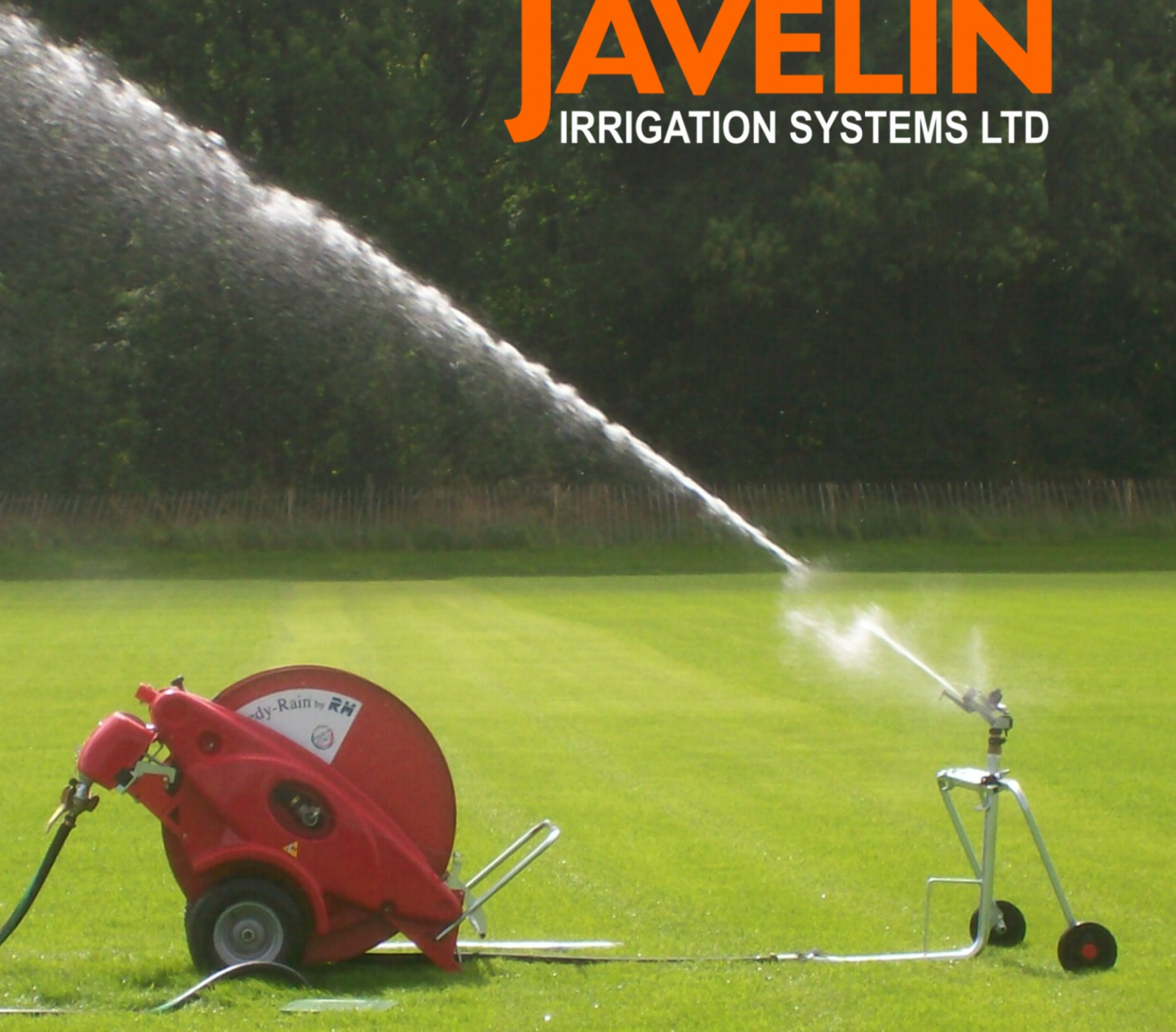


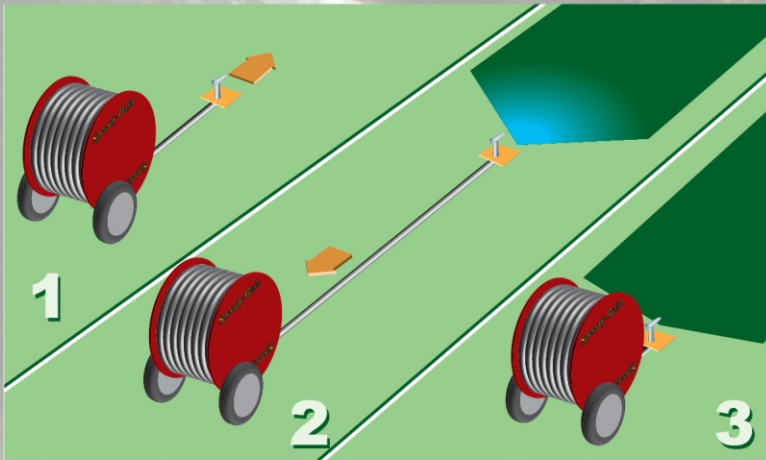
JAVELIN

IRRIGATION SYSTEMS LTD



Speedy Rain 405
40/130

The Speedy Rain 405 turbine driven irrigator rewinds the hose while irrigating - It works with a variable inlet pressure from 4.5 bar minimum to 8 bar maximum - Adjustable rewind speed via butterfly valve on the turbine which allows the speed to be altered to achieve the necessary application of water - Automatic stop mechanism with the aquastop valve which is activated by the sprinkler trolley when it comes into contact with the shut-off bar - Compact dimensions and optimum weight balancing - The drawbar can be hooked onto small utility vehicles - Adjustable sector sprinkler with different nozzle options - Easy and economical maintenance - Hose guide for accurate hose rewinding - Comes with flexible connection hose with 50mm male Bauer couplers for connection to hydrant - Optional 8 metre boom available - Optional third wheel available for greater stability.



How it Works:

1. Manual hose unwinding using utility vehicle.
2. Irrigation with automatic hose rewinding as water flows through the turbine. The turbine rotates the gearbox which operates the drive lever. The brake lever prevents the drum rotating the opposite direction.
3. Automatic shut down at the end of irrigation as the sprinkler trolley comes into contact with the shut-down bar. This triggers the aquastop valve which immediately stops the flow of water.



Hydraulic Data

| Nozzle | Pressure | | Irrigated Strip | | | | Rewinding Speed (metres per hour) | | | | | | |
