







# **Presentation**

## **The Port Authority of NY & NJ**

### **Multifunctional snow removal vehicles**

**Øveraasen RS 400 runway sweepers**

**Mercedes Benz / Øveraasen 2043 AS 4x4 trucks**

**Øveraasen EP 9 snow plows**



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# RS 400 Performance Line



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# RS 400 Performance Line Technical specifications



## *General*

Total length	: 41 ft 8 in
Height	: 10 ft 8 in
Width	: 20 ft 3 in
Width transport	: 9 ft 2 in
Brush diameter	: 3 ft 10 in
Brush length	: 20 ft 6 in
Brush material	: Steel or poly
Brush speed	: 0 - 720 rpm

## *Capacity data*

Working width	: 18 ft
Clearing capacity	: 3 848 098 ft <sup>2</sup>
Working speed	: 16 – 40 mph
Fan capacity	: 1 412 587 ft <sup>3</sup>
Blowing speed	: 336 mph

## *Engine*

Engine	: MTU 6R1100 EU Stage IV (Tier 4)
Power rating	: 320 kW at 1700 rpm
Torque	: 2100 Nm at 1300 rpm

## *Volumes*

Fuel tank	: 264 US gal
AdBlue tanks	: 10 US gal
Hydraulic oil tank	: 39 US gal

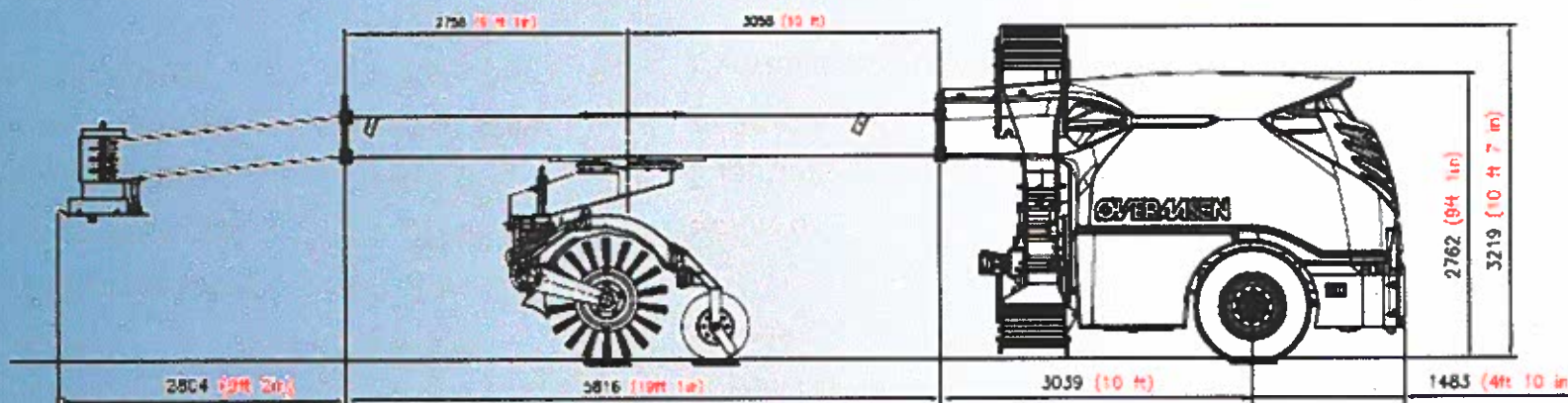
## *Electrical system*

Voltage	: 24 Volt
