IRRIFORCE MINI RAINFALL AND VELOCITY RELATIONS TABLE

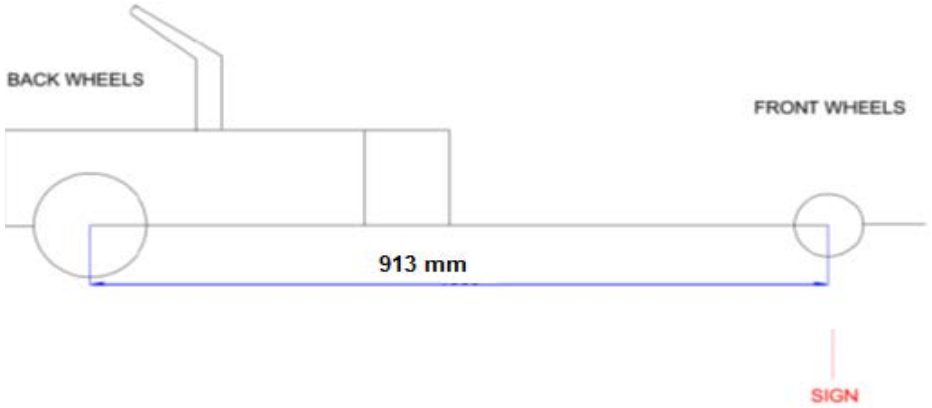
Sprinkler Type : **Yuzuak Atom28** **Sprinkler Pcs :** 1

Hose Diameter and Length : Diameter : 38 mm (1 1/2 ") ; Length : 65 meters

Traveller Length : 130 meters

							Tribune Pressure Lost 1,2			Tribune Pressure Lost 1			Tribune Pressure Lost 0,8			Tribune Pressure Lost 0,8			Tribune Pressure Lost 0,8		
				Capacity		Irrigated Area	10 mm Rainfall			15 mm Rainfall			20 mm Rainfall			25 mm Rainfall			30 mm Rainfall		
Nozzle Size	Sprinkler Pressure (Bar)	Sprinkler Throw Range (m)	% 85 of Throw Diameter of Sprinkler (m)	Flow Rate Liter/Min	Flow Rate m³ / Hour	m²	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)
10 mm	2	19	32	108	6,48	3230	20	3,6	164	13	3,4	245,7	10	3,2	327,7	8	3,2	409,6	7	3,2	491,5
	3	21	36	130	7,8	3570	22	4,7	150	15	4,5	225,7	11	4,3	300,9	9	4,3	376,1	7	4,3	451,3
	4	23	39	151	9,06	3910	23	5,9	142	15	5,7	212,8	12	5,5	283,7	9	5,5	354,6	8	5,5	425,5
12 mm	2	21	36	152	9,12	3570	26	3,9	129	17	3,7	193	13	3,5	257,3	10	3,5	321,7	9	3,5	386
	3	23	39	182	10,92	3910	28	5,1	118	19	4,9	176,5	14	4,7	235,4	11	4,7	294,2	9	4,7	353,1
	4	25,5	43	211	12,66	4335	29	6,4	113	19	6,2	168,8	15	6	225,1	12	6	281,4	10	6	337,6
14 mm	2	22	37	195	11,7	3740	31	4,3	105	21	4,1	157,6	16	3,9	210,1	13	3,9	262,7	10	3,9	315,2
	3	24	41	239	14,34	4080	35	5,8	94	23	5,6	140,3	18	5,4	187	14	5,4	233,8	12	5,4	280,5
	4	27	46	277	16,62	4590	36	7,3	91	24	7,1	136,2	18	6,9	181,5	14	6,9	226,9	12	6,9	272,3

*** 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. Yüzüak Makine does not accept any responsibility according to usage of this Table.



PS 2 : CALCULATION METHOD OF TRAVELLER SPEED (PRACTICALLY)

Sign on the ground in front of the front wheel near the irrigator movement line. Take a watch. When the front wheel center line coinsident the sign, start the watch during the rear wheel center. When the rear wheel center coincident the sign, stop watch and determine the time as second **(Q)**. And compare the **" Q "** Value for find the Lineer Velocity as **meter/hour** on the table.