

# Mobile High Vacuum Cleaning Units



## Electric powered units

Electric vacuum units are ideal for demanding cleaning tasks in most types of industries, such as food processing, pharmaceutical, powder coating and foundries. It can also be used in combination with on-tool extraction for small grinders and sanders and for welding fume extraction. The system is effortless to handle thanks to the ergonomic trolley with adjustable handle. The filter is durable with high filtration efficiency.

## Air powered units

Air powered ejector units are used for collecting and transporting dry or wet materials and liquids in industries that work in very tough environments.

## ATEX approved products

The air powered ejector units are also available for use in areas where explosion hazards exist. The ATEX approved products are made of conductive and antistatic material, to comply with the ATEX directive 94/9/EC, and can be used in explosion hazardous category 2 and 3 areas.



Model	Welding Fume	Powder	Dust	Grit	Granulate	Chips	Liquids	Misc
<b>Electric powered.</b>								
<b>Vacuum 21.5-30 kPa. (85-120 in. w.g.) Airflow 160- 360 m³/h (95-215 cfm)</b>								
P160 I	x	x	x					
P300 I	x	x	x	x				
P30 B	x	x	x	x	x			
P30 I	x	x	x	x	x	x		
P55 I	x	x	x	x	x	x		
<b>Electric powered*</b>								
<b>Vacuum 21.5-30 kPa. (85-120 in. w.g.) Airflow: 312- 639 m³/h (185-380 cfm)</b>								
Bb104			x		x	x		x
Bb181							x	
Bb216		x	x	x	x	x		x
Bb306					x	x	x	x
Bb515				x	x	x	x	
Bb680		x	x	x	x	x		x
<b>Air powered</b>								
<b>Vacuum 21-68 kPa. (85-205 in. w.g.) Airflow: 306-660 m³/h (180-201 cfm)</b>								
Ab105			x		x	x		
Ab115			x		x			
Ab216		x	x	x	x	x		x
Ab306		x	x				x	x
Ab405				x	x	x	x	
Ab426		x	x	x	x	x		x
Ab450			x		x		x	
Ab500			x		x	x	x	x
Ab510				x	x	x	x	
<b>Air powered. EX approved</b>								
<b>Vacuum 21-68 kPa. (85-205 in. w.g.) Airflow: 306-660 m³/h (180-201 cfm)</b>								
Ab105 Ex			x		x	x		
Ab216 Ex		x	x	x	x	x		x
Ab426 Ex		x	x	x	x	x		x
Ab500 Ex			x		x	x	x	x
Ab510 Ex				x	x	x	x	

\* Not available in Canada

Product availability may differ by country

# Electric powered vacuum units

Unit type	Motor power max., W (Hp)	Max. airflow, m <sup>3</sup> /h (cfm)	Max. vacuum, kPa (in. w.g.)	Noise level (ISO 11201), dB(A)	Cleaning equipment	Auto start/stop	Compressed air connection	Dust bin volume, l (gal.)	Weight, kg (lbs.)	Height/Width/Depth, mm (in)	Filter indicator	IP class	Filter	Voltage, V	Part no.
P 30 I	3000 (4.6)	240 (143)	30 (118)	71	CE450	Optional (PAS30)	No	32/25 (9/7)	74 (163)	1130/650/980 (45/23/29)	NO	55	Textile bag filters	208	40055820
														230	40055830
														460	40055840
														575	40055850
P 55 I	5500 (8.6)	360 (212)	30 (118)	72	CE500	No	No	35/25 (9/7)	101 (223)	1130/650/980 (45/26/39)	No	55	Textile bag filters	208	40056020
														230	40056030
														460	40056040
														575	40056050
P 160 I	1200 (1.5)	160 (95)	22 (86)	75	CE370 P	For electrical tools	No	21/14 (5.5/3.6)	19.5 (43)	1160/430/480 (46/17/19)	Yes	24	Textile bag filters	120	40055040
P300 I	2x1200 (2 x 1.5)	300 (178)	22 (86)	75	CE370 P	For electrical/pneumatic tools	No	32/28 (8.5/7.5)	36 (80)	1230/600/580 (49/24/23)	No	24	Textile bag filters	120	40055440



### P160 I

A lightweight unit with an optional micro filter for the filtration of very fine particles.



### P30 B

Designed for the professional handling of hazardous dust. The powerful side channel fan gives an outstanding extraction capacity.

