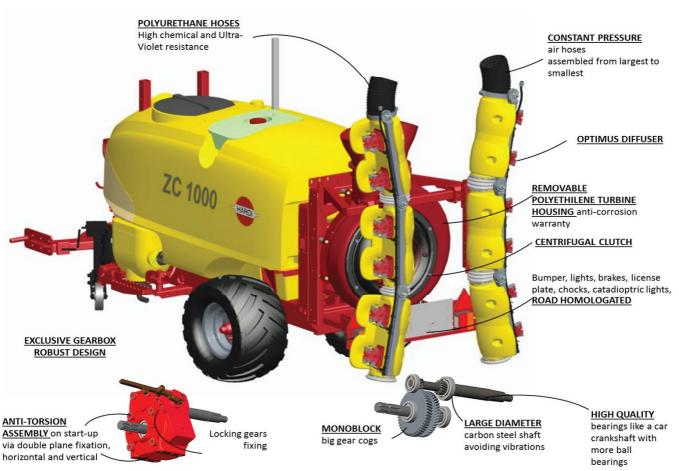
**CONVERT HYDRAULIC**: Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - . Rear droplegs move hydraulically with the

elevator.

#### ZATURN COMPACT LINER OP35







# ZATURN COMPACT LINER OP35

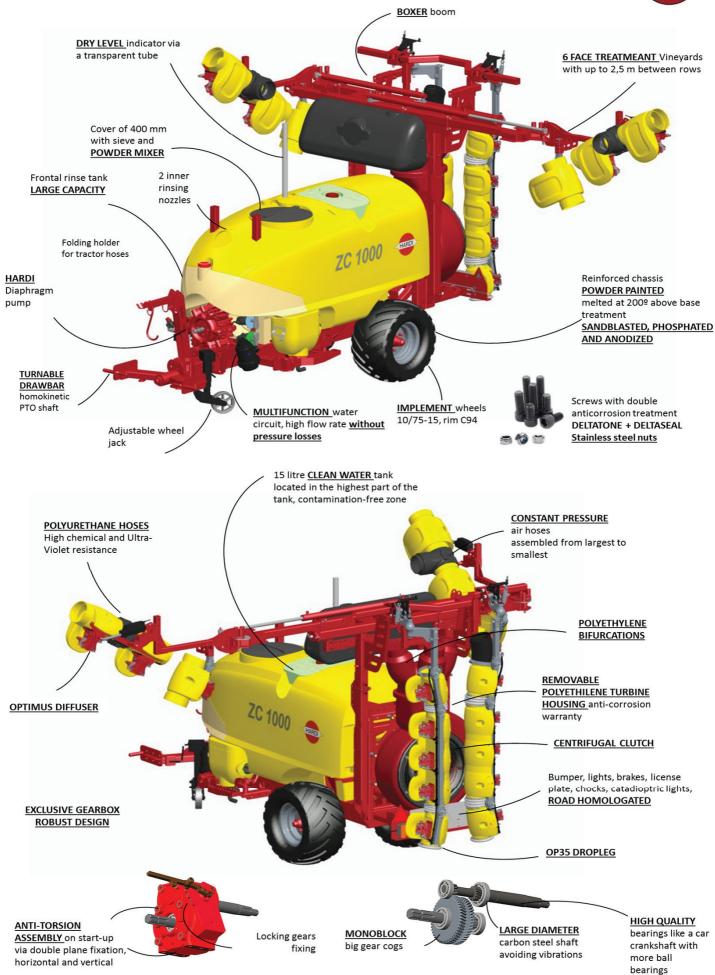




|        |      | MEASUREMI | LOADS - [kg] |      |      |        |         |          |          |
|--------|------|-----------|--------------|------|------|--------|---------|----------|----------|
|        | Α    | В         | С            | D    | Е    |        | P (Kg.) | P1 (Kg.) | P2 (Kg.) |
| 600 L  | 3165 | 1100-1550 | 2165         | 800  | 1430 | 600 L  | 670     | 610      | 60       |
| 800 L  | 3410 | 1100-1550 | 2165         | 1000 | 1430 | 800 L  | 690     | 620      | 70       |
| 1000 L | 3580 | 1100-1550 | 2165         | 1000 | 1430 | 1000 L | 720     | 648      | 72       |
| 1300 L | 3580 | 1100-1550 | 2165         | 1000 | 1550 | 1300 L | 740     | 658      | 82       |

