



IrrigationBox

Your online irrigation equipment solution partner



FEATURES:

- Heavy duty design
- Hot dip galvanised chassis
- Travel shut-off mechanism
- Highly 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
- 270° Manual Rotation of Upper Frame
- Hydraulic lifting of the sprinkler trolley
- Trolley with 3 rubber wheels
- Flexible Hose for Water Inlet
- Tyres : 10.0 / 80-12 joint for PTO drive shaft
- Water Flow : 400 - 900 l/min
- Comes with Ducar Jet 50 Sprinkler Head
- 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 Casella HY-TURB-S can easily be operated by one man and the labour consists mostly of driving a tractor.
- Made in Italy

- Hose Length: 320 m
- Hose Diameter: 82 mm
- Hose Thickness: 6.4 mm
- Working Pressure: 70 - 100 psi
- Water Flow: 400 - 900 l/min
- Effective Spray Width (Diameter): 70 - 80 m
- Total Irrigated Area: 340 X 560 m = 190,400 m² (19 Hectare) in 7 days
- Sprinkler: DuCaR JET 50
- Weight: 2100 kg
- Mechanism: 4-Speed Gear Box directly integrated to turbine
- Rewind Speed Control: Solar-Powered Hydro Computer 160

APPLICATIONS:

- Agriculture: Small to medium crops, pastures and dairy farms, small to large acreages
- Turf Irrigation: Golf, race courses, playing fields and gardens
- Dust Control: Mining and construction sites

CASELLA HY-TURB S 82/320



CASELLA Turbine

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

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.



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 rewind, remaining time to the end of irrigation.

Solar energy powered rewinding speed control panel.



DuCaR Jet 50 sprinkler

▶ Hydraulic pump and lifting system for trolley



Technical Specifications of DuCaR JET 50 Sprinkler Head

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
14	0.55	3	44	29	95	246,7	14,8	65	2640	0,65	5,6
14	0.55	4	56	32	105	286,7	17,2	76	3215	0,79	5,3
14	0.55	5	70	34	112	315	18,9	83	3629	0,90	5,2
16	0.62	3	44	30	98	308,3	18,5	81	2826	0,70	6,5
16	0.62	4	56	34	112	358,3	21,5	95	3629	0,90	5,9
16	0.62	5	70	35	115	391,7	23,5	103	3846	0,95	6,1
18	0.70	3	44	32	105	390	23,4	103	3215	0,79	7,3
18	0.70	4	56	35	115	445	26,7	118	3846	0,95	6,9
18	0.70	5	70	38	125	498,3	29,9	132	4534	1,12	6,6
18	0.70	6	85	41	134	553,3	33,2	146	5278	1,30	6,3
20	0.78	3	44	35	115	463,3	27,8	122	3846	0,95	7,2
20	0.78	4	56	38	125	548,3	32,9	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	4	56	40	131	680	40,8	180	5024	1,24	8,1
22	0.86	5	70	44	144	753,3	45,2	199	6079	1,50	7,4
22	0.86	6	85	47	154	818,3	49,1	216	6936	1,71	7,1
24	0.94	5	70	46	151	886,7	53,2	234	6644	1,64	8,0
24	0.94	6	85	48	157	958,3	57,5	253	7234	1,79	7,9
24	0.94	7	100	50	164	1020	61,2	269	7850	1,94	7,8

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