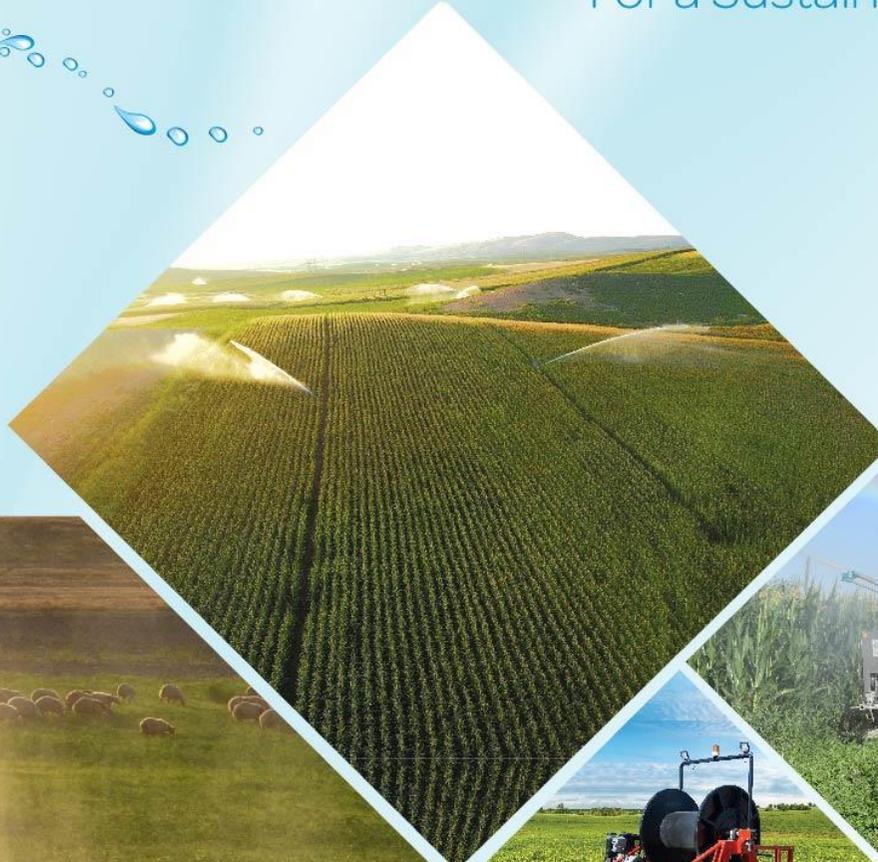


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IRRIFORCE CATALOG



Irriforce es una máquina de riego que está diseñada para ofrecer Eficiencia Energética. Tanto el uso y el coste de inversión es mucho más bajo que sus competidores. Podemos decir que Irriforce es una pistola de riego autopropulsada. Gracias a la turbina de agua y la cuerda de acero, la máquina realiza el riego de manera autopropulsada.

Irriforce puede utilizarse en cualquier terreno donde se requiera riego como pueden ser el riego de los productos agrícolas, todo tipo de campos de deporte, riego de césped, riego de praderas y así como mejoramiento de los pastos. Irriforce posee unas dimensiones reducidas gracias a su manguera blanda. Dispone de una manguera blanda en lugar de manguera rígida que se utiliza en las máquinas de riego con tambor. Por lo tanto, en lugar de arrastrar en el campo tubos muy pesados, lleva una manguera especial equivalente a  $\frac{1}{4}$  de su propio peso solo. De esta manera, se maximiza la eficiencia energética. Dado que las cargas de mayor peso afectan a la vida útil de la máquina. Además, los costes de almacenamiento y transporte se reducen considerablemente.

Se presenta una diferencia de energía de 5 hp entre el bombeo (bombeo mediante la bomba) de 30 m<sup>3</sup>/hora de agua en 7 bares que el bombeo (bombeo mediante la bomba) en 8 bares. La diferencia de 5 hp de energía significa que consume hasta 1,5 l más de combustible diesel por hora. Suponiendo que Usted realiza 10 horas de riego al día. Esto significa que consume aproximadamente más de 15 l de diesel al día. ¿No preferiría ahorrar estos 15 l de diesel?



Irriforce is an irrigation machine designed for Energy Efficiency. Its cost in terms of both use and investment is lower than those of its rivals. We may call Irriforces as traveling rain gun. Thanks to water turbine and steel rope in it, it irrigates your field by dragging itself.

Irriforces can be used in anywhere irrigation is required; you may conveniently use it for irrigation of any agricultural products, any sport sports grounds, lawn irrigation, meadow irrigation and range improvement. Most important factor making such small dimensions of Irriforces is that it is equipped with soft hose. Instead of hard hose of the drum irrigation machines, soft hose is used here. As at is, it only pulls its special hose equivalent to ¼ of its own weight, instead of dragging tons of pipes in weight. And thus energy efficiency maximizes. Higher weight pulled would also affect service life of your machine. And storage and handling costs are also small.

There is 5-hp energy difference between delivery of water at 30m<sup>3</sup>/hour at 7 bar (pumping) and at 8 bar (pumping). Here 5 hp means spending more diesel up to 1.5 litre. Assuming that you perform irrigation 10 hour a day, this means 15 litres of diesel spent more daily in average. Would you not prefer keeping TRY15 in your pocket?

There are different types that can irrigate up to 100 m – 130 m – 200 m -300 m and 400m in length; and we have also diesel and petrol fuelled versions that can work with waste water. You may contact with us for your irrigation requirements of 500 m and 600 m at one time.

Now forget about hard hose drum irrigators in gigantic dimensions. Contact with us quickly to meet with our new generation irrigators; and you also contribute to energy efficiency for the world and to budget as well.

# IRRIFORCE MINI TD1500-130

Maximum Travel Length  
130 Meter – 325 Feet

Water Consumption Interval  
6,5m<sup>3</sup>/h – 17m<sup>3</sup>/h  
30GPM – 75GPM

El Ancho Máximo De Riego  
130 metro -325 pies

Rango De Consumo De Agua  
6,5m<sup>3</sup>/h – 17m<sup>3</sup>/h  
30GPM-75GPM



**GB** Water of minimum 6,5m<sup>3</sup>/hour should be delivered through hydrant at 4 bar. It operates with water of maximum 15m<sup>3</sup>/hour. It has Atom28 irrigation gun on it. Maximum travelling distance is 130 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 170 meters. Maximum irrigation width is 50 meters. It is mostly used for irrigation of sports grounds and small farms. Furthermore, it may also be used for parks, gardens and small agricultural fields. It may be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is 5.5 HP. Hose drum winding manually is on it.

**ESP** Requiere la salida de un mínimo de 6,5m<sup>3</sup>/hora de agua con 4 bares a través del hidrante. Funciona con un máximo de 15m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo Atom28. La distancia de desplazamiento máxima es de 130 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 170 m. El ancho máximo de riego es de 50 m. Ideal para emplear en campos deportivos. Además se puede utilizar en parques, jardines y terrenos agrícolas pequeños. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 5.5 HP. Dispone de una manguera de bobinado manual sobre el tambor.