(Not available in Canada or the USA.)



### P55 I

Dust extraction by three stage separation cyclone. An optional micro filter for the filtration of very fine particles can be added.



### P300 I

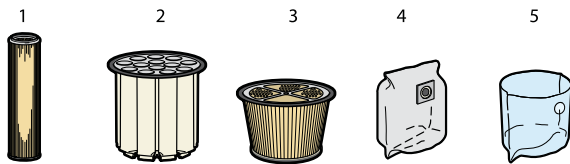
A robust unit with optional suction power- twin single phase motors.



### P30 I

The textile filters offer an extra long life of 6000-8000 hours with this unit. An optional micro filter for the filtration of very fine particles can be added.

## Filters for Electric Powered Units



Filters	P160	P300	P30	P55	Part no.
2 Bag filter pack polypropylene	x				40114250
3 Cartridge filter	x				40114130
1 Micro filter cartridge	x				40114100
2 Bag filter pack polypropylene		x			40119951
1 Micro filter cartridge		x			40119970
2 Bag filter pack polypropylene			x		40114160
1 Micro filter cartridge			x		40114110
1 Micro filter cartridge				x	40114120
2 Bag filter pack polypropylene				x	40114180
3 Cartridge filter		x	x	x	40114140
4 Textile filter bag		x	x	x	40119990
4 Plastic bin liner	x				40110870
5 Plastic bin liner		x	x	x	40115011

Product availability may differ by country

# Electric Powered Vacuum Units \*

		Bb104	Bb181	Bb216	Bb306	Bb515	Bb680
<b>Part no:</b>		42410400	42418100	42421601	42430600	42451500	42468000
Max. vacuum	mmWC (in.w.g.)	2150 (85)	2150 (85)	2150 (85)	2150 (85)	2150 (85)	3000 (118)
Max. airflow	Nm <sup>3</sup> /hr (cfm)	312 (184)	312 (184)	460 (270)	460 (270)	460 (270)	639 (376)
Voltage	V	230 (120)	230 (120)	230 (120)	230 (120)	230 (120)	230/400 (120/220)
Power	kW (Hp)	1.6 (2.1)	1.6 (2.1)	2.4 (3.2)	2.4 (3.2)	2.4 (3.2)	5.5 (7.3)
Power phase		Single	Single	Single	Single	Single	Three
Power frequency	Hz	60	60	60	60	60	60
Classification		IP44	IP44	IP44	IP44	IP44	IP54
Starting method		Direct	Direct	Direct	Direct	Direct	Man. Y/D
Noise level *	dB(A)	74	74	75	75	75	70
Simultaneous operators:		-	-	-	-	-	2
Container practical volume:	litres (gal.)	40 (11)	40 (11)	47 (12)	40 + 50 (11 + 13)	160 (42)	47 (12)
Length x Width x Height:	mm (in.)	1140 x 550 x 1060 ( 45 x 22 x 42)	1140 x 550 x 1060 ( 45 x 22 x 42)	700 x 530 x 1350 ( 28 x 21 x 53)	1760 x 550 x 1060 ( 69 x 22 x 42)	990 x 730 x 1510 ( 39 x 29 x 59 )	1290 x 590 x 1650 ( 50 x 23 x 65 )
Weight:	kg (lbs.)	49 (108)	51.8 (114)	69 (152)	67 (148)	116 (256)	135 (298)
Standard suction hose dia- meter:	mm (in.)	51 (2)	38 (1 1/2)	51.0 (2)	51 (2)	51 (2)	51 / 63 / 76 ( 2 / 2 1/2 / 3)
Standard suction hose length:	m (ft.)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)	-
Standard suction hose quality:		PE	PE	PE	PVC	PVC	-
Main filter area:	m <sup>2</sup> (sq. ft.)	0.35 (4)	-	2.38 (26)	2.38 (26)	0.35 (4)	2.38 (26)
Main filter approval category: **		-	-	M	M	-	M
Main filter type:		Bag	-	Cartridge	Cartridge	Bag	Cartridge
Main filter material:		PTFE coated polyester	-	Paper	Paper	PTFE coated polyester	Paper
Main filter cleaning method:		Manual	-	Reverse air jet	Manual	Manual	Reverse air jet
Control filter area:	m <sup>2</sup> (sq. ft.)	-	-	1.56 (17)	-	-	2.38 (26)
Control filter approval category:		-	-	H	-	-	M
Control filter type:		-	-	Cartridge	-	-	Cartridge
Control filter material:		-	-	Microfibre	-	-	Paper
Control filter cleaning method:		-	-	Manual	-	-	Manual

\* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.) \*\* Approval category - EN 60335-2-69.

