



IrrigationBox

Your online irrigation equipment solution partner



FEATURES:

- Heavy duty design
- Hot dip galvanised chassis
- Travel shut-off mechanism
- High efficient turbine 4-speed Italian made gear box: By adjusting the most efficient turbine rotation and speed, you can save energy.
- Sensitive speed control
- Solar energy powered computer for adjusting the rewinding speed
- Hydraulic rotation of upper frame (360°) with tractor connection
- Hydraulic lift for sprinkler trolley
- Trolley with 3 Rubber Wheels
- Flexible hose Ø80 for water inlet
- Double (two sides) water inlets
- Tyres : 10.0 / 80-12
- Mechanical front brackets
- Joint for PTO drive shaft
- Excellent Water Uniformity
- Long Life & Simple Maintenance : The units are built from long life components and require a minimum of maintenance. Spare parts and backup service available.
- Easy and safe operation
- Very low labour requirement : The Cassella HY-TURB-M can easily be operated by one man and the labour consists mostly of driving a tractor.
- Made in Italy

- **Hose Length: 400 m**
- **Hose Diameter: 110 mm**
- **Hose Thickness: 8.96 mm**
- **Working Pressure: 70 - 100 psi**
- **Water Flow: 650 - 1250 l/min**
- **Effective Spray Width (Diameter): 90 - 100 m**
- **Total Irrigated Area: 450 X 700 m = 315,000 m² (31 Hectare) in 7 days**
- **Sprinkler: DuCaR Green 150**
- **Weight: 3800 kg**
- **Mechanism: 4-Speed Gear Box directly integrated to turbine**
- **Rewind Speed Control: Solar-Powered Hydro Computer 160 or 260**

APPLICATIONS:

- Agriculture: Medium crops, pastures and dairy farms
- Turf Irrigation: Golf, race courses, playing fields and gardens
- Dust Control: Mining and construction sites

CASELLA HY-TURB M 110/400



The Casella Turbine:

This type of machines picks the power necessary to the hose recovery by exploiting the flow of water through a turbine



Hydraulic pump and lifting system for trolley



The gear box is directly connected with turbine and ring gear with ultimate technology in order to provide minimum pressure loss and enhanced performance for the hose reel.



Largest diameters on all major connection pipes to save energy.



Casella Hydro Control 160

Hose re-winding control 5 to 250 m/h. During irrigation the back-lit display shows: irrigator recovery speed in m/h, remaining length to be rewound, remaining time to the end of irrigation.

Solar energy powered rewinding speed control panel

Technical Specifications

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area		Rainfall per hour
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
20	0,78	3	44	34	112	463,3	28	122	3846	0,95	7,2
20	0,78	4	56	38	125	548,33	33	145	4534	1,12	7,3
20	0,78	5	70	42	138	616,7	37	163	5538	1,37	6,7
22	0,86	3	44	37	121	566,7	34	150	4534	1,12	7,5
22	0,86	4	56	40	131	680,0	41	180	5024	1,24	8,1
22	0,86	5	70	44	144	753,3	45	199	6079	1,50	7,4
22	0,86	6	85	47	154	818,3	49	216	6936	1,71	7,1
24	0,94	4	44	43	141	730	43,74	193	5806	1,43	7,5
24	0,94	5	56	49	161	815	48,90	215	7539	1,86	6,5
24	0,94	6	70	52	171	893	53,58	236	8491	2,10	6,3
26	1,02	4	56	49	161	856	51,36	226	7539	1,86	6,8
26	1,02	5	70	50	164	957	57,42	253	7850	1,94	7,3
26	1,02	6	85	54	177	1048	62,88	277	9156	2,26	6,9
28	1,1	4	56	51	167	992	59,52	262	8167	2,02	7,3
28	1,1	5	70	55	180	1109	66,54	293	9499	2,35	7,0
28	1,1	6	85	58	190	1215	72,9	321	10563	2,61	6,9
30	1,18	5	70	56	184	1222	73,32	323	9847	2,43	7,4
30	1,18	6	85	62	203	1393	83,58	368	12070	2,98	6,9
30	1,18	7	100	64	210	1505	90,3	398	12861	3,18	7,0
32	1,25	5	85	62	203	1449	86,94	383	12070	2,98	7,2
32	1,25	6	100	64	210	1587	95,22	419	12861	3,18	7,4
32	1,25	7	100	66	216	1814	108,84	479	13678	3,38	8,0



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