

MONSOON

THE COST EFFICIENT IRRIGATORS

Hose Reel Sprinkler Performance Chart

630S/300M

| PE HOSE: O.D. mm | | | FIELD-PIPE LENGTH MT | | | | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | | |
|------------------|-----------------|------------------|----------------------|------------|----------|-----------------------|----------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|---------|----------------|
| 63 | | | 300 | | | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | | | | | | | | | | |
| nozzle diam mm | nozzle pres bar | theoric throw mt | Flow mc/h | Flow l/min | Flow l/s | Pull to pull dist. mt | Irrigated area per pull Ha | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar |
| 10 | 2 | 19.09 | 5 | 89 | 1 | 30.5 | 0.92 | 17 | 2.5 | 9 | 2.7 | 6 | 2.8 | 4 | 3.0 | 3 | 3.2 | 3 | 3.3 | 2 | 3.5 | 2 | 3.7 | 2 | 3.8 | 2 | 4.0 |
| 10 | 2.5 | 21.35 | 6 | 99 | 1.7 | 34.2 | 1.02 | 17 | 3.1 | 9 | 3.2 | 6 | 3.4 | 4 | 3.6 | 3 | 3.7 | 3 | 3.9 | 2 | 4.1 | 2 | 4.2 | 2 | 4.4 | 2 | 4.6 |
| 10 | 3 | 23.38 | 7 | 109 | 1.8 | 37.4 | 1.12 | 17 | 3.7 | 9 | 3.8 | 6 | 4.0 | 4 | 4.2 | 3 | 4.3 | 3 | 4.5 | 2 | 4.7 | 2 | 4.8 | 2 | 5.0 | 2 | 5.2 |
| 10 | 4 | 27.00 | 8 | 125 | 2.1 | 43.2 | 1.30 | 17 | 4.8 | 9 | 5.0 | 6 | 5.1 | 4 | 5.3 | 3 | 5.5 | 3 | 5.6 | 2 | 5.8 | 2 | 6.0 | 2 | 6.1 | 2 | 6.3 |
| 10 | 5 | 30.19 | 8 | 140 | 2.3 | 48.3 | 1.45 | 17 | 6.0 | 9 | 6.1 | 6 | 6.3 | 4 | 6.5 | 3 | 6.6 | 3 | 6.8 | 2 | 7.0 | 2 | 7.1 | 2 | 7.3 | 2 | 7.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 2 | 20.91 | 8 | 128 | 2.1 | 33.5 | 1.00 | 23 | 2.8 | 11 | 3.0 | 8 | 3.2 | 6 | 3.3 | 5 | 3.5 | 4 | 3.7 | 3 | 3.8 | 3 | 4.0 | 3 | 4.2 | 2 | 4.3 |
| 12 | 2.5 | 23.38 | 9 | 143 | 2.4 | 37.4 | 1.12 | 23 | 3.5 | 11 | 3.6 | 8 | 3.8 | 6 | 4.0 | 5 | 4.1 | 4 | 4.3 | 3 | 4.5 | 3 | 4.6 | 3 | 4.8 | 2 | 5.0 |
| 12 | 3 | 25.61 | 9 | 156 | 2.6 | 41.0 | 1.23 | 23 | 4.1 | 11 | 4.3 | 8 | 4.5 | 6 | 4.6 | 5 | 4.8 | 4 | 5.0 | 3 | 5.1 | 3 | 5.3 | 3 | 5.5 | 2 | 5.6 |
| 12 | 4 | 29.58 | 11 | 180 | 3.0 | 47.3 | 1.42 | 23 | 5.4 | 11 | 5.6 | 8 | 5.8 | 6 | 5.9 | 5 | 6.1 | 4 | 6.3 | 3 | 6.4 | 3 | 6.6 | 3 | 6.8 | 2 | 6.9 |
| 12 | 5 | 33.07 | 12 | 202 | 3.4 | 52.9 | 1.59 | 23 | 6.7 | 11 | 6.9 | 8 | 7.0 | 6 | 7.2 | 5 | 7.4 | 4 | 7.5 | 3 | 7.7 | 3 | 7.9 | 3 | 8.0 | 2 | 8.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 2 | 22.59 | 10 | 174 | 2.9 | 36.1 | 1.08 | 29 | 3.3 | 14 | 3.5 | 10 | 3.7 | 7 | 3.8 | 6 | 4.0 | 5 | 4.2 | 4 | 4.3 | 4 | 4.5 | 3 | 4.7 | 3 | 4.8 |
| 14 | 2.5 | 25.26 | 12 | 194 | 3.2 | 40.4 | 1.21 | 29 | 4.1 | 14 | 4.3 | 10 | 4.4 | 7 | 4.6 | 6 | 4.8 | 5 | 4.9 | 4 | 5.1 | 4 | 5.3 | 3 | 5.4 | 3 | 5.6 |
| 14 | 3 | 27.67 | 13 | 213 | 3.5 | 44.3 | 1.33 | 29 | 4.9 | 14 | 5.0 | 10 | 5.2 | 7 | 5.4 | 6 | 5.5 | 5 | 5.7 | 4 | 5.9 | 4 | 6.0 | 3 | 6.2 | 3 | 6.4 |
| 14 | 4 | 31.95 | 15 | 246 | 4.1 | 51.1 | 1.53 | 29 | 6.4 | 14 | 6.6 | 10 | 6.7 | 7 | 6.9 | 6 | 7.1 | 5 | 7.2 | 4 | 7.4 | 4 | 7.6 | 3 | 7.7 | 3 | 7.9 |
| 14 | 5 | 35.72 | 16 | 275 | 4.6 | 57.1 | 1.71 | 29 | 7.9 | 14 | 8.1 | 10 | 8.2 | 7 | 8.4 | 6 | 8.6 | 5 | 8.7 | 4 | 8.9 | 4 | 9.1 | 3 | 9.2 | 3 | 9.4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 2 | 24.15 | 14 | 227 | 3.8 | 38.6 | 1.16 | 35 | 4.1 | 18 | 4.3 | 12 | 4.4 | 9 | 4.6 | 7 | 4.8 | 6 | 4.9 | 5 | 5.1 | 4 | 5.3 | 4 | 5.4 | 4 | 5.6 |
| 16 | 2.5 | 27.00 | 15 | 254 | 4.2 | 43.2 | 1.30 | 35 | 5.0 | 18 | 5.2 | 12 | 5.4 | 9 | 5.5 | 7 | 5.7 | 6 | 5.9 | 5 | 6.0 | 4 | 6.2 | 4 | 6.4 | 4 | 6.5 |
| 16 | 3 | 29.58 | 17 | 278 | 4.6 | 47.3 | 1.42 | 35 | 6.0 | 18 | 6.1 | 12 | 6.3 | 9 | 6.5 | 7 | 6.6 | 6 | 6.8 | 5 | 7.0 | 4 | 7.1 | 4 | 7.3 | 4 | 7.5 |

