



by Rivulis

R52C COMPACT BOOMS - LANE SPACING 35m TO 72m



CHART SHOWING LANE SPACING BETWEEN RUNS (M) AND PRESSURE REQUIREMENTS ON THE BOOM (BAR)							
	<i>End Nozzle Type</i>						
Boom Model	<i>No nozzle</i>	<i>PCS3030</i>	<i>PCR3030</i>	<i>R55VT</i>	<i>Jumbo teso</i>	<i>K1 teso</i>	<i>Luxor</i>
R52C/35	38m *2 bar	44m *2 bar	44m *2 bar	55m *2bar	55m 3 – 3.5 bar	60m 3.5 – 4 bar	60m 3.5 – 4 bar
R52C/40	44m *2 bar	48m *2 bar	48m *2 bar	60m *2bar	60m 3 – 3.5 bar	65m 3.5 – 4 bar	65m 3.5 – 4 bar
R52C/46	50m *2 bar	54m *2 bar	54m *2 bar	66m *2 bar	66m 3 – 3.5 bar	71m 3.5 – 4 bar	71m 3.5 – 4 bar
R52C	56m *2 bar	60m *2 bar	60m *2bar	72m *2bar	X	X	X

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

CHART SHOWING MAXIMUM FIELD SLOPE IN PERCENT				
BOOMS WITH CENTRE WATERFEED				
	R52C	R52C/46	R52C/40	R52C/35
Boom Pulling Uphill	3%	3%	3%	3%
Boom Pulling Downhill	2%	2%	2%	2%
Maximum Side Slope	2%	2%	2%	2%
BOOMS WITH OFFSET (ASYMETRIC) WATERFEED				
	R52C	R52C/46	R52C/40	R52C/35
Boom Pulling Uphill	3%	3%	3%	3%
Boom Pulling Downhill	2%	2%	2%	2%
Maximum Side Slope	2%	2%	2%	2%

BOOM OPTIONS AVAILABLE	BOOM MODEL			
	R52C	R52C/46	R52C/40	R52C/35
NELSON PRESSURE REGULATED S3030 SPRAYJETS	O	O	O	O
NELSON PRESSURE REGULATED R3030 ROTATORS	O	O	O	O
KOMET PRESSURE REGULATED KPT SPRINKLERS	O	O	O	O
OFFSET WATERFEED ONE END OF CHASSIS	O	O	O	O
OFFSET WATERFEED - BOTH ENDS OF CHASSIS	O	O	O	O
END NOZZLE - PCS3030, PCR3030 OR KPT-180	O	O	O	O
END NOZZLE - NELSON R55VT	O	O	O	O
END NOZZLE - SIME K1 TESO	N/A	O	O	O
END NOZZLE - SIME LUXOR	N/A	O	O	O
BLANKING PLATES WITH CHOICE OF NOZZLE	O	O	O	O
IN LINE FILTER - BAUER HK 89 OR HK108	O	O	O	O
MANUAL RAINGUN MOUNTING KIT	O	O	O	O
HYDRAULIC RAISING TOWER - 3.1M CLEARANCE	O	O	O	O
HYDRAULIC ROTATION OF BOOM	O	O	O	O
ELECTROHYDRAULIC OPERATING KIT	O	O	O	O
TURF WHEEL KIT AND TURF DRAWBARS	O	O	O	O
LARGE WHEELS - 11.5/80-15.3	O	O	O	O
STOPFIN - SIZES AVAILABLE 90, 100, 110, 120 & 125MM	O	O	O	O
O = optional, S = standard, N/A = not available				

CHART SHOWING BOOM TRAVEL SPEEDS FOR EXAMPLE FLOW RATES (metres/hour, feet per minute)

