

STRENGTH
SIMPLICITY
DEPENDABILITY



4-Wheel & 3-Wheel Irrigation Booms

Cadman



4-Wheel and 3-Wheel Irrigation Booms



R-64 4-Wheel Boom

- Efficient, tough, reliable and surprisingly versatile.
- Easy to operate, can be folded by one person in just a few minutes for transport.
- Uniform water application gives far more even crop growth compared to big-gun systems.
- Can reduce water consumption by 20% compared with big-gun systems.
- High flow rates allow faster retraction enabling large areas to be covered in less time.



R-64 & R-50 4-Wheel Boom Features:

- Can be towed and operated from either end.
- The option of 'offset hose feed' keeps the hose reel pipe in the wheeling, alleviating traction problems.
- Semi-automatic locking catches mean that even the largest booms are genuinely one man operation.
- No lifting or carrying.
- 4-wheel steering means the boom follows the tractor into the row to keep crop damage to a minimum.
- Choice of pressure regulated spray-jets or rotators are available for required rates and droplet size. Boom operates between 100 to 400 GPM.
- A choice of blanking plates, big-gun mounting kits and end sprinklers give the booms incredibly good versatility.



4-Wheel and 3-Wheel Irrigation Booms



- Controlled droplet size reduces soil damage.
- Large droplets can be selected to reduce drift while fine droplets can be used for very delicate crops.
- Reduced impact from small droplets also reduces soil capping and soil erosion.
- Low pressure operation helps reduce pumping costs and puts less strain on the pipeline.
- All our booms are made from steel and are fully galvanised which ensures a long life span.



R-18 R-24 R-30 R-40 3-Wheel Boom Features:

- 3-wheel mounted booms allow lane spacings of 59' to 200'.
- For ease of operation the booms are transported on the reel and a fixed hydraulic lift system has been developed to transport the booms safely.
- All models give accurate and uniform water distribution under a wide range of conditions, with a controlled droplet size to match the crop.
- The booms operate at low pressure (9 to 60 PSI) and can apply from 61 to 220 GPM.



4-Wheel and 3-Wheel Irrigation Booms

Briggs Boom Technical Data For 4-Wheel

	R50	R50 High Crop	R64	R64 High Crop
Boom Length (L)	154' (50m)	154' (50m)	210' (64m)	210' (64m)
Lane Spacing (I)	154'- 246' (50 - 75m)	154'- 246' (50 - 75m)	210' - 300' (64 - 91m)	210' - 300' (64 - 91m)
Band Width (D)	33'- 82' (10 - 25m)			
Flow GPM (lpm)	80 - 360 (302 - 1363)	80 - 360 (302 - 1363)	80 - 400 (302 - 1514)	80 - 400 (302 - 1514)
Operating PSI (bar)	15 - 60 PSI (1 - 4 bar)			
Quantity of Outlets	18	18	22	22
Folded Length - ft (m)	24.7' (7.4m)			
Folded Width - ft (m)	11' 6" (3.5m)		12' (3.65m)	
Track Width - inches (m)	60" - 165" (1.5 - 4.2m)			
Height to Nozzle - ft (m)	60" (1.5m)	60" - 122" (1.5 - 3.1m)	60" (1.5m)	60" - 122" (1.5 - 3.1m)
Height to Top of Structure - ft (m)	9'6" (2.93m)	15' (4.6m)	9'6" (2.93m)	15' (4.6m)
Weight - lbs (kg) *	3740 (1700)	4330 (1970)	3806 (1730)	4400 (2000)

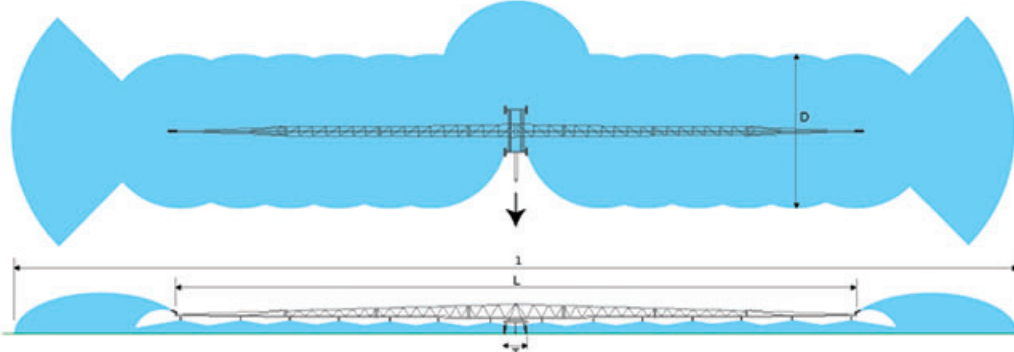
Figures are for reference purposes only and are not binding.
We reserve the right to alter specifications without prior notice.
*Weights shown are for boom w/ offset watered on both ends of the chassis.



