

| 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 | | SPEED MT/H | |
|------------------|-----------------|------------------|----------------------|------------|----------|-----------------------|----------------------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 110 | | | 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 |
| 26 | 2 | 30.78 | 35.9 | 599 | 10 | 49.3 | 1.48 | 73 | 2.9 | 36 | 3.1 | 24 | 3.3 | 18 | 3.4 | 15 | 3.6 | 12 | 3.8 | 10 | 3.9 | 9 | 4.1 | 8 | 4.3 | 7 | 4.4 |
| 26 | 3.0 | 37.70 | 44.0 | 733 | 12.2 | 60.3 | 1.81 | 73 | 4.3 | 36 | 4.5 | 24 | 4.6 | 18 | 4.8 | 15 | 5.0 | 12 | 5.1 | 10 | 5.3 | 9 | 5.5 | 8 | 5.6 | 7 | 5.8 |
| 26 | 4 | 43.54 | 50.8 | 847 | 14.1 | 69.7 | 2.09 | 73 | 5.6 | 36 | 5.8 | 24 | 6.0 | 18 | 6.1 | 15 | 6.3 | 12 | 6.5 | 10 | 6.6 | 9 | 6.8 | 8 | 7.0 | 7 | 7.1 |
| 26 | 5 | 48.67 | 56.8 | 947 | 15.8 | 77.9 | 2.34 | 73 | 7.0 | 36 | 7.1 | 24 | 7.3 | 18 | 7.5 | 15 | 7.6 | 12 | 7.8 | 10 | 8.0 | 9 | 8.1 | 8 | 8.3 | 7 | 8.5 |
| 26 | 6 | 53.32 | 62.2 | 1037 | 17.3 | 85.3 | 2.56 | 73 | 8.3 | 36 | 8.5 | 24 | 8.6 | 18 | 8.8 | 15 | 9.0 | 12 | 9.1 | 10 | 9.3 | 9 | 9.5 | 8 | 9.6 | 7 | 9.8 |
| 28 | 2 | 31.95 | 41.7 | 695 | 11.6 | 51.1 | 1.53 | 82 | 3.2 | 41 | 3.3 | 27 | 3.5 | 20 | 3.7 | 16 | 3.8 | 14 | 4.0 | 12 | 4.2 | 10 | 4.3 | 9 | 4.5 | 8 | 4.7 |
| 28 | 3.0 | 39.13 | 51.0 | 851 | 14.2 | 62.6 | 1.88 | 82 | 4.6 | 41 | 4.8 | 27 | 5.0 | 20 | 5.1 | 16 | 5.3 | 14 | 5.5 | 12 | 5.6 | 10 | 5.8 | 9 | 6.0 | 8 | 6.1 |
| 28 | 4 | 45.18 | 58.9 | 982 | 16.4 | 72.3 | 2.17 | 82 | 6.1 | 41 | 6.3 | 27 | 6.4 | 20 | 6.6 | 16 | 6.8 | 14 | 6.9 | 12 | 7.1 | 10 | 7.3 | 9 | 7.4 | 8 | 7.6 |
| 28 | 5 | 50.51 | 65.9 | 1098 | 18.3 | 80.8 | 2.42 | 82 | 7.5 | 41 | 7.7 | 27 | 7.9 | 20 | 8.0 | 16 | 8.2 | 14 | 8.4 | 12 | 8.5 | 10 | 8.7 | 9 | 8.9 | 8 | 9.0 |
| 28 | 6 | 55.33 | 72.2 | 1203 | 20.0 | 88.5 | 2.66 | 82 | 9.0 | 41 | 9.1 | 27 | 9.3 | 20 | 9.5 | 16 | 9.6 | 14 | 9.8 | 12 | 10.0 | 10 | 10.1 | 9 | 10.3 | 8 | 10.5 |
| 30 | 3 | 40.50 | 58.6 | 977 | 16.3 | 64.8 | 1.94 | 90 | 5.1 | 45 | 5.2 | 30 | 5.4 | 23 | 5.6 | 18 | 5.7 | 15 | 5.9 | 13 | 6.1 | 11 | 6.2 | 10 | 6.4 | 9 | 6.6 |
