



Large Capacity Vacuum Cleaning Unit

The central vacuum cleaner Optimum is a mid-range machine with a large capacity. This model is available with a 3 or 4 kW vacuum pump, which can be set for direct start or equipped with a frequency converter to improve its thermal efficiency and overall effectiveness.

The pump is designed and made in Europe, with a robust construction to ensure its long and problem-free life. The standard pump has a separate vacuum relief valve and a thermal protection. The mounted muffler keeps the noise levels as low as possible.

Optimum is built on a strong and stable frame, resting on four adjustable feet to insure its secure installation. These same holes can be used to anchor the unit to the ground.

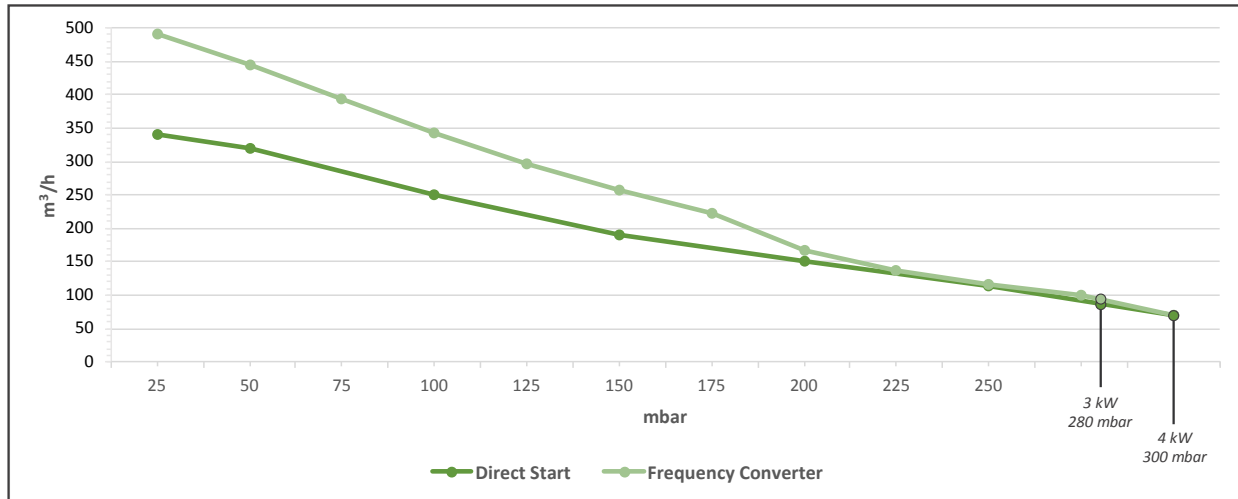
The centrifugal separator has a steel hinged dust container which can easily be opened and closed by a lever. The collected garbage is gathered inside a plastic bag within the dust container for an easy and hygienic manipulation.

The polyester filter complies with the BIA requirements for the class "M". Its surface is 4 m² and its conical shape increase the efficiency of its filter cleaning function. The standard vacuum unit is delivered with a semi-automatic filter cleaning function, but can be upgraded to a fully automatic compressed air cleaning function.





Air Flow Chart with a 3kW & 4kW Vacuum Pump from Esam



Technical Specifications

		Optimum	Optimum	Optimum	Optimum
Article number		223100	223200	224100	224200
Size	<i>LxWxH [cm]</i>	52x78x162	52x78x162	52x78x162	52x78x162
Weight	<i>kg</i>	72	74	78	80
Power supply	<i>V / kW</i>	400 V, 3 kW	400 V, 3 kW	400 V, 4 kW	400 V, 4 kW
Power consumption	<i>A</i>	7	7	9	9
Fuse, delayed	<i>A</i>	10	10	10	10
Starter, type	<i>D/FI</i>	Direct	Freq.inverter	Direct	Freq.inverter
Motor protection	<i>Clixon/PTC</i>	Clixon	Clixon	Clixon	Clixon
Airflow	<i>m³/h</i>	330	420	330	420
Vacuum	<i>mbar</i>	280	280	300	300
Inlet diameter	<i>mm</i>	63	63	63	63
Outlet diameter	<i>mm</i>	80	80	80	80
Filter, size	<i>m²</i>	4	4	4	4
Material		Polyester	Polyester	Polyester	Polyester
Type		Conical	Conical	Conical	Conical
Filtration		BIA Class M	BIA Class M	BIA Class M	BIA Class M
Filter cleaning, type		Manual	Manual	Manual	Manual
Dust bucket, volume	<i>l</i>	40	40	40	40
Dust bag, capacity	<i>l</i>	50	50	50	50
Dust bag full, indicator		No	No	No	No
Compressor		No	No	No	No
Silencer		Yes	Yes	Yes	Yes
No simultaneous users		1	1-2	1	2-3