



Specification and Capacities for DAVIS Standard Duty 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 be 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
Tank Capacity Cubic Feet	10	17	25	41	80	122	152	225	295	383	445	513	577	662	725
Mixing Capacity:															
Cubic Feet	6	12	18	30	60	90	115	175	230	300	350	400	460	515	575
Cubic Yards	0.22	0.44	0.67	1.1	2.2	3.3	4.3	6.5	8.5	11.1	12.9	14.8	17	19	21.3
Cubic Meters	0.17	0.34	0.51	0.86	1.7	2.55	3.25	4.96	6.51	8.49	9.91	11.33	13.03	14.58	16.28
Gallons	45	90	135	225	450	675	862	1,312	1,725	2,250	2,618	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	6,100	8,000	10,500	12,200	14,000	16,100	18,000	20,000
30# per cu. ft.	180	360	540	900	1,800	2,700	3,400	5,200	6,900	9,000	10,500	12,000	13,800	15,400	17,200
25# per cu. ft.	150	300	450	750	1,500	2,200	2,800	4,300	5,700	7,500	8,700	10,000	11,500	12,800	14,300
20# per cu. ft.	120	240	360	600	1,200	1,800	2,300	3,500	4,600	6,000	7,000	8,000	9,200	10,300	11,500
35 pounds per cubic foot represent the maximum bulk density our Standard Duty Mixer is designed to process.															
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	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

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