

VACUUM PUMPS

PLATINUM[®]

WARRANTY 24 MONTHS OTC	100% FIELD REPAIRABLE	15 MICRONS VACUUM RATING	2-STAGE DIRECT DRIVE	100% FACTORY TESTED
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THE BEST VACUUM PUMP IN THE INDUSTRY



American pride and expertise backed by an unprecedented 24 month over-the-counter warranty. Subjected to rigorous performance standards and testing, the Platinum[®] series is the top of the line for both quality and durability. Platinum[®] vacuum pumps feature a gas ballast and blank-off valve.

FEATURES

- 1/2 HP Capacitor start
 - 1/4", 3/8" and 1/2" Intake tee
 - Ergonomic 1/2" break resistant exhaust handle with lift ring
 - Blank-off/Isolation valve for testing system leaks
 - Gas ballast keeps oil cleaner to extend pump life
 - All metal construction, brass fittings and stainless steel valving
 - 2-Stage direct drive to achieve deep vacuum
 - Tethered safety cap prevents oil spills
 - O-Ring sealed drain valve prevents leaks
 - Thermal overload protection
 - Low profile rocker power switch
 - Aluminum fins for superior heat dissipation
 - Check valve prevents oil back flow during power failure
 - Pair with Velocity VL-100 for faster evacuation
- Available in 115v and 230v



Completely field repairable, the Platinum[®] series is designed to last. See page 92 for a complete list of repair parts. Subject to warranty as set forth on page 90.

To check vacuum accurately, use the DV-40 SUPERNOVA, DV-40S or the DV-22N. Operating instructions available online.



SPARK-PROOF MOTOR

New Spark-Proof Motor has the same features as our other pumps with the addition of spark-free, dual-voltage operation.

For use with A2L refrigerant gases such as R32 and 1234YF.

Part No. DV-200N-250SP



PLATINUM® Pump Assembly

PLATINUM® PUMPS					
	DV-42N	DV-85N	DV-142N	DV-200N/ DV-200N-250SP	DV-285N
CFM	1.5 CFM (42 l/m)	3 CFM (85 l/m)	5 CFM (142 l/m)	7 CFM (200 l/m)	10 CFM (285 l/m)
MOTOR	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM
VOLTAGE	115v, 60Hz	115v, 60Hz	115v, 60Hz	115v, 60Hz	115v, 60Hz
PLUG	US 110v	US 110v	US 110v	US 110v	US 110v
INTAKE PORT	1/4"	1/4" x 3/8"	1/2" x 1/4" x 3/8"	1/2" x 1/4" x 3/8"	1/2" x 1/4" x 3/8"
OIL CAP	26 oz (798 cc)	26 oz (798 cc)	21 oz (680)	21 oz (680)	26 oz (798 cc)
SHIP DIMENSIONS	17-5/8" h 9-1/8" w 14" l	17-5/8" h 9-1/8" w 14" l	17-5/8" h 9-1/8" w 14" l	17-5/8" h 9-1/8" w 14" l	17-5/8" h 9-1/8" w 14" l
WEIGHT	29 lbs (13.2 kg)	30 lbs (13.6 kg)	32 lbs (14.5 kg)	32 lbs (14.5 kg)	34 lbs (15.4 kg)
EUROPEAN					-250EU
	DV-42N-250EU	DV-85N-250EU	DV-142N-250EU	DV-200N-250EU	DV-285N-250EU
MOTOR	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM
VOLTAGE	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz
PLUG	European	European	European	European	European
DUAL VOLTAGE					-250
	DV-42N-250	DV-85N-250	DV-142N-250	DV-200N-250	DV-285N-250
MOTOR	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM
VOLTAGE	115v, 60Hz and 230v/50Hz	115v, 60Hz and 230v/50Hz	115v, 60Hz and 230v/50Hz	115v, 60Hz and 230v/50Hz	115v, 60Hz and 230v/50Hz
PLUG	US 220v	US 220v	US 220v	US 220v	US 220v
UNITED KINGDOM					-250UK
	DV-42N-250UK	DV-85N-250UK	DV-142N-250UK	DV-200N-250UK	DV-285N-250UK
MOTOR	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM
VOLTAGE	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz
PLUG	UK	UK	UK	UK	UK

VACUUM PUMPS

ELIMINATOR®

WARRANTY 24 MONTHS OTC	100% FIELD REPAIRABLE	25 MICRONS VACUUM RATING	2-STAGE DIRECT DRIVE	100% FACTORY TESTED
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THE BEST AMERICAN MADE ECONOMY PUMP



Backed by an unprecedented 24 month over-the-counter warranty. Built for the air conditioning serviceman who wants a high quality, dependable vacuum pump, the Eliminator® series offers many higher end features with an affordable price. American made and 100% tested to JB's stringent quality standards, the Eliminator® is the best economy vacuum pump in the industry.

