



# RAIN. RPS75 Performance Data

Model Number: RPS75 • Arc Adjust: 40 – 360 • Drive Type: Gear • Warranty: 5 Years

## Standard Performance Data:

25 degree trajectory

Nozzle	Pressure (PSI)	Radius (ft)	Flow (GPM)	Precip (IN/HR)	Precip (IN/HR)
				■	▲
0.75	30	29	0.7	0.08	0.09
	<b>40</b>	<b>30</b>	<b>0.8</b>	0.09	0.10
	50	30	0.9	0.10	0.11
	60	31	1.0	0.10	0.12
1	30	30	0.9	0.10	0.11
	<b>40</b>	<b>31</b>	<b>1.0</b>	0.10	0.12
	50	31	1.2	0.12	0.14
	60	32	1.3	0.12	0.14
1.5	30	32	1.2	0.11	0.13
	<b>40</b>	<b>33</b>	<b>1.4</b>	0.12	0.14
	50	34	1.6	0.13	0.15
	60	34	1.8	0.15	0.17
2	30	34	1.6	0.13	0.15
	<b>40</b>	<b>36</b>	<b>1.8</b>	0.13	0.15
	50	38	2.0	0.13	0.15
	60	38	2.2	0.15	0.17
3 Pre Installed	30	36	2.0	0.15	0.17
	<b>40</b>	<b>38</b>	<b>2.4</b>	0.16	0.18
	50	40	2.7	0.16	0.19
	60	40	2.9	0.17	0.20
4	30	36	2.6	0.19	0.22
	<b>40</b>	<b>40</b>	<b>3.0</b>	0.18	0.21
	50	42	3.4	0.19	0.21
	60	42	3.7	0.20	0.23
6	40	38	4.2	0.28	0.32
	<b>50</b>	<b>43</b>	<b>4.9</b>	0.26	0.29
	60	46	5.5	0.25	0.29
	70	47	6.0	0.26	0.30
8	<b>40</b>	<b>45</b>	<b>6.0</b>	0.29	0.33
	50	48	6.8	0.28	0.33
	60	49	7.6	0.30	0.35
	70	51	8.2	0.30	0.35

## Metric Performance Data:

25 degree trajectory

Nozzle	Pressure (kPa / bar)	Radius (meter)	Flow (l/m)	Precip (mm/hr)	Precip (mm/hr)
				■	▲
0.75	2.0	8.8	2.6	2.0	2.3
	3.0	9.1	3.0	2.2	2.5
	3.5	9.1	3.4	2.4	2.8
	4.0	9.4	3.8	2.5	2.9
1	2.0	9.1	3.4	2.4	2.8
	3.0	9.4	3.8	2.5	2.9
	3.5	9.4	4.5	3.1	3.5
	4.0	9.8	4.9	3.1	3.6
1.5	2.0	9.8	4.5	2.9	3.3
	3.0	10.1	5.3	3.1	3.6
	3.5	10.4	6.1	3.4	3.9
	4.0	10.4	6.8	3.8	4.4
2	2.0	10.4	6.1	3.4	3.9
	3.0	11.0	6.8	3.4	3.9
	3.5	11.6	7.6	3.4	3.9
	4.0	11.6	8.3	3.7	4.3
3 Pre Installed	2.0	11.0	7.6	3.8	4.4
	3.0	11.6	9.1	4.1	4.7
	3.5	12.2	10.2	4.1	4.8
	4.0	12.2	11.0	4.4	5.1
4	2.0	11.0	9.8	4.9	5.7
	3.0	12.2	11.4	4.6	5.3
	3.5	12.8	12.9	4.7	5.4
	4.0	12.8	14.0	5.1	5.9
6	2.0	11.6	15.9	7.1	8.2
	3.0	13.1	18.5	6.5	7.5
	3.5	14.0	20.8	6.4	7.3
	4.0	14.3	22.7	6.6	7.7
8	3.0	13.7	22.7	7.2	8.4
	3.5	14.6	25.7	7.2	8.3
	4.0	14.9	28.8	7.7	8.9
	5.0	15.5	31.0	7.7	8.9

## Low Angle Standard Performance Data

12 degree trajectory

Nozzle	Pressure (PSI)	Radius (ft)	Flow (GPM)	Precip (IN/HR)	Precip (IN/HR)
				■	▲
1	30	22	1.2	0.24	0.28
	<b>40</b>	<b>24</b>	<b>1.7</b>	<b>0.28</b>	<b>0.33</b>
	50	26	1.8	1.26	0.30
	60	28	2.0	0.25	0.28
3	30	29	3.0	0.34	0.40
	<b>40</b>	<b>32</b>	<b>3.1</b>	<b>0.29</b>	<b>0.34</b>
	50	35	3.5	0.28	0.32
	60	37	3.8	0.27	0.31
4	30	31	3.4	0.34	0.39
	<b>40</b>	<b>34</b>	<b>3.9</b>	<b>0.32</b>	<b>0.37</b>
	50	37	4.4	0.31	0.36
	60	38	4.7	0.31	0.36
6	<b>40</b>	<b>38</b>	<b>6.5</b>	<b>0.43</b>	<b>0.50</b>
	50	40	7.3	0.44	0.51
	60	42	8.0	0.44	0.50
	70	44	8.6	0.43	0.49

## Low Angle Metric Performance Data

12 degree trajectory

Nozzle	Pressure (bar)	Radius (meter)	Flow (l/m)	Precip (mm/hr)	Precip (mm/hr)
				■	▲
1	2.0	6.7	4.5	6.1	7.0
	<b>3.0</b>	<b>7.3</b>	<b>6.4</b>	<b>7.2</b>	<b>8.3</b>
	3.5	7.9	6.8	6.5	7.5
	4.0	8.5	7.6	6.2	7.2
3	2.0	8.8	11.4	8.7	10.1
	<b>3.0</b>	<b>9.8</b>	<b>11.7</b>	<b>7.4</b>	<b>8.5</b>
	3.5	10.7	13.2	7.0	8.1
	4.0	11.3	14.4	6.8	7.8
4	2.0	9.4	12.9	8.6	10.0
	<b>3.0</b>	<b>10.4</b>	<b>14.8</b>	<b>8.2</b>	<b>9.5</b>
	3.5	11.3	16.7	7.9	9.1
	4.0	11.6	17.8	8.0	9.2
6	<b>3.0</b>	<b>11.6</b>	<b>24.6</b>	<b>11.0</b>	<b>12.7</b>
	3.5	12.2	27.6	11.2	12.9
	4.0	12.8	30.3	11.1	12.8
	5.0	13.4	32.6	10.9	12.5

All precipitation rates are calculated at 360 degrees. For precipitation rates at 180 degrees, multiply by 2. Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with nozzle retention screw.



# RPS75 Performance Data

Model Number: RPS75 • Arc Adjust: 40-360 • Drive Type: Gear • Warranty: 5 years

<b>K-Rain Red Standard Nozzles</b>	<b>Hunter Red Standard Nozzle EQUIVALENT</b>	<b>Hunter Blue Standard Nozzle EQUIVALENT</b>
<b>.75</b>	<b>2</b>	<b>N/A</b>
<b>1</b>	<b>3</b>	<b>N/A</b>
<b>1.5</b>	<b>4</b>	<b>1.5</b>
<b>2</b>	<b>5</b>	<b>2</b>
<b>3</b>	<b>6</b>	<b>2.5</b>
<b>4</b>	<b>7</b>	<b>3</b>
<b>6</b>	<b>9</b>	<b>5</b>
<b>8</b>	<b>10</b>	<b>8</b>