NOTE: Since Norclean is part of the Nederman Group, all models are now in the blue corporate colour (except stainless steel units). If the earlier Norclean colour (orange) is requested, it will be available for a transitional period of time.

## Bb104 Workshop cleaning



Versatile single container system. Simple, robust and easy to handle. For the collection of dry materials over short distances.

## Bb181 Liquid transportation



Robust system. Pump 500W max. capacity: 8 m<sup>3</sup>/h (4.7 cfm), max. discharge height: 8000 mmWC (315 in w.g.). Efficient suction of liquids and simultaneous transportation into tanks, etc.

## Bb216 Multi purpose suction



High suction capacity, cyclonic pre-separation. Single container system. Double HEPA filter as option. Manual filter cleaning. Larger container as option.

## Bb306 Multi purpose suction



Strong and durable suction equipment. Dual container system for liquid recovery and collection of dust, powder, sand, etc. Three separation/filtration stages. Tippable container.

## Bb515 Liquid & coarse particle suction



High capacity system with bottom drain valve. For forklift handling and easy tipping into container, onto conveying belts and similar.

## Bb680 Multi purpose, fine dust suction



General cleaning, suction from grinding machines, for powder transportation etc. HEPA/Absolute or washable polyester filter as option. Thermal overload as standard.

\* Not available in Canada

Product availability may differ by country

## Air Powered Vacuum Units

		Ab105	Ab115	Ab216	Ab306	Ab405	Ab426	Ab500	Ab510
<b>Part no:</b>		<b>42110500</b>	<b>42111500</b>	<b>42121600</b>	<b>42130600</b>	<b>42140500</b>	<b>42142600</b>	<b>42150000</b>	<b>42151000</b>
Max. vacuum	mmWC (in.w.g.)	2100 (83)	3100 (122)	3100 (122)	3100 (122)	5200 (205)	5200 (205)	5200 (205)	5200 (205)
Max. airflow	Nm <sup>3</sup> /hr (cfm)	306 (180)	342 (201)	342 (201)	342 (201)	342 (201)	342 (201)	342 (201)	342 (201)
Compressed air consumption	Nm <sup>3</sup> /min (cfm)	1.0 (35)	1.6 (57)	1.6 (57)	1.6 (57)	3.0 (106)	3.0 (106)	3.0 (106)	3.0 (106)
Compressed air pressure	bar (psi)	7 (100)	7 (100)	7 (100)	7 (100)	7 (100)	7 (100)	7 (100)	7 (100)
Noise level *	dB(A)	72	74	74	74	76	76	76	76
Container practical volume:	litres (gal.)	40 (11)	40 (11)	47 (12)	40 + 50 (11 + 13)	40 + 58 (11 + 15)	47 + 58 (12 + 15)	160 (42)	160 (42)
Length x Width x Height:	mm (in.)	1140 x 550 x 1200 (45 x 22 x 47)	1140 x 550 x 1200 (45 x 22 x 47)	700 x 530 x 1550 (28 x 21 x 61)	1760 x 550 x 1200 (69 x 22 x 47)	1400 x 730 x 1820 (55 x 29 x 72)	1400 x 730 x 1820 (55 x 29 x 72)	925 x 850 x 1380 (36 x 33 x 54)	925 x 730 x 1640 (39 x 29 x 65)
Weight:	kg (lb.)	50 (110)	51 (112)	69 (152)	69 (152)	119 (262)	119 (262)	72 (159)	103 (226)
Standard suction hose diameter:	mm (in.)	51 (2)	51 (2)	51 (2)	51 (2)	51 (2)	51 (2)	51 (2)	51 (2)
Standard suction hose length:	m (ft.)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)
Main filter area:	m <sup>2</sup> (sq. ft.)	2.38 (26)	0.35 (4)	1.56 (17)	0.35 (4)	2.38 (26)	1.56 (17)	0.60 (7)	0.60 (7)
Main filter approval category:**		M	-	H	M	M	-	-	-
Main filter type:		Cartridge	Bag	Cartridge	Bag	Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	PTFE coated polyester	Microfibre	PTFE coated polyester Paper	Paper	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Manual	Reverse air jet	Manual	Manual	Reverse air jet	Manual	Manual
Standard suction hose quality:		PE	IVC	PE	PVC	PVC	PVC	PVC	PVC

\* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

\*\* Approval category - EN 60335-2-69

## Air Powered Vacuum Units, EX approved



		Ab105Ex	Ab216Ex	Ab426Ex	Ab500Ex	Ab510Ex
<b>Part no:</b>		<b>42210500</b>	<b>42221600</b>	<b>42240500</b>	<b>42250000</b>	<b>42251000</b>
Max. vacuum	mmWC (in.w.g.)	2100 (83)	5200 (205)	5200 (205)	5200 (205)	5200 (205)
Max. airflow	Nm <sup>3</sup> /hr (cfm)	306 (180)	342 (195)	342 (195)	342 (195)	342 (195)
Compressed air consumption	Nm <sup>3</sup> /min (cfm)	1.0 (35)	3.0 (106)	3.0 (106)	3.0 (106)	3.0 (106)
Compressed air pressure	bar (psi)	7 (100)	7 (100)	7 (100)	7 (100)	7 (100)
Noise level *	dB(A)	72	76	76	76	76
Container practical volume:	litres (gallon)	40 (11)	47 (12)	47 (12) + 58 (15)	160 (42)	160 (42)
Length x Width x Height:	mm (in.)	1140 x 550 x 1200 (45 x 22 x 47)	700 x 530 x 1550 (28 x 21 x 61)	700 x 530 x 1550 (28 x 21 x 61)	925 x 730 x 1640 (36 x 29 x 65)	925 x 730 x 1640 (36 x 29 x 65)
Weight:	kg (lb.)	50 (110)	69 (152)	160 (353)	110 (243)	103 (226)
Standard suction hose diameter:	mm (in.)	51 (2)	51 (2)	51 (2)	51 (2)	51 (2)
Standard suction hose length:	m (ft.)	6 (20)	6 (20)	6 (20)	6 (20)	6 (20)
Main filter area:	m <sup>2</sup> (sq. ft.)	2.38 (26)	1.56 (17)	1.56 (17)	0.60 (6 1/2)	0.60 (6 1/2)
Main filter approval category: **		M	H	H	-	-
Main filter type:		Cartridge	Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	Microfibre	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Reverse air jet	Manual	Manual	Manual
Standard suction hose quality:		PE	PE	PVC	PVC	PVC

\* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

\*\* Approval category - EN 60335-2-69

**Ab105/Ab 105 Ex**  
**Dust and granules cleaning**



Simple and robust system with capacity superior to most of the portable electrical vacuums on the market. Disposable dust bag. Can easily be adapted for liquid suction. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

**Ab115**  
**Dust and granules cleaning**



High capacity unit for heavy duty work. For suction and transportation of various nonflammable liquids, as well as metal chips, sand, and other granules. Tippable container.

**Ab216/Ab216 Ex**  
**Multi purpose and fine dust suction**



High capacity system for fine dust. Single container system with HEPA/Absolute filter. Efficient cyclonic pre-separation. Manual filter cleaning. Larger dust container as option. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

**Ab306**  
**Multi purpose and fine dust suction**



Dual container system with pre-separator, for collection of liquids, dust, sand, and other fine granules. Contains three separation/filtration stages that ensure optimum cleaning efficiency. Containers are easily tilted when emptying the materials.

**Ab405**  
**Dry waste suction**



Powerful dual container system. With silo and filter container for removal of industrial waste materials. Easy handling of heavy loads. Can be equipped with an adjustable counterweight valve and holder for discharge into sacks. With slots for forklift handling.

**Ab426/426 Ex**  
**Industrial waste and powders**



Powerful system with dual container system. With silo and cyclonic pre-separation. Manual filter cleaning. Handling of heavy loads especially easy. Adjustable counterweight valve for automatic discharge of waste material. Includes slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

**Ab500/Ab500 Ex**  
**Liquid and coarse particle suction**



Single container system. Transportation of material over a long distance possible. High material collection capacity. Optional bottom drain valve for quick and simple discharge of liquids. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

**Ab510/Ab510 Ex**  
**Liquid and coarse particle suction**



High capacity single container system for collection of coarse particles, as well as liquids and sludge. Allows transportation of material over long distances. Optional bottom drain valve for quick and simple discharge of liquids. Tippable container. With slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Product availability may differ by country