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# IRRIFORCE MINI TD1500-130

## IRRIFORCE MINI TD1500-130 RAINFALL AND VELOCITY RELATIONS TABLE



**Sprinkler Type** : Yuzuak Atom28  
**Hose Diameter and Length** : Diameter : 38 mm ( 1 1/2 " ) ; Length : 66 meters  
**Travel Length** : 130 meters

Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity		Irrigated Area m <sup>2</sup>	Tribune Pressure Lost 1,2		Tribune Pressure Lost 1		Tribune Pressure Lost 0,8		Tribune Pressure Lost 0,8		Tribune Pressure Lost 0,8	
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour		10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall	
				Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity		Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity	Irriforce Midi Lineer Velocity meter/hour	Total Pressure Neccesity
10 mm	2	19	32	108	6,48	3230	20	3,5	13	3,3	10	3,1	8	3,1	7	3,1
	3	21	36	130	7,8	3570	22	4,7	15	4,5	11	4,3	9	4,3	7	4,3
	4	23	39	151	9,06	3910	23	5,8	15	5,6	12	5,4	9	5,4	8	5,4
12 mm	2	21	36	152	9,12	3570	26	3,8	17	3,6	13	3,4	10	3,4	9	3,4
	3	23	39	182	10,92	3910	28	5,1	19	4,9	14	4,7	11	4,7	9	4,7
	4	25,5	43	211	12,66	4335	29	6,4	19	6,2	15	6	12	6	10	6
14 mm	2	22	37	195	11,7	3740	31	4,3	21	4,1	16	3,9	13	3,9	10	3,9
	3	24	41	239	14,34	4080	35	5,8	23	5,6	18	5,4	14	5,4	12	5,4
	4	27	46	277	16,62	4590	36	7,3	24	7,1	18	6,9	14	6,9	12	6,9

\* 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.

# IRRIFORCE MIDI TD2000-200

Maximum Travel Length  
200 Meter – 656 Feet

Water Consumption Interval  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM – 135GPM

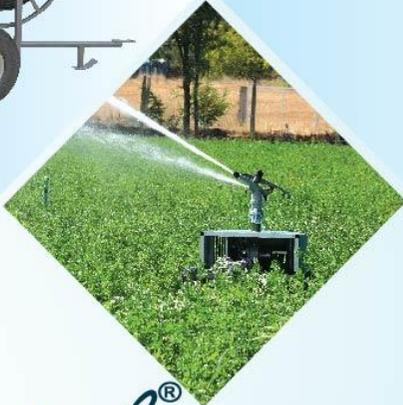
El Ancho Máximo De Riego  
200 metro -656 pies

Rango De Consumo De Agua  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM - 135GPM



**GB** Water of minimum 12m<sup>3</sup>/hour should be delivered through hydrant at 4 bar. It operates with water of maximum 30m<sup>3</sup>/hour. It has JET40 irrigation gun on it. Maximum travelling distance is 200 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 250 meters. Maximum irrigation width is 60 meters. It is mostly preferred by those who want to irrigate agricultural farms, meadows and pasture alfalfa. It may also be used for irrigation of any type of agricultural fields. It may be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, corn, sugar beet, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is 7.5 HP. Pull-type hose drum manually winding also comes with the machine. Hose drum wound by tractor shaft may be obtained optionally.

**ESP** Requiere la salida de un mínimo de 12 m<sup>3</sup>/hora de agua con 4 bares a través del hidrante. Funciona con un máximo de 30 m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo JET40. La distancia de desplazamiento máxima es de 200 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 250 m. El ancho máximo de riego es de 60 m. Ideal para emplear en terrenos agrícolas, prados, alfalfas y pastos. Puede utilizarse en todo tipo de terrenos agrícolas. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, maíz, remolacha azucarera, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 7.5 HP. Dispone de una manguera de bobinado manual sobre el tambor. Opcionalmente, puede adquirirse el tambor de manguera enrollado mediante el eje del tractor.



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# IRRIFORCE MIDI TD 2000-200



## IRRIFORCE MIDI TD2000-200 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  
**Travel Length** : 200 meters

							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
							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 m <sup>3</sup> / Hour	m <sup>2</sup>	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity(bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity(bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity(bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity(bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity(bar)
12 mm	2	24	41	140	8,4	8813	21	3,5	14	3,3	10	3	8	3	7	3
	3	29	49	165	9,9	10814	20	4,5	13	4,4	10	5,1	8	5,1	7	5,1
	4	31	53	192	11,5	11630	22	5,6	15	5,5	11	6,2	9	6,2	7	6,2
14 mm	2	22	37	195	11,7	8029	31	3,6	21	3,6	16	3,3	13	3,3	10	3,3
	3	27	46	239	14,3	10007	31	4,8	21	5,1	16	4,5	12	4,5	10	4,5
	4	30	51	277	16,6	11221	33	5,9	22	6	16	5,7	13	5,7	11	5,7
	5	33	56	309	18,5	12455	33	7,1	22	7,3	16	6,2	13	6,2	11	6,2
16mm	3	30	51	308	18,5	11221	36	5,1	24	4,9	18	4,6	15	4,6	12	4,6
	4	34	58	358	21,5	12871	37	6,3	25	6,1	19	5,8	15	5,8	12	5,8
	5	35	60	392	23,5	13290	39	7,5	26	7,3	20	7,0	16	7,0	13	7,0
18mm	3	32	54	390	23,4	12042	43	5,5	29	5,3	22	5,0	17	5,0	14	5,0
	4	35	60	445	26,7	13290	45	6,9	30	6,7	22	6,4	18	6,4	15	6,4
	5	38	65	498	29,9	14558	60	8,3	31	8,1	23	7,8	19	7,8	15	7,8

\* 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.

# IRRIFORCE MIDI TD2000-300

Maximum Travel Length  
300 Meter – 980 Feet

Water Consumption Interval  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM – 135GPM

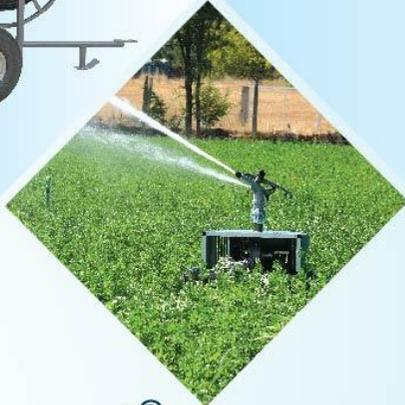
El Ancho Máximo De Riego  
300 metro -980 pies

Rango De Consumo De Agua  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM-135GPM



**GB** Water of minimum 12m<sup>3</sup>/hour should be delivered through hydrant at 4 bar. It operates with water of maximum 30m<sup>3</sup>/hour. It has JET40 irrigation gun on it. Maximum travelling distance is 300 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 350 meters. Maximum irrigation width is 60 meters. It is mostly preferred by those who want to irrigate agricultural farms, meadows and pasture alfalfa. It may also be used for irrigation of any type of agricultural fields. It may also be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, corn, sugar beet, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is 10 HP. Pull-type hose drum manually winding also comes with the machine. Hose drum wound by tractor shaft may be obtained optionally.

**ESP** Requiere la salida de un mínimo de 12 m<sup>3</sup>/hora de agua con 4 bares a través del hidrante. Funciona con un máximo de 30 m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo JET40. La distancia de desplazamiento máxima es de 200 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 350 m. El ancho máximo de riego es de 60 m. Ideal para emplear en terrenos agrícolas, prados, alfalfas y pastos. Puede utilizarse en todo tipo de terrenos agrícolas. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, maíz, remolacha azucarera, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 10 HP. Dispone de una manguera de bobinado manual sobre el tambor. Opcionalmente, puede adquirirse el tambor de manguera enrollado mediante el eje del tractor.



