



ENGINEERING SPECIFICATIONS

BUSHEL CAPACITY	PULLEY DIAMETER	PLASTIC CC		PULLEY RPM	SPEED (FPM)	BELT WIDTH	Discharge (D)
		BUCKET SIZE	BUCKET SPACE				
500 BPH	10"	6 X 4	9"	109	314	7"	6" RD.
12.7 MTPH	(254.0)	(152.4 X 101.6)	(228.6)	109	(1.59 M/S)	(177.8)	(152.4)
750 BPH	10"	6 X 4	6"	109	314	7"	6" RD.
19.0 MTPH	(254.0)	(152.4 X 101.6)	(152.4)	109	(1.59 M/S)	(177.8)	(152.4)
1000 BPH	10"	6 X 4 LP	4.5"	109	314	7"	6" RD.
25.4 MTPH	(254.0)	(152.4 X 101.6)	(114.3)	125	(1.59 M/S)	(177.8)	(152.4)
1000 BPH	16"	9 X 6	20"	93	414	10"	6" RD.
25.4 MTPH	(406.4)	(228.6 X 152.4)	(508.0)	93	(2.1 M/S)	(254.0)	(152.4)
1500 BPH	16"	9 X 6	14"	93	414	10"	6" RD.
38.1 MTPH	(406.4)	(228.6 X 152.4)	(355.6)	93	(2.1 M/S)	(254.0)	(152.4)
2000 BPH	16"	9 X 6	10"	93	414	10"	8" RD.
50.8 MTPH	(406.4)	(228.6 X 152.4)	(254.0)	93	(2.1 M/S)	(254.0)	(203.2)
2500 BPH	16"	9 X 6	8"	93	414	10"	8" RD.
63.5 MTPH	(406.4)	(228.6 X 152.4)	(203.2)	93	(2.1 M/S)	(254.0)	(203.2)
3000 BPH	16"	9 X 6	7"	93	414	10"	8" RD.
76.2 MTPH	(406.4)	(228.6 X 152.4)	(177.8)	93	(2.1 M/S)	(254.0)	(203.2)
3000 BPH	24"	12 X 6	10.5"	73	478	13"	8" RD.
76.2 MTPH	(406.4)	(304.8 X 152.4)	(266.7)	73	(2.43 M/S)	(330.2)	(203.2)
3500 BPH	24"	12 X 6	9"	73	478	13"	10" RD.
88.9 MTPH	(406.4)	(304.8 X 152.4)	(228.6)	73	(2.43 M/S)	(330.2)	(254.0)
4000 BPH	24"	12 X 6	8"	73	478	13"	10" RD.
101.6 MTPH	(406.4)	(304.8 X 152.4)	(203.2)	73	(2.43 M/S)	(330.2)	(254.0)
4000 BPH	30"	12 X 6	9"	67	544	13"	10" RD.
101.6 MTPH	(762.0)	(304.8 X 152.4)	(228.6)	67	(2.76 M/S)	(330.2)	(254.0)
5000 BPH	30"	12 X 6 LP	7"	67	544	13"	10" RD.
127.0 MTPH	(762.0)	(304.8 X 152.4)	(177.8)	67	(2.76 M/S)	(330.2)	(254.0)
6000 BPH	30"	12 X 6 LP	6"	67	544	13"	12" RD.
152.4 MTPH	(762.0)	(304.8 X 152.4)	(152.4)	67	(2.76 M/S)	(330.2)	(304.8)
5000 BPH	36"	12 X 7	12"	65	630	13"	12" RD.
127.0 MTPH	(762.0)	(304.8 X 177.8)	(304.8)	65	(3.20 M/S)	(330.2)	(304.8)
6000 BPH	36"	12 X 7	10"	65	630	13"	12" RD.
152.4 MTPH	(762.0)	(304.8 X 177.8)	(254.0)	65	(3.20 M/S)	(330.2)	(304.8)
7000 BPH	36" W	16 X 7	12"	65	630	17"	12" RD.
177.8 MTPH	(762.0)	(304.8 X 177.8)	(304.8)	65	(3.20 M/S)	(431.8)	(304.8)
8000 BPH	36" W	16 X 7	10.5"	65	630	17"	14" RD.
203.2 MTPH	(762.0)	(304.8 X 177.8)	(266.7)	65	(3.20 M/S)	(431.8)	(355.6)
9000 BPH	36" W	16 X 7	9.5"	65	630	17"	16" RD.
228.6 MTPH	(762.0)	(304.8 X 177.8)	(241.3)	65	(3.20 M/S)	(431.8)	(406.4)
8000 BPH	42"	16 X 8	14.5"	58	653	17"	14" RD.
203.2 MTPH	(1066.8)	(304.8 X 203.2)	(368.3)	58	(3.32 M/S)	(431.8)	(355.6)
9000 BPH	42"	16 X 8	13"	58	653	17"	16" RD.
228.6 MTPH	(1066.8)	(304.8 X 203.2)	(330.2)	58	(3.32 M/S)	(431.8)	(406.4)
10,000 BPH	42"	16 X 8	11.5"	58	653	17"	16" RD.
254.0 MTPH	(1066.8)	(304.8 X 203.2)	(292.1)	58	(3.32 M/S)	(431.8)	(406.4)
12,000 BPH	42"	16 X 8	10"	58	653	17"	18" RD.
304.8 MTPH	(1066.8)	(304.8 X 203.2)	(254.0)	58	(3.32 M/S)	(431.8)	(457.2)

