



by **Rivulis**

HMB50 HOSEREEL MOUNTED BOOM (LANE SPACING 50m TO 72m)



CHART SHOWING LANE SPACING BETWEEN RUNS (M) AND PRESSURE REQUIREMENTS ON THE BOOM (BAR)

Boom Model	End Nozzle Type						
	<i>No nozzle</i>	<i>PCS3030</i>	<i>PCR3030</i>	<i>R65VT</i>	<i>Jumbo teso</i>	<i>K1 teso</i>	<i>Luxor</i>
HMB50	54m *2 bar	58m *2 bar	58m *2 bar	72m *2.5 bar	X	X	X

*The pressure requirement of 2 bar assumes all the standard nozzles are fitted with 1.4 bar pressure regulators.

OFFSET WATERFEED (ASYMETRIC)



STANDARD CENTRE WATERFEED



CHARTS SHOWING MAXIMUM FIELD SLOPE IN PERCENT

BOOMS WITH CENTRAL WATERFEED

	HMB50
Boom Pulling Uphill	3%
Boom Pulling Downhill	2%
Maximum Side Slope	2%

BOOMS WITH OFFSET WATERFEED (ASYMMETRIC)

	HMB50
Boom Pulling Uphill	2%
Boom Pulling Downhill	2%
Maximum Side Slope	1%

FULL TRANSPORT POSITION



CHASSIS WITH CENTRE WATERFEED



BOOM OPTIONS AVAILABLE

BOOM MODEL

	HMB50
NELSON PRESSURE REGULATED S3030 SPRAYJETS	O
NELSON PRESSURE REGULATED R3030 ROTATORS	O
SENNINGER DYNAMIC DRIVE SPRINKLERS	O
OFFSET WATERFEED (ASYMMETRIC)	O
END NOZZLE - PCS3030 OR PCR3030	O
END NOZZLE - NELSON R65VT (OR R65IVT)	O
END NOZZLE - SIME LUXOR	N/A
BLANKING PLATES WITH CHOICE OF NOZZLE	O
IN LINE FILTER - BAUER HK108, OR HK127	O
TURF WHEEL KIT	O
LEVELLING JACK ON OFFSET CHASSIS	O
STOPFIN - SIZES AVAILABLE 90, 100, 110, 120 & 125MM	O

O = optional, N/A = not available

HMB50 BOOM FEATURES

- Up to 72m irrigated width with Nelson R65VT Rotators (2 bar pressure requirement)
- Up to 58m irrigated width with Nelson PCS3030 180° Spinners or PCR3030 180° Rotators (1 - 2 bar pressure requirement depending on regulator pressure)
- Option of 'offset waterfeed' (1.8 to 2.2m track) or 'centre waterfeed' (1.5 to 4.4m track).
- Boom mounted on turntable allowing up to 30 degrees of boom angle. (not full circle)
- Transport bracket kit to remove 3rd and end sections and transport them under the 1st sections.
- Stainless steel (grade 304) 3rd and end sections for good strength to weight ratio.
- Large diameter water tubes for high flow rates and reduced friction loss in the structure.
- Lightweight, strong and easy to fold and unfold.
- Can be moved run to run without folding the boom.

CHART SHOWING BOOM TRAVEL SPEEDS FOR EXAMPLE FLOW RATES (METRES/HOUR)

Boom size / lane spacing in metres (feet)	Pressure on boom in bar (psi)	Flow rate in m ³ /hr	Application rate (mm)					
			7.5	10	15	20	25	30
HMB50 - 58m (190') 50m wide structure with end Nelson PCS or PCR3030	2 (29)	36	*88	66	44	33	26	22
		44	*108	*81	54	40	32	27
		52	*128	*96	64	48	38	32
HMB50 - 72m (236') 50m wide structure with end Nelson R65VT Rotators	2.5 (36)	38	71	53	35	27	21	18
		47	*86	64	43	32	26	21
		55	*101	*76	51	38	30	35
		65	N/A	*91	61	45	36	30