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# IRRIFORCE MIDI TD2000-300



## IRRIFORCE MIDI TD2000-300 RAINFALL AND VELOCITY RELATIONS TABLE

**Sprinkler Type** : Yüzüak Jet 40 or Yüzüak Atom 40  
**Hose Diameter and Length** : Diameter : 51 mm ( 2 " ) ; Length : 150 meters  
**Travel Length** : 300 meters

Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity		Irrigated Area m <sup>2</sup>	Tribune Pressure Lost(Bar) 1,3		Tribune Pressure Lost(Bar) 1,1		Tribune Pressure Lost(Bar) 0,8		Tribune Pressure Lost(Bar) 0,8		Tribune Pressure Lost(Bar) 0,8	
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour		10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall	
							Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)
12 mm	2	24	41	140	8,4	8813	21	3,6	14	3,3	10	3	8	3	7	3
	3	29	49	165	9,9	10814	20	4,7	13	4,4	10	5,1	8	5,1	7	5,1
	4	31	53	192	11,5	11630	22	5,9	15	5,5	11	6,2	9	6,2	7	6,2
14 mm	2	22	37	195	11,7	8029	31	3,9	21	3,6	16	3,3	13	3,3	10	3,3
	3	27	46	239	14,3	10007	31	5,2	21	5,1	16	4,5	12	4,5	10	4,5
	4	30	51	277	16,6	11221	33	6,3	22	6	16	5,7	13	5,7	11	5,7
16mm	3	30	51	308	18,5	11221	36	5,5	24	5,3	18	5,0	15	5,0	12	5,0
	4	34	58	358	21,5	12871	37	6,9	25	6,7	19	6,4	15	6,4	12	6,4
	3	32	54	390	23,4	12042	43	6,2	29	6	22	5,7	17	5,7	14	5,7
18mm	4	35	60	445	26,7	13290	45	7,8	30	7,6	22	7,3	18	7,3	15	7,3

\* **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.

# IRRIFORCE MICO TD2000-300

Maximum Travel Length  
300 Meter – 980 Feet

Water Consumption Interval  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM – 135GPM

El Ancho Máximo De Riego  
300 metro -980 pies

Rango De Consumo De Agua  
8,5m<sup>3</sup>/h – 30m<sup>3</sup>/h  
38GPM-135GPM



**GB** Water of minimum 12m<sup>3</sup>/hour should be delivered through hydrant at 4 bar. It operates with water of maximum 30m<sup>3</sup>/hour. It has JET50 irrigation gun on it. Maximum travelling distance is 300 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 350 meters. Maximum irrigation width is 60 meters. It is mostly preferred by those who want to irrigate agricultural farms, meadows and pasture alfalfa. It may also be used for irrigation of any type of agricultural fields. It may also be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, corn, sugar beet, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is 10 HP. Pull-type hose drum manually winding also comes with the machine. Hose drum wound by tractor shaft may be obtained optionally.

**ESP** Requiere la salida de un mínimo de 12 m<sup>3</sup>/hora de agua con 4 bares a través del hidrante. Funciona con un máximo de 30 m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo JET50. La distancia de desplazamiento máxima es de 200 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 350 m. El ancho máximo de riego es de 60 m. Ideal para emplear en terrenos agrícolas, prados, alfalfas y pastos. Puede utilizarse en todo tipo de terrenos agrícolas. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, maíz, remolacha azucarera, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 10 HP. Dispone de una manguera de bobinado manual sobre el tambor. Opcionalmente, puede adquirirse el tambor de manguera enrollado mediante el eje del tractor.



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# IRRIFORCE MICO TD2000-300

## IRRIFORCE MICO TD2000-300 RAINFALL AND VELOCITY RELATIONS TABLE



**Sprinkler Type** : Yüzüak JET50  
**Hose Diameter and Length** : Diameter : 51 mm ( 2 " ) ; Length : 150 meters  
**Travel Length** : 300 meters

Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity		Irrigated Area m <sup>2</sup>	Tribune Pressure Lost(Bar) 1,3		Tribune Pressure Lost(Bar) 1,1		Tribune Pressure Lost(Bar) 0,8		Tribune Pressure Lost(Bar) 0,8		Tribune Pressure Lost(Bar) 0,8	
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour		10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall	
							Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)	Irriforce Mini Lineer Velocity meter/hour	Total Pressure Neccesity (Bar)
12 mm	2	24	41	140	8,4	8813	21	3,6	14	3,3	10	3	8	3	7	3
	3	29	49	165	9,9	10814	20	4,7	13	4,4	10	5,1	8	5,1	7	5,1
	4	31	53	192	11,5	11630	22	5,9	15	5,5	11	6,2	9	6,2	7	6,2
14 mm	2	22	37	195	11,7	8029	31	3,9	21	3,6	16	3,3	13	3,3	10	3,3
	3	27	46	239	14,3	10007	31	5,2	21	5,1	16	4,5	12	4,5	10	4,5
	4	30	51	277	16,6	11221	33	6,3	22	6	16	5,7	13	5,7	11	5,7
16mm	5	33	56	309	18,5	12455	33	7,5	22	7,3	16	6,2	13	6,2	11	6,2
	3	30	51	308	18,5	11221	36	5,5	24	5,3	18	5,0	15	5,0	12	5,0
18mm	4	34	58	358	21,5	12871	37	6,9	25	6,7	19	6,4	15	6,4	12	6,4
	3	32	54	390	23,4	12042	43	6,2	29	6	22	5,7	17	5,7	14	5,7
18mm	4	35	60	445	26,7	13290	45	7,8	30	7,6	22	7,3	18	7,3	15	7,3

\* 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.

# IRRIFORCE MICO TD2500-200

## IRRIFORCE MICO TD2500-200 RAINFALL AND VELOCITY RELATIONS TABLE



**Sprinkler Type** : Jet 50  
**Hose Inside Diameter and Length:** 65mm (2.5"); Length : 100 meters  
**Travel Length** : 200 meters

Nozzle Size	Sprinkler Pressure	Radius m	%85 of Diameter	Flow Rate L/dak	Flow Rate m <sup>3</sup> / Saat	Capacity Irrigated Area m <sup>2</sup>	Tribune Pressure Lost (Bar) 1,3		Tribune Pressure Lost (Bar) 1,1		Tribune Pressure Lost (Bar) 0,8							
							10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall		40 mm Rainfall	
							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	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	9	3,7
	4	34	58	358	21,5	12871	37	5,7	25	5,5	19	5,2	15	5,2	12	5,2	9	4,9
	5	35	60	392	23,5	13290	39	6,7	26	6,5	20	6,2	16	6,2	13	6,2	10	5,9
18mm	3	32	54	390	23,4	12042	43	4,8	29	4,6	22	4,3	17	4,3	14	4,3	11	4,0
	4	35	60	445	26,7	13290	45	5,9	30	5,7	22	5,4	18	5,4	15	5,4	11	5,1
	5	38	65	498	29,9	14558	46	7	31	6,8	23	6,5	19	6,5	15	6,5	12	6,2
20mm	3	35	60	463	27,8	13290	47	4,9	31	4,7	23	4,4	19	4,4	16	4,4	12	4,1
	4	38	65	548	32,9	14558	51	6,2	34	6	25	5,7	20	5,7	17	5,7	13	5,4
	5	42	71	617	37	16281	52	7,4	35	7,2	26	6,9	21	6,9	17	6,9	13	6,6
22mm	3	36	61	567	34	13710	56	5,2	37	5	28	4,7	22	4,7	19	4,7	14	4,4
	4	40	68	680	40,8	15415	60	6,6	40	6,4	30	6,1	24	6,1	20	6,1	15	5,8
	5	44	75	753	45,2	17156	60	7,8	40	7,6	30	7,3	24	7,3	20	7,3	15	7,0