Batteries	: 2x12V 170 Ah
Controllers	: Danfoss Plus1





# RS 400 Performance Line Drawing



# RS 400 Performance Line





# RS 400 Performance Line (package)



# RS 400 Performance Line



Rear hood tilted



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# RS 400 Performance Line



High capacity blowing fan

Panel and joystick in drivers cabin



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# EP 9 snow plow



## EP 9 plough

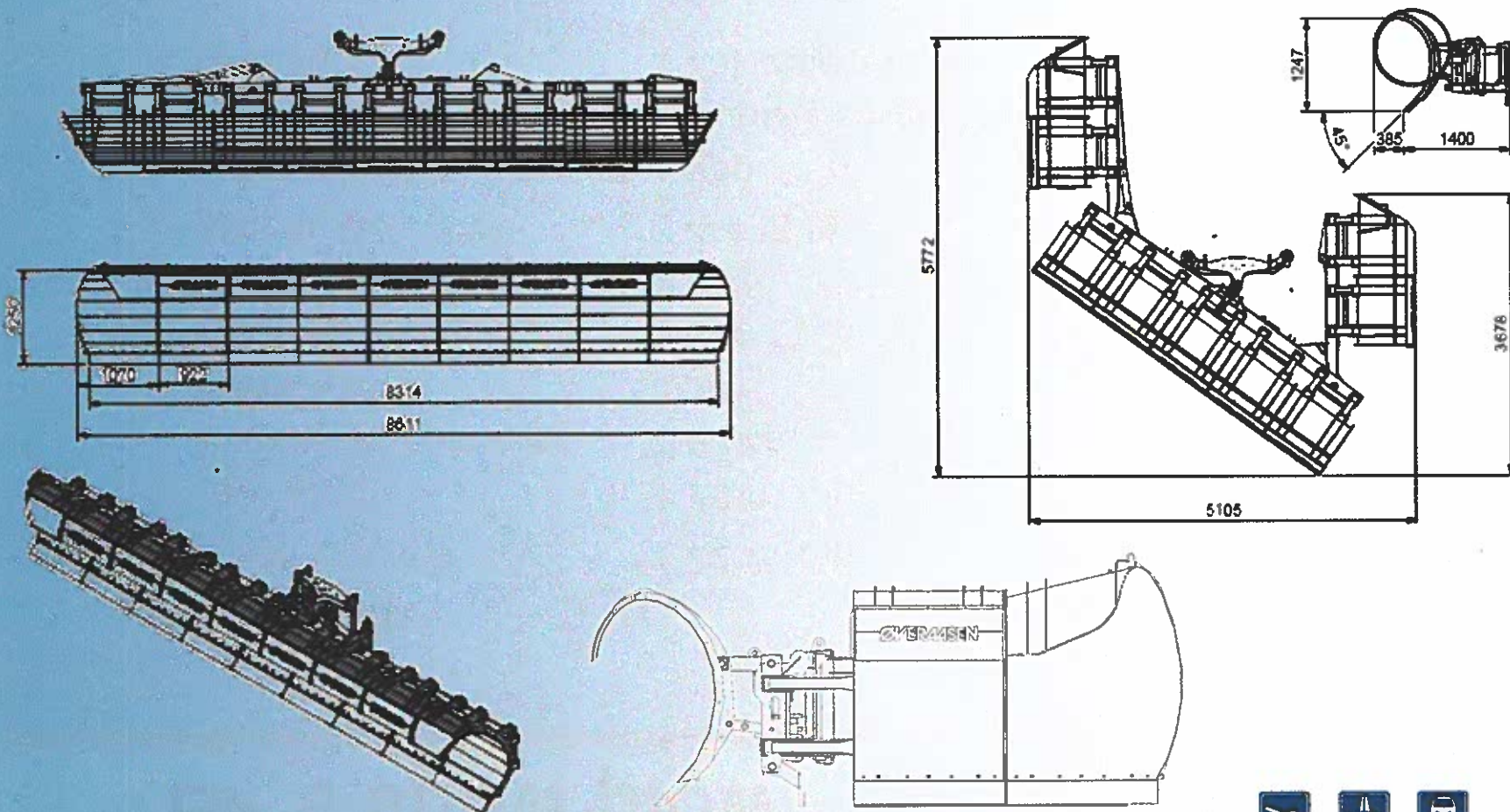
- Working width : 22 ft 4 in
- Max width : 28 ft 3 in
- Number of elements : 9 pcs
- Blade width : 3 ft
- Blade height : 3 ft 11 in
- Working angle : 35°
- Weight incl. hitch : 4 475 lb
- Retract height, element : app. 5 in
- Lifting device : DuoLift parallelogram
- Parking system : Foldable wings



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# Drawings, EP 9 snow plow



## Mercedes Benz / Øveraasen 2043 AS 4x4 truck



- Model : 2043 AS 4x4
- Engine power : 316 kW (430 hp)
- Total weight : app. 48 500 lb
- Steering : LHD
- Fuel tank : xxx l
- Batteries : 180 Ah
- Emission standard : EURO 6





