



Specification and Capacities for DAVIS Standard Duty Soil Mixers

All Davis Standard Duty Mixers are furnished with our Paddle Agitator, Double Reduction Chain Drive, Complete V-Belt Drive, Motor Base and Cover with Hinged Section and Grate beneath. Limit Switch is attached to hinged section of cover. A full grate with limit switch can be furnished in place of cover. Drive is based on operation of mixer with 1750 RPM motor. If different RPM motor is used we must advised. Motor and starter not included. We will be pleased to quote upon request.

MODEL	S-1	S-2	S-3	S-5	S-10	S-20	S-30	S-40	S-60	S-80	S-100	S-120	S-140	S-160	S-200
Mixing Capacity:															
Cubic Yards	1/4	2/5	2/3	1	2.2	3.3	4.2	5.5	6.7	9.3	12.2	15	17	19	21.3
Cubic Feet	6	12	18	30	60	90	115	150	180	250	330	400	460	515	575
Cubic Meters	0.17	0.34	0.51	0.86	1.7	2.55	3.25	4.25	5.09	7.08	9.34	11.33	13.03	14.58	16.28
Gallons	45	90	135	225	450	675	860	1,122	1,350	1,870	2,470	3,000	3,450	3,850	4,301
Liters	170	340	509	849	1,699	2,548	3,256	4,955	6,512	8,494	9,910	11,326	13,025	14,583	16,283
Mixing Capacity In Pounds Based On Ingredients Averaging:															
35# per cu. ft.	200	400	600	1,000	2,100	3,100	4,000	5,200	6,300	8,700	11,500	14,000	16,100	18,000	20,000
30# per cu. ft.	180	360	540	900	1,800	2,700	3,400	4,500	5,400	7,500	9,900	12,000	13,800	15,400	17,200
25# per cu. ft.	150	300	450	750	1,500	2,200	2,800	3,700	4,500	6,200	8,200	10,000	11,500	12,800	14,300
20# per cu. ft.	120	240	360	600	1,200	1,800	2,300	3,000	3,600	5,000	6,600	8,000	9,200	10,300	11,500
35 pounds per cubic foot represent the maximum bulk density that our Standard Duty Mixer is designed to process. The Standard Duty Mixer can be used with up to 20% sand.															
H. P. Required	1.5	2	2	5	10	10	15	30	40	40	50	60	75	100	125
Tank Length	3' 0"	2' 6"	3' 9"	5' 5"	6' 8"	7' 6"	8' 4"	9' 8"	10' 6"	11' 6"	12' 4"	12' 10"	13' 5"	14' 0"	14' 4"
Tank Width	1' 8"	2' 6"	2' 6"	2' 8"	3' 5"	4' 0"	4' 3"	4' 10"	5' 4"	5' 10"	6' 1"	6' 5"	6' 8"	7' 0"	7' 3"
Tank Depth	2' 2"	3' 0"	3' 0"	3' 2"	3' 11"	4' 6"	4' 9"	5' 4"	5' 10"	6' 4"	6' 7"	6' 11"	7' 2"	7' 6"	7' 9"
Loading Height	5' 4"	3' 6"	3' 6"	3' 8"	4' 5"	5' 0"	5' 3"	5' 10"	6' 4"	6' 10"	7' 1"	7' 5"	7' 8"	8' 0"	8' 3"
Outlet Size	7x7"	9x9"	9x9"	9x9"	14x16"	14x16"	14x16"	14x20"	14x20"	18x24"	24x26"	24x26"	30x26"	30x26"	30x30"
Overall Length	4' 0"	4' 3"	5' 7"	7' 3"	8' 6"	9' 8"	10' 6"	12' 2"	12' 8"	14' 5"	16' 3"	17' 3"	19' 4"	19' 11"	20' 9"
Overall Width	2' 0"	3' 9"	3' 9"	3' 11"	4' 10"	5' 7"	5' 10"	6' 6"	7' 0"	8' 0"	8' 7"	9' 0"	9' 11"	10' 1"	10' 4"
Overall Height	5' 4"	4' 6"	4' 6"	4' 10"	5' 9"	6' 4"	6' 9"	7' 4"	7' 11"	8' 7"	8' 11"	9' 5"	9' 9"	10' 3"	10' 8"
Tank Thickness	12ga	12ga	12ga	12ga	12ga	12ga	10ga	10ga	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"
Weight In Pounds	500	700	800	1,200	1,700	2,300	3,000	5,000	6,000	8,500	10,000	12,000	15,000	18,000	20,000

For ingredients which weigh between 35 to 50 pounds per cubic foot require our Heavy Duty Mixer while ingredients that weigh 50 to 70 pounds per cubic foot require our Super Duty Batch Mixer, material weighing 71 to 100 pounds per cubic foot requires our Ultimate Duty Mixer and ingredients weighing 100 to 150 pounds per cubic foot require our Maximum Duty Mixer.

Questions, Comments about any of our products or this page please let us know! Info@HCDavis.com

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