



**DOBROWOLSKI**

Airport runway sprayer ORION Combi is a new model of the runway sprayers, manufactured by Dobrowolski SP. Orion Combi is designed for de-icing of airports runways and areas by pouring designated for that chemicals substances.

# ORION COMBI

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The unit is manufactured to the highest standards of quality, speed, reliability and simplicity

## Technical specification ORION COMBI

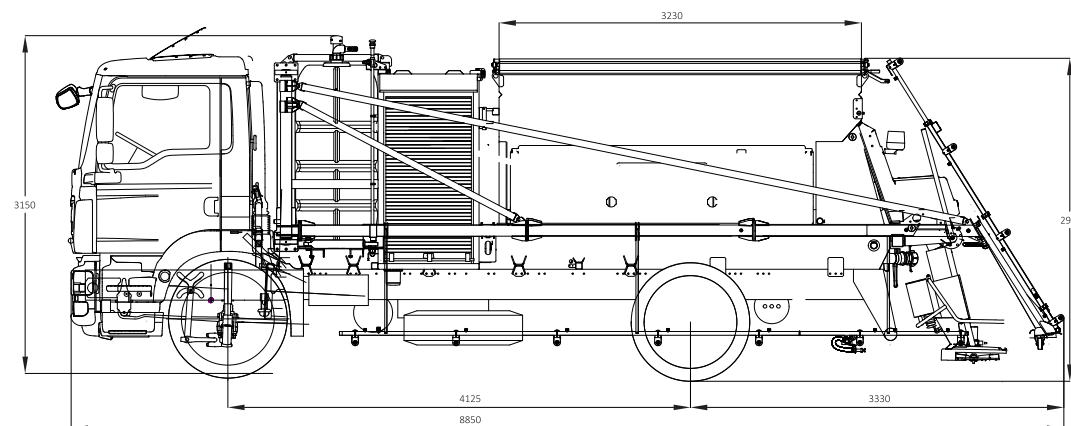
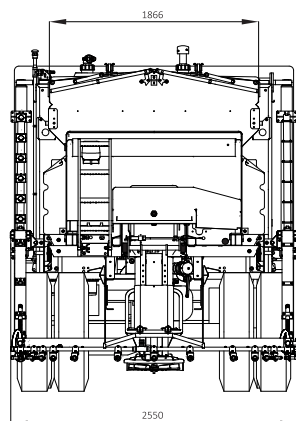
<b>Capacity</b>	
Tank for liquid chemical substances	4.000 l
Tank for solid substances	5 m <sup>3</sup>

<b>Dimensions</b>	
Height of the superstructure	3150 mm
Width of the superstructure	2550
Length of the superstructure	8850 mm
DMC	18 000 kg

<b>Working speed</b>	
Min sprinkling-flushing speed	15 km/h
Max sprinkling-flushing speed	40 km/h
Min spreading speed	5 km/h
Max spreading speed	60 km/h

### The other parameters

Sprinkling-flushing width	12 m, 22 m
Spreading width	3-12 m
Consumption of the liquid chemical substances	15 – 45 g/m <sup>2</sup>
Consumption of the solid substances	5 – 40 g/m <sup>2</sup>
Consumption of the membrane pumps	2 x 280 l/min+2 x 120 l/min
Maximum pressure	20 bar
Working pressure	4 bar
Rail opening and closing time	30 sec
Maximum pressure in the hydraulic system	180 bar
Voltage of the electric control systems and lighting	24 V
Voltage of the installation of heating the engine hydraulic tank oil at temperatures below - 5 °C	230 V



Orion Combi is an airport combination spreader of solid and liquid chemical reagents model, with spreading disc, and spreading arms, designed for de-icing treatment of airport runways, taxiways and parking areas. Works with most de-icing chemical reagents based on acetate, formic acid, glycol and urea.

All control operation of the spreader is performed from the driver's cabin by a microprocessor and allows you to keeping the desired parameters and regardless of changes the speed.

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