



Specification and Capacities for DAVIS Super Duty Soil Mixers

All Davis Super 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, except SD 80 which is 1/4" thick. Drive is based on operation of mixer with 1750 RPM motor. If different RPM motor is used we must be advised. Motor and starter are not included. We will be pleased to quote upon request.

Model	SD-2	SD-3	SD-5	SD-10	SD-20	SD-30	SD-40	SD-60	SD-80
Mixing Capacity:									
Cubic Yards	2/5	2/3	1.1	2.2	3.3	4.2	5.5	6.7	9.3
Cubic Feet	12	18	30	60	90	115	150	180	250
Cubic Meters	0.34	0.51	0.85	1.7	2.55	3.25	4.24	5.09	7.08
Gallons	90	135	225	450	675	862	1,125	1,350	1,875
Liters	339	509	849	1,699	2,548	3,256	4,247	5,096	7,079
Mixing Capacity In Pounds Based On Ingredients Averaging:									
70# per cu. ft.	800	1,200	2,100	4,200	6,300	8,000	10,500	12,600	17,500
65# per cu. ft.	780	1,170	1,950	3,900	5,850	7,470	9,750	11,700	16,250
60# per cu. ft.	720	1,080	1,800	3,600	5,400	6,900	9,000	10,800	15,000
55# per cu. ft.	660	990	1,650	3,300	4,950	6,320	8,250	9,900	13,750
70 pounds per cubic foot represent the maximum bulk density that our Super Duty Mixer is designed to process. The Super Duty Mixer can be used with up to 60% sand.									
H. P. Required	3	5	10	20	30	40	40	60	75
Tank Length	2' 6"	3' 9"	5' 5"	6' 8"	7' 6"	8' 4"	9' 6"	10' 0"	11' 0"
Tank Width	2' 6"	2' 6"	2' 8"	3' 5"	4' 0"	4' 3"	4' 6"	4' 10"	5' 6"
Tank Depth	3' 0"	3' 0"	3' 2"	3' 11"	4' 6"	4' 9"	5' 0"	5' 4"	6' 0"
Loading Height	3' 6"	3' 6"	3' 8"	4' 5"	5' 0"	5' 3"	5' 6"	5' 10"	6' 6"
Outlet Size	9x9"	9x9"	9x9"	14x16"	14x16"	14x16"	14x20"	14x20"	18x24"
Overall Length	4' 3"	5' 7"	7' 6"	8' 11"	10' 0"	11' 4"	12' 6"	13' 11"	17' 3"
Overall Width	3' 9"	3' 9"	4' 1"	4' 11"	5' 3"	5' 10"	6' 8"	6' 11"	8' 4"
Overall Height	4' 11"	4' 11"	5' 1"	6' 0"	6' 4"	7' 2"	7' 5"	7' 11"	8' 8"
Weight In Pounds	1,000	1,200	2,000	3,000	4,000	5,000	7,000	10,000	12,000

For ingredients which weigh up to 35 pounds per cubic foot, our Standard Duty Mixers are required, 35 to 50 pounds per cubic foot our Heavy 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

H. C. Davis Sons Manufacturing Co., Inc.

P.O. Box 395

Bonner Springs, KS 66012

Phone: 913-422-3000 Fax: 913-422-7220 E-Mail: info@hcdavis.com