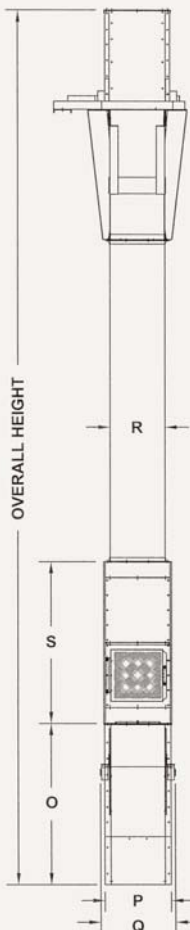
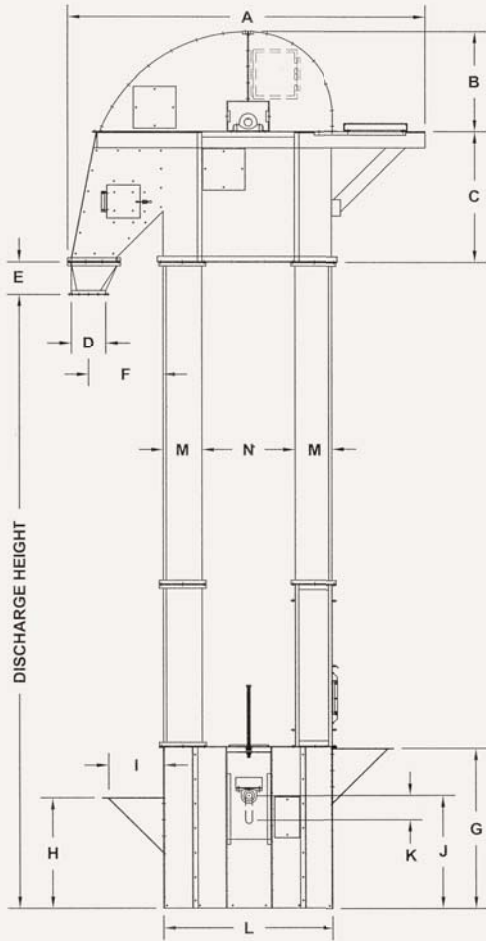
STANDARD & METRIC DIMENSIONS