#### ZATURN COMPACT BOXER OP35

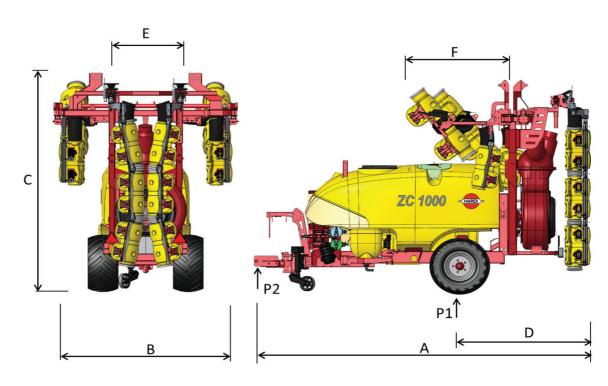




# **ZATURN COMPACT BOXER OP35**



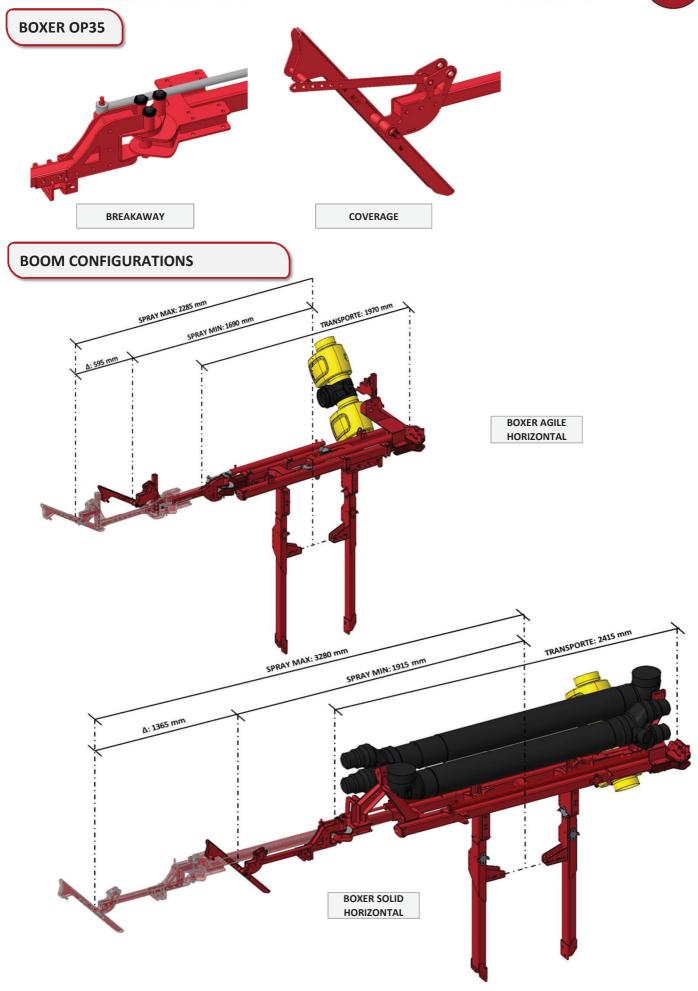




|        | MEASUREMENTS - [mm] |      |      |      |      |      |        | LOADS - [kg] |          |          |  |  |
|--------|---------------------|------|------|------|------|------|--------|--------------|----------|----------|--|--|
|        | А                   | В    | С    | D    | E    | F    |        | P (Kg.)      | P1 (Kg.) | P2 (Kg.) |  |  |
| 600 L  | 3235                | 1950 | 2385 | 800  | 1430 | 1150 | 600 L  | 825          | 750      | 75       |  |  |
| 800 L  | 3480                | 1950 | 2485 | 1000 | 1430 | 1150 | 800 L  | 855          | 770      | 85       |  |  |
