

IRRICRUISER MIDI PLUS TD2500-200 RAINFALL AND VELOCITY RELATIONS TABLE

Sprinkler Model : **DuCaR Jet 50**

Sprinkler Quantity : **1**

Hose Inside Diameter and Length 100m of 65mm, (2.5") Premium Quality Drag Hose

							Turbine Pressure Loss (Bar) 1.3	Turbine Pressure Loss (Bar) 1.1	Turbine Pressure Loss (Bar) 0.8	Turbine Pressure Loss (Bar) 0.8	Turbine Pressure Loss (Bar) 0.8					
				Capacity		Irrigated Area	10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall	
Nozzle Size	Sprinkler Pressure	Radius m	%85 of Diameter	Flow Rate Lt/Min	Flow Rate m ³ / Hour	m ²	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar
16mm	3	30	51	308	18.5	11221	36	4.5	24	4.3	18	4.0	15	4.0	12	4.0
	4	34	58	358	21.5	12871	37	5.7	25	5.5	19	5.2	15	5.2	12	5.2
	5	35	60	392	23.5	13290	39	6.7	26	6.5	20	6.2	16	6.2	13	6.2
18mm	3	32	54	390	23.4	12042	43	4.8	29	4.6	22	4.3	17	4.3	14	4.3
	4	35	60	445	26.7	13290	45	5.9	30	5.7	22	5.4	18	5.4	15	5.4
	5	38	65	498	29.9	14558	46	7	31	6.8	23	6.5	19	6.5	15	6.5
20mm	3	35	60	463	27.8	13290	47	4.9	31	4.7	23	4.4	19	4.4	16	4.4
	4	38	65	548	32.9	14558	51	6.2	34	6	25	5.7	20	5.7	17	5.7
	5	42	71	617	37	16281	52	7.4	35	7.2	26	6.9	21	6.9	17	6.9
22mm	3	36	61	567	34	13710	56	5.2	37	5	28	4.7	22	4.7	19	4.7
	4	40	68	680	40.8	15415	60	6.6	40	6.4	30	6.1	24	6.1	20	6.1

* **NOTE :** 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.