

# Dayton Wet/Dry Vacuum Selection Guide

## STEP 1: DETERMINE PRIMARY APPLICATION

Dayton offers vacuums for wet/dry, dry only, and special applications. How frequently will the vacuum be used? What type(s) of substance will the vacuum be picking up?

## STEP 2: CONSIDER MOTOR TYPE (BYPASS MOTORS ARE REQUIRED FOR WET PICKUP)

### Single-Stage Motor (One Vacuum Fan):

Typically develops a high airflow which moves a large volume of small/fine particles. Sufficient suction for wet pickup. Designed for moderate-frequency use in general purpose applications. Economical.

### Two-Stage Motor (Two Vacuum Fans):

Greater suction for liquids and heavier particles. Vacuums small/fine particles easily. Designed for relatively high-frequency use in heavy-duty applications. Longer motor brush life; replacement motor brushes available.

## Long-Life Motor

### (Single- and Two-Stage Designs):

Brushless motor design provides increased performance and 5000+ hours motor life. Use in high-frequency, heavy-duty applications.

## STEP 3: VACUUM PERFORMANCE

Dayton wet/dry vacuums are rated for intermittent duty.

### Peak Horsepower (HP)

The maximum output horsepower of a motor determined from a laboratory dynamometer test.

### Cubic Feet per Minute (CFM)

Volume of air moved by vacuum cleaner motor. The higher the rating, the greater the ability to move large volumes of small/fine particles.

### Static Pressure (SP)

Indicates the suction pressure of the vacuum. Suction is measured by how far up a glass tube (in inches) a vacuum motor will lift a column of

water. The higher the rating, the greater the suction ability of heavier materials and liquids.

## Filtration

Proper filtration is essential to the performance and life of the vacuum. All units include standard filtration. Optional filtration, including multi-stage filtration for fine particles, is also available for most Dayton vacuums.

Note: Refer to page 1165 for standard and optional upgrade filtration.

## STEP 4: TANK STYLE/SIZE

Poly, stainless steel, or steel tanks are available.

## STEP 5: CONSIDER SPECIAL FEATURES

Quiet housing, lock-on hoses, dollies, tank drains, cord length, accessories.

Note: Motor specifications listed are determined under engineering laboratory conditions.

Key Symbol	GOOD	BETTER	BEST	Not Available
	○	◆	●	N/A

Performance Rating	Material					Light (Under 10 Hrs.)	Weekly Usage			Motor	Tank Size
	Fine: Dust, Drywall, Sawdust, Hair	Medium: Sand, Dirt, Pebbles, Litter	Heavy: Glass, Metal Scraps, Gravel, Nuts, Bolts, Nails	Liquids: Water, Non-corrosive liquids, Detergent, Shampoo			Medium (10-20 Hrs.)	Heavy (20+ Hrs.)			
Item Number											
<b>Contractor/Light-Duty</b>											
1VHG1	◆	●	◆	◆	●	◆	○		1-Stage	16 Gal./2.5 Gal.	
1VHF9	◆	●	◆	◆	●	◆	○		1-Stage	20 Gal./2.5 Gal.	
3VE18	○	○	○	◆	●	◆	○		1-Stage	6 Gal.	
3VE19	○	○	○	◆	●	◆	○		1-Stage	8 Gal.	
3VE20	○	○	○	◆	●	◆	○		1-Stage	12 Gal.	
3VE21	◆	●	◆	◆	●	◆	○		1-Stage	16 Gal.	
3VE22	◆	●	◆	◆	●	◆	○		1-Stage	18 Gal.	
1UG91	◆	●	◆	◆	●	◆	○		1-Stage	22 Gal.	
2RPD8	◆	●	◆	◆	●	◆	○		1-Stage	32 Gal.	
4TB77	●	●	◆	◆	●	◆	●		1-Stage	12 Gal.	
4TB78	●	●	◆	◆	●	◆	●		1-Stage	18 Gal.	
<b>Industrial/Medium-Duty</b>											
4TB83	◆	●	◆	◆	●	◆	●		2-Stage	10 Gal.	
4TB82, 4TB84	◆	●	◆	◆	●	◆	●		2-Stage	16 Gal.	
4TB85	◆	●	◆	◆	●	◆	●		2-Stage	22 Gal.	
<b>Industrial/Heavy-Duty</b>											
4YE58, 4YE59	◆	●	◆	◆	●	◆	●		2-Stage	15 Gal.	
4YE60, 4YE63	◆	●	◆	◆	●	◆	●		2-Stage	N/A	
4YE62	◆	●	◆	◆	●	◆	●		2-Stage	20 Gal.	
1VHG2, 1VHG5	●	●	◆	◆	●	◆	●		2-Stage	20 Gal.	
1VHG3	●	●	◆	◆	●	◆	●		2-Stage	N/A	
<b>Commercial</b>											
4YE64	○	●	○	N/A	●	●	●		2-Stage	6 Gal.	
4YE65	○	○	○	◆	●	◆	○		1-Stage	6 Gal.	
4YE66, 4YE67	●	●	◆	◆	●	●	●		2-Stage	6 Gal.	
4YE68	●	●	◆	◆	●	●	●		2-Stage	10 Gal.	
4TB86	●	●	◆	◆	●	●	●		2-Stage	10 Gal.	
4YE69	●	●	◆	◆	●	●	●		2-Stage	12 Gal.	
4YE71, 4YE72	●	●	◆	◆	●	●	●		2-Stage	16 Gal.	
1UG82	●	●	◆	N/A	●	◆	◆		1-Stage	N/A	
1TFX2	◆	○	○	N/A	●	◆	○		1-Stage	N/A	
<b>Commercial/Professional</b>											
1VHG6	●	●	◆	◆	●	●	●		2-Stage	12 Gal.	
1VHG4, 1VHG7, 1VHG8	●	●	◆	◆	●	●	●		2-Stage	16 Gal.	
4TR09, 4TR10	●	●	◆	N/A	●	●	●		2-Stage	N/A	
<b>Portable</b>											
1VHF8	◆	◆	○	◆	●	◆	○		1-Stage	5 Gal.	
4Z906	◆	○	○	N/A	●	○	○		1-Stage	N/A	
2NYE3	○	○	○	◆	●	○	○		1-Stage	2 Gal.	
4YE74	◆	○	○	◆	●	◆	○		1-Stage	3 Gal.	
2NYE4	○	○	○	◆	●	◆	○		1-Stage	2.5 Gal.	
<b>Specialty</b>											
4TB87	◆	●	◆	◆	●	◆	○		1-Stage	18 Gal.	
4TB89	○	◆	○	◆	●	◆	○		1-Stage	5 Gal.	
4TB90	●	●	◆	◆	●	●	●		2-Stage	6 Gal.	
6H003	◆	●	N/A	N/A	●	◆	◆		1-Stage	8 Gal.	
6H004	◆	●	N/A	N/A	●	◆	◆		1-Stage	25 Gal.	
5Z042	◆	●	◆	N/A	●	●	○		N/A	N/A	
4TB91	N/A	N/A	N/A	N/A	●	◆	○		1-Stage	N/A	
3UP78	◆	●	◆	◆	●	◆	○		1-Stage	8 Gal.	