komet INNOVATIVE IRRIGATION

komet | *Sprinklers*

# Komet 162 FC
# Komet 163 PC

**Universal Sprinklers for Solid-Set Systems and Travelers**

The medium volume impact sprinklers by Komet Irrigation are designed for a wide range of agricultural applications, ensuring efficient and energy-saving water distribution for many growing seasons.

## The Product

This medium volume sprinkler line is suitable for versatile use in general field irrigation on solid-set and mechanized irrigation systems such as travelers. The Komet 163 and 162 sprinkler line shows great performance in windy conditions. Long wear life, high performance, proven design and maintenance-free operation are among its outstanding features.

The Komet 163 can operate part circle as well as full circle by easily adjusting the part circle stops. The Komet 162, with full circle operation, is designed for use in general field irrigation, mainly in extensive solid-set and moveable irrigation systems.

**Features & Benefits:**

- Long throw & uniform water distribution
- High-quality materials including technical polymers, marine grade aluminum and stainless steel
- Designed for a long wear life and maintenance-free operation
- Nozzle range from 0.31'' to 0.63''
- Pressure range from 29.0 – 87.0 psi

## Available Models

## Performance Data U.S. Units

### Komet 163 PC

Connection 1 1/2“ NPT

## komet | *Sprinkler 163 PC 1 1/2'' NPT*

**PART CIRCLE**

| | | | | | | ▲ Set-up | | | | ■ Set-up | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nozzle | Pressure | Throw | Flow | Surface | Precipitation rate | Spacing max. | | Surface | Precipitation rate | Spacing max. | Surface | Precipitation rate |
| in | psi | ft | gpm | ft2 | in/h | ft | ft | ft2 | in/h | ft | ft2 | in/h |
| **0.31** | 29.0 | 63.98 | 23.67 | 12460.08 | 0.18 | 91.86 | 108.27 | 10135.92 | 0.225 | 88.58 | 7844.04 | 0.29 |
| | 43.5 | 72.18 | 28.99 | 15774.16 | 0.18 | 104.99 | 121.39 | 12739.84 | 0.219 | 98.43 | 9684.00 | 0.29 |
| | 58.0 | 78.74 | 33.48 | 19142.04 | 0.17 | 104.99 | 134.51 | 15645.04 | 0.206 | 111.55 | 12438.56 | 0.26 |
| | 72.5 | 83.66 | 37.43 | 22154.84 | 0.16 | 124.67 | 144.36 | 18023.00 | 0.200 | 118.11 | 13944.96 | 0.26 |
