Liquid ring vacuum pumps

AWL 6000 - AWL 37500





Atlas Copco AWL liquid ring vacuum pumps feature single stage design for outstanding performance and durability at high capacity ranges.

Atlas Copco AWL liquid ring pumps are ideal for pumping dry or wet gasses, with a high tolerance to liquid carryover, especially in condensable processes. The AWL range of pumps offer economical vacuum solutions to processes with high flow requirements at vacuum pressures down to 160 mbar(a).

The series can be customized to your specific requirements. Stainless steel and coating options make these units ideal for filtration, evacuation and evaporation duties in the toughest environments such as mining and minerals, sugar production, timber impregnation, and pulp and paper.

Features and benefits

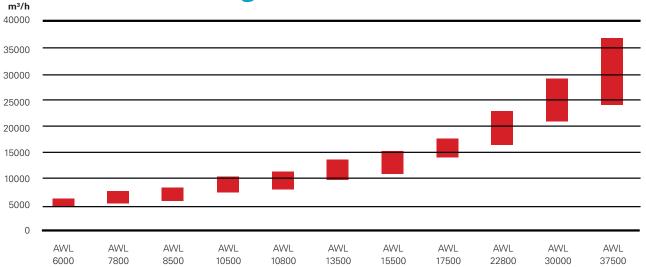
- Simple single stage operation principle
- Flanged center body for strength
- Very high suction capacities
- V-Belt or Gearbox drive options
- Very low maintenance requirement

- Exceptional vapor / humidity handling
- Stable self-regulating performance
- Compact economic installation
- Materials of construction: carbon steel, ductile SG iron, stainless steels, epoxy and ceramic coatings
- High efficiency IE3 motor drives as standard

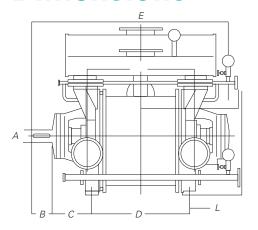
Technical specifications

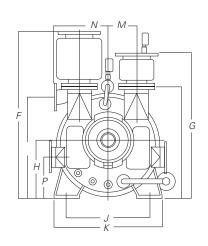
| | AWL 6000 | AWL 7800 | AWL 8500 | AWL 10500 | AWL 10800 | AWL 13500 | AWL 15500 | AWL 17500 | AWL 22800 | AWL 30000 | AWL 37500 |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Process DN | 250 | 300 | 250 | 300 | 350 | 350 | 400 | 400 | 500 | 500 | 500 |
| Nominal rpm | 440 | 372 | 440 | 372 | 372 | 312 | 266 | 266 | 246 | 266 | 236 |
| Nominal capacity (m³/h) | 5400 | 6050 | 6800 | 8350 | 9450 | 11500 | 13500 | 15800 | 21200 | 26000 | 28050 |
| Ultimate pressure (mbar(a)) | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Nominal installed motor (kW) | 90 | 100 | 117 | 133 | 150 | 165 | 190 | 237 | 332 | 425 | 460 |
| Block dimensions (L x W x H) (mm) | 1985 x 1110 x 1570 | 2170 x 1370 x 1865 | 2135 x 1110 x 1570 | 2540 x 1370 x 1865 | 2435 x 1550 x 2160 | 2655 x 1550 x 2160 | 2370 x 1750 x 2560 | 2980 x 1750 x 2565 | 3185 x 2050 x 2965 | 3445 x 2050 x 2965 | 3655 x 2050 x 2965 |
| Dry weight (kg) | 3250 | 4700 | 3600 | 5000 | 6600 | 7100 | 10700 | 11300 | 14700 | 15900 | 17000 |

Performance range



Dimensions





| | AWL 6000 | AWL 7800 | AWL 8500 | AWL 10500 | AWL 10800 | AWL 13500 | AWL 15500 | AWL 17500 | AWL 22800 | AWL30000 | AWL37500 |
|---|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| Α | 120 | 140 | 120 | 140 | 160 | 160 | 180 | 180 | 200 | 200 | 200 |
| В | 165 | 200 | 165 | 200 | 240 | 240 | 240 | 240 | 280 | 280 | 280 |
| С | 335 | 355 | 335 | 355 | 375 | 375 | 400 | 400 | 450 | 450 | 450 |
| D | 1150 | 1110 | 1300 | 1480 | 1450 | 1670 | 1700 | 1950 | 2020 | 2280 | 2490 |
| Е | 1985 | 2170 | 2135 | 2540 | 2435 | 2655 | 2730 | 2980 | 3185 | 3445 | 3661 |
| F | 1570 | 1865 | 1570 | 1865 | 2160 | 2160 | 2560 | 2560 | 2965 | 2965 | 3055 |
| G | 1050 | 1625 | 1050 | 1625 | 1875 | 1875 | 2220 | 2220 | 2560 | 2560 | 2560 |
| Н | 560 | 670 | 560 | 670 | 800 | 800 | 950 | 950 | 1120 | 1120 | 1120 |
| J | 800 | 950 | 800 | 950 | 1120 | 1120 | 1320 | 1320 | 1600 | 1600 | 1600 |
| K | 1110 | 1370 | 1110 | 1370 | 1550 | 1550 | 1750 | 1750 | 2050 | 2050 | 2050 |
| L | 35 | 42 | 35 | 42 | 42 | 48 | 48 | 48 | 48 | 48 | 48 |
| M | 285 | 335 | 285 | 335 | 385 | 385 | 435 | 435 | 490 | 490 | 490 |
| N | 530 | 620 | 530 | 620 | 670 | 670 | 805 | 805 | 860 | 860 | 860 |
| Р | 395 | 475 | 395 | 475 | 560 | 560 | 665 | 665 | 790 | 790 | 790 |

All dimensions in mm.





