

# MACHINE FOR DE-ICING RUNWAY

## DAMMANN FEA 6024



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### **Technical Data**

DAMMANN model FEA 6024, consist two individual systems, united, working together and operated from the cabin of the machine. The machine can make the de-icing activities in three rates depending on the need of the operator with given dozage from the operator:

- Only with liquid reagent
- Only with dry reagent
- Mixture from liquid and dry reagents

#### **II. Chassis- three- axles, Mercedes- Benz**

1. Model- Actros 3332Euro 4
2. Engine- Mercedes- Benz
  - Type- V6LA, Euro 4
  - Power- 235 kW( 320hp)/1 800min<sup>-1</sup>

The machine corresponds to all the requirements for the work in the EU.

III. System for spreading of the liquid reagent- the most modern in the world practice. The advantage of the liquid reagent is that it cannot be blown off from the wind and stay long on the runway.

1. Range of spreading- 3 m., 12 m., 24 m. ( in transport position- 3 m.)
2. Nozzles – 192 pieces.- injectional
3. Injectors- 96 pieces
4. Transverse distribution of reagents +/- 8% - guaranteed – real achievment +-5%
5. Tank volume- 8 200 l. ( full volume)
  - 7 900 l. ( effective volume)
6. Pump for liquid reagent:

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- 12 cylinder, piston
- capacity- 500 l./min.
- pressure- 200 atm.

7. Filter for liquid reagent- non-corrosive, automatically self-cleaning

8. Control- automated, electronic computerisation, placed in the cabin of the machine

### IV. System for spreading of the dry materials and dry reagent

1. Hopper volume- 8 m<sup>3</sup>, non- corrosive
2. Spreaders - 2 бп.
3. Driving- independently
4. Dosage- 5-50 gr.m<sup>2</sup>
5. Width of spreading - from 2 to 24 m.
6. Control- electronic, computerised
7. Control panel- mounted in the cabin
8. Device for spreading- hydraulic
9. Rear working lights

Machines of these type are sold ( from 1997 to 2008) and work in:

- Ø Hamburg- 4 units
- Ø Munich- 4 units
- Ø Leipzig- 1 units
- Ø Nurnberg- 2 units
- Ø Stutgard- 1 unit
- Ø Airport NATO- 3 units