# RS 400 Performance Line main advantages



- Aerodynamic design for high working speeds
- Strong, heavy design without any vibrations or bouncing
- No sensible micro switches
- Automatic brush adjustment according to speed and wear
- Effective clearing width up to 18 ft
- Working speed with total stability 40 mph
- New generation variable capacity fan up to 1 412 587 ft<sup>3</sup>/h in air tunnel at 336 mph
- Air nozzles and tunnel in front of the rear wheels
- Large size brush diameter 3 ft 10 in
- Large size support wheels
- Hydraulic fittings in non-corrosive material
- All Din A4 stainless steel bolts and nuts
- Easy access for service and maintenance
- Latest generation EURO MOT 4 engine (Tier 4)
- MTU engine 6R1000 P=260 kW / 6R1100 P=320 kW



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# RS 400 Performance Line main advantages

- Large diesel tank for 40 - 50 hours of operation
- Latest standard of hydraulic components
- Unique broom suspension system with mechanical float
- Special corrosion treatment and choice of materials
- Maximum brush speed  $v=103$  mph
- Adjustable fifth wheel coupling as standard
- Strong rear bumper
- Lower investment and considerably reduced operational costs
- (100 hours minimum per set of cassettes!)
- Extremely low life cycle cost
- Modern control panel
- Easy operation
- Joystick in armrest (Plough, brush, fan)
- Good access to brush core to change cassettes (20 minutes)
- Variation of different options (heater, battery charger, arctic packages etc.)
- Unique Performance-Line package



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# RS 400 “Performance Line Package”



This package is an option and contains the following equipment at an interesting price:

- Aerodynamic main frame cover
- Orange side marking lights (engine hood and frame cover)
- Safety upper light bar rear
- Central lubrication system
- PC-based service tool with programs
- 220 Volt engine heater
- 220 Volt battery charger
- 220 Volt hydraulic tank heater
- Summer/winter switch for heater and charger
- 24 Volt NATO emergency start socket
- QR code for easy access to service package
- Personal airport logo on frame cover
- Considerably savings compared to buying each option separately!



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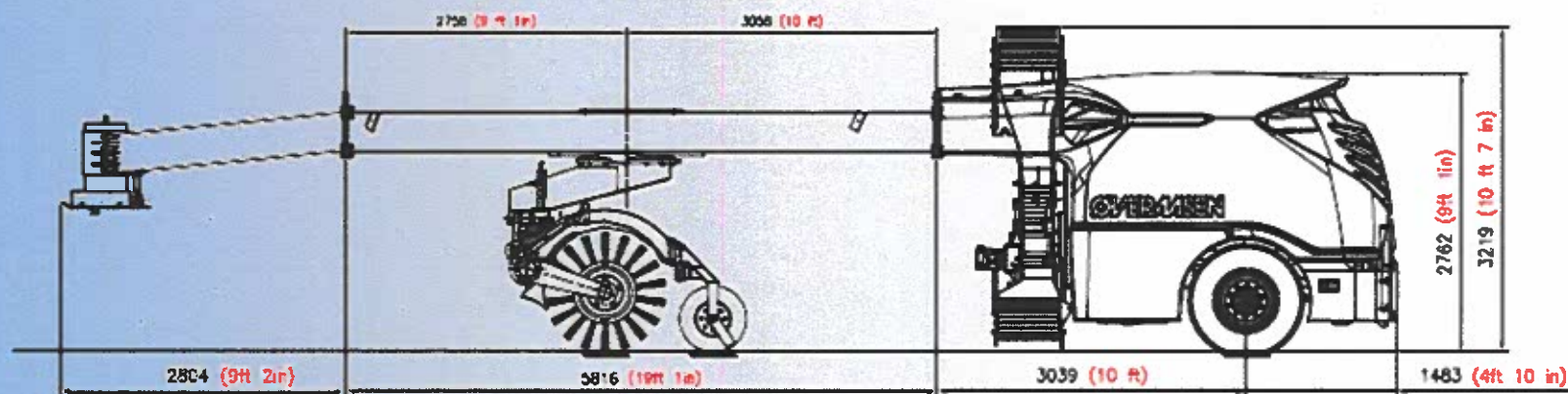
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# RS 400 Performance Line