| 1000 L | 3650                | 1950 | 2485 | 1000 | 1430 | 1150 | 1000 L | 915          | 813      | 102      |  |  |
| 1300 L | 3650                | 1950 | 2485 | 1000 | 1550 | 1150 | 1300 L | 940          | 828      | 112      |  |  |

# **BOOM BOXER HORIZONTAL**



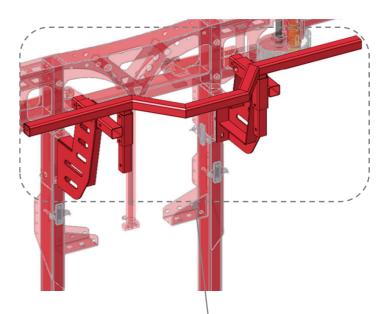


#### BOOM OPTIONALS BOXER HORIZONTAL



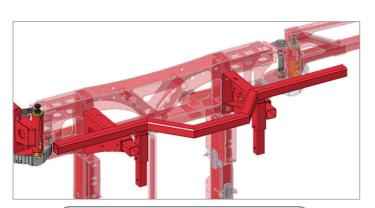
#### **BOOM OPTIONALS**





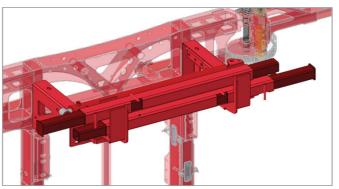
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**FIX WITHOUT BREAKAWAY**: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

Rear droplegs move hydraulically with the elevator.



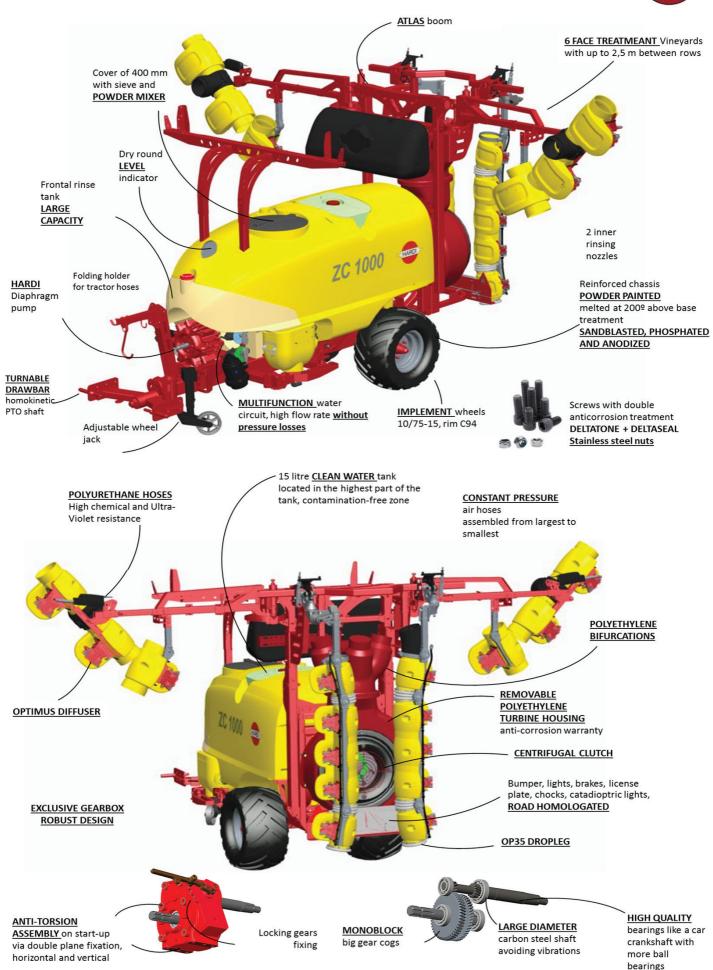
**CONVERT HYDRAULIC:** Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - .

