

Standard Duty Dry Vacuum Pumps | WOB-L Piston



Model
2511

Models
2522 / 2534

Model
2546

Models
2567 / 2561



Specifications

Vacuum/Pressure Pumps

Model	2511	2522	2534	2546	2561
Free Air Displacement cfm (l/min.)@60Hz	0.39 (11)	0.76 (22)	1.2 (34)	1.6 (45)	2.3 (65)
m ³ /hr (l/min.)@50Hz	0.55 (9.2)	1.1 (18)	1.7 (28)	2.3 (38)	3.4 (57)
Ult. Vac. Pressure, torr(mbar)	219 (292)	100 (133)	70 (93)	60 (80)	5 (6.7)
Max Pressure PSIG (pascal)	33 (3.3 x 10 ⁵)	100 (106)	50 (5 x 10 ⁵)	100 (106)	---
Maximum Vacuum, in. Hg	21.3	26	27.2	27.6	29.8
Motor Horsepower (watts)	1/30 (25)	1/8 (93)	1/8 (93)	1/4 (190)	1/3 (250)
Tubing Needed, I.D. in. (mm)	3/16 (5)	3/16 (5)	3/16 (5)	3/16 (5)	1/4 (7)
Intake/Exhaust Thread NPT	3/16 in. Hose	1/4	1/4	1/4	1/4
Weight lbs.(kg)	5 (2.3)	11.7 (5.3)	11.7 (5.3)	13.8 (6.3)	16.5 (7.5)
Overall Dimensions L x W x H in. (cm)	7.6x4.5x7.5 (19x11x19)	8.1x8.8x10 (21x22x25)	8.1x8.8x10 (21x22x25)	10x7.5x9 (25x19x8)	17.3x6.5x10.5 (44x17x27)
Ship Weight, lbs. (kg)	6 (2.7)	17 (7.7)	17 (7.7)	17 (7.7)	24 (10.9)
Shipping Carton Dimensions L x W x H in. (cm)	11x7x8.3 (28x18x21)	15.3x12.3x12.7 (39x31x32)	15.3x12.3x12.7 (39x31x32)	15.3x12.3x12.7 (39x31x32)	21x12x15 (53x30x38)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. American 115V Plug	2511B-01 ³	2522B-01 ⁴	2534B-01 ⁴	2546B-01 ⁴	2561B-50
Wired for 230V, 60Hz, 1 Ph with N. American 230V Plug	---	---	2534C-01 ^{4,7}	2546C-01 ^{4,7}	---
Wired for 230V, 50Hz, 1 Ph2. with Cont. Euro.(Schuko) Plug	2511C-02 ³	2522C-02 ^{4,6}	2534C-02 ^{4,6,7}	2546C-02 ^{4,6,7}	2561C-50 ^{6,7,8}
Wired for 100V, 50/60Hz, 1 Ph with a plug	2511C-05 ^{3,5}	2522C-05 ^{4,5}	---	---	---

Applications

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Vacuum/Pressure Standard Duty Dry Vacuum Pumps

- Ultimate to <5 torr (6.7 mbar)
- Lightweight, compact pump
- Inlet liquid trap with vacuum regulator

Oil-free operation for reduced maintenance. These WOB-L piston pumps have a high water vapor tolerance. Pumps come with inlet liquid trap, mounted vacuum gauge and vacuum regulator (except 2511 and 2562).

Note: Standard Duty Dry Pumps are not recommended for pumping organic, acidic or basic vapors.



Model
2585B-50

Standard Duty Dry Vacuum Pumps | WOB-L Piston



**Model
2562B-01**



**Models
2585 / 2581**



**Model
2511B-75**



**Model
2515B-75**

Standard Duty Vacuum Pumps				Aspiration/Filtration Systems	
2562	2567	2581	2585	2511	2515
2.3 (65)	3.5 (100)	3.5 (100)	7.1 (201)	0.39 (11)	1.2 (34)
3.4 (57)	4.9 (83)	4.9 (83)	10 (168)	0.55 (9.2)	1.7 (28)
7.5 (10)	60 (80)	5 (6.7)	60 (80)	219 (292)	70 (93)
---	---	---	---	33 (3.3 x 105)	---
29.6	27.6	29.8	27.6	21.3	27.2
1/3 (250)	1/3 (250)	1/3 (250)	1/3 (250)	1/30 (25)	1/8 (93)
3/8 (10)	1/4 (7)	1/4 (7)	1/4 (7)	3/16 (5)	3/16 (5)
1/4	1/4	3/8	3/8	3/16 in. Hose	1/4
16.5 (7.5)	16.5 (7.5)	24.5 (11.1)	24.5 (11.1)	5.7 (2.6)	13.2 (6.0)
17.0x7.5x12 (43x19x31)	15.0x10x10 (38x25x25)	17x7.5x12 (43x42x19)	17x7.5x12 (43x42x19)	11.0x8.3x10.0 (28x21x25)	14.8x8.3x10.0 (37.5x21x25.5)
24 (10.9)	24 (10.9)	32 (14.5)	32 (14.5)	11.0 (5)	14.8 (6.7)
21.5x12.5x16 (55x32x31)	21x12x15 (53x30x38)	21x12x15 (53x30x38)	21x12x15 (53x30x38)	15.3x12.3x12.7 (39x31x32)	21x12x15 (53x30x38)
2562B-01	2567B-50	2581B-50	2585B-50	2511B-75	2515B-75
---	---	---	---	---	---
---	2567C-50 ^{6, 7, 8}	2581C-50 ^{6, 7, 8}	2585C-50 ^{6, 7, 8}	2511C-75 ^{6, 7, 8}	2515C-75 ^{6, 7}
---	---	---	---	2511C-76 ⁵	2515C-76

