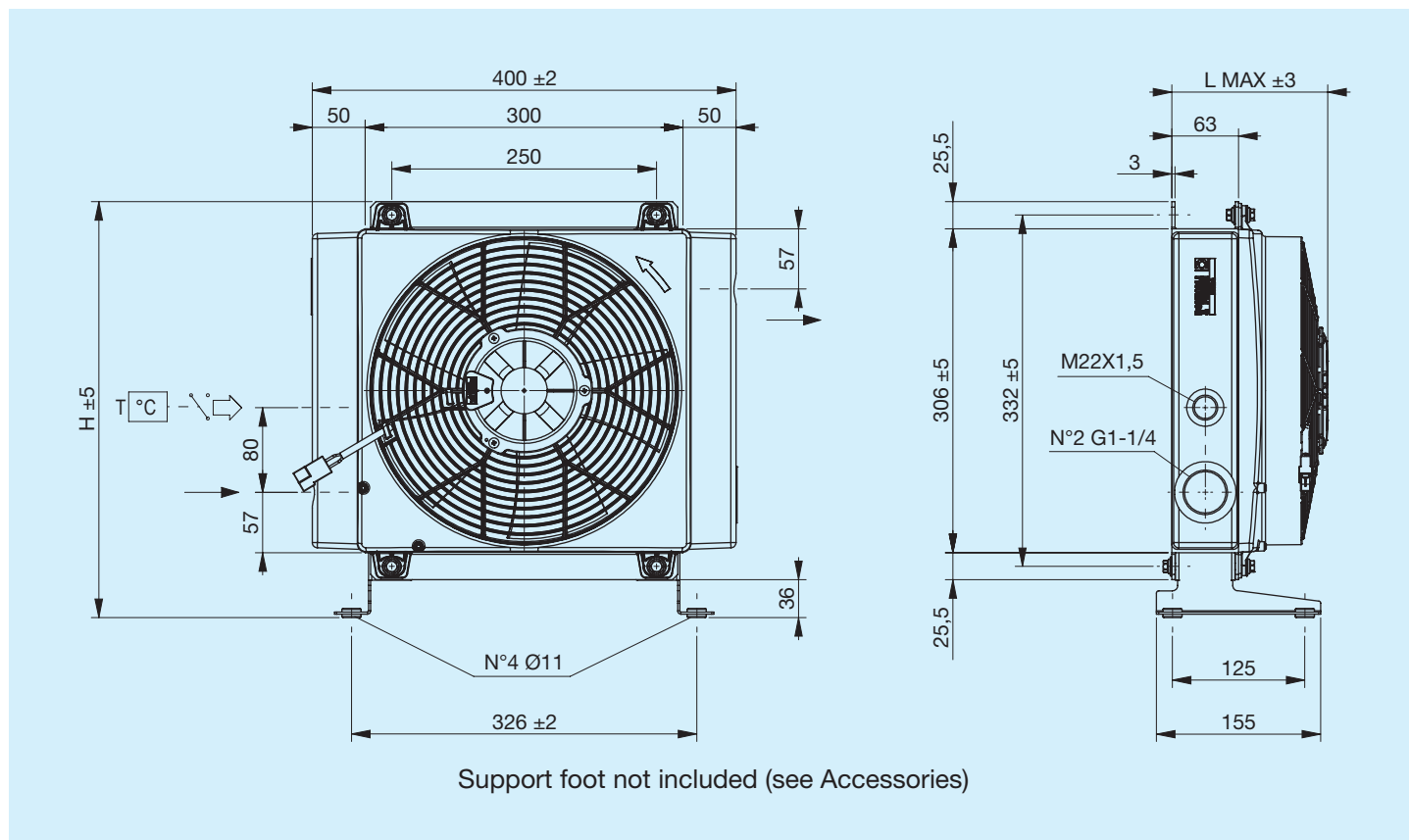


## A31 ECO

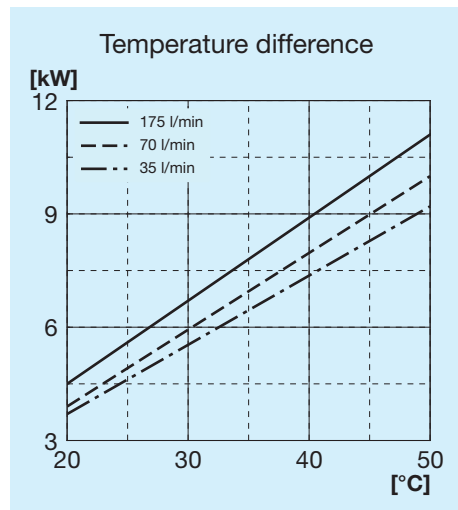


Before using the heat exchanger, carefully read the document entitled GENERAL INSTRUCTIONS FOR HEAT EXCHANGER USE.

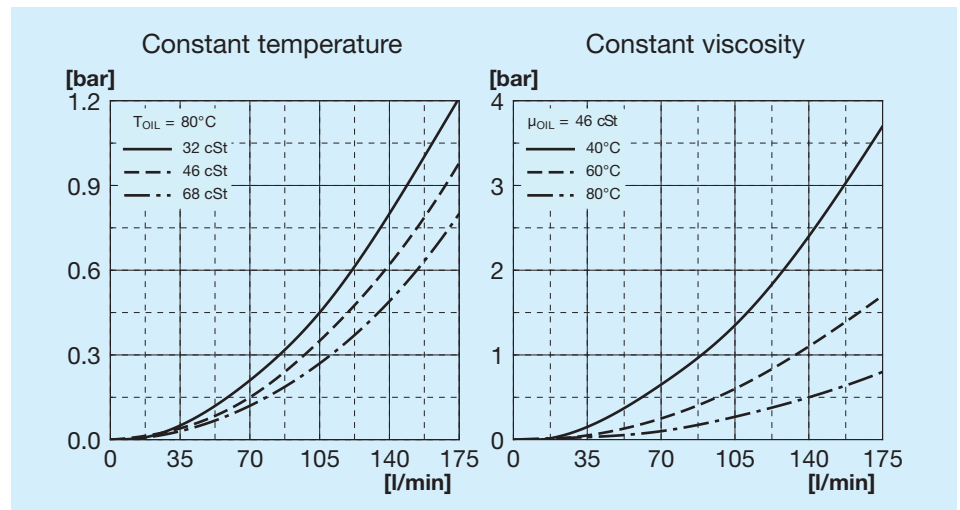


| Code        | Description      | ΦFan<br>mm | Air flow<br>rate<br>m³/h | Voltage<br>V | Current<br>A | L Max<br>mm | H<br>mm | Weight<br>Kg | Capacity<br>l |
|-------------|------------------|------------|--------------------------|--------------|--------------|-------------|---------|--------------|---------------|
| FR633170011 | A31 1EAP 12V ECO | 280        | 1570                     | 12           | 6,9          | 148         | 395     | 9.7          | 3.2           |
| FR633170012 | A31 1ESP 12V ECO | 280        | 1480                     | 12           | 6.3          | 148         | 395     | 9.7          | 3.2           |
| FR633170023 | A31 1EAX 12V ECO | 280        | 2350                     | 12           | 15           | 162         | 395     | 10.5         | 3.2           |
| FR633170024 | A31 1ESX 12V ECO | 280        | 2350                     | 12           | 15           | 162         | 395     | 10.5         | 3.2           |
| FR633170019 | A31 1EAP 24V ECO | 280        | 1580                     | 24           | 3.5          | 148         | 395     | 9.7          | 3.2           |
| FR633170020 | A31 1ESP 24V ECO | 280        | 1520                     | 24           | 3,3          | 148         | 395     | 9.7          | 3.2           |
| FR633170025 | A31 1EAX 24V ECO | 280        | 2500                     | 24           | 7            | 162         | 395     | 10.5         | 3.2           |
| FR633170026 | A31 1ESX 24V ECO | 280        | 2500                     | 24           | 7            | 162         | 395     | 10.5         | 3.2           |