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

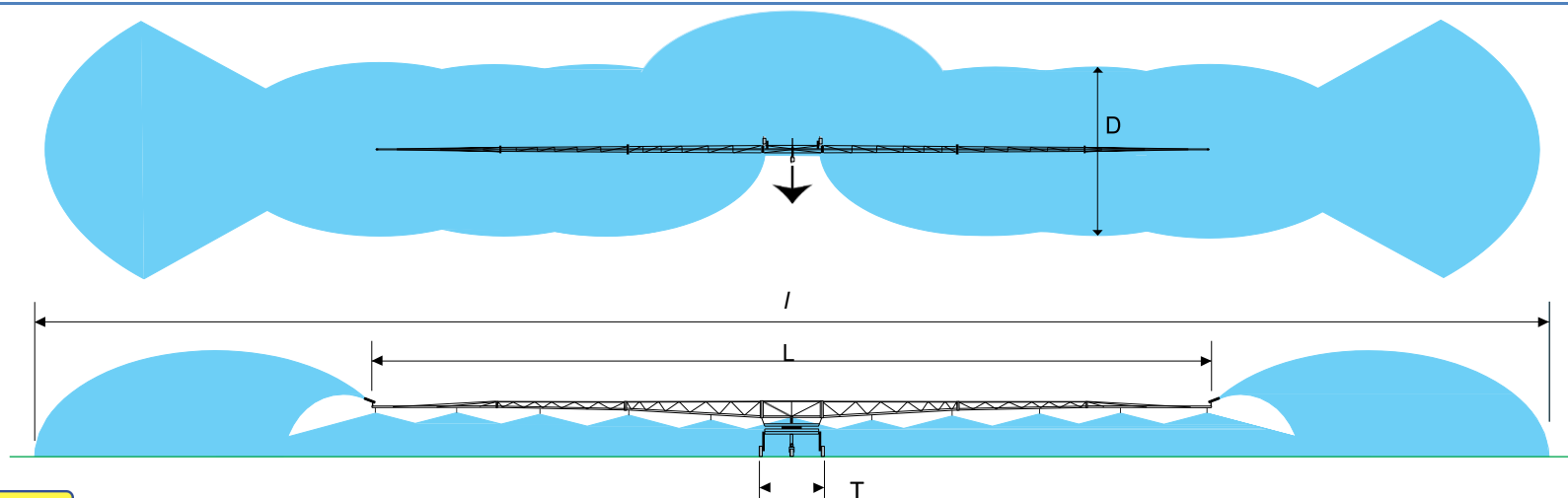
*Always check the hose reel performance to see if high speeds are attainable.

BRIGGS BOOM TECHNICAL DATA FOR HMB50 HOSEREEL MOUNTED BOOMS

	Boom Model
	HMB50
Boom Structural length (L)	50m (164')
Lane spacing (I) with no end nozzle	54m (177')
Lane spacing (I) with end nozzle Nelson PCS or PCR3030	58m (190')
Lane spacing (I) with end nozzle Nelson R65VT or R65IVT	72m (236')
Lane spacing (I) with end nozzle Luxor	N/A
Band width (D) (Nelson S3030/R3030)	12m/15m (39'/49')
Flow range - m ³ /hr	25 - 70
Operating pressure with end PCS or PCR3030 or R65VT	1 – 2.5 bar (15 – 37 psi)
Operating pressure with end sprinkler Luxor	3 – 4 bar (45 – 60 psi)
Quantity of outlets	18 (plus end sprinklers)
Folded length - m (ft)	6.5m (21'5")
Folded width working position with 2.5m centre section– m (ft)	4.45m (14'8")
Transport width with 2.5m centre - m (ft) 3 rd & 4 th section removed	3.8m (12'6")
* Transport width with 2.5m centre - m (ft) 2 nd , 3 rd , 4 th sections removed	3.2m (10'6")
Track width STANDARD CHASSIS – m (inch)	1.5 – 4.2m (60" – 165")
Track width OFFSET (ASYMETRIC) CHASSIS – m (inch)	1.5 – 2.2m (60" – 86")
Height to nozzle in centre of boom –m (inch)	1.5m (60")
Weight with centre pull / offset chassis – kg (imp lb)	785 / 859kg (1731 / 1894lb)

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

* Optional transport kit is required to attain these dimensions



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