Rear droplegs move hydraulically with the

Rear droplegs move hydraulically with the elevator.

#### ZATURN COMPACT ATLAS OP35

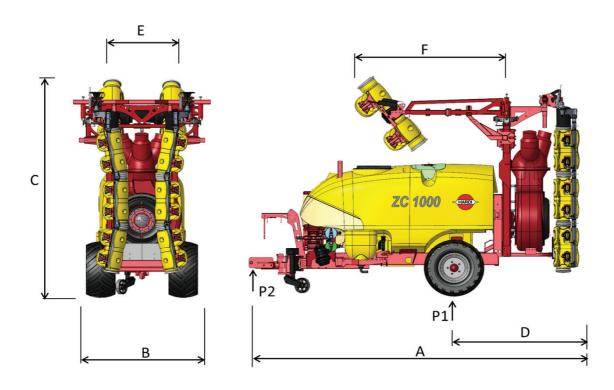




# **ZATURN COMPACT ATLAS OP35**





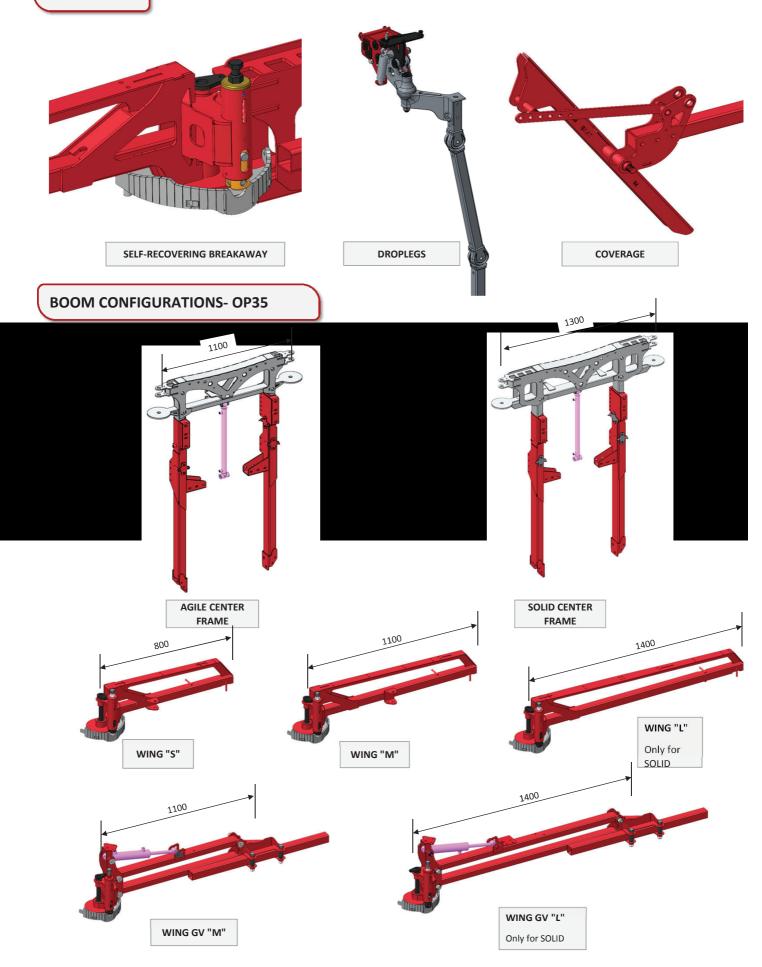


|        |      | MEAS | LOADS - [kg] |      |      |      |        |         |          |          |
|--------|------|------|--------------|------|------|------|--------|---------|----------|----------|
|        | А    | В    | С            | D    | Е    | F    |        | P (Kg.) | P1 (Kg.) | P2 (Kg.) |
| 600 L  | 3165 | 1520 | 2425         | 800  | 1430 | 1630 | 600 L  | 925     | 695      | 230      |
| 800 L  | 3410 | 1520 | 2525         | 1000 | 1430 | 1630 | 800 L  | 995     | 750      | 245      |
| 1000 L | 3580 | 1520 | 2525         | 1000 | 1430 | 1630 | 1000 L | 1150    | 865      | 285      |
| 1300 L | 3580 | 1520 | 2525         | 1000 | 1550 | 1630 | 1300 L | 1250    | 940      | 310      |

# **BOOM ATLAS - OP35**



**ATLAS OP35** 



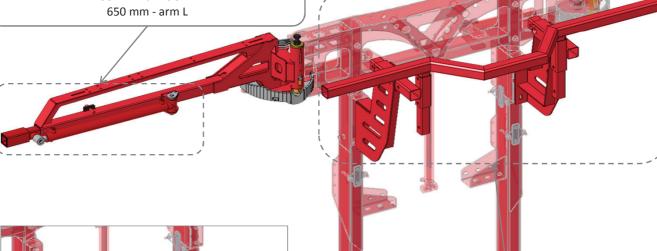
# **BOOM OPTIONALS ATLAS - OP35**



#### **BOOM OPTIONALS - OP35**

ADAPTA E: Hydraulic adjustment for outer droplegs. Extension:

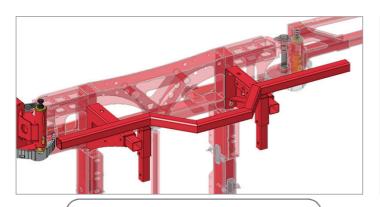
450 mm - arms S - M





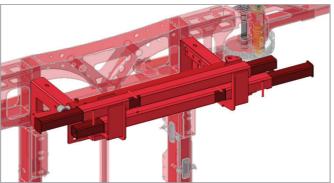
FIX WITH BREAKAWAY: Rear droplegs support mounted on boom guides. The rear droplegs are fixed, they don't move hydraulically with the elevator. Breakaway included on each dropleg.

FIX WITHOUT BREAKAWAY: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

Rear droplegs move hydraulically with the elevator.

