



**WaterForce four-wheel booms are efficient, tough, reliable and surprisingly versatile. Tried and tested in New Zealand over the last ten years, WaterForce booms are built to perform and have a unique feature – completely self supporting for folding and unfolding with no lifting or carrying required.**

**Versatile** – Ranging in size from 35 metres to 64 metres, WaterForce booms can be operated with almost any make and size of hosereel. They provide optimum irrigation for a wide range of crops - even tall crops such as maize can be irrigated with a boom.

Optional blanking plates with or without end sprinklers allows the boom width to be reduced to avoid awkward obstacles. With an optional raingun fitted there is no such thing as a difficult headland and reducing width for road transportation is easy.

The unique offset hose feed, places the hosereel pipe in the wheeling, alleviating traction problems and minimising crop damage.

**Efficient** – Using a WaterForce boom can reduce water consumption by 20% compared with raingun systems. High flow rates allow faster retraction enabling larger areas to be covered in less time. Controlled droplet size reduces soil damage. Large droplets can also be selected to reduce drift, while fine droplets can be used to minimise damage to very delicate crops. The boom sprinklers will operate at low pressures (0.6 – 4.0 bar (10psi – 60psi) and can apply from 25 to 82 cubic metres per hour. Lower pressure operation helps reduce pumping costs and puts less strain on the pipeline.

### Features and Benefits

- Accurate, uniform application
- Low operating pressure
- Robust construction
- Fully galvanised
- One person can open or fold the boom in just a few minutes
- Irrigator can be operated and towed from either end
- Four-wheel steer gives excellent manoeuvrability and prevents crop damage
- Choice of pressure regulated spray jets, rotators or sprinklers to give optimum droplet size for the type, or stage of crop under production
- Quadrant lock allows boom to be set for angled headlands or to be rotated round obstacles in the field
- Quick and simple connection to the hosereel with a flexible coupling
- Self-levelling allows the boom to remain level with the ground and it can be locked to deal with side slopes
- Ball valve control on all sprinklers/ spray-jet outlets enables sections to be shut off to suit irrigation requirements and allows individual nozzles to be unblocked if necessary

“ After purchasing a WaterForce boom, our diesel consumption has reduced by 63% and wind is no longer an influencing factor.

GERRY STEENKAMER –  
CROP FARMER, HAWKES BAY



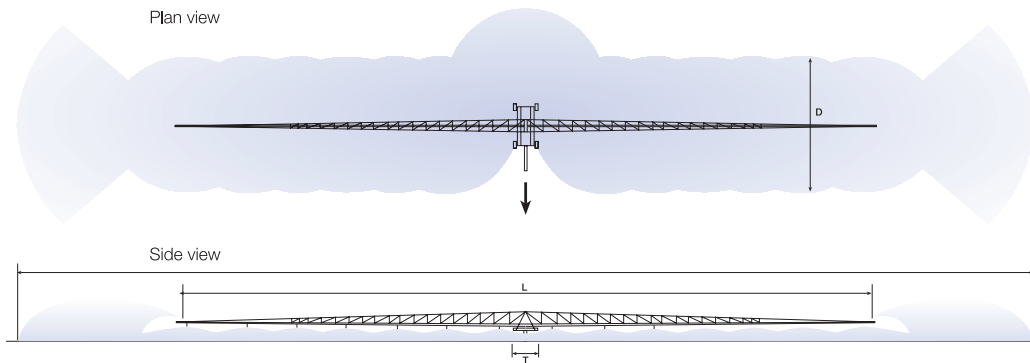
# Four-wheel chassis boom **technical data**

Technical Data			
	R35	R50	R64/2
Boom length (L)	35m	50m	64m
Lane spacing (l)	35 – 55m	50 – 80m	64 – 90m
Band width (D)	10 – 25m		
Flow - m <sup>3</sup> /hr (imp gpm)	22 – 50	22 – 82	22 – 82
Operating pressure	0.6 – 4.0 bar (10 – 60 psi)		
Quantity of outlets	12	16	22
Folded length	7.1m	7.1m	7.2m
Folded width	2.3m	3.5m	3.65m
Wheelbase (T)	3.8m	3.8m	3.8m
Track width	1.5 – 2m		
Weight	1120 kg	1350 kg	1650kg
Turning Circle	7.2m	7.2m	7.2m

Figures are for reference purposes only and are not binding. We reserve the right to alter specifications without prior notice.

## Chart showing travel speeds for example flow rates (m/hr)

Boom size/ lane spacing	Flow m <sup>3</sup> /hr	Application rate (mm)							
		5	10	15	20	25	30	35	40
R35/40m no end sprinklers	<b>25</b>	125	63	42	31	25	21	18	16
	<b>36</b>	180	90	60	45	36	30	26	23
R50/54m no end sprinklers	<b>36</b>	133	67	44	33	27	22	19	17
	<b>44</b>	163	81	54	41	33	27	23	20
R50/80m with end sprinklers	<b>52</b>	130	65	43	33	26	22	19	16
	<b>71</b>	178	89	59	44	36	30	25	22
R64/72m no end sprinklers	<b>49</b>	136	68	45	34	27	23	19	17
	<b>65</b>	181	90	60	45	36	30	26	23
R64/90m with end sprinklers	<b>60</b>	133	67	44	33	27	22	19	17
	<b>82</b>	182	91	61	46	36	30	26	23



**WaterForce**

[www.waterforce.co.nz](http://www.waterforce.co.nz)

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