

# OPTIMA 1015 - 1020

## ESSENTIEL PACK

A best seller configuration with an installed base of more than 10,000 machines in France and in Europe.

### Standard configuration:

- IRRICONTROL Turbine Motorization
- Standard painted version
- Simple axle: Wheels set 10 x 0,75 x 15,3 10 plys with adjustable track from 1800 to 2100
- OPTIMA Trolley base
- Hydraulic turntable and stabilizers (distribution 2 ways)
- Manual front jack
- Automatic lifting of the trolley at the end of the position
- Part circle gun KOMET 101 ULTRA 24° for 75 to 90 (nozzles kit set 16, 18, 20, 22)
- Part circle gun KOMET 101 ULTRA 24° for 100 to 110 (nozzles kit set 22, 24, 26, 28)
- Double supply pipe, so you can easily connect the reel machine regardless of the turntable rotating adopted.
- Connection hose Ø 84 length 6 m with HR male Ø 4" and FLD male Ø 4" coupler Tractor PTO shaft

### Mandatory equipment :

- Motorized butterfly valve: depending on your type of water supply: network or individual pumping, you can either have an automatic valve, a discharge valve, or a dual valve that supports both: automatic and discharge.
- For the discharge valve a hose or an elbow is proposed to direct the flow of water towards the ground during the discharge.
- Skid kit or kit Wheel kit according to the plot and the type of soil or crop.
- Four Packs for OPTIMA trolley: Low legs front Pack, High legs front Pack, High legs offset Pack, High legs front and offset Pack.



1020 ESSENTIEL PACK

### Optional equipment OPTIMA trolley

- Front and offset OPTIMA trolley guide, an option that traces a guide furrow, very useful on heavy or sloping ground.
- Trolley riser kit (0.24 m) which can be added to the High Legs Pack. It is therefore recommended to ballast the trolley with the additional 2 cast iron weights.
- Lifting kit for boom Briggs type

You can also select the Wheels set 31/15,5X 15 with adjustable track from 2000 to 2100.

This pack can be fitted with an OPTIMA distribution kit for good irrigation in the periphery of the hose reel.

### 1015

|               |
|---------------|
| Ø 75 - 400 m  |
| Ø 82 - 350 m  |
| Ø 82 - 370 m  |
| Ø 90 - 340 m  |
| Ø 90 - 350 m  |
| Ø 100 - 260 m |

### 1020

|               |
|---------------|
| Ø 82 - 420 m  |
| Ø 90 - 400 m  |
| Ø 90 - 450 m  |
| Ø 100 - 330 m |
| Ø 100 - 370 m |
| Ø 100 - 410 m |
| Ø 110 - 340 m |

### Hydraulic Performances

| Model       | Ø PE  | Length (m) | PEThickness (mm) | RLL* | Flow rate (m³/h) | Inflow pressure (bars) | Irrigated strip width (m) | Average area (ha) |
|-------------|-------|------------|------------------|------|------------------|------------------------|---------------------------|-------------------|
| Optima 1015 | Ø 75  | 400        | 6,8              | 70%  | 18 - 30          | 5,5 - 10               | 54 - 60                   | 2,6               |
|             | Ø 82  | 350        | 6                | 50%  | 18 - 40          | 5,5 - 10               | 54 - 66                   | 2,5               |
|             | Ø 82  | 370        | 6                | 70%  | 18 - 40          | 5,5 - 10               | 54 - 66                   | 2,5               |
|             | Ø 90  | 340        | 6,7              | 60%  | 18 - 58          | 5,5 - 10               | 54 - 78                   | 2,6               |
|             | Ø 90  | 350        | 6,7              | 80%  | 18 - 58          | 5,5 - 10               | 54 - 78                   | 2,7               |
|             | Ø 100 | 260        | 7,4              | 80%  | 18 - 70          | 5,5 - 10               | 54 - 84                   | 2,6               |
| Optima 1020 | Ø 82  | 420        | 7,5              | 70%  | 23 - 37          | 5,5 - 10               | 54 - 66                   | 2,7               |
|             | Ø 90  | 400        | 6,7              | 80%  | 23 - 50          | 5,5 - 11               | 54 - 78                   | 2,9               |
|             | Ø 90  | 450        | 8,2              | 35%  | 25 - 45          | 5,5 - 11               | 54 - 78                   | 3,3               |
|             | Ø 100 | 330        | 7,4              | 40%  | 23 - 70          | 5,5 - 10               | 66 - 84                   | 3,1               |
|             | Ø 100 | 370        | 7,4              | 80%  | 23 - 60          | 5,5 - 10               | 66 - 84                   | 3,5               |
|             | Ø 100 | 410        | 7,4              | 30%  | 23 - 60          | 5,5 - 10               | 66 - 84                   | 3,7               |
|             | Ø 110 | 340        | 8,2              | 80%  | 23 - 75          | 5,5 - 10               | 72 - 90                   | 3,6               |