Boom size - lane spacing in metres (feet) Irrigation lane spacing Type of end nozzle	Pressure on boom in bar (psi)	Flow rate in m ³ /hr (US gpm)	Application rate – mm / inches				
			10 / 0.39	15 / 0.59	20 / 0.79	25 / 1.0	30 / 1.18
			R52C - 60m (197') 52m wide structure Nelson PCS or PCR3030 or KPT-180	2 (29)	30 (132)	50/164	33/108
41 (180)	*68/223	45/148	34/112		27/89	23/75	
52 (229)	*86/282	58/190	43/141		35/115	29/95	
R52C - 72m (236') 50m wide structure Nelson R55VT 180 degree rotators	2 (29)	41 (180)	57/187	38/125	28/92	23/75	19/62
52 (229)		*72/236	48/157	36/118	29/95	24/79	
65 (286)		*91/299	61/200	45/148	36/118	30/98	
R52C/46 - 54m (177') 46m wide structure Nelson PCS or PCR3030 or KPT-180	2 (29)	30 (132)	56/184	37/121	28/92	22/72	19/62
41 (180)		*76/249	51/167	38/125	30/98	25/82	
52 (229)		*96/315	64/210	48/157	38/125	32/105	
R52C/46 - 66m (216') 46m wide structure Nelson R55VT 180 degree rotators	2 (29)	41 (150)	62/203	41/135	31/102	25/82	21/69
52 (190)		*79/259	52/171	39/128	31/102	26/85	
65 (238)		*99/325	66/217	50/164	40/131	33/108	
R52C/40 - 48m (157') 40m wide structure Nelson PCS or PCR3030 or KPT-180	2 (29)	30 (132)	62/203	42/138	31/102	25/82	21/69
36 (158)		*74/243	49/161	37/121	30/98	25/82	
41 (180)		*85/279	57/190	43/141	34/112	28/92	
R52C/40 - 60m (197') 40m wide structure Nelson R55VT 180 degree rotators	2 (29)	30 (132)	50/164	33/108	25/82	20/66	17/56
41 (180)		*68/223	45/148	34/112	27/89	23/75	
52 (229)		*86/282	58/190	43/141	35/115	29/95	
R52C/35 - 44m (144') 35m wide structure Nelson PCS or PCR3030 or KPT-180	2 (29)	30 (132)	*68/223	45/148	34/112	27/89	23/75
36 (158)		*81/267	54/177	40/131	32/105	27/89	
41 (180)		*93/305	62/203	46/151	37/121	31/102	
R52C/35 - 55m (180') 35m wide structure Nelson R55VT 180 degree rotators	2 (29)	30 (132)	55/180	36/118	27/89	22/72	19/62
41 (180)		*74/243	50/164	37/121	30/98	25/82	
52 (229)		*93/305	62/203	47/154	37/121	32/105	

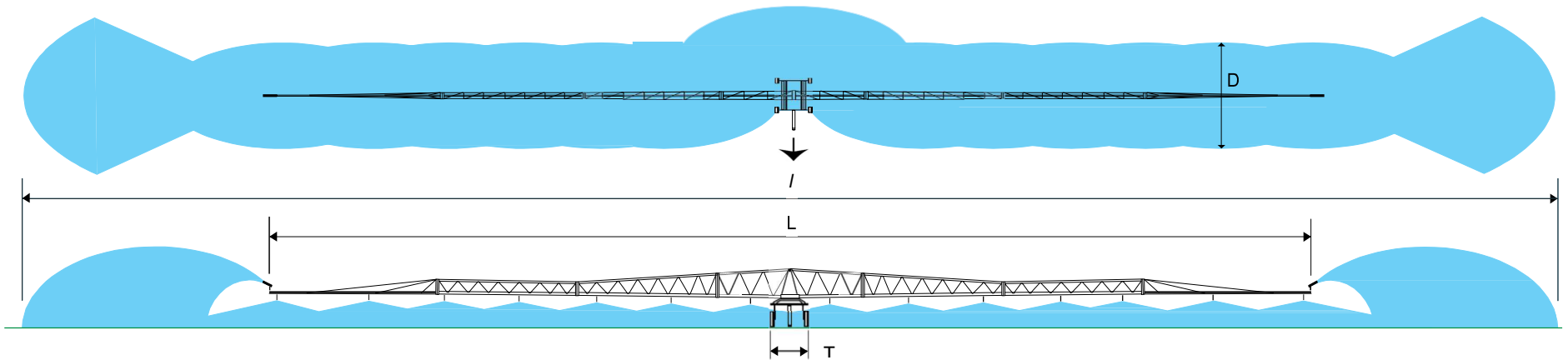
These flow rates are examples only – There are a wide range of flow rates for each model.
*Always check the hosereel performance to see if high speeds are attainable.



