solar-powered reel irrigator

GREENCARE



Leader 40 Solis et Pluvia Ø 40 mm x 120 m

Laeader Solis et Pluvia – Smart Solar-Powered Irrigation
Solar-powered electrical system with 120 meters of 40 mm hose, 24V electric motor, and a programmable control unit with remote control for precise and efficient irrigation.
Solis et Pluvia represents the evolution of sustainable irrigation: an advanced system powered by solar energy and a low-consumption electric motor, ensuring efficiency, precision, and optimized water management.

Key benefits:
Solar-powered, independent from the electrical grid
24V electric motor for efficient and silent operation
Programmable control unit with remote access for smart, intuitive management
Uniform and controlled water distribution to prevent waste
Irrigation speed up to 200 m/h
Fast and repeatable irrigation cycles to maintain ideal soil moisture throughout all growth stages
Reduced soil compaction and runoff, preserving crop quality
Low energy consumption for sustainable, low-impact irrigation

inlet pressure **min - max**	rewind speed **min - max**	wetted area **m2**	machine weight **kg.**	package	gross weight **kg.**	dimensions **cm.**
1,5 - 6 bar	10 - 200 m/h	5000 mq	220	B	260	145x105x150

(* **A** box - **B** box on pallet - **C** pallets and nylon)

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code
LE40120SP



STANDARD EQUIPMENT

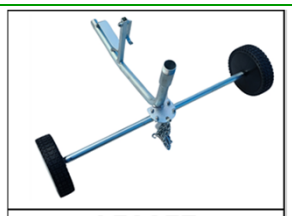
Leader 40 m. 120 Solis et Pluvia min 10 max 200 m/h 24V
(Ø 40 mm PE hose - 120 m lenght)
with:
- electronic control panel
- 24V electric engine
- solar panel
- sprinkler trolley on wheels
- sectorial sprinkler with nozzles 8, 9, 10, 12 mm
- adjustable flow rate and adjustable irrigation speed
- hoseguide
- automatic rolling stop in case of pipe rolling out of drum
- automatic rolling stop at end irrigation
- water passage stopping valve at end irrigation (overpressure)
- automatic sprinkler trolley lifting
- brake for unrolling

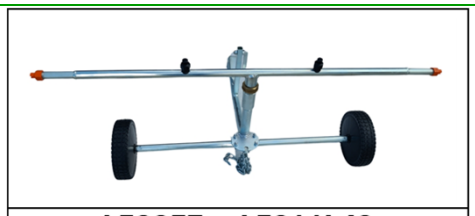
battery excluded

code	accessories on request
LE0010	3 m flexible connection pipe with joints
LE0057	low sprinkler trolley for under trees (on alternative to standard)
LE0011	boom 120 cm - 4 nozzles - sprinkling width 8/10 m
LE0038	boom 8 m in 3 pieces - 6 nozzles - sprinkling width 12/14 m
LE0045	filter 1"1/2 with outlet valve
LE0045C	filter 1"1/2 with outlet valve and quick couplings
LE0060	24V 20ah battery
LE0002	pallet cm. 145x105
LE0006	box with pallet cm. 145x105x150 H

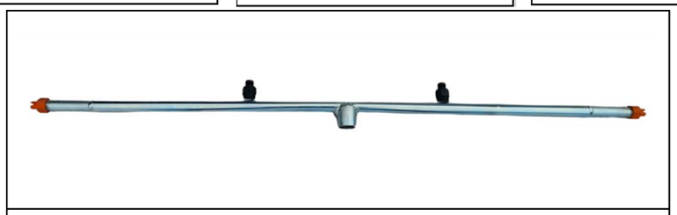

LE0045

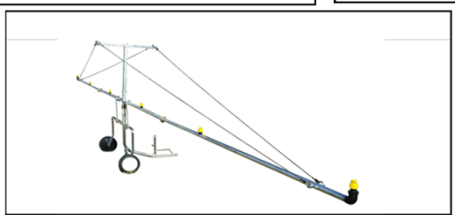

LE0010


LE0057


LE0057 + LE011L40


LE0045C


LE0011L40


LE0038

nozzle diameter	sprinkler pressure	flow		max. wetted width	useful wet width	sprinkling density in mm		
mm.	bar	l/min	m3/h	m	85%	10m/h	100m/h	150m/h
Leader Solis et Pluvia 40/120 m								
8	1,5	49	2,9	31	26	9,5	1,0	0,6
	2,0	57	3,4	34	29	10	1,0	0,7
	3,0	69	4,1	38	32	11	1,1	0,7
9	1,5	62	3,7	33	28	11,3	1,1	0,8
	2,0	71	4,2	35	30	12,2	1,2	0,8
	3,0	87	5,2	39	33	13,4	1,3	0,9
10	1,5	76	4,5	34	29	13,4	1,3	0,9
	2,0	88	5,3	36	31	14,7	1,5	1,0
	3,0	107	6,4	41	35	15,7	1,6	1,0
12	1,5	110	6,6	34	29	19,4	1,9	1,3
	2,0	127	7,6	38	32	20	2,0	1,3
	3,0	155	9,3	42	36	22,1	2,2	1,5