

Features:

- **Compact For Easy Installation** in pumping systems.
- **Low Noise Level:** 55 dbA at 1 m.
- **Air-Cooled** for increased mobility.
- **Easy to Move** with integrated handle.
- **Shock Mounts** for vibration free operation.
- **Light-Weight** for universal applications.

Description

Six Two-stage models are available with pumping speeds from 3.8 to 14.6 cfm. These pumps are recommended for general vacuum applications in industry, research laboratories, and wherever else portability and lightweight, vibration-free operation is essential. Their totally enclosed design provides clean operation and ensures operator safety. These Adixen pumps are widely used on Mass Spectrometers.

Outstanding Pump Features

The distinctive features and performance characteristics of Adixen pumps reflect the stringent parameters which dictate their design and construction. For example, all standard production pumps incorporate hardened steel rotors, positively lubricated and frictionless hydro-dynamic bearings, and stainless steel vane springs and filters. The vanes are made of tough, high density laminated asbestos, specially compounded to resist corrosion and wear. They are spring loaded, and do not rely on centrifugal force for sealing. A patented anti-suckback valve with its integral rubber seal serves as an oil metering device, and prevents oil from being sucked back into the vacuum system should the motor be stopped inadvertently. The effectiveness of the anti-suckback system eliminates the need for expensive electromagnetic safety valves in some applications. All Adixen Pumps carry a one year limited warranty.

Other significant features of Adixenpumps :

- **Direct Drive.** No exposed moving parts or drive belts.
- **Low Vibration Levels.** Meet noise standards required for research laboratories and analytical instrumentation and other delicate measuring systems.
- **Gas Ballasting.** Condensable vapor handling systems are standard on all Adixen pumps.
- **Simplified Maintenance.** Integral oil level indication is provided, and oil drain and fill holes are easily accessible. Internal design is engineered to permit field maintenance and repairs without special tools or equipment.
- **Internal Baffles.** Intake system has filter screen and optically dense aperture. Splash arrestor prevents oil migration during large-volumepumpdowns. Exhaust baffles suppress sound.
- **NW25 Vacuum Connections.** Quick-connect system of fittings provides compatibility with other components, lowers installation costs.
- **The inlet and outlet fittings can be mounted on the side of the pump when working in small areas.**
- **Whatever your vacuum application requirements, Adixen is the intelligent choice.** With an Adixen rotary vacuum pump, you are assured of the superior quality, high reliability, and unmatched performance for which these pumps are so widely known and accepted.

- Adixen pumps are also noted for their smooth, quiet operation, award-winning styling, and compactness features which make them ideally suited to any environment. In fact, they require less than half the bench, cabinet, or floor space required by belt driven pumps having equivalent pumping speeds. They conform to OSHA requirements in that their unique designs eliminate external moving parts thereby ensuring complete operating safety.

Warranty: Parts and labor for one year.

Recommended Replacements

The following lists the various Edwards vacuum pump model numbers and the recommended replacement Adixen model numbers. there may be some slight differences in size and pumping speeds between the Edwards and the Adixen models. See the following page for a complete list of specifications on the Adixen pumps.

