

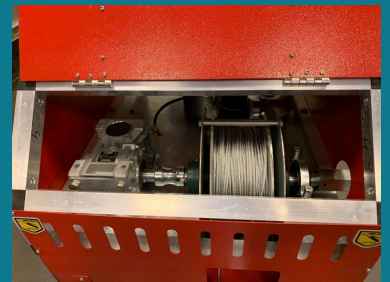


IRRICRUISER MINI PLUS



FEATURES:

- Hot dip galvanised chassis & Aluminium frame
- Patented travel shut-off mechanism
- High efficient turbine
- Single speed gear box
- Speed control valve, precise speed control between 10 m/h and 70 m/h
- Compact design, easy to use and store
- Emergency stop mechanism
- Manually operated separate hose reel, can be hooked up to the machine
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length: 140 m
- Lay Flat Hose : 1.5" 70m Premium Drag Hose
- Designed in Australia, made in Turkey



Working Pressure: 29 - 60 psi
Water Flow: 108 - 310 l/min
Effective Spray Width: 32 - 48 m
Sprinkler: DuCaR Atom 28

APPLICATIONS:

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

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IRRICRUISER MINI PLUS

New Generation 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 PLUS develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- DuCaR IrriCruiser MINI PLUS allows you to adjust a wide range of travel speeds to suit your particular crop water requirements, so you can save a lot of energy.
- The volume of water entering the turbine is controlled by a diverter valve, which when used with the three speed gearbox, provides the DuCaR IrriCruiser with infinite range of travel speeds to suit different crop water requirements.
- The turbine's RPM and travelling speed is read on accurate digital tachometers.
- No Filters required for the turbine drive.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.

IRRICRUISER MINI PLUS TD1500-140 RAINFALL AND VELOCITY RELATIONS TABLE

IRRICRUISER MINI PLUS TD1500-140 CUADRO DE LA RELACIÓN CAÍDA DE AGUA Y VELOCIDAD

Sprinkler Type - Tip aspersor
Hose Diameter and Length : DuCaR Atom 28 Metal (10mm-12mm-14mm nozzles)
 Diameter : 42 mm (1 1/2 ") ; Length : 70 metres
 Diámetro interno y Largo de la Manguera : Diámetro : 42 mm (1 1/2 ") ; Largo : 70 metros
Maximum Run Length : 140 metres
 Largo del Recorrido : 140 Metros

Nozzle Size Dimensión de la Boquilla	Sprinkler Pressure Presión en el Aspersor (Bar) (Psi)		Sprinkler Throw Range Rango de Alcance del Aspersor (m)	% 85 of Throw Diameter of Sprinkler 85% del Diámetro de Alcance del Aspersor (m)	Capacity Capacidad		Irrigated Area Área Irrigada m ²	Turbine Pressure Loss Pérdida de Presión en la Plataforma 1.6			Turbine Pressure Loss Pérdida de Presión en la Plataforma 1.2			Turbine Pressure Loss Pérdida de Presión en la Plataforma 1			Turbine Pressure Loss Pérdida de Presión en la Plataforma 0.8		
					Flow Rate Liter/Min Ratio del Flujo Litros / Min.	Flow Rate m ³ / Hour Ratio del Flujo m ³ / Hora		5 mm Rainfall mm Caída de Agua			10 mm Rainfall mm Caída de Agua			15 mm Rainfall mm Caída de Agua			20 mm Rainfall mm Caída de Agua		
								Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada (Bar) (Psi)		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada (Bar) (Psi)		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada (Bar) (Psi)		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada (Bar) (Psi)	
10 mm 4mm	2	29	19	32	108	6.48	4931	37	3.9	57	18	3.5	51	12	3.3	48	9	3.1	45
	3	44	21	36	130	7.8	5498	40	5	73	20	4.6	67	13	4.4	64	10	4.2	61
	4	58	23	39	151	9.06	6074	42	6.1	88	21	5.7	83	14	5.5	80	10	5.3	77
12 mm 4mm	2	29	21	36	152	9.12	5498	46	4.1	59	23	3.7	54	15	3.5	51	12	3.3	48
	3	44	23	39	182	10.92	6074	50	5.3	77	25	4.9	71	17	4.7	68	13	4.5	65
	4	58	25.5	43	211	12.66	6807	52	6.6	96	26	6.2	90	17	6	87	13	5.8	84
14 mm 4mm	2	29	22	37	195	11.7	5785	57	4.4	64	28	4	58	19	3.8	55	14	3.6	52
	3	44	24	41	239	14.34	6365	63	5.8	84	32	5.4	78	21	5.2	75	16	5	73
	4	58	27	46	277	16.62	7253	64	7.3	106	32	6.9	100	21	6.7	97	16	6.5	94
16 mm With Atom35 Sprinkler	2.5	36	24	41	258	15.48	6365	68	5.5	80	34	5.1	74	23	4.9	71	17	4.7	68
	3	44	26	44	285	17.1	6955	69	6.4	93	34	6	87	23	5.8	84	17	5.6	81
	3.5	51	28	48	310	18.6	7553	69	7.4	107	34	7	102	23	6.8	99	17	6.6	96

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

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