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Oilless Diaphragm Unit *to 1.9 cfm*

DOA/DOL Series



AC Model



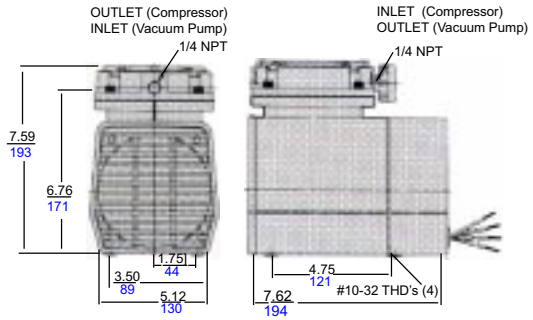
DC Model

Performance at 60 Hz unless otherwise noted

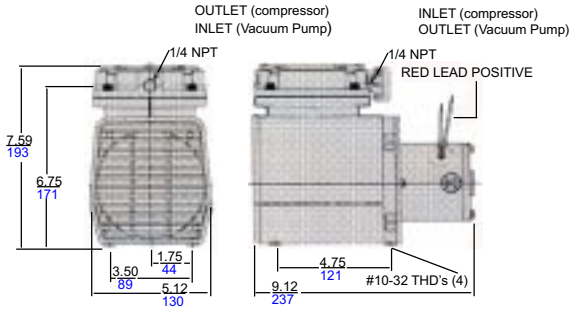
MOTOR/SERIES	MAXIMUM PRESSURE (PSI)	MAXIMUM VACUUM (IN. HG)	MAXIMUM OPEN FLOW (CFM)
Shaded Pole / PSC 4 Pole	60	25.5	1.1
PSC 2 Pole	60	25.5	1.9
Low Speed DC (Brush Type)	60	25.5	1.3
High Speed DC (Brush Type)	60	25.5	1.9

Product Dimensions (mm) (Inches)

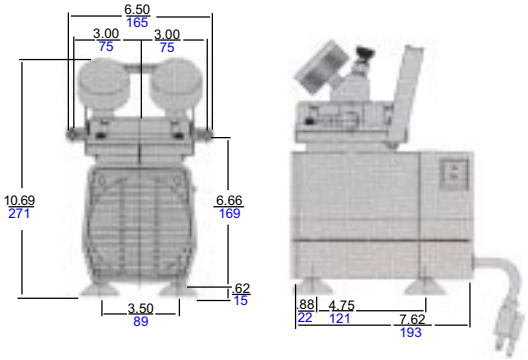
AC Models (PSC and Shaded Pole Motors)



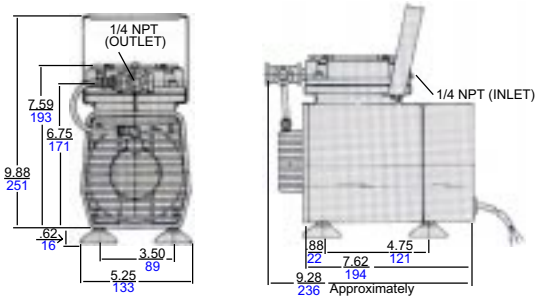
DC Models



Lab Models (DOA-P104-AA, DOA-P104-BN)



Unloader Valve Model (Pressure Only)



PRODUCT FEATURES

- Oilless Operation
- Motor Mounted
- Rugged construction / low maintenance

INCLUDES

- Muffler AH190A for vacuum
- Capacitor AF873A ('DB' and 'DD' motor), AF485 ('FB' motor), AF876 ('FD' motor), Reference Product Specifications table for models with attached capacitors.