Cross Reference

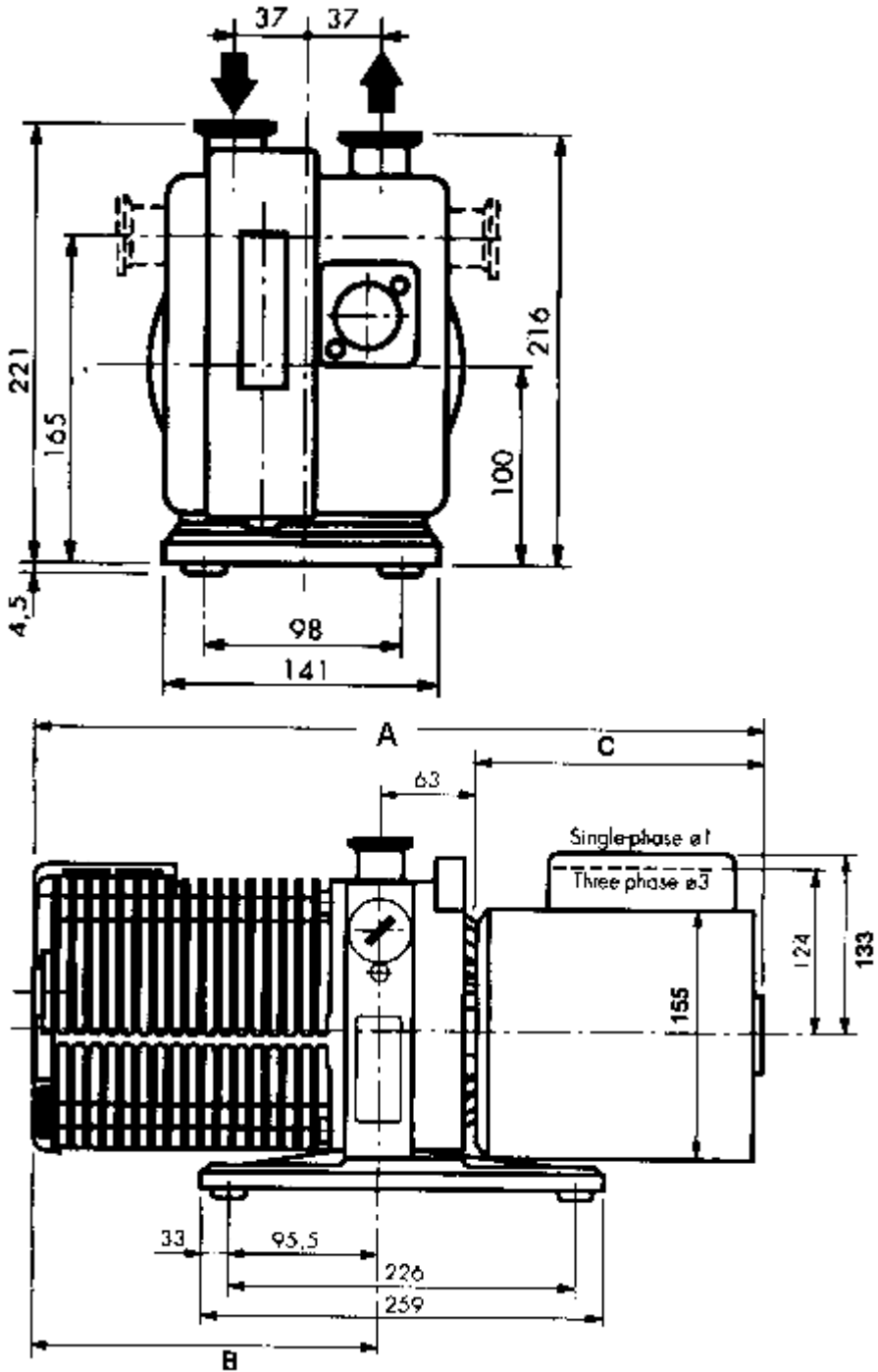
Edwards Model #	Recommended Adixen Model #
E2M1, E2M2,	
E1M5, E2M5	205SDMLAM
E1M8, E2M8	210SDMLAM
E2M12	215SDMLAM
E1M18, E2M18	221SDMLAM

Specifications

Pump Model	<u>205SDMLAM</u>	<u>210SDMLAM</u>	<u>215SDMLAM</u>	<u>221SDMLAM</u>
Free air cfm	3.8	6.8	10.6	14.6
displacement l/mn	108	193	300	414
Stages	2	2	2	2
Ultimate vacuum mbar	<1.10 ⁻⁴	<1.10 ⁻⁴	<1.10 ⁻⁴	<1.10 ⁻⁴
Water vapor capacity grams/hr	110	100	100	75
Oil capacity liter	.825	.95	.95	.98
Motor rating hp	1/2	1/2	3/4	3/4
Rotational speed rpm	1800	1800	1800	1800
Electrical rating 1 phase 3 phase	115-230 V/60 Hz*** 230-460 V/60Hz***			
Inlet/ Exhaust flanges (Pneuop) NW	25	25	25	25
Weight lbs kg	51 23	55 25.2	67 30.3	67 30.3
Repair Kits				
Major repair kit	65885	65883	65882	65881
Minor repair kit	65874	65874	65874	65874
Dimensions (mm) 60Hz				
A Overall Length	497	517	558	579

B	184	204	225	246
C	250	250	270	270
Dimensions (inch) 60 Hz				
A Overall Length	19.6	20.4	22.0	22.8
B	7.24	8.03	8.86	9.69
C	9.84	9.84	10.63	10.63

Drawings



Accessory Supplies

- Pump Oils
- Maintenance Kits - Adixen
- Temperature Indicators
- Rollerflex Vacuum Hose
- Wire Reinforced Vacuum Hose
- Filters
- Traps
 - Assimilation
 - Coaxial
 - Molecular Sieve
- Exhaust Filters

--Adixen has replaced Alcatel--