



Atlas Copco



Atlas Copco Vacuum Solutions

Vacuum pumps, systems and
service for industrial applications

Oil-sealed vacuum pump range

GHS 350-5400 VSD⁺

Oil-sealed rotary screw vacuum pump with VSD technology



Model	Pumping speed* at element m ³ /hr	Shaft power kW	Max Vacuum mbar.a
GHS 350 VSD ⁺	72 - 439	5.5	0.3
GHS 585 VSD ⁺	72 - 564	7.5	0.3
GHS 730 VSD ⁺	72 - 754	11	0.3
GHS 900 VSD ⁺	72 - 887	15	0.3
GHS 1300 VSD ⁺	139 - 1273	22	0.3
GHS 1600 VSD ⁺	139 - 1580	30	0.3
GHS 1900 VSD ⁺	139 - 1742	37	0.3
GHS 3800 VSD ⁺	937 - 3822	55	1
GHS 4600 VSD ⁺	937 - 4651	75	1
GHS 5400 VSD ⁺	937 - 5122	90	1

*At operating vacuum level of 100mbar.a
Available in Air-cooled & Water-cooled variants

GHS 1402-2002 VSD⁺

*New-gen oil-sealed rotary screw vacuum pump with HPM** motor and VSD*



Model	Pumping speed* at element m ³ /hr	Shaft power kW	Max Vacuum mbar.a
GHS 1402 VSD ⁺	254 - 1425	22	0.3
GHS 1602 VSD ⁺	254 - 1674	30	0.3
GHS 2002 VSD ⁺	254 - 1900	37	0.3

* At operating vacuum level of 100mbar.a
*High efficiency IE5 Permanent Magnet Motor

GVD 0.7-275

Two stage oil-sealed rotary vane vacuum pumps

Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
GVD 0.7	0.75	0.9	3.0 x 10 ⁻³
GVD 1.5	1.6	0.16	3.0 x 10 ⁻³
GVD 3	3.3	0.45	2.0 x 10 ⁻³
GVD 5	5.1	0.45	2.0 x 10 ⁻³
GVD 8	8.5	0.45	2.0 x 10 ⁻³
GVD 12	12	0.45	2.0 x 10 ⁻³

Oil-free Dry vacuum pump range

DZS Series

Dry SS mono claw vacuum pump



Model	Flow m ³ /h	Shaft power kW	Max Vacuum
DZS 065V	65	1.8	50 mbar.a **
DZS 150V	150	3.7	50 mbar.a **
DZS 300V	300	6.2	140 mbar.a **
Model	Flow m ³ /h	Shaft power kW	Max Pressure
DZS 065P	65	3.7	1.8 bar(g)
DZS 150P	150	11	2.3 bar(g)
DZS 300P	300	19	2.3 bar(g)

V = Vacuum variants, P = Pressure variants
Bare shaft and Oxygen certified variants available

DSS Series

Dry scroll vacuum pump



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
DSS 065	72	1.5	1.5 mbar.a
DSS 100	100	2.2	1.5 mbar.a

GVS 16-630 A

Oil-sealed single stage rotary vane vacuum pump



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
GVS 16A	16	0.55	0.5
GVS 25A	25	0.9	0.5
GVS 40A	44	1.1	0.5
GVS 60A	59	1.5	0.5
GVS 100A	98	2.2	0.5
GVS 150	151	3.3	0.1
GVS 160A	160	3	0.1
GVS 200A	180	4	0.1
GVS 220A	200	4.5	0.1
GVS 300A	280	5.5	0.1
GVS 470A	470	9.2	0.1
GVS 630A	700	15	0.1

GVS VSD⁺ Series

Oil-sealed rotary vane with built-in VSD

HMI on your Smartphone App



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
GVS 80 VSD ⁺	38-74	2.2	0.5
GVS 120 VSD ⁺	62-117	3.7	0.5
GVS 255 VSD ⁺	117-255	7.5	0.1
GVS 400 VSD ⁺	170-381	11	0.1



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
GVD 18	17	0.55	1.0 x 10 ⁻³
GVD 28	27.5	0.75	1.0 x 10 ⁻³
GVD 40	37	1.1	1.0 x 10 ⁻³
GVD 80	74	2.2	1.0 x 10 ⁻³
*GVD 175	160	5.5	1.0 x 10 ⁻³
*GVD 275	255	7.5	1.0 x 10 ⁻³

