



IRRICRUISER MINI



New Generation Turbine Driven Travelling Irrigator



FEATURES:

- Hot dip galvanised and powder-coated chassis & Aluminium frame
- Patented travel shut-off mechanism
- High efficient turbine
- Delivers high torque at low RPMs even towards end of run (0.8 to 1.3 bar pressure loss for operation of the turbine).
- Single speed gear box
- Compact design, easy to use and store
- Hose reel
- Portability
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length 120 m
- Lay Flat Hose : 1 1/4" (32 mm) Premium Drag Hose
- Required water flow : 50 - 120 l/min
- Designed in Australia, made in Turkey



Working Pressure: 30 - 51 psi
Water Flow: 57-117 l/min
Effective Spray Width: 30 - 41 m
Sprinkler: DuCaR Atom 22

APPLICATIONS:

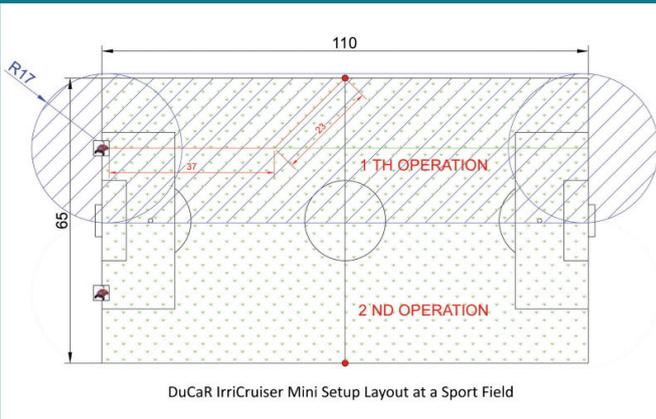
- Agriculture: Small hobby farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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DuCaR IrriCruiser Aluminium Turbine System



- The turbine provides the high torque to pull the DuCaR IrriCruiser & Hose along the cable in tough conditions.
- DuCaR IrriCruiser MINI develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- No Filters required for the turbine drive.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.



Sprinkler Type - Tip aspersor :
Hose Diameter and Length :
Diametrul furtunului si lungimea :
Maximum Run Length :
Lungimea de deplasare a tamburului

DuCaR Atom 22
 Diameter : 32 mm (1 1/4 ") ; Length : 60 metres
 Diámetro : 32 mm (1 1/4 ") ; Largo : 60 metros
 120 metres
 120 metros

| Nozzle Size <i>Dimensión de la Boquilla</i> | Sprinkler Pressure <i>Presión en el Aspesor</i> | | Sprinkler Throw Range <i>Rango de Alcance del Aspersor (m)</i> | % 85 of Throw Diameter of Sprinkler <i>85% del Diámetro de Alcance del Aspersor (m)</i> | Capacity <i>Capacidad</i> | | Irrigated Area <i>Area Irrigada</i> m ² | Lineer Velocity meter/hour <i>Velocidad de la Linea del Irriforce Metros / Hora</i> | Total Pressure Necessity <i>Total de Presión Necesitada</i> | | Turbine Pressure Loss (bar) | mm Rainfall <i>mm Caída de Agua</i> | Total Operation Time for 120 metre run (min) <i>Tiempo total de operación para 120 metro de recorrido (min)</i> |
|--|--|-----|---|--|--|---|--|--|--|-----|-----------------------------|--|--|
| | bar | psi | | | Flow Rate Liter/Min <i>Ratio del Flujo Litros / Min</i> | Flow Rate m ³ / Hour <i>Ratio del Flujo m3 / Hora</i> | | | bar | psi | | | |
| 8 mm | 2 | 29 | 16.5 | 28 | 57 | 3.4 | 3675 | 19 | 3.0 | 44 | 1.0 | 2.8 | 379 |
| | 3 | 44 | 18 | 31 | 68 | 4.1 | 4040 | 40 | 4.2 | 61 | 1.2 | 3.1 | 180 |
| | 4 | 58 | 19 | 32 | 80 | 4.8 | 4285 | 55 | 6.0 | 87 | 2.0 | 3.4 | 131 |
| 8 mm X 4mm | 2 | 29 | 16.5 | 28 | 72 | 4.3 | 3675 | 39 | 3.2 | 46 | 1.2 | 3.6 | 185 |
| | 3 | 44 | 18 | 31 | 87 | 5.2 | 4040 | 60 | 5.0 | 73 | 2.0 | 4.0 | 120 |
| | 4 | 58 | 19 | 32 | 100 | 6 | 4285 | 80 | 7.0 | 102 | 3.0 | 4.3 | 90 |
| 10 mm | 2 | 29 | 17 | 29 | 88 | 5.3 | 3796 | 82 | 4.0 | 58 | 2.0 | 4.3 | 88 |
| | 3 | 44 | 19.5 | 33 | 107 | 6.4 | 4409 | 85 | 6.0 | 87 | 3.0 | 4.5 | 85 |
| | 3.5 | 51 | 20.5 | 35 | 117 | 7 | 4659 | 103 | 7.0 | 102 | 3.5 | 4.6 | 70 |

* PS 1: The table above was prepared with mathematical formulas and data under average working conditions. It is targeted to give general information to the user. Real data can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this Table.

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