

The dust controller for all year-round dust protection in extreme weather conditions

The dust controller V22Orca 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 +40° using water mist, and in winter it efficiently controls dust with snow down to -25°.



WHAT MAKES THE V22ORCA UNIQUE:

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



TYPICAL APPLICATION AREAS

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

ELECTRICAL CHARACTERISTICS

Nominal voltage	V	400
Frequency	Hz	50
Nominal current	A	68
Power connection	A	5x125
Nominal power – turbine	kW	22
Nominal power – pump	kW	11

SIZE

Length (on machine carrier)	mm	2,300
Width (on machine carrier)	mm	1,650
Height (on machine carrier)	mm	2,195
Length without steering (undercarriage)	mm	2,560
Length with steering (undercarriage)	mm	3,190
Width (on undercarriage)	mm	2,000
Height (on undercarriage)	mm	2,210

WEIGHT

On machine carrier	kg	1,150
On undercarriage with front wheel	kg	1,200
Weight machine only	kg	735

VARIOUS

Operating temperature	°C	-25° to +40°
Turbine tilt	°	-10° to +40°
Swing (automatic)	°	350°
Throwing distance (up to)	m	70 – 90
Sound pressure level LA	db(A)	70 at 20 m

WATER

Water flow	l/min	50 – 324
Water supply pressure	bar	2 – 5
Water filter		125 µm / 120 mesh
Water connection – 2 inch		Camlock
optional		“C” Storz
optional		UNI 45

ARRANGEMENT OF NOZZLES

Nozzle ring	pcs.	6 fixed nozzles, 12 switchable nozzles
Nucleator nozzle	pcs.	6