



# IRRICRUISER MIDI 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
- PTO driven integrated hose reel
- Portable
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length: 200 m
- Lay Flat Hose : 2" 100m Premium Drag Hose
- Designed in Australia, made in Turkey



Working Pressure: 45 - 75 psi  
Water Flow: 150 - 500 l/min  
Effective Spray Width: 40 - 70 m  
Sprinkler: DuCaR Jet 50

## APPLICATIONS:

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

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# IRRICRUISER MIDI 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 MIDI PLUS develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- DuCaR IrriCruiser MIDI 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 MIDI PLUS TD2000-200 RAINFALL AND VELOCITY RELATIONS TABLE

IRRICRUISER MIDI PLUS TD2000 - 200 CUADRO DE LA RELACIÓN CAÍDA DE AGUA Y VELOCIDAD

Sprinkler Type - Tip aspersor : DuCaR JET 50  
 Hose Diameter and Length : Diameter : 51 mm ( 2 " ) ; Length : 100 meters  
 Diámetro interno y Largo de la Manguera : Diámetro : 51 mm ( 2 " ) ; Largo : 100 meters  
 Traveller Length : 200 meters  
 Largo del Recorrido : 200 metros

Nozzle Size Dimensión de la Boquilla	Sprinkler Pressure Presión en el Aspersor		Sprinkler Throw Range Rango de Alcance del Aspersor ( m )	% 85 of Throw Diameter of Sprinkler 85% del Diámetro de Alcance del Aspersor ( m )	Capacity		Irrigated Area Area Irrigada m <sup>2</sup>	Turbine Pressure Loss Pérdida de Presión en la Plataforma 1.3		Turbine Pressure Loss Pérdida de Presión en la Plataforma 1.1		Turbine Pressure Loss Pérdida de Presión en la Plataforma 0.8		Turbine Pressure Loss Pérdida de Presión en la Plataforma 0.8		
					CAPACIDAD			10 mm Rainfall mm Caída de Agua		15 mm Rainfall mm Caída de Agua		20 mm Rainfall mm Caída de Agua		25 mm Rainfall mm Caída de Agua		
					Flow Rate Liter/Min Ratio del Flujo Litros / Min.	Flow Rate m <sup>3</sup> / Hour Ratio del Flujo m <sup>3</sup> / Hora		Linear Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada	Linear Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada	Linear Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada	Linear Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada	
12 mm	2	29	24	41	140	8.4	8813	19	3.5	51	13	3.3	48	10	3	44
	3	44	29	49	165	9.9	10814	18	4.5	65	12	4.4	64	9	5.1	74
	4	58	31	53	192	11.5	11630	20	5.6	81	13	5.5	80	10	6.2	90
14 mm	2	29	22	37	195	11.7	8029	29	3.6	52	19	3.6	52	15	3.3	48
	3	44	27	46	239	14.3	10007	29	4.8	70	19	5.1	74	14	4.5	65
	4	58	30	51	277	16.6	11221	30	5.9	86	20	6	87	15	5.7	83
16mm	5	73	33	56	309	18.5	12455	30	7.1	103	20	7.3	106	15	6.2	90
	3	44	30	51	308	18.5	11221	33	5.1	74	22	4.9	71	16	4.6	67
	4	58	34	58	358	21.5	12871	33	6.3	91	22	6.1	88	17	5.8	84
18mm	5	73	35	60	392	23.5	13290	35	7.5	109	24	7.3	106	18	7.0	102
	3	44	32	54	390	23.4	12042	39	5.5	80	26	5.3	77	19	5.0	73
	4	58	35	60	445	26.7	13290	40	6.9	100	27	6.7	97	20	6.4	93
	5	73	38	65	498	29.9	14558	41	8.3	120	27	8.1	117	21	7.8	113

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