*Water-cooled

DZS VSD⁺ Series

Dry SS claw vacuum pump with built-in VSD

HMI on your smartphone App



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
DZS 100 VSD ⁺	24-102	3	50**
DZS 200 VSD ⁺	55-185	5.5	50**
DZS 400 VSD ⁺	113-394	11	140**

Connectivity through BlueTooth and ModBUS RTU as standard

DZM VSD⁺ Series

Dry SS multi-claw vacuum pumps with in-built VSD



Model	Flow m ³ /h	Shaft power kW	Max Vacuum mbar.a
DZM 600V VSD ⁺	44-604	1.2-13	150**
DZM 900V VSD ⁺	44-874	1.2-19	150**
DZM 1200V VSD ⁺	44-1143	1.2-25	150**

** Applicable for continuous duty application

DWS VSD+ Series

Dry screw vacuum pump with built-in VSD



Model	Flow m³/h	Peak power kW*	Max Vacuum mbar.a
DWS 450 VSD+ **	100-450	11	0.01
DWS 750 VSD+ **	100-750	22	0.01

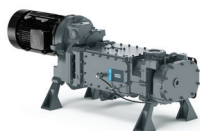
* Peak power at atmospheric pressure level

** Only Water-cooled variants

Booster support brackets available

DWS 200 - 500

Dry screw fixed speed vacuum pump



Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
DWS 200*	210	5.5	< 0.05
DWS 300*	280	7.5	< 0.01
DWS 500**	460	11	< 0.01

* Air-cooled & water-cooled variants

** Only Water-cooled variants

DRB 250-2000 & 1500-3000 VSD+

Dry vacuum booster pumps



Model	Flow m³/h	Shaft power kW	Max Delta P (mbar)
DRB 250	253	1.1	80
DRB 500	505	2.2	80
DRB 1000	1000	4	80
DRB 2000	2050	7.5	80
DRB 1500 VSD+	1500	4	80
DRB 3000 VSD+	3000	7.5	50

Liquid ring vacuum pump range

LRP VSD+ Series

Intelligent liquid ring vacuum pump with VSD technology



SS Impeller + SS shaft + SS water recovery tank + Optional SS Built-in Heat exchanger + VSD Inverter driven main motor + Auto-water top up + Elektronikon™ controller + Anti-seizure and Anti-cavitation protection + In-built NRV + In-Built Spray nozzle for high steam load + Sound reducing enclosure + Optional weather resistant canopy

Model	Flow m³/h		Shaft power kW	Max Vacuum mbar.a
	Dry	Saturated		
LRP 700 VSD+	740	910	18.5	25
LRP 900 VSD+	940	1090	26	25
LRP 1000 VSD+	1050	1140	37	25

Once through and Total recovery options

AWS Series

Single stage liquid ring vacuum pumps



Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
AWS 180	170	5.5	30
AWS 280	250	7.5	30
AWS 360	325	11	30
AWS 450	440	15	30
AWS 600	600	18.5	30
AWS 800	725	22	30
AWS 1100	1100	37	30
AWS 1300	1200	37	30
AWS 1600	1500	45	30
AWS 2500	2460	75	30
AWS 3300	3000	75	30
AWS 5500	5400	132	30

DHS VSD+ Series

Dry screw vacuum pump with built-in VSD



Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
DHS 65 VSD+	65	1.5	1
DHS 100 VSD+	100	2.2	1
DHS 160 VSD+	160	3	1
DHS 200 VSD+	200	4	1

DHS VSD+ Purge and DHS VSD+ Purge oxygen variants available

DHM VSD+ Series

Dry multi-screw vacuum pumps with built-in VSD



Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
DHM 400 VSD+	350	8	0.1
DHM 600 VSD+	525	12	0.1
DHM 800 VSD+	700	16	0.1
DHM 1000 VSD+	875	20	0.1
DHM 1200 VSD+	1050	24	0.1

ZRS 250-4200

Dry vacuum booster pumps



Model	Flow m³/h	Shaft power kW	Max Delta P (mbar)
ZRS 250	310	2.2	180
ZRS 500	505	2.2	110
ZRS 1200*	1195	3	90
ZRS 2600*	2590	11	80
ZRS 4200*	4140	11	60