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

# IRRIFORCE ECO TD2500-400

Maximum Travel Length  
400 Meter - 1310 Feet

Water Consumption Interval  
18m<sup>3</sup>/h - 45m<sup>3</sup>/h  
80GPM - 195 GPM

El Ancho Máximo De Riego  
400 Metro - 1310 Pies

Rango De Consumo De Agua  
18m<sup>3</sup>/h - 45m<sup>3</sup>/h  
80 GPM - 195 GPM



**GB** Water of minimum 18m<sup>3</sup>/hour should be delivered through hydrant at 5 bar. It operates with water of maximum 45m<sup>3</sup>/hour. It has JET55 irrigation gun on it. Maximum travelling distance is 400 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 450 meters. Maximum irrigation width is 85 meter. It is mostly preferred by agricultural farmers and those who desire to irrigate meadows and pasture alfalfa and corn. It may be used for irrigation of any type of agricultural fields. It may also be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, corn, sugar beet, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is progressive 20 HP. Hose drum with planetary gear, allowing winding by means of tractor shaft is standard. Compressor used to discharge the water in the house can be obtained optionally.

**ESP** Requiere la salida de un mínimo de 18m<sup>3</sup>/hora de agua con 5 bares a través del hidrante. Funciona con un máximo de 45m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo JET55. La distancia de desplazamiento máxima es de 400 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 450m. El ancho máximo de riego es de 85 metros. Ideal para emplear en terrenos agrícolas, prados, alfalfas, pastos y maíz. Puede utilizarse en todo tipo de terrenos agrícolas. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, maíz, remolacha azucarera, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 20 HP. Dispone de tambor de manguera con engranaje planetario enrollado mediante el eje del tractor. Cuenta con un compresor de aire para descargar el agua que queda dentro de la manguera.



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# IRRIFORCE TD2500-400 ECO

## IRRIFORCE TD2500 - 400 RAINFALL AND VELOCITY RELATIONS TABLE



Sprinkler Type : Jet 55  
 Hose Inside Diameter and Length: 65mm 2.5" ; Length : 200 meters  
 Travel Length : 400 meters

Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity		Irrigated Area m <sup>2</sup>	Tribune Pressure Lost (Bar) 0,8							
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour		20 mm rainfall		25 mm rainfall		30 mm rainfall		40 mm rainfall	
							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	21421	18	4,4	15	4,4	12	4,4	9	4,1
	4	34	58	358	21,5	24431	19	5,5	15	5,5	12	5,5	9	5,2
	5	35	60	392	23,5	25190	20	6,7	16	6,7	13	6,7	10	6,4
18mm	3	32	54	390	23,4	22922	22	4,7	17	4,7	14	4,7	11	4,4
	4	35	60	445	26,7	25190	22	5,9	18	5,9	15	5,9	11	5,6
	5	38	65	498	29,9	27478	23	7,0	19	7,0	15	7,0	12	6,7
20mm	3	35	60	463	27,8	25190	23	5,0	19	5,0	16	5,0	12	4,7
	4	38	65	548	32,9	27478	25	6,3	20	6,3	17	6,3	13	6,0
	5	42	71	617	37	30561	26	7,8	21	7,8	17	7,8	13	7,5
22mm	3	36	61	567	34	25950	28	5,5	22	5,5	19	5,5	14	5,2
	4	40	68	680	40,8	29015	30	7,3	24	7,3	20	7,3	15	7,0
	5	44	75	753	45,2	32116	30	8,8	24	8,8	20	8,8	15	8,5

\* NOT : 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.

# IRRIFORCE TD2500-300 ECO

## IRRIFORCE TD2500-300 RAINFALL AND VELOCITY RELATIONS TABLE



Sprinkler Type : Jet 55  
 Hose Inside Diameter and Length: 65mm 2.5" ; Length : 150 meters  
 Travel Length : 300 meters

							Tribune Pressure Lost (Bar) 0,8		Tribune Pressure Lost (Bar) 0,8		Tribune Pressure Lost (Bar) 0,8		Tribune Pressure Lost (Bar) 0,8	
							20 mm Rainfall		25 mm Rainfall		30 mm Rainfall		40 mm Rainfall	
Nozzle Size	Sprinkler Pressure	Radius m	%85 of Diameter	Capacity		Irrigated Area m <sup>2</sup>	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
				Flow Rate L/dak	Flow Rate m <sup>3</sup> / Saat									
16mm	3	30	51	308	18,5	11221	18	4,0	15	4,0	12	4,0	9	3,7
	4	34	58	358	21,5	12871	19	5,2	15	5,2	12	5,2	9	4,9
	5	35	60	392	23,5	13290	20	6,2	16	6,2	13	6,2	10	5,9
18mm	3	32	54	390	23,4	12042	22	4,3	17	4,3	14	4,3	11	4,0
	4	35	60	445	26,7	13290	22	5,4	18	5,4	15	5,4	11	5,1
	5	38	65	498	29,9	14558	23	6,5	19	6,5	15	6,5	12	6,2
20mm	3	35	60	463	27,8	13290	23	4,4	19	4,4	16	4,4	12	4,1
	4	38	65	548	32,9	14558	25	5,7	20	5,7	17	5,7	13	5,4
	5	42	71	617	37	16281	26	6,9	21	6,9	17	6,9	13	6,6
22mm	3	36	61	567	34	13710	28	4,7	22	4,7	19	4,7	14	4,4
	4	40	68	680	40,8	15415	30	6,1	24	6,1	20	6,1	15	5,8
	5	44	75	753	45,2	17156	30	7,3	24	7,3	20	7,3	15	7,0

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

# IRRIFORCE TD3000-300 ECO

## IRRIFORCE TD3000 - 300 RAINFALL AND VELOCITY RELATIONS TABLE



Sprinkler Type : Jet 65  
 Hose Inside Diameter and Length: 76 mm 3" ; Length : 150 meters  
 Travel Length : 300 meters

Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity		Irrigated Area m <sup>2</sup>	Tribune Pressure 0,8 Lost (Bar) 20 mm rainfall		Tribune Pressure 0,8 Lost (Bar) 25 mm rainfall		Tribune Pressure 0,8 Lost (Bar) 30 mm rainfall		Tribune Pressure 0,8 Lost (Bar) 40 mm rainfall	
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour		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
				20mm	3		35	60	463	27,8	19240	23	4,2	19
20mm	4	38	65	548	32,9	21018	25	5,4	20	5,4	17	5,4	13	5,1
	5	42	71	617	37	23421	26	6,5	21	6,5	17	6,5	13	6,2
	6	44	75	700	42	24636	28	7,8	22	7,8	19	7,8	14	7,5
22mm	3	36	61	567	34	19830	28	4,4	22	4,4	19	4,4	14	4,1
	4	41	70	680	40,8	22817	29	5,7	23	5,7	20	5,7	15	5,4
	5	44	75	753	45,2	24636	30	6,9	24	6,9	20	6,9	15	6,6
	6	48	82	783	47	27093	29	8,0	23	8,0	19	8,0	14	7,7
24mm	3	38	65	683	41	21018	32	4,7	25	4,7	21	4,7	16	4,4
	4	43	73	800	48	24027	33	6,1	26	6,1	22	6,1	16	5,8
	5	49	83	917	55	27714	33	7,4	26	7,4	22	7,4	17	7,1
	6	54	92	983	59	30848	32	8,6	26	8,6	21	8,6	16	8,3
26mm	4	48	82	850	51	27093	31	6,2	25	6,2	21	6,2	16	5,9
	5	50	85	950	57	28336	34	7,5	27	7,5	22	7,5	17	7,2
	6	53	90	1050	63	30216	35	8,9	28	8,9	23	8,9	17	8,6
28mm	4	49	83	1000	60	27714	36	6,8	29	6,8	24	6,8	18	6,5
	5	53	90	1100	66	30216	37	8,1	29	8,1	24	8,1	18	7,8

\* NOT : 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.

