



Specification and Capacities for DAVIS Heavy Duty Soil Mixers

All Davis Heavy 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. Mixer's tank is made of 3/16" plate (HD100 and HD120 are made with 1/4" plate). Drive is based on operation of mixer with 1750 RPM motor. If different RPM motor is used we must be advised. Motor and starter not included. We will be pleased to quote upon request.

Model	HD-2	HD-3	HD-5	HD-10	HD-20	HD-30	HD-40	HD-60	HD-80	HD-100	HD-120
Mixing Capacity:											
Cubic Yards	2/5	2/3	1.1	2.2	3.3	4.2	5.5	6.7	9.3	12.2	13.3
Cubic Feet	12	18	30	60	90	115	150	180	250	330	360
Cubic Meters	0.34	0.51	0.85	1.7	2.55	3.25	4.24	5.09	7.08	9.3	10.19
Gallons	90	135	225	450	675	862	1,125	1,350	1,875	2,475	2,693
Liters	339	509	849	1,699	2,548	3,256	4,247	5,096	7,079	9,344	10,194
Mixing Capacity In Pounds Based On Ingredients Averaging:											
50# per cu. ft.	600	900	1,500	3,000	4,500	5,700	7,500	9,000	12,500	16,500	18,000
45# per cu. ft.	540	810	1,350	2,700	4,050	5,170	6,750	8,100	11,250	14,850	16,200
40# per cu. ft.	480	720	1,200	2,400	3,600	4,600	6,000	7,200	10,000	13,200	14,400
50 pounds per cubic foot represent the maximum bulk density that our Heavy Duty Mixer is designed to process. The Heavy Duty Mixer can be used with up to 40% sand.											
H.P. Required	2	3	5	15	20	25	40	40	50	75	100
Tank Length	2' 6"	3' 9"	5' 5"	6' 8"	7' 6"	8' 4"	9' 6"	10' 0"	11' 0"	11' 8"	12' 10"
Tank Width	2' 6"	2' 6"	2' 8"	3' 5"	4' 0"	4' 3"	4' 6"	4' 10"	5' 6"	6' 1"	6' 5"
Tank Depth	3' 0"	3' 0"	3' 2"	3' 11"	4' 6"	4' 9"	5' 0"	5' 4"	6' 0"	6' 7"	6' 11"
Loading Height	3' 6"	3' 6"	3' 8"	4' 5"	5' 0"	5' 3"	5' 6"	5' 10"	6' 6"	7' 1"	7' 5"
Outlet Size	9x9"	9x9"	9x9"	14x16"	14x16"	14x16"	14x20"	14x20"	18x24"	24x26"	24x26"
Overall Length	4' 3"	5' 1"	7' 5"	8' 11"	9' 9"	10' 9"	12' 3"	13' 0"	14' 11"	15' 7"	17' 3"
Overall Width	3' 8"	3' 8"	3' 10"	4' 10"	5' 3"	5' 9"	6' 1"	6' 9"	7' 9"	8' 4"	9' 0"
Overall Height	4' 9"	4' 7"	5' 1"	5' 10"	6' 7"	6' 10"	7' 3"	7' 9"	8' 5"	9' 2"	9' 5"
Weight in Pounds	750	1,000	1,500	2,000	3,000	4,000	5,500	7,500	10,000	12,000	14,000

For ingredients which weigh up to 35 pounds per cubic foot, our Standard Duty Mixers are required, 50 to 70 pounds per cubic foot our Super Duty Batch Mixer is required. 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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