PULLEY DIAMETER	10" (254.0)	16" (406.4)	24" (609.6)	30" (762.0)	36" (914.4)	36" W (914.4)	42" (1066.8)
A	64" (1625.6)	76" (1930.4)	84" (2133.6)	103" (2616.2)	124" (3149.6)	124" (3149.6)	142" (3606.8)
B	15" (381.0)	22" (558.8)	26" (660.4)	32" (812.8)	37" (939.8)	37" (939.8)	42" (1066.8)
C	19" (482.6)	22" (558.8)	22" (558.8)	34" (863.6)	48" (1219.2)	48" (1219.2)	58" (1473.2)
D	See Engineering specifications						
E	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)
F	16" (406.4)	20" (508.0)	20" (508.0)	28" (711.2)	33" (838.2)	33" (838.2)	39" (990.6)
G	32" (812.8)	39" (990.6)	44" (1117.6)	55" (1397.0)	59" (1498.6)	59" (1498.6)	62" (1574.8)
H	26" (660.4)	29" (736.6)	35" (889.0)	37" (939.8)	41" (1041.4)	41" (1041.4)	44" (1117.6)
I	10" (254.0)	13" (330.2)	13" (330.2)	18" (457.2)	18" (457.2)	18" (457.2)	18" (457.2)
J	22" (558.8)	25" (635.0)	31" (787.4)	37" (939.8)	39" (990.6)	39" (990.6)	47" (1193.8)
K	6" (152.4)	9" (228.6)	9" (228.6)	12" (304.8)	9" (228.6)	9" (228.6)	12" (304.8)
L	25" (635.0)	34" (863.6)	42" (1066.8)	48" (1219.2)	62" (1574.8)	62" (1574.8)	68" (1727.2)
M	8.5" (215.9)	10" (254.0)	10" (254.0)	10" (254.0)	14" (355.6)	14" (355.6)	14" (355.6)
N	8" (203.2)	14" (355.6)	22" (558.8)	28" (711.2)	34" (863.6)	34" (863.6)	40" (1016.0)
O	36" (914.4)	48" (1219.2)	48" (1219.2)	60" (1524.0)	60" (1524.0)	60" (1524.0)	72" (1828.8)
P	13" (330.2)	16" (406.4)	16" (406.4)	20" (508.0)	20" (508.0)	24" (609.6)	24" (609.6)
Q	17" (431.8)	20" (508.0)	22" (558.8)	23" (584.2)	23" (584.2)	28" (711.2)	28" (711.2)
R	10" (254.0)	13" (330.2)	16" (406.4)	16" (406.4)	16" (406.4)	20" (508.0)	20" (508.0)
S	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)
GAUGE THICKNESS							
Head Housing	11" (3.13)	11" (3.13)	11" (3.13)	11" (3.13)	8" (4.26)	8" (4.26)	8" (4.26)
Hood Side	14" (2.00)	14" (2.00)	14" (2.00)	12" (2.75)	8" (4.26)	8" (4.26)	8" (4.26)
Hood Band	11" (3.13)	11" (3.13)	11" (3.13)	11" (3.13)	8" (4.26)	8" (4.26)	8" (4.26)
Boot Housing	11" (3.13)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)
Trunking	14" (2.00)	14" (2.00)	14" (2.00)	12" (2.65)	12" (2.65)	12" (2.65)	12" (2.65)

NOTE: Bucket Elevators have a standard Left Hand (LH) projection which means from the motor mount looking towards the discharge of the elevator the drive arrangement will be on the left hand side.
 Gauges listed are for galvanized legs except the Model 54, which is sold as painted only.
 8 gauge galvanized is replaced with 7 gauge HR on painted legs.

Key Dimensions in inches
 Dimensions in (millimeters)