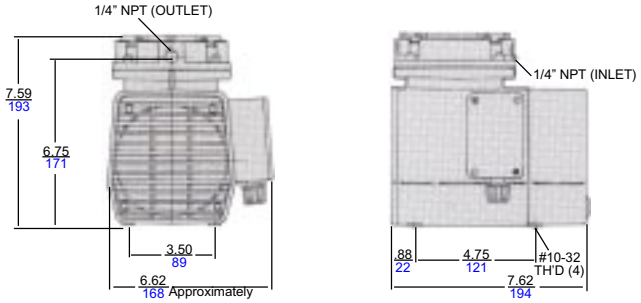
Lab Models
- Gauges - Vacuum AE136, Pressure AA806
- Hose barbs - AG613
- Regulators - Vacuum AA550C-V, Pressure AF887
- Carrying handle - AF870
- Rubber feet - AF584A

DOL Series
- Cord and hospital grade plug
- Carrying handle - AF870
- Mounted on/off switch
- Rubber feet - AF584A

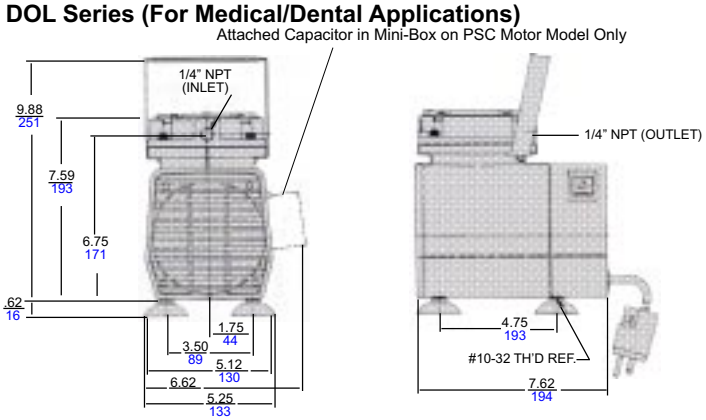
RECOMMENDED ACCESSORIES

- Pressure gauge AF583 / Vacuum gauge AA640 (except lab models)
- Pressure relief valve AF887 / Vacuum relief valve AA550C-V (except lab models)
- (4) Rubber feet AF584A (except lab models, unloader models, DOL Series)
- Repair Kit K294A
- Repair Kit K294K (lab models only)

VDE Listed Model DOA-P156-BN (Pressure Only)



DOL Series (For Medical/Dental Applications)



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Product Specifications

Note: "P" models are pressure, "V" models are vacuum; P104 (lab models) are set up for vacuum or pressure