Notes:

- All models are recommended for pumping vapors of aqueous solutions including buffers, but not for acidic, basic or organic vapors or gases.
- Units supplied with CE marking.
- Model 2511 can deliver 33 PSIG (3.3 x 10⁵ pascal).
- Models 2522, 2534 and 2546 come with vacuum (and pressure) regulator, vacuum (and pressure) gauge, silencer and water trap. Models 2522 and 2546 can deliver 100 PSIG (10⁶ pascal). Model 2534 can deliver 50 PSIG (5 x 10⁵ pascal).
- Comes with PSE mark.
- Included is UK and Schuko cord sets.
- Motor can operate at 230V, 50/60Hz, 1Ph.
- For 230V in US, order cord 61-8707.

Aspiration / Filtration Systems

Systems collect waste into 1.2 Liter autoclavable reservoir. Both models enable vacuum measurement and regulation. Reservoirs are protected from overflow by float valve; inlet line hydrophobic filter further protects pump. Includes 6 ft. tubing and 2 filters. See p. 10 for more information. For accessories, like pipettor system and foot switches, see page 78.



**Model
2511B-75**



**Model
2515B-75**

For a Complete System

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• Hose	67
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• Service Kits	80 - 81
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**Models
2562/2563
/2567**

**Models
2580 / 2585**

**Model
2581**

**Model
2595**

Specifications

Vacuum/Pressure Pumps

Model	2562	2563	2567	2580	2581	2585	2595
Free Air Displacement							
cfm (l/min.)@60Hz	2.3(65)	2.3(65)	3.5(100)	3.5(99)	3.5(100)	7.1(201)	10.6(300)
m ³ /hr (l/min.)@50Hz	3.4(57)	3.4(57)	4.9(83)	4.9(83)	5.0(83)	10(168)	15(250)
Ult. Vac. Pressure, torr(mbar)	9(12)	5(6.7)	60(80)	9(12)	4(5)	60(80)	60(80)
Maximum Vacuum, in. Hg	29.6	29.6	27.6	29.6	29.8	27.6	27.6
Mechanism	Piston	Piston	Piston	Piston	Piston	Piston	Piston
Type of Duty	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Motor Horsepower(watts)	1/3(250)	1/3(250)	1/3(250)	1/3(250)	1/3(250)	1/3(250)	1/3(250)
Tubing Needed, I.D. in.(mm)	1/4(7)	1/4(7)	1/4(7)	3/8(10)	3/8(10)	3/8(10)	5/8(16)
Inlet Connection	----	NW 16 ¹	----	----	NW 25 ²	----	----
Intake/Exhaust Thread NPT	1/4	1/4	1/4	3/8	3/8	3/8	1/2
Weight lbs.(kg)	16.5(7.5)	16.5(7.5)	16.5(7.5)	22.5(10.3)	22.5(10.3)	22.5(10.3)	22.5(10.3)
Overall Dimensions L x W x H in.(cm)	11.7x7.2x9.5 (30x18x24)	11.7x7.2x9.5 (30x18x24)	11.7x7.2x9.5 (30x18x24)	13.3x7.8x11.7 (34x20x30)	13.3x7.8x11.7 (34x20x30)	13.3x7.8x11.7 (34x20x30)	13.3x7.8x12.8 (34x20x33)
Ship Weight, lbs.(kg)	18(8.2)	18(8.2)	18(8.2)	28(12.7)	28(12.7)	28(12.7)	28(12.7)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. American 115V Plug	2562B-01	2563B-24	2567B-01	2580B-01	2581B-24	2585B-01	2595B-01
Wired for 230V, 50Hz, 1 Ph with IEC connection	2562C-02	2563C-24	2567C-02	2580C-02	2581C-24	2585C-02	2595C-02

Notes:

1. Dual inlet flange ISO NW16 with 1/4 in.(7mm) hose barb supplied which will thread into NW16.
2. Dual inlet flange ISO NW25 with 1/4 in.(7mm) hose barb supplied which will thread into NW25.

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- Ultimate to 4 torr (5 mbar)
- Lightweight, compact pump

Oil-free operation for reduced maintenance. These WOB-L piston pumps have a high water vapor tolerance.

Note: Standard Duty Dry Pumps are not recommended for pumping organic, acidic or basic vapors.



**Model
2580B-01**