

Platinum™ Series Vacuum Pumps

SPECIFICATIONS

DV-42N through
DV-285N



DV-42N-250 through
DV-285N-250



PART NO.	MOTOR	FREE AIR DISPLACEMENT (Liters Per Minute)	INTAKE PORTS (Male Flare)	OIL CAPACITY†	SHIPPING WEIGHT
DV-42N	1/2 HP, 115 volt, 60 HZ, 1725 RPM	1.5 CFM (42 l/m)	1/4"	30 oz. (865 cc)	29 Lbs.
DV-85N	1/2 HP, 115 volt, 60 HZ, 1725 RPM	3 CFM (85 l/m)	1/4" x 3/8"	27 oz. (785 cc)	30 Lbs.
DV-142N	1/2 HP, 115 volt, 60 HZ, 1725 RPM	5 CFM (142 l/m)	3/8" x 1/4" x 3/8"	23 oz. (660 cc)	32 Lbs.
DV-200N	1/2 HP, 115 volt, 60 HZ, 1725 RPM	7 CFM (200 l/m)	3/8" x 1/4" x 3/8"	23 oz. (660 cc)	32 Lbs.
DV-285N	1/2 HP, 115 volt, 60 HZ, 1725 RPM	10 CFM (285 l/m)	3/8" x 1/4" x 3/8"	24 oz. (705 cc)	36 Lbs.
DV-42N-250	1/2 HP, 115/230 volt, 1425/1725 RPM	50 HZ-1.25 CFM (35 l/m) 60 HZ-1.5 CFM (42 l/m)	1/4"	30 oz. (865 cc)	30 Lbs.
DV-85N-250	1/2 HP, 115/230 volt, 1425/1725 RPM	50 HZ-2.5 CFM (71 l/m) 60 HZ-3 CFM (85 l/m)	1/4" x 3/8"	27 oz. (785 cc)	31 Lbs.
DV-142N-250	1/2 HP, 115/230 volt, 1425/1725 RPM	50 HZ-4.2 CFM (119 l/m) 60 HZ-5 CFM (142 l/m)	3/8" x 1/4" x 3/8"	23 oz. (660 cc)	33 Lbs.
DV-200N-250	1/2 HP, 115/230 volt, 1425/1725 RPM	50 HZ-5.8 CFM (167 l/m) 60 HZ-7 CFM (200 l/m)	3/8" x 1/4" x 3/8"	23 oz. (660 cc)	33 Lbs.
DV-285N-250	1/2 HP, 115/230 volt, 1425/1725 RPM	50 HZ-8.3 CFM (237 l/m) 60 HZ-10 CFM (285 l/m)	3/8" x 1/4" x 3/8"	24 oz. (705 cc)	37 Lbs.

Shipping Container Dimensions: 17-5/8" H x 9-1/8" W x 14" L

Operating Temp.: 150°F±18°F (60°C±10°C)

†Top of OIL LEVEL line while pump is running.



Choosing The Right Size Pump

As a rule of thumb, the CFM rating squared equals the maximum system tonnage. A 7 CFM pump is rated for 49 tons; 3 CFM pump is rated for 9 tons.

In many cases, depending on the system line sizes of large tonnage systems, it is better to put two or more of the small, easily handled pumps at different locations. This will overcome some of the pressure drop problems and actually be faster than a single large pump. Pumps in the 1-1/2 to 10 CFM class are adequate to handle 99% of the work.

MSDS Sheet available
under "Technical
Information" at
www.jbind.com.



PREMIUM Vacuum Pump Oil

JB offers industrial ISO 460 non-detergent based Vacuum Pump Oil. It is highly refined using a 3 Step hydroprocess method which ensures a cleaner operating environment to allow the deepest vacuum possible.

Sold In Carton Quantities Only

PART NO.	DESCRIPTION	CTN. QTY.	SIZE	WEIGHT (lbs.)
DVO-1	Pint Bottle	24	9" H x 14.25 L x 12.5" W	25
DVO-12	Quart Bottle	12	11" H x 13" L x 10" W	24
DVO-24	Gallon Bottle	6	12.5" H x 15.5" L x 12.25" W	47