# IRRIFORCE ULTRA TD3000-400

Maximum Travel Length  
400 Meter – 1312 pies

Feet Water Consumption Interval  
28m<sup>3</sup>/h – 65m<sup>3</sup>/h  
123GPM – 290GPM

El Ancho Máximo De Riego  
400 metro -1312 pies

Rango De Consumo De Agua  
28m<sup>3</sup>/h – 65m<sup>3</sup>/h  
123GPM - 290GPM



**GB** Water of minimum 28m<sup>3</sup>/hour should be delivered through hydrant at 5 bar. It operates with water of maximum 65m<sup>3</sup>/hour. It has JET65 irrigation gun on it. Maximum travelling distance is 400 meters. When the irrigation gun revolves one full turn, its effective irrigation distance is maximum 450 meters. Maximum irrigation width is 100 meters. It is mostly preferred by agricultural farmers and those who desire to irrigate meadows and pasture alfalfa and corn. It may be used for irrigation of any type of agricultural fields. It may also be used as washing gun to remove dust and dirt off the plants in the fields of alfalfa, vegetables, corn, sugar beet, sunflower and olive trees where drip irrigation is used and as support irrigation when irrigation by dipping proves to be insufficient. Minimum recommended pumping power is progressive 20 HP. Hose drum with planetary gear, allowing winding by means of tractor shaft is standard. Compressor used to discharge the water in the house can be obtained optionally.

**ESP** Requiere la salida de un mínimo de 28 m<sup>3</sup>/hora de agua con 5 bares a través del hidrante. Funciona con un máximo de 65 m<sup>3</sup>/hora de agua. Dispone de una pistola de riego del modelo JET65. La distancia de desplazamiento máxima es de 400 metros. Cuando la pistola de riego realiza un giro completo, la distancia de riego máxima es de 450 m. El ancho máximo de riego es de 100 m. Ideal para emplear en terrenos agrícolas, prados, alfalfas, pastos y maíz. Puede utilizarse en todo tipo de terrenos agrícolas. Puede utilizarse para eliminar el polvo y la suciedad de las cosechas con riego por goteo como alfalfa, hortalizas, maíz, remolacha azucarera, girasol y olivo y como riego de apoyo cuando el riego por goteo es insuficiente. La potencia mínima de bomba recomendada es de 20 HP. Dispone de tambor de manguera con engranaje planetario enrollado mediante el eje del tractor. Cuenta con un compresor de aire para descargar el agua que queda dentro de la manguera.



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# IRRIFORCE ULTRA TD3000-400

## IRRIFORCE Ultra TD3000-400 RAINFALL AND VELOCITY RELATIONS TABLE

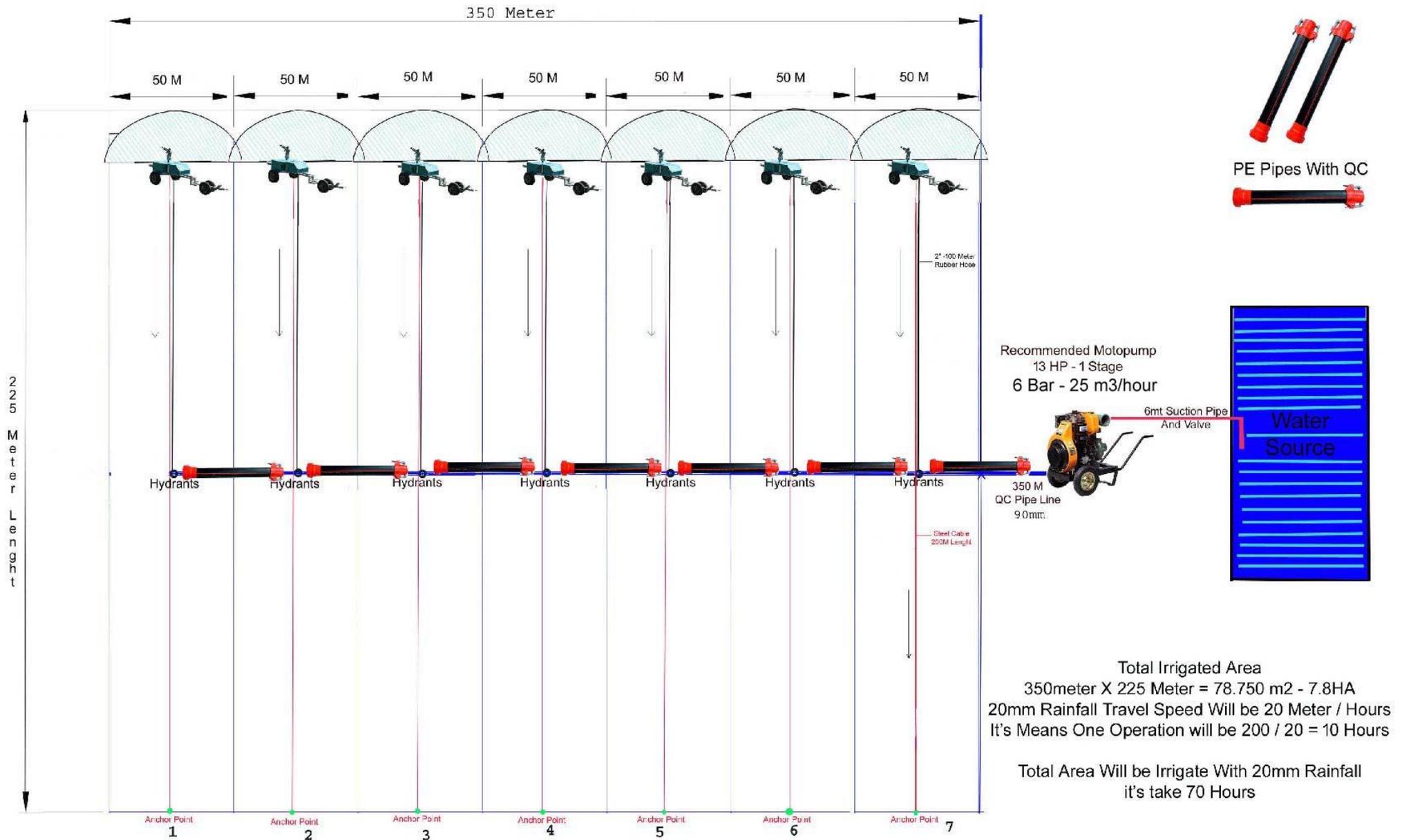


Sprinkler Type : Jet 65  
 Hose Inside Diameter and Length: 76 mm 3" ; Length : 200 meters  
 Travel Length : 400 meters