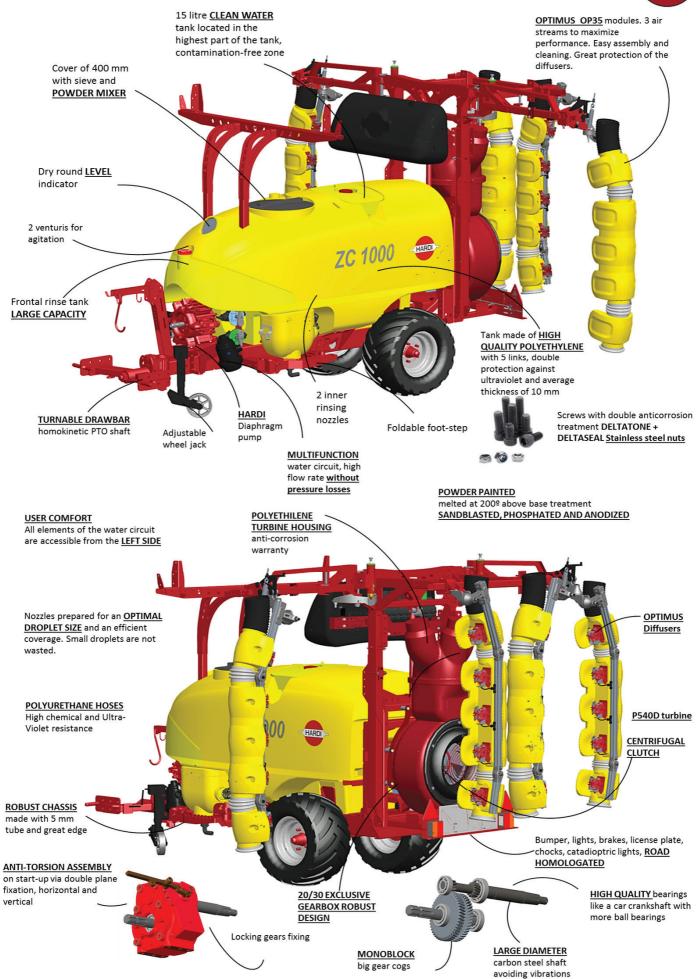


**CONVERT HYDRAULIC: Rear droplegs** support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - . Rear droplegs move hydraulically with the

elevator.