| **0.39** | 29.0 | 70.54 | 30.18 | 14902.60 | 0.19 | 101.71 | 118.11 | 12072.72 | 0.241 | 98.43 | 9684.00 | 0.30 |
| | 43.5 | 78.74 | 36.97 | 18830.00 | 0.19 | 114.83 | 134.51 | 16721.04 | 0.213 | 108.27 | 11717.64 | 0.30 |
| | 58.0 | 86.94 | 42.69 | 22854.24 | 0.18 | 127.95 | 147.64 | 18851.52 | 0.218 | 121.39 | 14730.44 | 0.28 |
| | 72.5 | 93.50 | 47.72 | 26501.88 | 0.17 | 137.80 | 157.48 | 21455.44 | 0.214 | 127.95 | 16365.96 | 0.28 |
| **0.47** | 29.0 | 75.46 | 38.62 | 16957.76 | 0.22 | 111.55 | 127.95 | 14149.40 | 0.263 | 104.99 | 11018.24 | 0.34 |
| | 43.5 | 85.30 | 47.30 | 21810.52 | 0.21 | 124.67 | 144.36 | 18023.00 | 0.252 | 118.11 | 13944.96 | 0.33 |
| | 58.0 | 93.50 | 54.61 | 26501.88 | 0.20 | 137.80 | 157.48 | 21455.44 | 0.245 | 127.95 | 16365.96 | 0.32 |
| | 72.5 | 100.07 | 61.06 | 30827.40 | 0.19 | 147.64 | 170.60 | 25178.40 | 0.233 | 141.08 | 19895.24 | 0.30 |
| | 87.0 | 106.63 | 66.88 | 34614.92 | 0.19 | 157.48 | 180.45 | 28158.92 | 0.228 | 147.64 | 21789.00 | 0.30 |
| **0.55** | 29.0 | 78.74 | 48.63 | 18507.20 | 0.25 | 114.83 | 131.23 | 14612.08 | 0.320 | 108.27 | 11717.64 | 0.40 |
| | 43.5 | 90.22 | 59.56 | 24640.40 | 0.23 | 134.51 | 154.20 | 20562.36 | 0.279 | 124.67 | 15537.44 | 0.37 |
| | 58.0 | 98.43 | 68.77 | 29213.40 | 0.23 | 144.36 | 167.32 | 24210.00 | 0.273 | 134.51 | 18087.56 | 0.37 |
| | 72.5 | 104.99 | 76.89 | 33323.72 | 0.22 | 154.20 | 177.17 | 27158.24 | 0.272 | 144.36 | 20831.36 | 0.36 |
| | 87.0 | 109.91 | 84.23 | 36809.96 | 0.22 | 160.76 | 187.01 | 30246.36 | 0.268 | 154.20 | 23768.84 | 0.34 |
| **0.63** | 29.0 | 80.38 | 57.60 | 19464.84 | 0.28 | 114.83 | 134.51 | 16721.04 | 0.331 | 111.55 | 12438.56 | 0.45 |
| | 43.5 | 93.50 | 70.55 | 26501.88 | 0.26 | 137.80 | 157.48 | 21455.44 | 0.317 | 127.95 | 16365.96 | 0.41 |
| | 58.0 | 103.35 | 81.47 | 32484.44 | 0.24 | 154.20 | 177.17 | 27158.24 | 0.289 | 144.36 | 20831.36 | 0.38 |
| | 72.5 | 109.91 | 91.08 | 36368.80 | 0.24 | 160.76 | 187.01 | 30246.36 | 0.290 | 150.92 | 22768.16 | 0.39 |
| | 87.0 | 113.19 | 99.77 | 39532.24 | 0.24 | 167.32 | 193.57 | 32409.12 | 0.296 | 157.48 | 24791.04 | 0.39 |