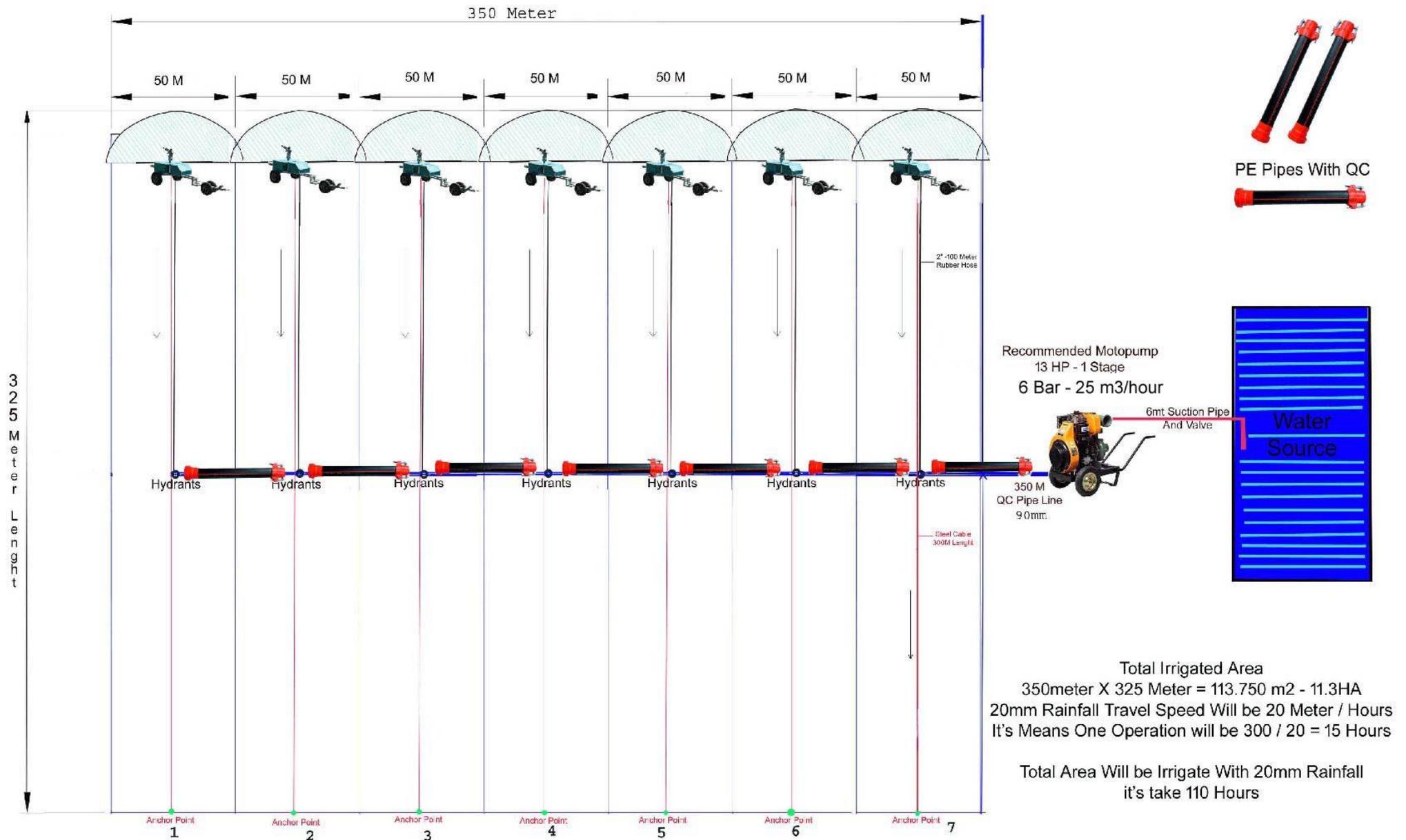
Nozzle Size	Sprinkler Pressure ( Bar )	Sprinkler Throw Range ( m )	% 85 of Throw Diameter of Sprinkler ( m )	Capacity			Tribune Pressure Lost (Bar) 1,3		Tribune Pressure Lost (Bar) 1,1		Tribune Pressure Lost (Bar) 0,8							
				Flow Rate Liter/Min	Flow Rate m <sup>3</sup> / Hour	Irrigated Area m <sup>2</sup>	10 mm rainfall		15 mm rainfall		20 mm rainfall		25 mm rainfall		30 mm rainfall		40 mm rainfall	
							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	Irriforce Lineer Velocity meter/hour	Total Pressure Bar
20mm	3	35	60	463	27,8	25190	47	4,8	31	4,6	23	4,3	19	4,3	16	4,3	12	4,0
	4	38	65	548	32,9	27478	51	6,1	34	5,9	25	5,6	20	5,6	17	5,6	13	5,3
	5	42	71	617	37	30561	52	7,3	35	7,1	26	6,8	21	6,8	17	6,8	13	6,5
	6	44	75	700	42	32116	56	8,6	37	8,4	28	8,1	22	8,1	19	8,1	14	7,8
22mm	3	36	61	567	34	25950	56	5,1	37	4,9	28	4,6	22	4,6	19	4,6	14	4,3
	4	41	70	680	40,8	29787	59	6,5	39	6,3	29	6,0	23	6,0	20	6,0	15	5,7
	5	44	75	753	45,2	32116	60	7,5	40	7,3	30	7,0	24	7,0	20	7,0	15	6,7
	6	48	82	783	47	35253	58	8,7	38	8,5	29	8,2	23	8,2	19	8,2	14	7,9
24mm	3	38	65	683	41	27478	63	5,5	42	5,3	32	5,0	25	5,0	21	5,0	16	4,7
	4	43	73	800	48	31337	66	6,9	44	6,7	33	6,4	26	6,4	22	6,4	16	6,1
	5	49	83	917	55	36044	66	8,3	44	8,1	33	7,8	26	7,8	22	7,8	17	7,5
26mm	4	48	82	850	51	35253	63	7,0	42	6,8	31	6,5	25	6,5	21	6,5	16	6,2
	5	50	85	950	57	36836	67	8,4	45	8,2	34	7,9	27	7,9	22	7,9	17	7,6
28mm	4	49	83	1000	60	36044	72	7,7	48	7,5	36	7,2	29	7,2	24	7,2	18	6,9
	5	53	90	1100	66	39226	73	9,1	49	8,9	37	8,6	29	8,6	24	8,6	18	8,3