### Technical specifications

| Model       | Height. (m.) | Width (m.) | Length ex trolley (m.) | Length in trolley (m.) | Height under frame (m.) | Tyres          | Weight ex water | inc water |
|-------------|--------------|------------|------------------------|------------------------|-------------------------|----------------|-----------------|-----------|
| Optima 1015 | 2,99         | 2,28       | 5,00                   | 6,30                   | 0,32                    | 10 x 0,75 x 15 | 2400            | 3900      |
| Optima 1020 | 3,16         | 2,32       | 5,10                   | 6,40                   | 0,32                    | 10 x 0,75 x 15 | 2900            | 4900      |

\*RLL : recovery last layer

# ESSENTIEL-MEDIUM-PREMIUM PACK



Turbine motorization



Double supply pipe



ESSENTIEL and MEDIUM PACK lifting



PREMIUM PACK lifting

## MEDIUM PACK

An all-hydraulic pack with the OPTIMA anti-crops washing system.

### Standard configuration:

- IRRIDOSEUR Turbine Motorization
- Standard painted version
- Full hydraulic assembly: this kit includes turntable, stabilizers and front jack
- Wheels set 31/15,5 X 15 with adjustable track from 2000 to 2100
- Part circle gun KOMET 101 ULTRA 24° for 75 to 90 (nozzles kit set 16, 18, 20, 22)
- Part circle gun KOMET 101 ULTRA 24° for 100 to 110 (nozzles kit set 22, 24, 26, 28)
- OPTIMA Trolley base
- Automatic lifting of the trolley at the end of the position.
- Double supply pipe, so you can easily connect the reel machine regardless of the turntable rotating adopted.
- Connection hose Ø 84 length 6 m with HR male Ø 4" and FLD male Ø 4" coupler
- Tractor PTO shaft

### Mandatory equipment :

- Motorized butterfly valve: depending on your type of water supply: network or individual pumping, you can either have an automatic

valve, a discharge valve, or a dual valve that supports both: automatic and discharge.

- For the discharge valve a hose or an elbow is proposed to direct the flow of water towards the ground during the discharge.
- Skid kit ou Wheel kit selon le dénivelé de la parcelle et le type de sol.
- Four Packs for OPTIMA trolley: Low legs front Pack, High legs front Pack, High legs offset Pack, High legs front and offset Pack.

### Optional equipment for OPTIMA trolley

- Gun centring kit for offset trolley
- Front and offset OPTIMA trolley guide, according to the plot and the type of soil or crop.
- Trolley riser kit (0.24 m) which can be added to the High Legs Pack. It is therefore recommended to ballast the trolley with the additional 2 cast iron weights.
- Lifting kit for boom Briggs type

**All IRRIDOSEUR options are available for the two PACKS MEDIUM and PREMIUM, see the full description on page 8.**

**A galvanized frame version is available for the three packs.**

## PREMIUM PACK

An all-hydraulic pack compatible with the 2008 trolley.

### Standard configuration:

- IRRIDOSEUR Turbine Motorization
- Standard painted version
- Full hydraulic assembly: this kit includes turntable, stabilizers and front jack
- Wheels set 31/15,5 X 15 with adjustable track from 2000 to 2100
- Part circle gun KOMET 101 ULTRA 24° for 75 to 90 (nozzles kit set 16, 18, 20, 22)
- Part circle gun KOMET 101 ULTRA 24° for 100 to 110 (nozzles kit set 22, 24, 26, 28)
- 2008 Trolley basis including the front wheel, Skid kit not compatible
- PREMIUM lifting with standalone hydraulic
- Double supply pipe, so you can easily connect the reel machine regardless of the turntable rotating adopted.
- Connection hose Ø 84 length 6 m with HR male Ø 4" and FLD male Ø 4" coupler
- Tractor PTO shaft

### Mandatory equipment:

- Motorized butterfly valve: depending on your type of water supply: network or individual pumping, you can either have an automatic valve, a discharge valve, or a dual valve that supports both: automatic and discharge.
- For the discharge valve a hose or an elbow is proposed to direct the flow of water towards the ground during the discharge.
- Two 2008 Trolley Pack available: High legs front Pack and High legs offset Pack.

### Optional equipment 2008 Trolley

- Trolley guide kit for 2008 series, an option that traces a guide furrow, very useful on heavy or sloping ground.
- Gun centring kit for offset trolley
- Trolley riser kit (0.24 m) which can be added to the High Legs Pack. It is therefore recommended to ballast the trolley with the additional 2 cast iron weights.
- Lifting kit for boom Briggs type