#### ZATURN COMPACT ATLAS OP35

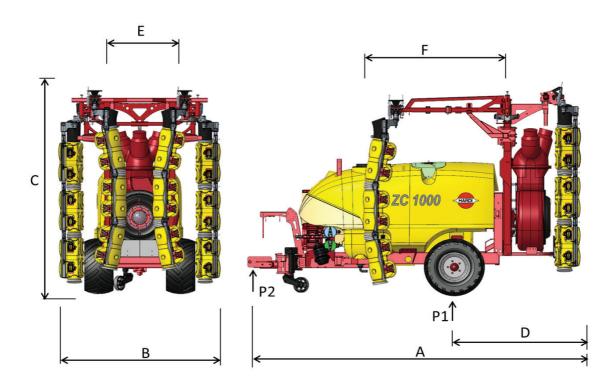




# **ZATURN COMPACT ATLAS OP35**





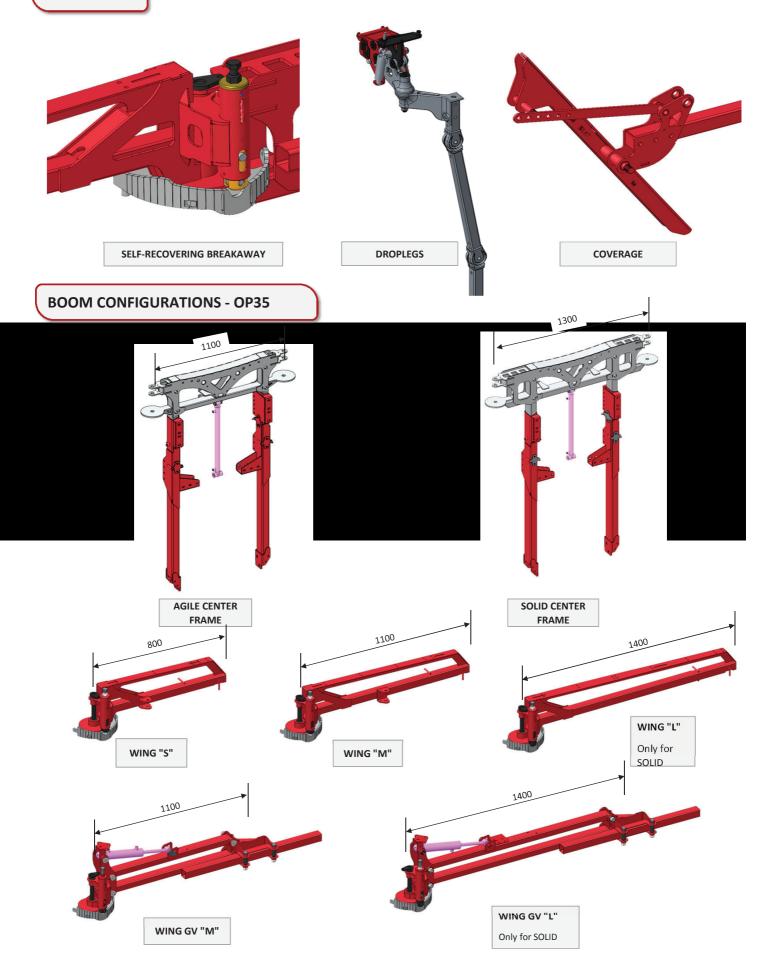


|        | MEASUREMENTS - [mm] |      |      |      |      |      |        |         | LOADS - [kg] |          |  |  |  |
|--------|---------------------|------|------|------|------|------|--------|---------|--------------|----------|--|--|--|
|        | А                   | В    | С    | D    | Е    | F    |        | P (Kg.) | P1 (Kg.)     | P2 (Kg.) |  |  |  |
| 600 L  | 3165                | 1800 | 2370 | 800  | 1430 | 1530 | 600 L  | 925     | 695          | 230      |  |  |  |
| 800 L  | 3410                | 1800 | 2370 | 1000 | 1430 | 1530 | 800 L  | 995     | 750          | 245      |  |  |  |
| 1000 L | 3580                | 1800 | 2370 | 1000 | 1430 | 1530 | 1000 L | 1150    | 865          | 285      |  |  |  |
| 1300 L | 3580                | 1800 | 2370 | 1000 | 1550 | 1530 | 1300 L | 1250    | 940          | 310      |  |  |  |