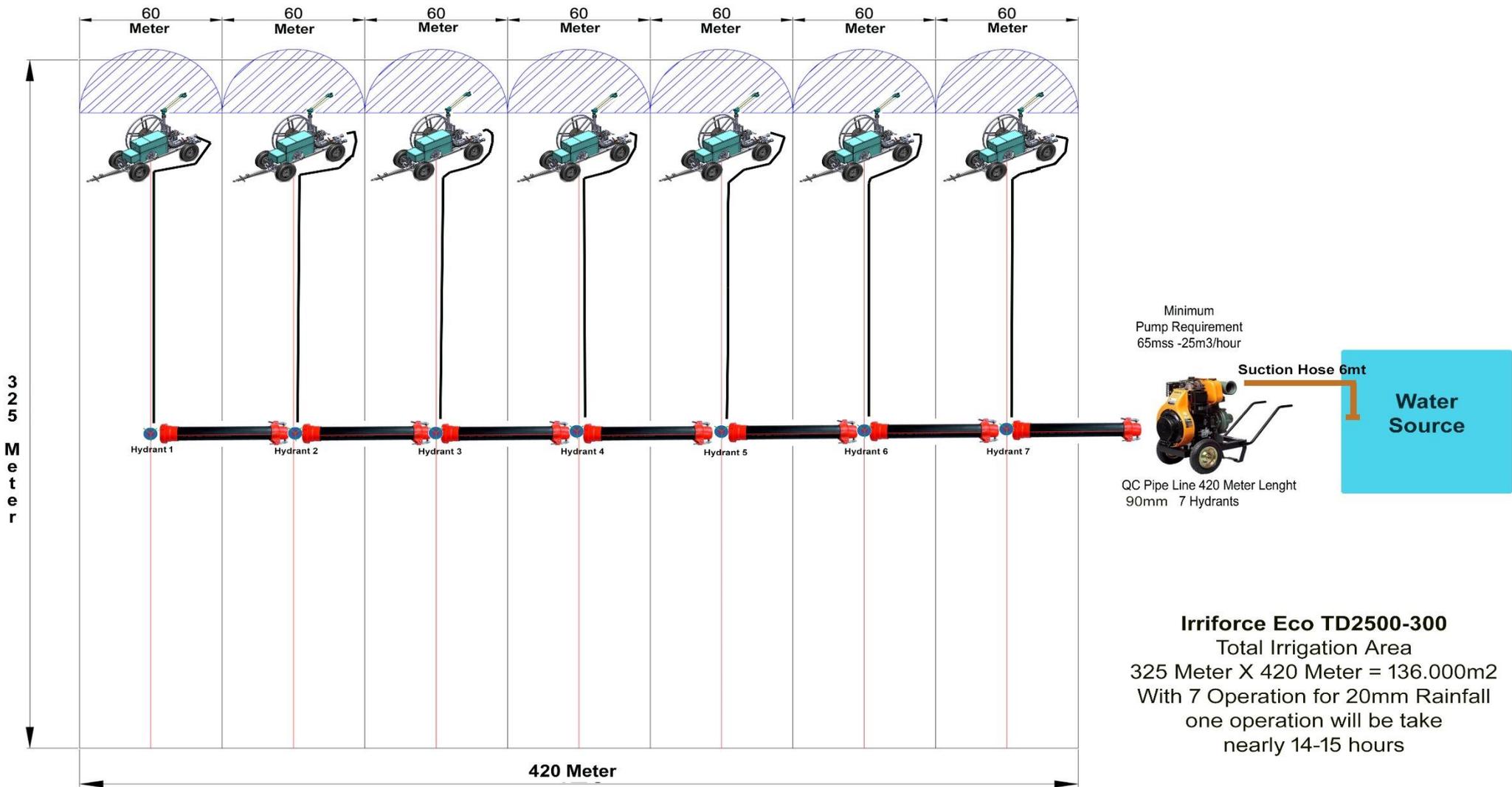
\* NOT : The Table above was prepared with mathematical formulas and datas under average working conditions. It is targeted to give general information to the user. Real datas can be changed during using conditions. Yüzüak Makine does not accept any responsibility according to usage of this Table.

