

## NEW XDS5 Dry Vacuum Pump



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Rating: Not Rated Yet

**Price:**

Variant price modifier:

Base price with tax:

Price with discount:

Salesprice with discount:

Sales price:

Sales price without tax:

Discount:

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Manufacturer: [Edwards](#)

Description

### NEW XDS5 Dry Vacuum Pump

**COMPLETELY DRY, LUBRICANT-FREE VACUUM PUMP WITH VAPOR HANDLING** Innovative XDS Dry Pumps were designed by BOC Edwards to provide vacuum totally free of lubricants. Bearings are isolated from the vacuum environment by a patented XDS bearing shield. Uniquely, there are no bearings, grease or oil under vacuum and no bearing purge. Controllable gas ballast is standard and makes the XDS suitable for pumping condensable vapors. The versatile XDS uses a scroll mechanism and is manufactured by BOC Edwards, the market leader in dry pumping products and technology.

This pump is portable, air cooled and cost effective. Power consumption is very low and, typically, no other utilities are required. XDS vibration and noise levels make it ideal for laboratory use. The XDS is truly user serviceable; with no oil to change, annual maintenance can typically be completed in about 10 minutes without special tools.

Includes **ONE (1) YEAR WARRANTY**.

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Features & Benefits

- Totally dry, lubricant-free vacuum – No oils or greases of any kind
  - Cleaner, more repeatable processes
  - No bearing or shaft seals, no bearing purges
- Models
  - XDS5 – 6 m<sup>3</sup>h<sup>-1</sup> (3.5 cfm) @60 Hz
- Ultimate 0.07 mbar (0.05torr)
- Ease of maintenance
  - No oil to buy, change or dispose of
  - No re-greasing of bearings
  - No special tools, shims or jigs needed for service
  - Simple supply voltage selection
- 3-position gas ballast selector – Pumps in excess of 200 gh<sup>-1</sup> water

**Specifications**

- Displacement (swept volume)
  - 50 Hz: 3.4 cfm (5.7 m<sup>3</sup>h<sup>-1</sup>) XDS5
  - 60 Hz: 4.0 cfm (6.7 m<sup>3</sup>h<sup>-1</sup>) XDS5
- Pneurop pumping speed
  - 50 Hz: 2.8 cfm (4.8 m<sup>3</sup>h<sup>-1</sup>) XDS5
  - 60 Hz: 3.5 cfm (6.0 m<sup>3</sup>h<sup>-1</sup>) XDS5
- Ultimate vacuum (total pressure): 0.07 mbar (0.05 torr)
- Exhaust connection: DN25NW
- Mass
  - 51 lb (23 kg)
  - 54 lb (24.5 kg)
- Motor Supply Voltage
  - 50 Hz 1 phase: 110V or 220 -240 V
  - 60 Hz 1 phase: 115V – 120 V or 230 – 240 V
  - 50 Hz 3 phase: 200V – 220 V or 380 – 415 V
  - 60 Hz 3 phase: 220V – 230 V or 460 – 0.3 kV
- Power: 0.3 kW
- Inlet connection: DN25NW
- Operating temperature: 50 °F to 140 °F ( 10 °C to 40 °C)
- Storage temperature: -22 °F to 158 °F ( -30 °C to 70 °C)
- Noise level @ ultimate (at 1 metre): 55 dB(A)
- Vibration: <1.5 mms<sup>-1</sup>(rms)
- Leak tightness (static): <7.5 x 10<sup>-7</sup>torr/s (< 10<sup>-6</sup> mbar/s)
- Water vapor handling (GB1 flow): 70 gh<sup>-1</sup>
- Water vapor handling (GB2 flow): >200 gh<sup>-1</sup>