|------------------------|-------------------------------|-----------|-----------------|--------------------|----------------|-----------|-----------------------------------|------|------|-----|-----|-----|-----|
| | Machine Inlet (after turbine) | Sprinkler | Flow Capacity | Throw Radius | Throw Diameter | Suggested | 10 | 15 | 20 | 25 | 30 | 40 | |
| | | | | | | | Rewinding Time (in Hours) | | | | | | |
| mm | bar | bar | ltr/sec | m ³ /hr | mtr | mtr | 85% | 14.0 | 9.3 | 7.0 | 5.6 | 4.7 | 3.5 |
| NOTES | | | | | | | | | | | | | |
| Water Application (mm) | | | | | | | | | | | | | |
| 8 | 2.4 | 1.5 | 0.82 | 2.94 | 15.5 | 31 | 26.4 | 11.2 | 7.4 | 5.6 | 4.5 | 3.7 | 2.8 |
| | 3 | 2 | 0.95 | 3.42 | 17 | 34 | 28.9 | 11.8 | 7.9 | 5.9 | 4.7 | 3.9 | 3.0 |
| | 5.5 | 4 | 1.33 | 4.8 | 20.5 | 41 | 34.9 | 13.8 | 9.2 | 6.9 | 5.5 | 4.6 | 3.4 |
| 10 | 2.9 | 1.5 | 1.27 | 4.56 | 17 | 34 | 28.9 | 15.8 | 10.5 | 7.9 | 6.3 | 5.3 | 3.9 |
| | 3.7 | 2 | 1.47 | 5.28 | 18 | 36 | 30.6 | 17.3 | 11.5 | 8.6 | 6.9 | 5.8 | 4.3 |
| | 6.6 | 4 | 2.07 | 7.44 | 22 | 44 | 37.4 | 19.9 | 13.3 | 9.9 | 8.0 | 6.6 | 5.0 |

- NOTE**
- The pressure at the machine inlet (before turbine) should be about 1.5 to 2 bar higher than the figure given above. I.E. with 10mm nozzle in sprinkler, and 3.7 bar at the machine, you would need a pump pressure of at least 5.2 bar. We normally recommend a connection pressure after the turbine of between 4 to 4.5 bar. Also, the faster the rewind speed of the hose the more pressure will be lost over the turbine.
 - Maximum pressure at hydrant 8 bar.
 - These figures are for guidance purposes only.

Weights & Dimensions