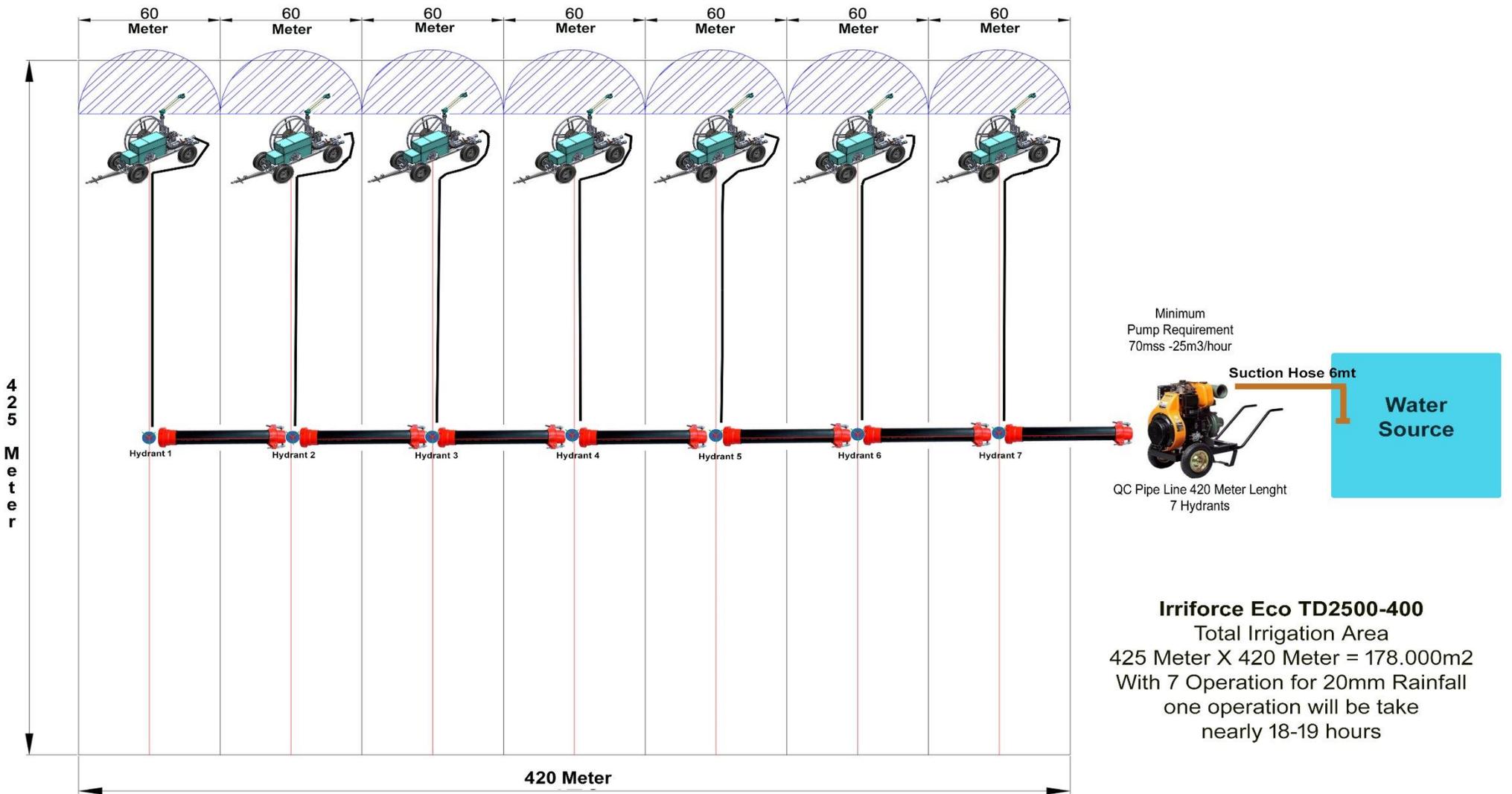
# IRRIFORCE MIDI TD2000-200

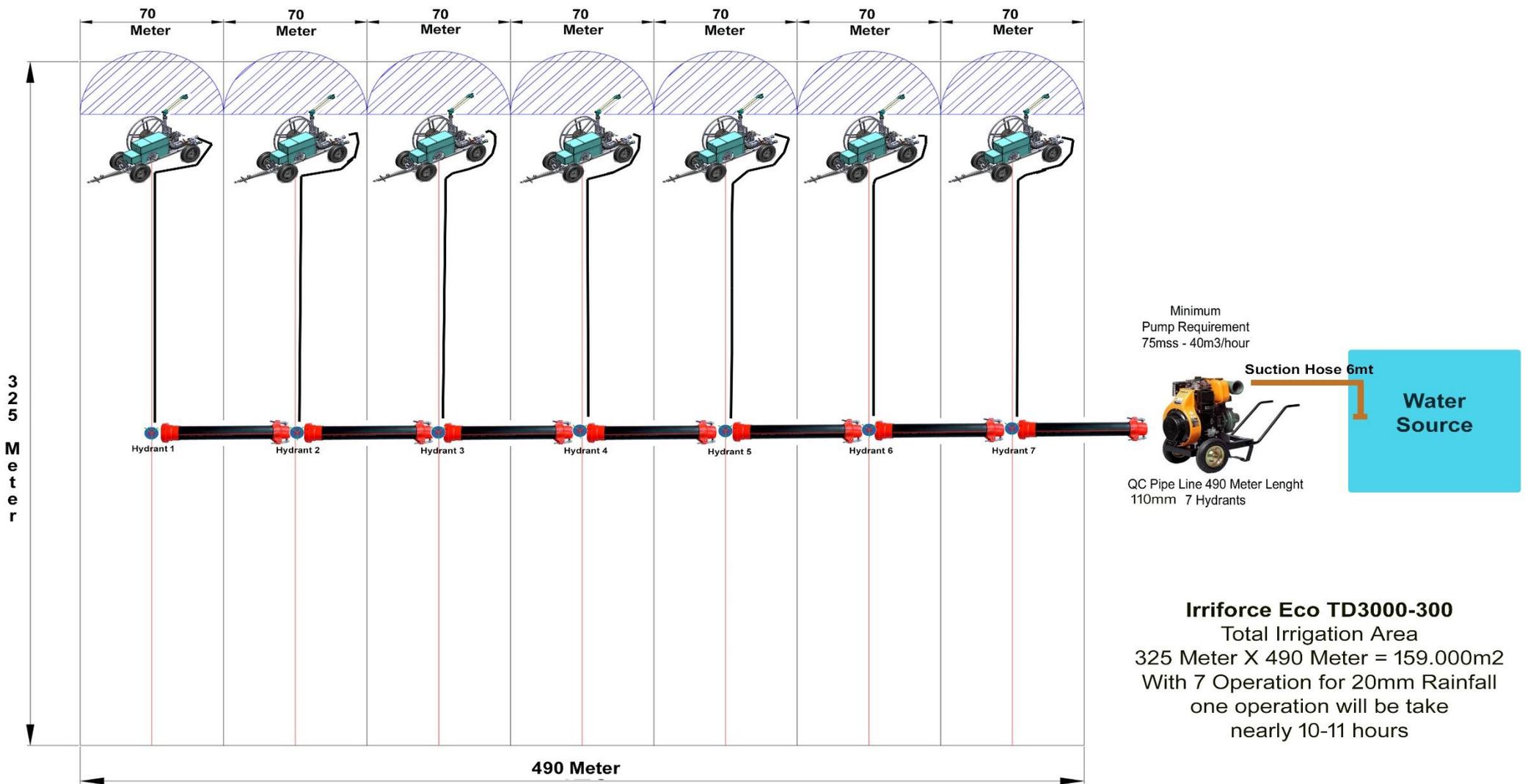


# IRRIFORCE MIDI TD2000-300







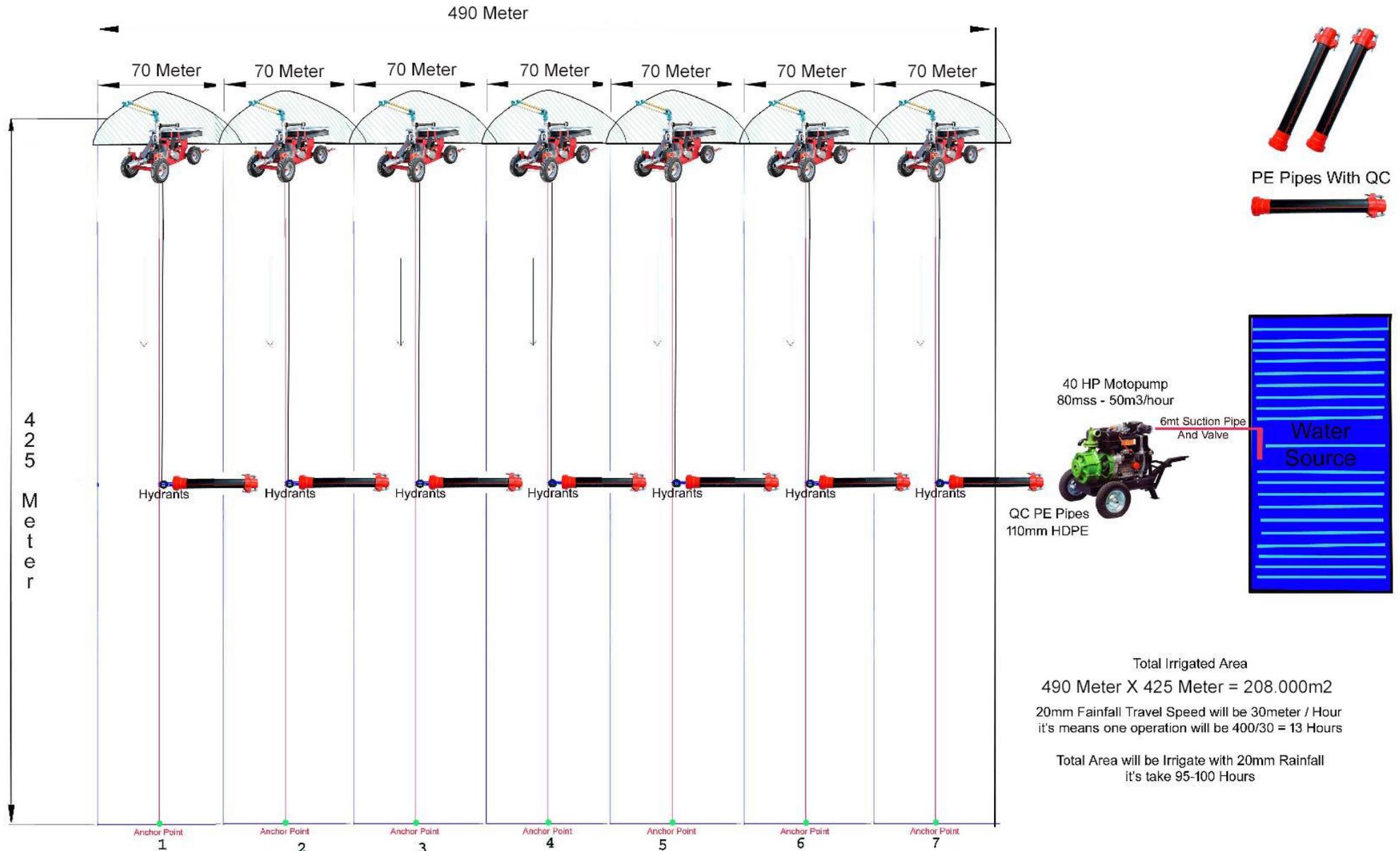


Minimum  
Pump Requirement  
75mss - 40m<sup>3</sup>/hour

QC Pipe Line 490 Meter Length  
110mm 7 Hydrants

**Irriforce Eco TD3000-300**  
 Total Irrigation Area  
 325 Meter X 490 Meter = 159.000m<sup>2</sup>  
 With 7 Operation for 20mm Rainfall  
 one operation will be take  
 nearly 10-11 hours

# IRRIFORCE AULTRA TD3000-400



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