NEW

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

CHOOSING CFM

CFM[2] = 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 x14" 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