| 30 | 4.0 | 46.77 | 67.7 | 1128 | 18.8 | 74.8 | 2.24 | 90 | 6.7 | 45 | 6.8 | 30 | 7.0 | 23 | 7.2 | 18 | 7.3 | 15 | 7.5 | 13 | 7.7 | 11 | 7.8 | 10 | 8.0 | 9 | 8.2 |
| 30 | 5 | 52.29 | 75.6 | 1261 | 21.0 | 83.7 | 2.51 | 90 | 8.2 | 45 | 8.4 | 30 | 8.6 | 23 | 8.7 | 18 | 8.9 | 15 | 9.1 | 13 | 9.2 | 11 | 9.4 | 10 | 9.6 | 9 | 9.7 |
| 30 | 6 | 57.28 | 82.9 | 1381 | 23.0 | 91.6 | 2.75 | 90 | 9.8 | 45 | 10.0 | 30 | 10.1 | 23 | 10.3 | 18 | 10.5 | 15 | 10.6 | 13 | 10.8 | 11 | 11.0 | 10 | 11.1 | 9 | 11.3 |
| 30 | 7 | 61.86 | 89.5 | 1492 | 24.9 | 99.0 | 2.97 | 90 | 11.3 | 45 | 11.5 | 30 | 11.7 | 23 | 11.8 | 18 | 12.0 | 15 | 12.2 | 13 | 12.3 | 11 | 12.5 | 10 | 12.7 | 9 | 12.8 |
| 32 | 3 | 41.83 | 66.7 | 1111 | 18.5 | 66.9 | 2.01 | 100 | 5.6 | 50 | 5.8 | 33 | 5.9 | 25 | 6.1 | 20 | 6.3 | 17 | 6.4 | 14 | 6.6 | 12 | 6.8 | 11 | 6.9 | 10 | 7.1 |
| 32 | 4.0 | 48.30 | 77.0 | 1283 | 21.4 | 77.3 | 2.32 | 100 | 7.3 | 50 | 7.5 | 33 | 7.7 | 25 | 7.8 | 20 | 8.0 | 17 | 8.2 | 14 | 8.3 | 12 | 8.5 | 11 | 8.7 | 10 | 8.8 |
| 32 | 5 | 54.00 | 86.1 | 1434 | 23.9 | 86.4 | 2.59 | 100 | 9.0 | 50 | 9.2 | 33 | 9.4 | 25 | 9.5 | 20 | 9.7 | 17 | 9.9 | 14 | 10.0 | 12 | 10.2 | 11 | 10.4 | 10 | 10.5 |
| 32 | 6 | 59.15 | 94.3 | 1571 | 26.2 | 94.6 | 2.84 | 100 | 10.8 | 50 | 10.9 | 33 | 11.1 | 25 | 11.3 | 20 | 11.4 | 17 | 11.6 | 14 | 11.8 | 12 | 11.9 | 11 | 12.1 | 10 | 12.3 |
| 32 | 7 | 63.89 | 101.8 | 1697 | 28.3 | 102.2 | 3.07 | 100 | 12.5 | 50 | 12.6 | 33 | 12.8 | 25 | 13.0 | 20 | 13.1 | 17 | 13.3 | 14 | 13.5 | 12 | 13.6 | 11 | 13.8 | 10 | 14.0 |
| 34 | 3 | 43.12 | 75.3 | 1254 | 20.9 | 69.0 | 2.07 | 109 | 6.2 | 55 | 6.4 | 36 | 6.5 | 27 | 6.7 | 22 | 6.9 | 18 | 7.0 | 16 | 7.2 | 14 | 7.4 | 12 | 7.5 | 11 | 7.7 |
| 34 | 4 | 49.79 | 86.9 | 1448 | 24.1 | 79.7 | 2.39 | 109 | 8.1 | 55 | 8.3 | 36 | 8.5 | 27 | 8.6 | 22 | 8.8 | 18 | 9.0 | 16 | 9.1 | 14 | 9.3 | 12 | 9.5 | 11 | 9.6 |
| 34 | 5 | 55.66 | 97.2 | 1619 | 27.0 | 89.1 | 2.67 | 109 | 10.0 | 55 | 10.2 | 36 | 10.4 | 27 | 10.5 | 22 | 10.7 | 18 | 10.9 | 16 | 11.0 | 14 | 11.2 | 12 | 11.4 | 11 | 11.5 |
