



Rodney Industries

2025



GT022B
63mm x 250m



MACHINE DETAILS &
PERFORMANCE DATA

GT022B

63mm x 250m



**PRESSURE
AT INLET**

3.0 – 12.6
Bar



**FLOW
RATE**

127 – 560
L/M



**WETTED
WIDTH (80%)**

38 – 70
Mtrs

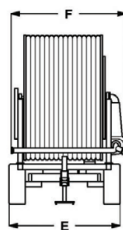
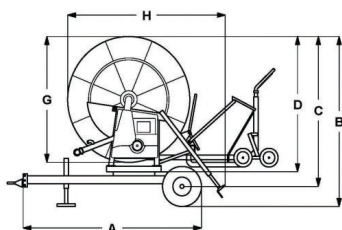


STANDARD EQUIPMENT

- Ma-Rain 26 Kit c/w solar panel and pressure switch
- SIME Hidra Part Circle and nozzles
- Mechanical lifting device trolley
- Hot galvanized chassis and reel
- Telescopic mechanical feet
- Winding handle
- Single speed gearbox
- Safety guards
- Galvanized raingun trolley mounted on variable track wheels
- P.T.O.
- Mechanical lifting device trolley
- Flexible connection pipe 2" x 10m
- Pressure gauge (glycerine bath)
- Turbine flanged on the gearbox with external by-pass
- Water inlet shut off
- Pressure switch
- Water filter



Hidra Part Circle



Weights and Dimensions

SIZE (cm)							
A	B	C	D	E	F	G	H
290	230	200	180	175	170	169	225

Dry Weight 1047 kg

* Please note dimensions and weights are to be used as a guide only.

OPTIONS



Ma-Rain 56 Kit



Nelson P85 Gun



Digital 4.0 Router
option for Ma-Rain 56



Wireless Measuring System
for Ma-Rain 56 computer

Suitable for



Dairy
Farms



Small
Crops



Medium
Crops



FREIGHT INFORMATION

The GT022B requires a forklift for loading and unloading. Any truck size is suitable for transportation.

A close-up photograph of a person's hands and lower legs as they plant a small green seedling into dark, rich soil. The person is wearing khaki pants and dark shoes. The background is a soft-focus field of other seedlings under a warm, golden light, suggesting a sunrise or sunset.

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HOW TO READ A PERFORMANCE CHART