Boom Travel Speeds For Example Flow Rates In Inches/Minute (meters/hour)

Boom Size / Lane	Pressure at Boom in PSI (bar)	Flow Rate in GPM (lpm)	Application Rate in Inches (mm)					
			.3 (7.5)	.4 (10)	.6 (15)	.79 (20)	.98 (25)	1.18 (30)
R50/177' (54m)	30 (2)	132 (500)	47 (72)	36 (55)	24 (37)	18 (28)	15 (23)	12 (18)
50m wide structure with end spray jets		193 (731)	70 (107)	52 (79)	35 (53)	27 (41)	21 (32)	18 (27)
R50/236' (72m)	60 (4)	180 (681)	49 (75)	37 (56)	25 (38)	19 (29)	15 (23)	12 (18)
50m wide structure with end sprinklers		286 (1083)	78 (119)	58 (88)	39 (59)	30 (46)	24 (37)	20 (30)
R64/236' (72m)	30 (2)	228 (863)	62 (94)	47 (72)	31 (47)	24 (37)	19 (29)	16 (24)
64m wide structure with end spray jets		352 (1332)	96 (146)	72 (110)	48 (73)	36 (55)	29 (44)	24 (37)
R64/295' (90m)	44 (3)	286 (863)	62 (94)	46 (70)	31 (47)	24 (37)	19 (29)	16 (24)
64m wide structure with end sprinklers		390 (1476)	84 (128)	63 (96)	42 (64)	32 (49)	26 (40)	21 (32)

These flow rates are examples only. There are a wide range of flow rates for each model.



Briggs Boom Technical Data For 3-Wheel Chassis

	R18	R24	R30	R40
Boom Length (L)	59' (18m)	79' (24m)	95' (29m)	131' (40m)
Lane Spacing (I)	59' - 105' (18 - 32m)	79' - 138' (24 - 42m)	95' - 157' (30 - 48m)	131' - 200' (40 - 61m)
Band Width (D)	33' - 82' (10 - 25m)			
Flow GPM (lpm)	51 - 110 (193 - 416)	51 - 160 (193 - 606)	51 - 184 (193 - 697)	73 - 225 (276 - 852)
Operating PSI (bar)	15 - 60 PSI (1 - 4 bar)			
Quantity of Outlets	9	11	13	17
Folded Length - ft (m)	16.5' (5m)	16.5' (5m)	16.5' (5m)	18' (5.5m)
Folded Width - ft (m)	9'3" (2.8m)	11'2" (3.4m)	11'2" (3.4m)	11'2" (3.4m)
Track Width - inches (m)	60" - 165" (1.5 - 4.2m)			
Height to Nozzle - ft (m)	4'11" (1.5m)	7'5" (2.28m) for high crop kit in high position**	4'11" (1.5m)	4'11" (1.5m)
Height to Top of Structure - ft (m)	7' (2.12m)	9'6" (2.9m) for high crop kit in high position**	7'8" (2.37m)	7'8" (2.37m)
Weight - lbs (kg)	882 (400)	992 (450)	1014 (460)	1367 (620)

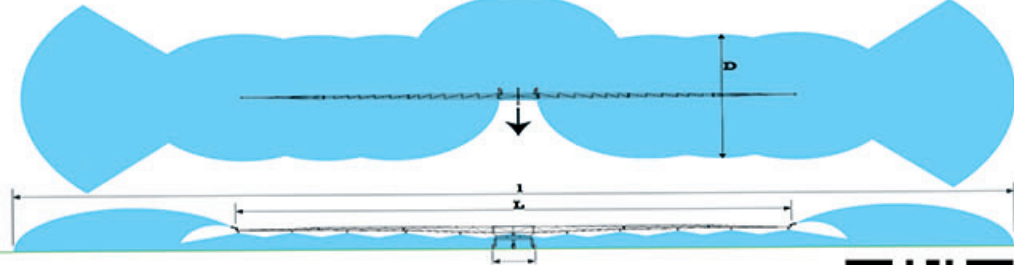
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**High crop version available for R-18, R-24, R-30 boom only



Boom Travel Speeds For Example Flow Rates In Inches/Minute (meters/hour)

Boom Size / Lane	Pressure at Boom in PSI (bar)	Flow Rate in GPM (lpm)	Application Rate in Inches (mm)					
			.3 (7.5)	.4 (10)	.6 (15)	.79 (20)	.98 (25)	1.18 (30)
R18/79' (24m)	30 (2)	70 (265)	59 (90)	45 (68)	30 (45)	22 (34)	18 (28)	14 (22)
18m wide structure with end spray jets		97 (367)	80 (122)	69 (91)	40 (61)	30 (46)	24 (37)	20 (30)
R24/98' (30m)	30 (2)	97 (367)	63 (96)	48 (73)	31 (48)	24 (37)	19 (29)	15.5 (24)
24m wide structure with end spray jets		119 (450)	79 (120)	60 (92)	39 (60)	30 (46)	23 (36)	20 (30)
R30/118' (36m)	30 (2)	119 (450)	67 (102)	50 (76)	33 (51)	25 (38)	20 (30)	16 (25)
30m wide structure with end spray jets		158 (598)	87 (132)	64 (98)	43 (66)	32 (49)	26 (39)	22 (33)
R30/157' (48m)	60 (4)	158 (598)	66 (100)	49 (74)	33 (50)	24 (37)	20 (30)	16 (25)
30m wide structure with end sprinklers		180 (681)	73 (112)	56 (85)	37 (56)	28 (43)	22 (34)	18 (28)
R40/157' (48m)	30 (2)	180 (681)	73 (112)	56 (85)	37 (56)	28 (43)	22 (34)	18 (28)
40m wide structure with end spray jets		207 (784)	84 (128)	64 (97)	42 (64)	31 (48)	26 (39)	21 (32)
R40/200' (61m)	60 (4)	220 (833)	71 (108)	53 (80)	35 (53)	27 (41)	22 (34)	18 (27)
40m wide structure with end sprinklers		240 (908)	77 (117)	58 (88)	39 (59)	29 (44)	24 (37)	20 (30)

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