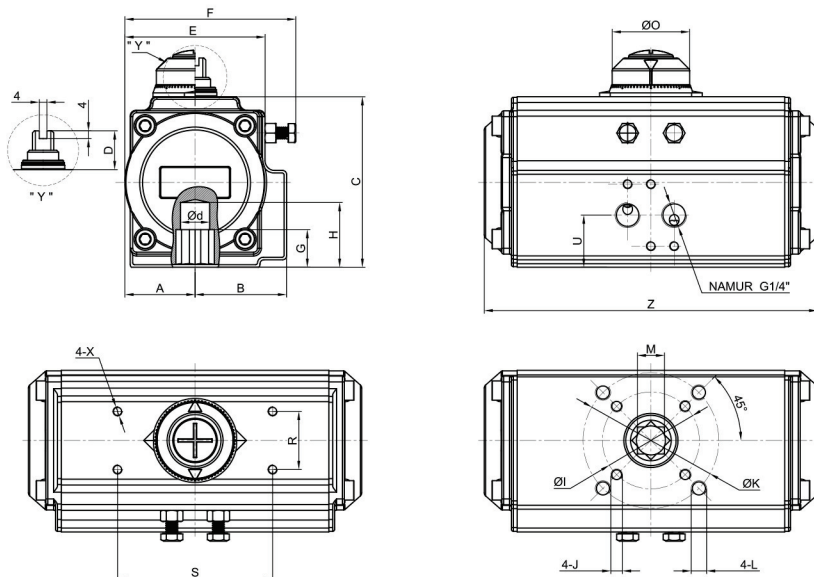


## JHA0035 Datasheet

Metric - DIN3337



| Rack & Pinion Pneumatic Actuator Parameters |          |                      |         |
|---------------------------------------------|----------|----------------------|---------|
| Cylinder bore                               |          | 63                   | mm      |
| Weight                                      | SR       | 2,3                  | kg      |
|                                             | DA       | 2,15                 | kg      |
| Air volume                                  | SR Open  | 0,21                 | L       |
|                                             | SR Close | 0,24                 | L       |
|                                             | DA Open  | 0,21                 | L       |
|                                             | DA Close | 0,29                 | L       |
| Pressure range                              | MOP      | 8                    | bar (g) |
|                                             | SR       | 2,5 ~ 8              | bar (g) |
|                                             | DA       | 2 ~ 8                | bar (g) |
| Pressure media                              |          | Clean compressed air |         |
| Cycle speed DA <sup>2</sup>                 | Open     | 0,17                 | s       |
|                                             | Close    | 0,16                 | s       |
| Cycle speed SR <sup>2</sup>                 | Open     | 0,23                 | s       |
|                                             | Close    | 0,2                  | s       |
| Temperature                                 |          | -20°C to +80°C       |         |
| Stroke                                      |          | 90°                  |         |
| Over/ undertravel                           |          | ±5° at each end      |         |

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

### Dimension in mm

| Model     | A  | B  | C  | D  | E  | F  | G  | H  | ØI  | J     | ØK  | L     | M  | R  | S  | X    | O  | U  | Ød  | Z   | Air connection |
|-----------|----|----|----|----|----|----|----|----|-----|-------|-----|-------|----|----|----|------|----|----|-----|-----|----------------|
| JHA0035DA | 36 | 47 | 88 | 20 | 72 | 88 | 19 | 33 | Ø50 | M6x10 | Ø70 | M8x13 | 14 | 30 | 80 | M5x8 | 40 | 27 | Ø15 | 172 | NAMUR G1/4"    |
| JHA0035SR |    |    |    |    |    |    |    |    |     |       |     |       |    |    |    |      |    |    |     |     |                |

## Output torque of double acting (DA) pneumatic actuator (Nm)

| Model     | Air Supply Pressure in bar (g) |    |    |     |    |     |    |    |    |
|-----------|--------------------------------|----|----|-----|----|-----|----|----|----|
|           | 2                              | 3  | 4  | 4.5 | 5  | 5.5 | 6  | 7  | 8  |
| JHA0035DA | 14                             | 22 | 29 | 32  | 36 | 40  | 43 | 50 | 57 |

## Output torque of single acting (SR) pneumatic actuator (Nm)

| Model     | Air Supply Pressure in bar (g) |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |               |           |
|-----------|--------------------------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|---------------|-----------|
|           |                                | 2.5         |            | 3           |            | 4           |            | 4.5         |            | 5           |            | 5.5         |            | 6           |            | 7           |            | 8           |            | Spring Output |           |
|           | Spring Qty                     | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 0°<br>Start | 90°<br>End | 90°<br>Start  | 0°<br>End |
| JHA0035SR | K6                             | 9,6         | 5,1        | 13,1        | 8,6        | 20,2        | 15,7       | 23,8        | 19,2       | 27,3        | 22,8       |             |            |             |            |             |            |             |            | 12,7          | 8,2       |
|           | K8                             |             |            | 10,4        | 4,4        | 17,5        | 11,5       | 21,0        | 15,0       | 24,6        | 18,6       | 28,2        | 22,2       | 31,7        | 25,7       | 38,8        | 32,8       |             |            | 16,9          | 11,0      |
|           | K10                            |             |            |             |            | 14,7        | 7,3        | 18,3        | 10,8       | 21,9        | 14,4       | 25,4        | 17,9       | 29,0        | 21,5       | 36,1        | 28,6       | 43,2        | 35,7       | 21,2          | 13,7      |
|           | K12                            |             |            |             |            |             |            |             |            | 19,1        | 10,1       | 22,7        | 13,7       | 26,2        | 17,3       | 33,3        | 24,4       | 40,5        | 31,5       | 25,4          | 16,4      |

## Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)

