



Simple. Clean.

Walk-Behind Sweeper/Wide Area Vac Comparison

Year	2007	2005	2007	2007	2005	2007	2007
Brand	Windsor (Karcher)	Minuteman	Windsor	Tennant/Nobles	NSS	Windsor	Kent
Model	Radius 28 Deluxe	MPV 31	Radius 24	3610	Pacer 30	WAVE 28	Edge 28B
Sweeper Size	28 in	30 in	24 in	24 in	30 in	28 in	28 in
Sweeper Type	Direct	NA (WAV)	Overthrow	Overthrow	NA (WAV)	NA (WAV)	Direct
CRI Green Label Approved?	No	No	No	No	No	Yes	TBD
Voltage	12 V	Cord	12 V	12 V	Cord	Cord	12 V
Batteries	1 x 45 Ah Gel	Cord	1 x 42 Ah Gel	1 x 42 Ah MF	Cord	Cord	1 x 46 Ah Gel
Run Time	1.3 hrs	Infinite	2 hrs	2 hrs	Infinite	Infinite	1.5-2 hrs
Traction	Mechanical	NA	None	None	NA	NA	Mechanical
Traction Speed	2.5 mph	NA	NA	NA	NA	NA	2.5 mph
Max Grade Climb	15%	NA	NA	NA	NA	NA	20%
Vac Level (inches H₂O)	0.28	63 in	–	–	44 in	63 in	0.47
Hopper/Bag Volume	2.1 ft ³	1.5 ft ³	1.2 ft ³	1.25 ft ³	1.5 ft ³	1.24 ft ³	2.1 ft³
Filter Area	10.8 ft ²	NA (bag)	10.7 ft ²	10 ft ²	Bag	NA (bag)	10.8 ft²
Noise Level	69 dB A	72 dB A	55/61 dB A	61 dB A	69 dB A	72 dB A	59 dB A
Main Broom Speed	–	1550 RPM	540 RPM	560 RPM	1725 RPM	NA (bag)	335 RPM
Side Broom Speed	–	NA	100 RPM	220 RPM	NA	NA	100 RPM
Filter Shaker	Manual	NA	Automatic Std	Automatic	NA	NA	Manual
Litter Flap	No	NA	No	No	NA	NA	No
No Tools Filter Removal	Yes	NA	Yes	Yes	NA	NA	Yes
No Tools Main Broom Removal	Yes	No	Yes	Yes	–	No	Yes
No Tools Side Broom Removal	Yes	NA	Yes	Yes	NA	NA	Yes
No Tools Broom Adjustment	Yes	Yes	Yes	Automatic	Yes	Yes	Yes
No Tools Handle Adjustment	Yes	NA	Yes	Yes	Yes	NA	Yes
Onboard Charger	No	NA	Standard	Yes	NA	NA	Yes
Length (inches)	37.2 in	37.0 in	28.8 in	37.0 in	43.5 in	59.0 in	39.0 in
Width (inches)	31.4 in	31.0 in	23.8 in	23.8 in	31.75 in	31.0 in	31.5 in
Height (inches)	37 in	17.5 in	37.5 in	37.5 in	36.0 in	18.0 in	24.4 in
List Price	\$1,960	\$2,165	\$2,270	\$2,337	\$2,423	\$2,713	\$2,749



Simple. Clean.

Walk-Behind Sweeper/Wide Area Vac Comparison (cont.)

Year	2005	2005	2007 Est.	2007	2005	2007
Brand	Minuteman	Minuteman	Eagle Power	Tennant/Nobles	NSS	Windsor
Model	724	747	Silver 510 ET	S8	Sidewinder BP30	Radius 28 (RWB28)
Sweeper Size	24 in	29 in	28 in	28 in	30 in	28 in
Sweeper Type	NA (WAV)	NA (WAV)	Direct/Overthrow	Overthrow	Overthrow	Direct/Overthrow
CRI Green Label Approved?	No	No	No	Yes	No	No
Voltage	12 V	12 V	12 V	12 V	12 V	12 V
Batteries	2 x 85 Ah Wet	2 x 85 Ah Wet	1 x 105, 145 Ah Gel	1 x 86 Ah Gel	1 x 145 Ah	1 x 105 Ah Gel
Run Time	–	–	3.5, 4.5 hrs	3 hrs (carpet)	4.5 hrs	3 hrs (carpet)
Traction	None	None	Mechanical	Mechanical	Mechanical	Mechanical
Traction Speed	NA	NA	2.0 mph	2.0 mph	–	2.2 mph
Max Grade Climb	NA	NA	–	2%	–	–
Vac Level (inches H ₂ O)	–	–	–	–	–	–
Hopper/Bag Volume	9.0 ft ³	9.0 ft ³	1.5 ft ³	1.1 ft ³	1.8 ft ³	1.1 ft ³
Filter Area	NA (bag)	NA (bag)	18 ft ²	–	32 ft ²	39 ft ²
Noise Level	–	–	65 dB A	65 dB A	65 dB A	65 dB A
Main Broom Speed	–	–	210 RPM	210 RPM	–	210 RPM
Side Broom Speed	NA	NA	120 RPM	120 RPM	–	100 RPM
Filter Shaker	NA	NA	Manual	Manual	Manual	Manual
Litter Flap	NA	NA	Yes	Yes	Yes	No
No Tools Filter Removal	NA	NA	Yes	Yes	–	Yes
No Tools Main Broom Removal	No	No	No	No	–	No
No Tools Side Broom Removal	NA	NA	Yes	Yes	–	Yes
No Tools Broom Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
No Tools Handle Adjustment	No Adjustment	No Adjustment	No Adjustment	No Adjustment	Yes	No Adjustment
Onboard Charger	No	No	Yes	Yes	Yes	Yes
Length (inches)	–	37.0 in	37.0 in	48.0 in	54 in	53.0 in
Width (inches)	–	24.0 in	28.0 in	30.5 in	29 in	32.0 in
Height (inches)	–	29.5 in	32.0 in	39.75 in	38 in	35.0 in
List Price	\$3,395	\$3,465	\$3,800 est.	\$4,047	\$4,339	\$4,367