N.B.: The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. Consider wind speed and wind direction when designing an irrigation system. Reduce the spacing for the selected sprinkler set-up accordingly.

### Komet 162 FC

Connection 1 1/2“ NPT

## komet | *Sprinkler 162 FC 1 1/2'' NPT*

**FULL CIRCLE**

| | | | | | | ▲ Set-up | | | | ■ Set-up | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nozzle | Pressure | Throw | Flow | Surface | Precipitation rate | Spacing max. | | Surface | Precipitation rate | Spacing max. | Surface | Precipitation rate |
| in | psi | ft | gpm | ft2 | in/h | ft | ft | ft2 | in/h | ft | ft2 | in/h |
| **0.31** | 29.0 | 63.98 | 27.71 | 12464.71 | 0.21 | 91.86 | 108.27 | 10139.69 | 0.263 | 88.58 | 7846.96 | 0.34 |
| | 43.5 | 72.18 | 33.94 | 15780.02 | 0.21 | 104.99 | 121.39 | 12744.58 | 0.256 | 98.43 | 9687.60 | 0.34 |
| | 58.0 | 78.74 | 39.19 | 19149.16 | 0.20 | 104.99 | 134.51 | 15650.86 | 0.241 | 111.55 | 12443.18 | 0.30 |
| | 72.5 | 83.66 | 43.81 | 22163.08 | 0.19 | 124.67 | 144.36 | 18029.70 | 0.234 | 118.11 | 13950.14 | 0.30 |
| **0.39** | 29.0 | 70.54 | 35.57 | 14908.14 | 0.23 | 101.71 | 118.11 | 12077.21 | 0.283 | 98.43 | 9687.60 | 0.35 |
| | 43.5 | 78.74 | 43.57 | 18837.00 | 0.22 | 114.83 | 134.51 | 16727.26 | 0.268 | 108.27 | 11722.00 | 0.36 |
| | 58.0 | 86.94 | 50.30 | 22862.74 | 0.21 | 127.95 | 147.64 | 18858.53 | 0.257 | 121.39 | 14735.92 | 0.33 |
| | 72.5 | 93.50 | 56.24 | 26511.73 | 0.20 | 137.80 | 157.48 | 21463.42 | 0.252 | 127.95 | 16372.04 | 0.33 |
| **0.47** | 29.0 | 75.46 | 43.95 | 16964.06 | 0.25 | 111.55 | 127.95 | 14154.66 | 0.299 | 104.99 | 11022.34 | 0.38 |
| | 43.5 | 85.30 | 53.83 | 21818.63 | 0.24 | 124.67 | 144.36 | 18029.70 | 0.287 | 118.11 | 13950.14 | 0.37 |
| | 58.0 | 93.50 | 62.15 | 26511.73 | 0.23 | 137.80 | 157.48 | 21463.42 | 0.279 | 127.95 | 16372.04 | 0.37 |
| | 72.5 | 100.07 | 69.49 | 30838.86 | 0.22 | 147.64 | 170.60 | 25187.76 | 0.265 | 141.08 | 19902.64 | 0.34 |
| | 87.0 | 106.63 | 76.12 | 34627.79 | 0.21 | 157.48 | 180.45 | 28169.39 | 0.260 | 147.64 | 21797.10 | 0.34 |
| **0.55** | 29.0 | 78.74 | 54.39 | 18514.08 | 0.28 | 114.83 | 131.23 | 14617.51 | 0.351 | 108.27 | 11722.00 | 0.45 |
| | 43.5 | 90.22 | 66.62 | 24649.56 | 0.26 | 134.51 | 154.20 | 20570.00 | 0.357 | 124.67 | 15543.22 | 0.43 |
| | 58.0 | 98.43 | 76.92 | 29224.26 | 0.25 | 144.36 | 167.32 | 24219.00 | 0.319 | 134.51 | 18094.28 | 0.41 |
| | 72.5 | 104.99 | 86.00 | 33336.11 | 0.25 | 154.20 | 177.17 | 27168.34 | 0.321 | 144.36 | 20839.10 | 0.40 |
| | 87.0 | 109.91 | 94.21 | 36823.64 | 0.25 | 160.76 | 187.01 | 30257.60 | 0.328 | 154.20 | 23777.68 | 0.38 |
| **0.63** | 29.0 | 80.38 | 63.77 | 19472.08 | 0.32 | 114.83 | 134.51 | 16727.26 | 0.392 | 111.55 | 12443.18 | 0.49 |
| | 43.5 | 93.50 | 78.10 | 26511.73 | 0.28 | 137.80 | 157.48 | 21463.42 | 0.357 | 127.95 | 16372.04 | 0.46 |
| | 58.0 | 103.35 | 90.18 | 32496.52 | 0.27 | 154.20 | 177.17 | 27168.34 | 0.319 | 144.36 | 20839.10 | 0.42 |
| | 72.5 | 109.91 | 100.82 | 36382.32 | 0.27 | 160.76 | 187.01 | 30257.60 | 0.321 | 150.92 | 22776.62 | 0.43 |
| | 87.0 | 113.19 | 110.45 | 39546.94 | 0.27 | 167.32 | 193.57 | 32421.17 | 0.328 | 157.48 | 24800.26 | 0.43 |

N.B.: The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. Consider wind speed and wind direction when designing an irrigation system. Reduce the spacing for the selected sprinkler set-up accordingly.

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