*Water-cooled variants

AWC A & AWS A Series

Single stage liquid ring vacuum pumps



Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
AWC 25 A	25	0.9	30
AWC 45 A	45	1.9	30
AWC 80 A	80	3	30
AWC 110 A	110	3	30
AWC 140 A	134	3.7	30
AWC 190 A	190	5.6	30
AWC 280 A	279	7.5	30
AWC 350 A	350	11	30
AWS 530 A	528	15	30
AWS 750 A	753	22	30
AWS 980 A	980	30	30
AWS 1400 A	1380	45	30

AWD Series

Two stage liquid ring vacuum pumps

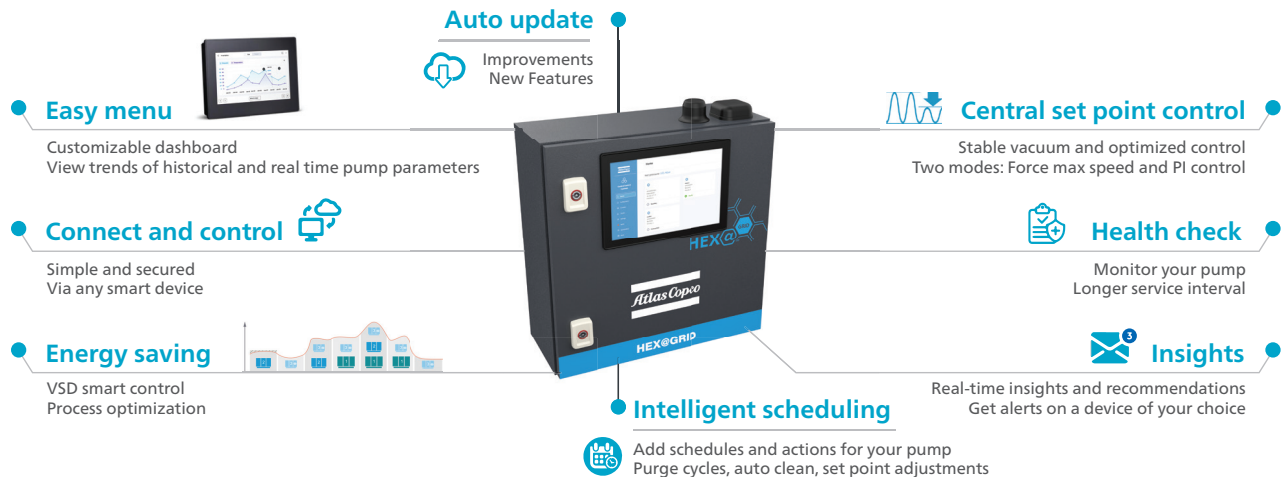


Model	Flow m³/h	Shaft power kW	Max Vacuum mbar.a
AWD 200	195	5.5	30
AWD 400	400	11	30
AWD 610	610	22	30
AWD 1230	1250	45	30
AWD 1680	1685	55	30
AWD 1960	2000	75	30
AWD 3280	3300	110	30
AWD 4510	4500	132	30

Contact us for the built-in VSD variants

HEX@™ and HEX@GRID multi-pump central controller

Next-generation Industry 4.0 vacuum controller with complete connectivity and enhanced control



Vacuum accessories

- Electrical panel with VFD
- Inlet dust removal filter
- Inlet liquid removal filter
- Three stage heavy duty filter
- Oil-mist exhaust filter
- Vacuum receiver tank



Industrial applications we serve

- Printing and Paper handling
- Rubber and Plastic extrusion
- Food preservation and Packaging
- Refrigerator and Air-conditioning
- Printed Circuit Board
- Expanded Polystyrene / Thermocol
- Pasta and Food degassing
- Canning and Glass bottles
- Automotive glass lamination
- Cigarettes/Tobacco
- Pneumatic transportation
- Industrial drying (Food, pharma, leather, Auto parts)
- Wood working and CNC
- Roof top tiles and Solar panels
- Aerospace/Wind turbine
- Pulp & Paper
- Beer and Brewery
- Tire manufacturing
- Dairy and Cheese
- Soap plodder degassing
- Pick & Place: Electronics, Food
- PVC pipe manufacturing
- Engineered quartz stone manufacturing
- Medical and Hospital vacuum



Please contact us if your industry or application is not listed.



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Vacuum
Solutions

Atlas Copco Industrial Vacuum Solutions

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