# **BOOM ATLAS - OP35**



**ATLAS OP35** 



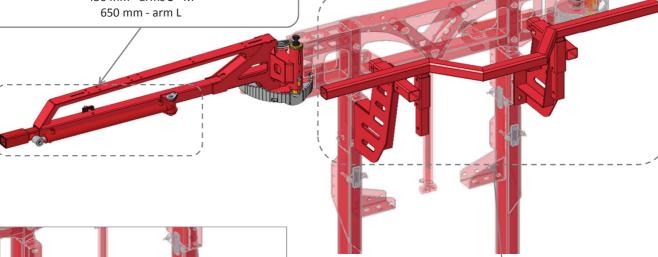
# **BOOM OPTIONALS ATLAS - OP35**

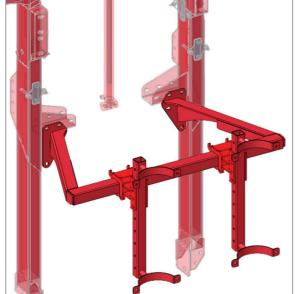


#### **BOOM OPTIONALS - OP35**

ADAPTA E: Hydraulic adjustment for outer droplegs. Extension:

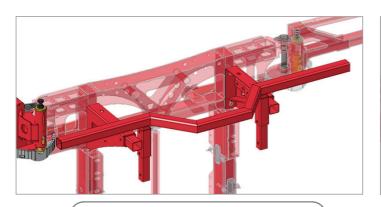
450 mm - arms S - M





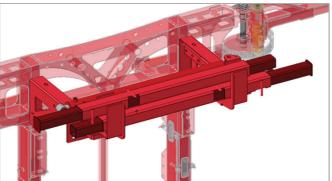
FIX WITH BREAKAWAY: Rear droplegs support mounted on boom guides. The rear droplegs are fixed, they don't move hydraulically with the elevator. Breakaway included on each dropleg.

FIX WITHOUT BREAKAWAY: Rear droplegs support mounted on the chassis. Rear droplegs are fixed, they don't move hydraulically with the elevator.



**CONVERT**: Rear droplegs support mounted on the center frame.

Rear droplegs move hydraulically with the elevator.



**CONVERT HYDRAULIC**: Rear droplegs support mounted on the center frame with individual hydraulic adjustement for each dropleg - Extension 650 mm - . Rear droplegs move hydraulically with the elevator.