| PE HOSE: O.D. mm | | | FIELD-PIPE LENGTH MT | | | | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | SPEED MT/H | | | |
|------------------|-----------------|------------------|----------------------|------------|----------|-----------------------|----------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|---------|----------------|
| 63 | | | 300 | | | | | 10 | | 20 | | 30 | | 40 | | 50 | | 60 | | 70 | | 80 | | 90 | | 100 | |
| nozzle diam mm | nozzle pres bar | theoric throw mt | Flow mc/h | Flow l/min | Flow l/s | Pull to pull dist. mt | Irrigated area per pull Ha | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar | rate mm | inlet pres bar |
| 16 | 4 | 34.15 | 19 | 321 | 5.3 | 54.6 | 1.64 | 35 | 7.8 | 18 | 8.0 | 12 | 8.2 | 9 | 8.3 | 7 | 8.5 | 6 | 8.7 | 5 | 8.8 | 4 | 9.0 | 4 | 9.2 | 4 | 9.3 |
| 16 | 5 | 38.18 | 22 | 359 | 6.0 | 61.1 | 1.83 | 35 | 9.7 | 18 | 9.8 | 12 | 10.0 | 9 | 10.2 | 7 | 10.3 | 6 | 10.5 | 5 | 10.7 | 4 | 10.8 | 4 | 11.0 | 4 | 11.2 |