



CRAWLER



A labour-saving, self-propelled irrigator, The House of Irrigation's crawler is the result of years of experience, the latest developments in irrigation technology and quality manufacturing. This completely South African manufactured crawler has been designed specifically for the South African farmer. Robust, durable and adaptable to a variety of crops and field conditions, this is an irrigator without equal.

The crawler moves by means of water-driven propulsion, spraying in a characteristically smooth crawling movement, and is the ideal irrigator for a variety of crops. Depending on its spray gun size, a single machine is capable of irrigating up to 20 hectares. The crawler is easy to handle as unskilled labourers can move it from track to track or convey it to another field, and transports easily. The heavy duty construction is galvanised for maximum corrosion protection.

Choice of spray guns

A wide range of spray guns is available to suit a variety of conditions. (See Perrot guns.)

Features

- Adjustable operating speed
- Standard models available with 50mm, 63mm or 75mm hose
- Heavy duty hot dip galvanising for a long operating lifespan
- Simplicity of design ensures reliability and minimal maintenance
- Operates effectively at pressures as low as 2 bar, making it very efficient in terms of energy costs
- Adjustable power range, by number of star arms 2-3-4 or 6
- Immediate star drive shut-off mechanism
- Cable wind-in facility via clutch shaft
- Easy handling



Crawler performance table

Nozzle (mm)	Pressure (kPa)	Quantity (m ² /h)	Wetted ϕ (m)	Lane spacing (m)	Area (ha)	Application (mm/7h run)
14	400	14.7	68	50	1.0	14
16	400	18.3	74	50	1.0	16
18	500	25.0	84	60	1.2	18
20	500	30.4	89	60	1.2	20
22	600	40.6	99	70	1.4	22
24	600	48.0	100	70	1.4	24

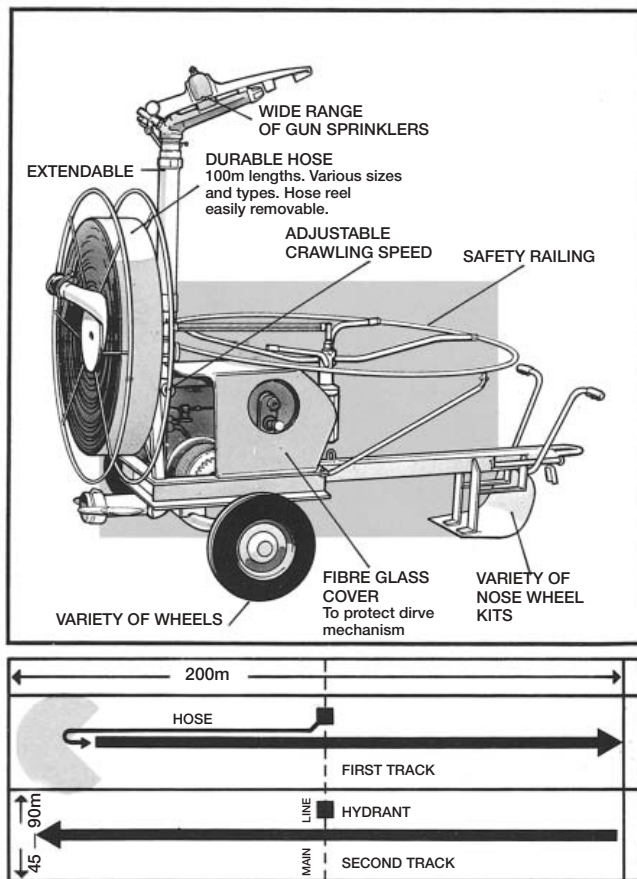
Above based on:

- Perrot gun ZN23
- 200m run / lane length
- 63mm x 100m layflat hose
- Lane spacing may be increased by up to 10% for favourable conditions.

Weight of basic crawler: 250kg

Designer note:

If 20mm per 5-day cycle is required the crawler can cover 15ha provided three runs can be wetted daily.



Spare parts available on order

Optional extras

- Variety of wheels
- Hydraulic switch mechanism for gun shut-off
- Nose wheel kit
- Cable drum brake
- Extension for gun sprinkler mast