| 34 | 6 | 60.97 | 106.4 | 1774 | 29.6 | 97.6 | 2.93 | 109 | 11.9 | 55 | 12.1 | 36 | 12.3 | 27 | 12.4 | 22 | 12.6 | 18 | 12.8 | 16 | 12.9 | 14 | 13.1 | 12 | 13.3 | 11 | 13.4 |
| 34 | 7 | 65.86 | 115.0 | 1916 | 31.9 | 105.4 | 3.16 | 109 | 13.8 | 55 | 14.0 | 36 | 14.1 | 27 | 14.3 | 22 | 14.5 | 18 | 14.6 | 16 | 14.8 | 14 | 15.0 | 12 | 15.1 | 11 | 15.3 |
| 36 | 4 | 51.23 | 97.4 | 1624 | 27.1 | 82.0 | 2.46 | 119 | 9.0 | 59 | 9.2 | 40 | 9.4 | 30 | 9.5 | 24 | 9.7 | 20 | 9.9 | 17 | 10.0 | 15 | 10.2 | 13 | 10.4 | 12 | 10.5 |
| 36 | 5 | 57.28 | 108.9 | 1815 | 30.3 | 91.6 | 2.75 | 119 | 11.2 | 59 | 11.3 | 40 | 11.5 | 30 | 11.7 | 24 | 11.8 | 20 | 12.0 | 17 | 12.2 | 15 | 12.3 | 13 | 12.5 | 12 | 12.7 |
| 36 | 6 | 62.74 | 119.3 | 1989 | 33.1 | 100.4 | 3.01 | 119 | 13.3 | 59 | 13.4 | 40 | 13.6 | 30 | 13.8 | 24 | 13.9 | 20 | 14.1 | 17 | 14.3 | 15 | 14.4 | 13 | 14.6 | 12 | 14.8 |
| 36 | 7 | 67.77 | 128.9 | 2148 | 35.8 | 108.4 | 3.25 | 119 | 15.4 | 59 | 15.5 | 40 | 15.7 | 30 | 15.9 | 24 | 16.0 | 20 | 16.2 | 17 | 16.4 | 15 | 16.5 | 13 | 16.7 | 12 | 16.9 |
| 36 | 8 | 72.45 | 137.8 | 2296 | 38.3 | 115.9 | 3.48 | 119 | 17.4 | 59 | 17.6 | 40 | 17.8 | 30 | 17.9 | 24 | 18.1 | 20 | 18.3 | 17 | 18.4 | 15 | 18.6 | 13 | 18.8 | 12 | 18.9 |
| 38 | 4 | 52.63 | 108.5 | 1809 | 30.2 | 84.2 | 2.53 | 129 | 10.1 | 64 | 10.3 | 43 | 10.5 | 32 | 10.6 | 26 | 10.8 | 21 | 11.0 | 18 | 11.1 | 16 | 11.3 | 14 | 11.5 | 13 | 11.6 |
| 38 | 5 | 58.85 | 121.4 | 2023 | 33.7 | 94.2 | 2.82 | 129 | 12.5 | 64 | 12.7 | 43 | 12.8 | 32 | 13.0 | 26 | 13.2 | 21 | 13.3 | 18 | 13.5 | 16 | 13.7 | 14 | 13.8 | 13 | 14.0 |
| 38 | 6 | 64.46 | 132.9 | 2216 | 36.9 | 103.1 | 3.09 | 129 | 14.9 | 64 | 15.0 | 43 | 15.2 | 32 | 15.4 | 26 | 15.5 | 21 | 15.7 | 18 | 15.9 | 16 | 16.0 | 14 | 16.2 | 13 | 16.4 |
| 38 | 7 | 69.63 | 143.6 | 2393 | 39.9 | 111.4 | 3.34 | 129 | 17.2 | 64 | 17.4 | 43 | 17.5 | 32 | 17.7 | 26 | 17.9 | 21 | 18.0 | 18 | 18.2 | 16 | 18.4 | 14 | 18.5 | 13 | 18.7 |
| 38 | 8 | 74.43 | 153.5 | 2558 | 42.6 | 119.1 | 3.57 | 129 | 19.5 | 64 | 19.7 | 43 | 19.8 | 32 | 20.0 | 26 | 20.2 | 21 | 20.3 | 18 | 20.5 | 16 | 20.7 | 14 | 20.8 | 13 | 21.0 |