



## V22ORCA DUST

**WORLDS FIRST DUST CONTROLLER  
FOR EXTREME WEATHER CONDITIONS**

The V22Orca is a dust control machine, which has been specially developed for cold countries. When dust can no longer be controlled with water mist due to the icy temperatures, the V22Orca immediately produces snow – an absolute market innovation. Also due to the patented turbine with integrated compressor.

The V22Orca guarantees efficient dust control throughout the year. In principle, it is possible to call this hybrid solution an extreme machine, which in summer operates without problems up to temperatures of +45° using water mist, and in winter it efficiently controls dust with snow down to -25°.





#### WHAT MAKES THE V22ORCA UNIQUE:

- › the V22Orca is the first hybrid solution on the market, and it controls dust using water mist in the summer and wet snow in winter
- › wet snow works exceptionally well in controlling dust because the dust particles stick to it
- › the V22Orca makes it possible to control dust efficiently throughout the year
- › the nozzle ring consists of Quadrijet nozzles (for water mist) and nucleator nozzles (for the production of snow)
- › the user can easily switch between the summer mode (water mist), and the winter mode (snow)
- › there are four different water channels, all of which can be remote controlled or software controlled.

#### FOR WHAT AREAS OF APPLICATION IS THE V22ORCA MOST SUITED?

The V22Orca was specially developed for the northern countries and countries with extreme weather. It is especially suitable for all kinds of industries, demolition works, ports, loading facilities, mining and open pit mining.

#### TECHNICAL SPECIFICATIONS

|                           |       |              |
|---------------------------|-------|--------------|
| Throwing distance (up to) | m     | 70-90        |
| Nominal Power - turbine   | kW    | 22           |
| Nominal Power - pump      | kW    | 11           |
| Operating Temperature     | C°    | -25° to +45° |
| Turbine tilt              | °     | -10° to +40° |
| Water Flow                | l/min | 50-310       |

#### WHY DO WE NAME A DUST CONTROLLER AFTER AN ORCA?

Orcas are the undisputed kings of the seas: they adapt to all climatic conditions, inhabit the oceans from the Arctic to the tropics, are extremely social, very intelligent and always work on new hunting methods. We ascribe these qualities also to our V22Orca: it can easily fight dust in summer and winter, is versatile, equipped with the latest software and of course extremely effective in dust abatement.