FEATURES

- 1/2 HP Capacitor start
- 1/4" and 3/8" Intake tee
- Ergonomic 1/2" break resistant exhaust handle
- Large, easy to see oil level sight glass
- 2-Stage direct drive to achieve deep vacuum
- Oil fill located on cover for easy access
- Intake tee spaced away from handle for easy access
- Tethered safety cap prevents oil spills
- Well protected o-ring sealed drain valve prevents leaks
- All metal construction, brass fittings and stainless steel valving
- Increased oil capacity for cooler running temperature and reduced contamination
- Pair with Velocity VL-100 for faster evacuation
- Available in 115v and 230v



Completely field repairable, the Platinum® series is designed to last. See page 94 for a complete list of repair parts. Subject to warranty as set forth on page 90.

To check vacuum accurately, use the DV-40 SUPERNOVA, DV-40S or the DV-22N. Operating instructions available online.



VACUUM PUMPS

CHOOSING CFM

CFM² = Maximum Tonnage Rating. Take the CFM rating of a pump and multiply it by that number to find the maximum number of tons the pump is rated for:

3 CFM pump (3 x 3) is rated for 9 tons

7 CFM pump (7 x 7) is rated for 49 tons

Depending on the system line sizes of large tonnage systems, it is better to put two or more smaller, easily maneuverable pumps at different locations. This will overcome some of the pressure drop problems and evacuate faster than a single, large pump. Pumps in the 1.5 to 10 CFM class are adequate to handle 99% of the work.

JB pumps are built to last. To learn how to properly care for your pump, visit us online at www.jbind.com.



HOW TO MEASURE EVACUATION

A micron is a unit of pressure starting from a perfect vacuum (no pressure) expressed in linear increments. One inch equals 25,400 microns. The last inch of pressure below zero on the low side compound gauge is 25,400 microns.

A compound gauge only indicates that a vacuum is being produced, but does not tell you if moisture or contaminants are still in the system. Evacuation is complete when the last inch of pressure as indicated on the gauge is 25,400 microns. A system holds 500 microns to ensure dehydration is complete.

Therefore, there is a small fraction of an inch difference between a complete evacuation and an inadequately evacuated system. A compound gauge cannot measure this pressure at these levels accurately.

Only a micron gauge like the Supernova™ DV-40S or our DV-22N can accurately read the low pressures produced when evacuation/dehydration is complete.



DV-40S
Wireless Digital Micron Gauge

ELIMINATOR® PUMPS			
	DV-3E	DV-4E	DV-6E
CFM	3 CFM (85 l/m)	4 CFM (113 l/m)	6 CFM (170 l/m)
MOTOR	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM	1/2 HP, 1725 RPM
VOLTAGE	115v, 60Hz	115v, 60Hz	115v, 60Hz
PLUG	US 110v	US 110v	US 110v
INTAKE PORT	1/4" x 3/8"	1/4" x 3/8"	1/4" x 3/8"
OIL CAP	28 oz (828 cc)	25 oz (739 cc)	25 oz (739 cc)
SHIP DIMENSIONS	17-5/8" h x 9-1/8" w x 14" l	17-5/8" h x 9-1/8" w x 14" l	17-5/8" h x 9-1/8" w x 14" l
WEIGHT	29 lbs (13.2 kg)	30 lbs (13.6 kg)	30 lbs (13.6 kg)
DUAL VOLTAGE			-250
	DV-3E-250	DV-4E-250	DV-6E-250
MOTOR	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM	1/2 HP, 1725 (1425) RPM
VOLTAGE	US 110v	US 110v	US 110v
PLUG	1/4" x 3/8"	1/4" x 3/8"	1/4" x 3/8"
EUROPEAN			-250EU
	DV-3E-250EU	DV-4E-250EU	DV-6E-250EU
MOTOR	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM
VOLTAGE	230v/50Hz	230v/50Hz	230v/50Hz
PLUG	European	European	European
UNITED KINGDOM			-250UK
	DV-3E-250UK	DV-4E-250UK	DV-6E-250UK
MOTOR	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM	1/2 HP, 1425 RPM
VOLTAGE	230v/50Hz	230v/50Hz	230v/50Hz
PLUG	UK	UK	UK