A	B	C	D	E		F	G																								
Noz Size mm	Gun Pres bar	Radius IRR. mt	Wetted Width mtx 80%	Capacity Lt/Min	Lt/h	M3/h	AREA POST. Ha	mm = Application Rate per Irrigated Run																							
								10		15		20		25		30		35		40		50		60							
								Travel Speed / Inlet Pressure																							
								m/h		bar		m/h		bar		m/h		bar		m/h		bar		m/h		bar		m/h		bar	
24	3,0	39	62	623	37,380	37,38	2,80	60	5,1	40	4,9	30	4,8	24	4,8	20	4,7	17	4,7	15	4,6	12	4,6	10	4,6	8	4,5	6	4,5	4	4,5
	4,0	44	70	720	43,200	43,20	3,20	61	6,4	41	6,2	31	6,1	25	6,1	20	6,0	18	6,0	15	5,9	12	5,9	10	5,9	8	5,8	6	5,8	4	5,8
	4,5	46	74	764	45,840	45,84	3,36	62	7,1	42	6,9	31	6,8	25	6,8	21	6,7	18	6,7	16	6,6	12	6,6	10	6,6	8	6,5	6	6,5	4	6,5
	5,0	48	77	806	48,360	48,36	3,52	63	7,7	42	7,5	31	7,4	25	7,4	21	7,3	18	7,3	16	7,2	13	7,2	10	7,2	8	7,1	6	7,1	4	7,1
	5,5	49	78	844	50,640	50,64	3,60	65	8,4	43	8,2	32	8,1	26	8,1	22	8,0	18	8,0	16	7,9	13	7,9	11	7,9	9	7,8	7	7,8	5	7,8
26	3,0	41	66	732	43,920	43,92	2,96	67	5,4	45	5,2	33	5,1	27	5,1	22	5,0	19	5,0	17	4,9	13	4,9	11	4,9	9	4,8	7	4,8	5	4,8
	4,0	46	74	846	50,760	50,76	3,36	69	6,9	46	6,7	34	6,6	28	6,6	23	6,5	20	6,5	17	6,4	14	6,4	11	6,4	9	6,3	7	6,3	5	6,3
	4,5	48	77	898	53,880	53,88	3,52	70	7,6	47	7,4	35	7,3	28	7,3	23	7,2	20	7,2	18	7,1	14	7,1	12	7,1	10	7,0	8	7,0	6	7,0
	5,0	51	82	946	56,760	56,76	3,76	70	8,3	46	8,1	35	8,0	28	8,0	23	7,9	20	7,9	17	7,8	14	7,8	12	7,8	10	7,7	8	7,7	6	7,7
	5,5	52	83	992	59,520	59,52	3,84	72	9,0	48	8,8	36	8,7	29	8,7	24	8,6	20	8,6	18	8,5	14	8,5	12	8,5	10	8,4	8	8,4	6	8,4
28	3,0	44	70	848	50,880	50,88	3,20	72	5,9	48	5,7	36	5,6	29	5,6	24	5,5	21	5,5	18	5,4	14	5,4	12	5,4	10	5,3	8	5,3	6	5,3
	4,0	48	77	981	58,860	58,86	3,52	77	7,4	51	7,2	38	7,1	31	7,1	26	7,0	22	7,0	19	6,9	15	6,9	13	6,9	11	6,8	9	6,8	7	6,8
	4,5	50	80	1040	62,400	62,40	3,68	78	8,2	52	8,0	39	7,9	31	7,9	26	7,8	22	7,8	20	7,7	16	7,7	13	7,7	11	7,6	9	7,6	7	7,6
	5,0	52	83	1096	65,760	65,76	3,84	79	8,9	53	8,7	40	8,6	32	8,6	26	8,5	23	8,5	20	8,4	16	8,4	13	8,4	11	8,3	9	8,3	7	8,3
	5,5	53,5	86	1149	68,940	68,94	3,97	81	9,7	54	9,5	40	9,4	32	9,4	27	9,3	23	9,3	20	9,2	16	9,2	13	9,2	11	9,1	9	9,1	7	9,1
	6,0	55	88	1202	72,120	72,12	4,09	82	10,4	55	10,2	41	10,1	33	10,1	27	10,0	23	10,0	20	9,9	16	9,9	14	9,9	12	9,8	10	9,8	8	9,8
30	3,0	46	74	974	58,440	58,44	3,36	79	6,4	53	6,2	40	6,1	32	6,1	26	6,0	23	6,0	20	5,9	16	5,9	13	5,9	11	5,8	9	5,8	7	5,8
	4,0	50	80	1.127	67,620	67,62	3,68	85	8,1	56	7,9	42	7,8	34	7,8	28	7,7	24	7,7	21	7,6	17	7,6	14	7,6	12	7,5	10	7,5	8	7,5
	4,5	52	83	1.195	71,700	71,70	3,84	86	8,9	57	8,7	43	8,6	34	8,6	29	8,5	25	8,5	22	8,4	17	8,4	14	8,4	12	8,3	10	8,3	8	8,3
	5,0	54	86	1.260	75,600	75,60	4,01	88	9,7	58	9,5	44	9,4	35	9,4	29	9,3	25	9,3	22	9,2	18	9,2	15	9,2	13	9,1	11	9,1	9	9,1
	5,5	56,5	90	1.320	79,200	79,20	4,22	88	10,6	58	10,4	44	10,3	35	10,3	29	10,2	25	10,2	22	10,1	18	10,1	15	10,1	13	10,0	11	10,0	9	10,0

Please note: Performance data is to be used as a guide only

- A:** Nozzle size in the Big Gun
- B:** Pressure at the Big Gun
- C:** Radius that the Big Gun will throw in the perfect conditions
- D:** Wetted width or Lane spacings
- E:** Capacity or Flow through the Irrigator. This is normally the starting point to choose the correct Marani Hard Hose Irrigator.
- F:** Area the Marani will do in one Run with overlap
- G:** Application Rate / Travel Speed / Pressure at Irrigator

Length of run 420m:

Required flow 1000 LPM (column E)
 Required wetted width 80m (column D)
 Required 25mm water per gun (column G)

From this you know that:

4.7 bar is needed at the Gun (B)
 7.9 bar at the machine (G)
 Pressure loss 7.9 - 4.7 = 3.4 bar
 Travel speed 31 meters per hour (G)

After you have got your crop requirements,
 (Transpiration rate) mm to be applied per run, length,
 width area of field you will be able to calculate the
 flow you need.

Data taken from GT060B110420 performance chart



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