Bucket Elevators



STANDARD & METRIC DIMENSIONS

PULLEY DIAMETER	48" (1219.2)	48" (1219.2)	48" (1219.2)	48" (1219.2)	48" (1219.2)	48" (1219.2)	48" (1219.2)
BUSHEL per HOUR	10,000	12,000	15,000	20,000	25,000	30,000	40,000
METRIC TONNE per HOUR	254	305	380	550	681	833	1,117
A	146" (3708.4)	146" (3708.4)	146" (3708.4)	150" (3810.0)	146" (3708.4)	150" (3810.0)	160" (4064.0)
B	44" (1117.6)	44" (1117.6)	44" (1117.6)	58" (1473.2)	44" (1117.6)	58" (1473.2)	58" (1473.2)
C	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)	60" (1524.0)
D	See Engineering Specifications						
E	30.5" (774.7)	30.5" (774.7)	30.5" (774.7)	30.5" (774.7)	30.5" (774.7)	30.5" (774.7)	30.5" (774.7)
F	25" (635.0)	25" (635.0)	25" (635.0)	25" (635.0)	25" (635.0)	25" (635.0)	26" (660.4)
G	62" (1574.8)	62" (1574.8)	62" (1574.8)	62" (1574.8)	62" (1574.8)	62" (1574.8)	72" (1828.8)
H	44" (1117.6)	44" (1117.6)	44" (1117.6)	44" (1117.6)	44" (1117.6)	44" (1117.6)	50" (1270.0)
I	18" (457.2)	18" (457.2)	18" (457.2)	18" (457.2)	18" (457.2)	18" (457.2)	20" (508.0)
J	47" (1193.8)	47" (1193.8)	47" (1193.8)	47" (1193.8)	47" (1193.8)	47" (1193.8)	53" (1346.2)
K	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)	12" (304.8)
L	74" (1879.6)	74" (1879.6)	74" (1879.6)	74" (1879.6)	74" (1879.6)	74" (1879.6)	74" (1879.6)
M	14" (355.6)	14" (355.6)	14" (355.6)	14" (355.6)	14" (355.6)	14" (355.6)	14" (355.6)
N	46" (1168.4)	46" (1168.4)	46" (1168.4)	46" (1168.4)	46" (1168.4)	46" (1168.4)	46" (1168.4)
O	72" (1828.8)	72" (1828.8)	72" (1828.8)	72" (1828.8)	72" (1828.8)	72" (1828.8)	84" (2133.6)
P	24" (609.6)	24" (609.6)	32" (812.8)	32" (812.8)	42" (1066.8)	42" (1066.8)	72" (1828.8)
Q	34.5" (876.3)	34.5" (876.3)	41" (1041.4)	41" (1041.4)	52" (1320.8)	52" (1320.8)	86.5" (2197.1)
R	20" (508.0)	20" (508.0)	28" (711.2)	28" (711.2)	41" (1041.4)	41" (1041.4)	65" (1651.0)
S	60" (1524.0)	60" (1524.0)	60" (1524.0)	120" (3048.0)	120" (3048.0)	120" (3048.0)	120" (3048.0)
GAUGE THICKNESSES							
HEAD HOUSING	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	0.25" (4.26)
HOOD SIDE	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	0.25" (6.35)
HOOD BAND	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	0.25" (6.35)
BOOT HOUSING	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	8" (4.26)	0.25" (6.35)
TRUNKING	12" (2.65)	12" (2.65)	10" (3.41)	10" (3.41)	10" (3.41)	10" (3.41)	10" (3.41)

ENGINEERING SPECIFICATIONS

BUSHEL CAPACITY	PULLEY DIAMETER	PLASTIC CC		PULLEY RPM	SPEED (FPM)	BELT WIDTH	DISCHARGE
		BUCKET SIZE	BUCKET SPACE				
10,000 BPH	48"	16 X 8	12"	56	704	17"	16" RD.
254 MTPH	(1219.2)	(406.4 X 203.2)	(304.8)	56	(3.58 M/S)	(381.0)	(406.4)
12,000 BPH	48"	16 X 8	10"	56	704	17"	18" RD.
305 MTPH	(1219.2)	(406.4 X 203.2)	(254.0)	56	(3.58 M/S)	(381.0)	(457.2)
15,000 BPH	48"	20 X 8	10.5"	56	704	21"	20" RD.
380 MTPH	(1219.2)	(508.0 X 203.2)	(266.7)	56	(3.58 M/S)	(533.4)	(508.0)
20,000 BPH	48"	2@16 X 8	13"	56	667	22"	22" RD.
550 MTPH	(1219.2)	(508.0 X 203.2)	(330.2)	56	(3.39 M/S)	(558.8)	(457.2)
25,000 BPH	48"	2@16 X 8	10.5"	56	704	34"	24" SQ.
681 MTPH	(1219.2)	2@(406.4 X 203.2)	(266.7)	56	(3.58 M/S)	(863.6)	(609.6)
30,000 BPH	48"	2@16 X 8	8.5"	56	667	34"	24" SQ.
833 MTPH	(1219.2)	2@(406.4 X 254.0)	(215.9)	56	(3.39 M/S)	(863.6)	(609.6)
40,000 BPH	48"	3@16 X 8	9"	56	690	57"	30" SQ.
1117 MTPH	(1371.6)	3@(406.4 X 254.0)	(228.6)	56	(3.50 M/S)	(1447.8)	(762.0)

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8 gauge galvanized is replaced with 7 gauge HR on painted legs.

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Dimensions in (millimeters)