Rear hood tilted



# RS 400 Performance Line



High capacity blowing fan

Panel and joystick in drivers cabin





# EP 9 snow plow



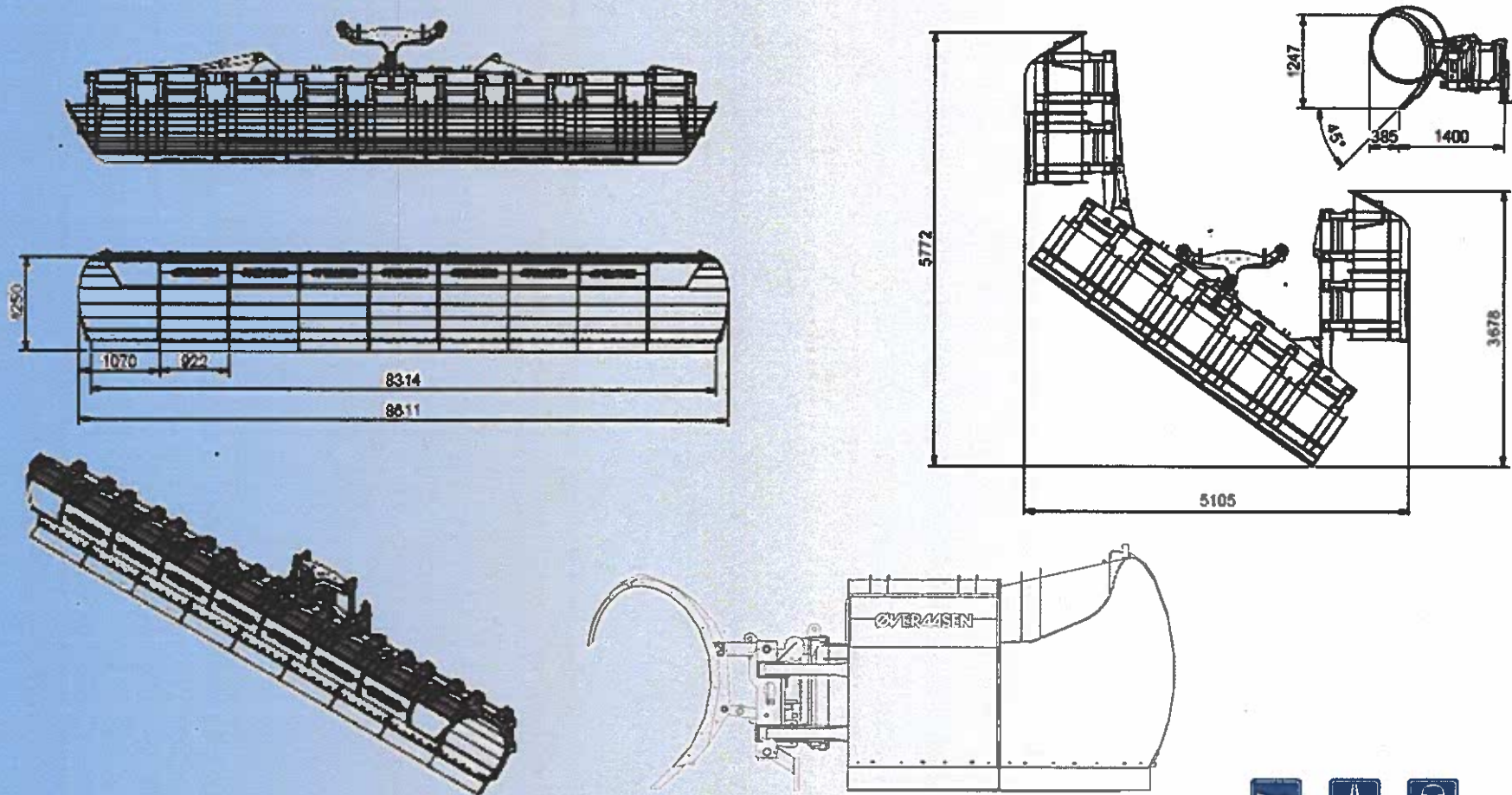
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