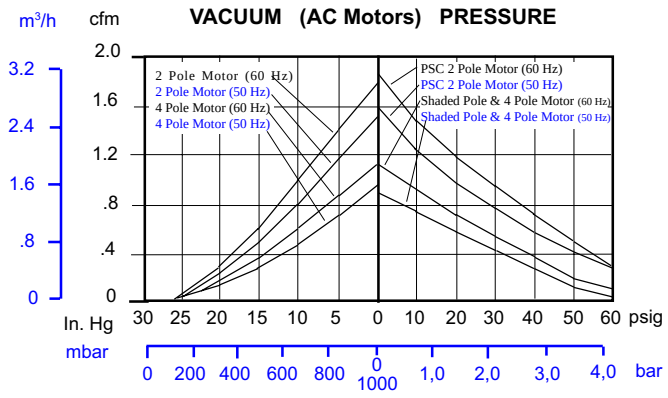
Model Number	Motor	Motor Type	RPM 60 cycle	RPM 50 cycle	HP	kW	Net Wt. lbs.	Net Wt. kg
*DOA-P101-AA	115-60-1	Shaded Pole	1575	-	1/8	0,09	14.5	6,6
DOA-P104-AA	115-60-1	Shaded Pole	1575	-	1/8	0,09	16.0	7,3
DOA-P104-BN	220/240-50-1	Shaded Pole	-	1275	1/8	0,09	16.0	7,3
**DOA-P115-AA	115-60-1	Shaded Pole	1575	-	1/8	0,09	16	6,6
*DOA-P101-AC	230-60-1	Shaded Pole	1575	-	1/8	0,09	14.5	6,6
***DOA-P101-AE	110-50-1	Shaded Pole	-	1275	1/8	0,09	14.5	6,6
***DOA-P101-BN	220/240-50-1	Shaded Pole	-	1275	1/8	0,09	14.5	6,6
††DOA-P151-BN	220/240-50-1	Shaded Pole	-	1275	1/8	0,09	16	7,3
†††DOA-P156-BN	220/240-50-1	Shaded Pole	-	1275	1/8	0,09	14.5	6,6
***DOA-P101-BL	110-50/60-1	Shaded Pole	1575	1275	1/8	0,09	14.5	6,6
DOA-P108-DB	115/110-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.5	6,6
DOA-P108-DD	230/220-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.5	6,6
◆DOA-P110-DD	230/220-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.5	6,6
DOA-P101-FB	115/110-60/50-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
◆◆◆DOA-P109-FB	115/110-60/50-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
DOA-P108-FD	220/230-50/60-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
◆◆DOA-P109-FD	220/230-50/60-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
DOA-P101-JH	12Volt	DC	2100		1/8	0,09	13.0	5,9
DOA-P101-KH	12Volt	DC	3200		1/6	0,12	13.0	5,9
DOA-P101-JK	24 Volt	DC	2100		1/8	0,09	13.0	5,9
*DOA-V191-AA	115-60-1	Shaded Pole	1575	-	1/8	0,09	14.5	6,6
*DOA-V113-AC	230-60-1	Shaded Pole	1575	-	1/8	0,09	14.5	6,6
***DOA-V111-AE	110-50-1	Shaded Pole	-	1275	1/8	0,09	14.5	6,6
***DOA-V112-BN	220/240-50-1	Shaded Pole	-	1275	1/8	0,09	14.5	6,6
DOA-V113-DB	115/110-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.5	6,6
DOA-V119-DD	230/220-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.5	6,6
DOA-V112-FB	110/115-50/60-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
DOA-V114-FD	220/230-50/60-1	PSC (2 Pole)	3000	2500	1/3	0,25	14.5	6,6
DOA-V111-JH	12Volt	DC	2100		1/8	0.09	13.0	5,9
DOA-V111-KH	12Volt	DC.	3200		1/6	0,12	13.0	5,9
DOA-V111-JK	24 Volt	DC	2100		1/8	0,09	13.0	5,9
◆◆◆◆DOL-101-AA	115-60-1	Shaded Pole	1575	-	1/8	0,09	14.8	6,7
◆◆◆◆DOL-101-DB	115/110-60/50-1	PSC (4 Pole)	1575	1275	1/8	0,09	14.8	6,7

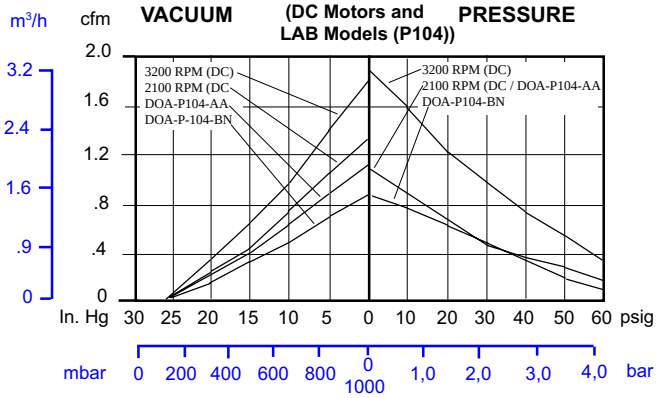
*Includes cord and plug.
**Unloader model, includes cord and plug (no rubber feet or handle)
***Includes cord but no plug.

††Unloader model, with cord (no plug), intake filter, pressure regulator, handle, rubber feet
†††VDE listed model
◆Capacitor mounted in minibox (add 1.54 (39,1) to width), pigtail wires (European color-coded), no plug.

◆◆Capacitor mounted in mini-box (add 1.54" (39,1) to width), two meter cord (European color-coded), no plug.
◆◆◆Capacitor mounted in minibox (add 1.54" (39,1) to width), cord and plug.
◆◆◆◆Medical/dental units - mounted switch, rubber feet, handle, cord and hospital grade plug

Product Performance (Metric, U.S.)





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