BRIGGS BOOM TECHNICAL DATA FOR R52 COMPACT RANGE OF 4 WHEEL CHASSIS BOOMS

	Boom Model			
	R52C	R52C/46	R52C/40	R52C/35
Boom structural length (L)	52m (170')	46m (151')	40m (131')	35m (115')
Lane spacing (I) with no end nozzle	56m (184')	50m (164')	44m (144')	38m (128')
Lane spacing (I) with end nozzle Nelson PCS or PCR3030	60m (197')	54m (177')	48m (157')	44m (141')
Lane spacing (I) with end nozzle Nelson R55VT	72m (236)	66m (216)	60m (197')	55m (180')
Lane spacing (I) with end nozzle K1 or Luxor	N/A	71m (233')	65m (213')	60m (197')
Band width (D) (Nelson S3030/R3030 OR Komet KPT)	12m/15m (39'/49')	12m/15m (39'/49')	12m/15m (39'/49')	12m/15m (39'/49')
Flow - m ³ /hr (US gpm)	22 – 72 (97 – 317)	22 – 72 (97 – 317)	22 – 65 (97 – 286)	22 – 60 (97 – 264)
Operating pressure with end PCS or PCR3030 or R55VT	0.7 – 2 bar (10 – 30 psi)	0.7 – 2 bar (10 – 30 psi)	0.7 – 2 bar (10 – 30 psi)	0.7 – 2 bar (10 – 30 psi)
Operating pressure with end sprinkler K1 or Luxor	N/A	3 – 4 bar (45 – 60 psi)	3 – 4 bar (45 – 60 psi)	3 – 4 bar (45 – 60 psi)
Quantity of outlets	20	18	16	14
Folded length without drawbars – m (ft)	6.2m (20'3")	6.2m (20'3")	6.2m (20'3")	6.2m (20'3")
Folded width without removing boom sections – m (ft)	2.8m (9'6")	2.8m (9'6")	2.8m (9'6")	2.5m (8'6")
Wheelbase – m (ft)	2.9m (12'6")	2.9m (12'6")	2.9m (12'6")	2.9m (12'6")
Track width (T) – m (inch)	1.5 – 3.0m (60" – 120")	1.5 – 3.0m (60" – 120")	1.5 – 3.0m (60" – 120")	1.5 – 3.0m (60" – 120")
Height from ground to nozzle – m (in)	1.5m (60")	1.5m (60")	1.5m (60")	1.5m (60")
Height from ground to top of structure – m (ft)	2.5m (8'2")	2.5m (8'2")	2.5m (8'2")	2.5m (8'2")
Height to top with 3.1m high crop – low / high m (ft)	4.32m/5.14m (14'2"/16'10")	4.32m/5.14m (14'2"/16'10")	4.32m/5.14m (14'2"/16'10")	4.32m/5.14m (14'2"/16'10")
*Weight – kg (imp lb)	*1385 kg (3050lb)	*1370 kg (3015lb)	*1325kg (2915lb)	*1310kg (2880lb)
Turning circle – m (ft)	7.2m (23'6")	7.2m (23'6")	7.2m (23'6")	7.2m (23'6")

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 with Centre Waterfeed on both ends of the chassis.



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