

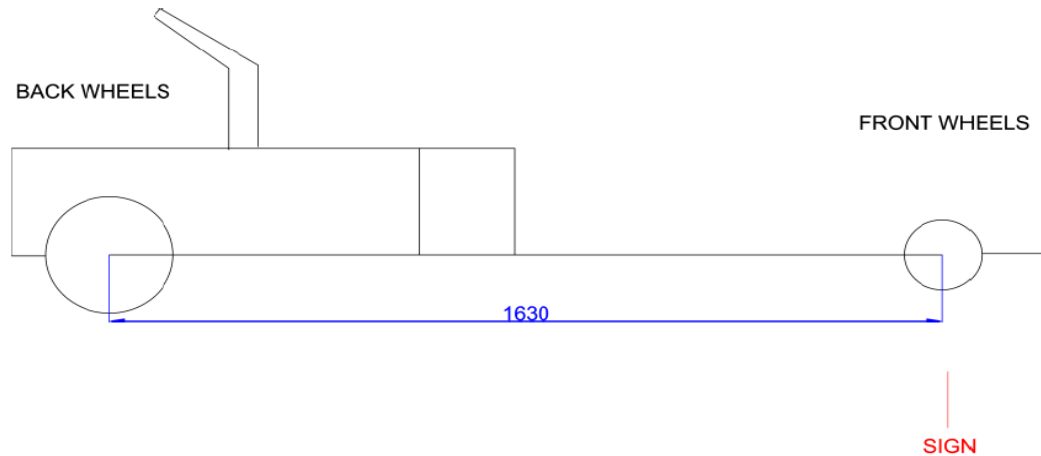
IRRIFORCE MIDI RAINFALL AND VELOCITY RELATIONS TABLE

Sprinkler Type : Yüzüak Jet 40 or Yüzüak Atom 40
Hose Diameter and Length : Diameter : 51 mm (2 ") ; Length : 100 meters
Traveller Length : 200 meters

Sprinkler Pcs : 1

							Tribune Pressure Lost 1,3	Tribune Pressure Lost 1,1			Tribune Pressure Lost 0,8			Tribune Pressure Lost 0,8			Tribune Pressure Lost 0,8				
							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 m ³ / Hour	Capacity Irrigated Area m ²	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity	Q (sec)
12 mm	2	24	41	140	8,4	8813	21	3,5	285	14	3,3	428	10	3	570	8	3	713	7	3	855
	3	29	49	165	9,9	10814	20	4,6	292	13	4,4	438	10	5,1	584	8	5,1	731	7	5,1	877
	4	31	53	192	11,5	11630	22	5,7	269	15	5,5	403	11	6,2	538	9	6,2	672	7	6,2	807
14 mm	2	22	37	195	11,7	8029	31	3,8	188	21	3,6	281	16	3,3	375	13	3,3	469	10	3,3	563
	3	27	46	239	14,3	10007	31	5	188	21	5,1	283	16	4,5	377	12	4,5	471	10	4,5	565
	4	30	51	277	16,6	11221	33	6,2	180	22	6	270	16	5,7	361	13	5,7	451	11	5,7	541
	5	33	56	309	18,5	12455	33	7,4	178	22	7,3	267	16	6,2	356	13	6,2	445	11	6,2	534
16mm	3	30	51	308	18,5	11221	36	4,9	162	24	4,7	243	18	4,4	324	15	4,4	404	12	4,4	485
	4	34	58	358	21,5	12871	37	6	158	25	5,8	237	19	5,5	316	15	5,5	394	12	5,5	473
	5	35	60	392	23,5	13290	39	7,1	149	26	6,9	223	20	6,6	297	16	6,6	371	13	6,6	446
18mm	3	32	54	390	23,4	12042	43	5,1	136	29	4,9	205	22	4,6	273	17	4,6	341	14	4,6	409
	4	35	60	445	26,7	13290	45	6,4	131	30	6,2	196	22	5,9	262	18	5,9	327	15	5,9	392
	5	38	65	498	29,9	14558	60	7,5	98	31	7,3	190	23	7,0	254	19	7,0	317	15	7,0	380

* **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 coincident 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.