Heat exchange (thermal) capacity

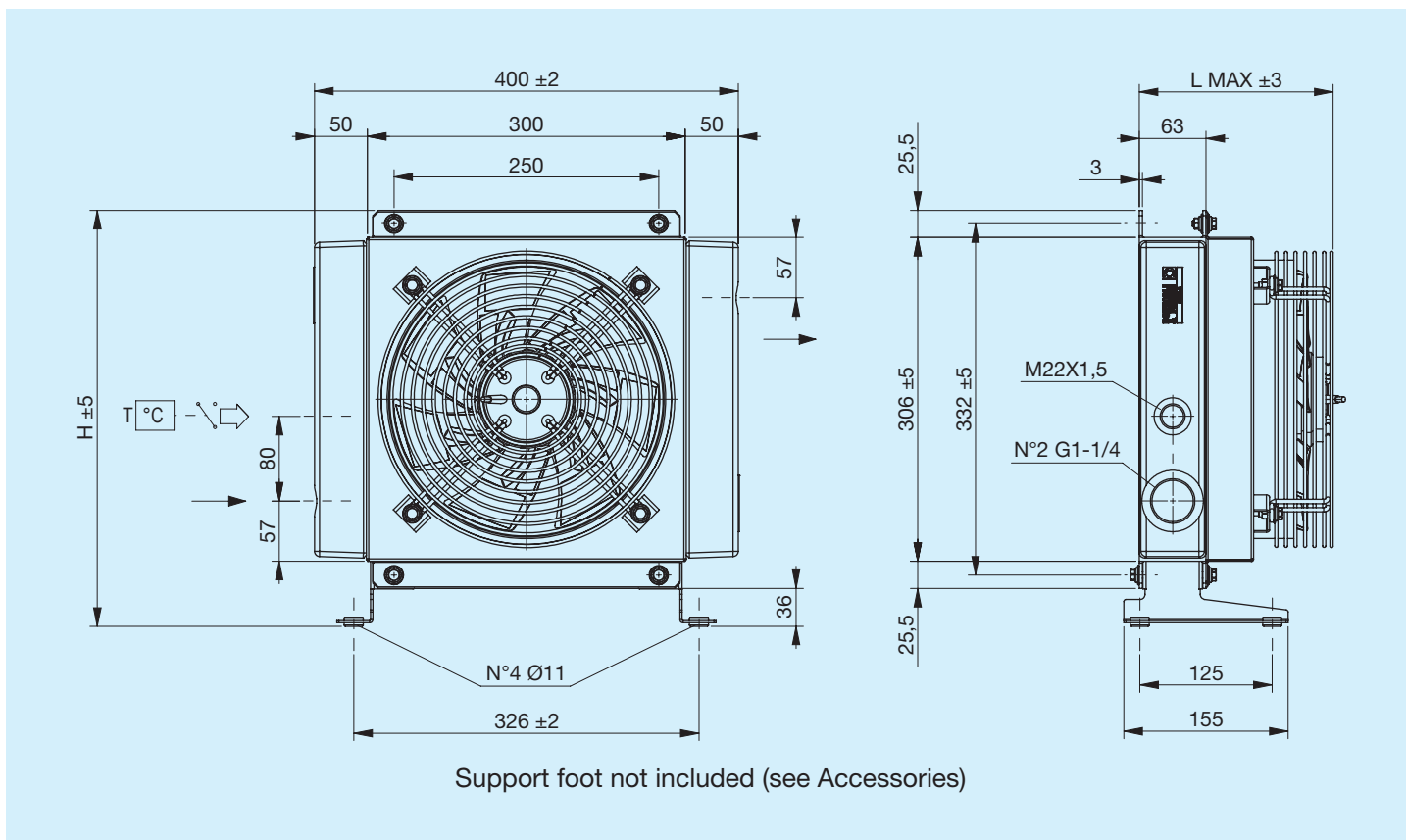


Radiator passage pressure drop



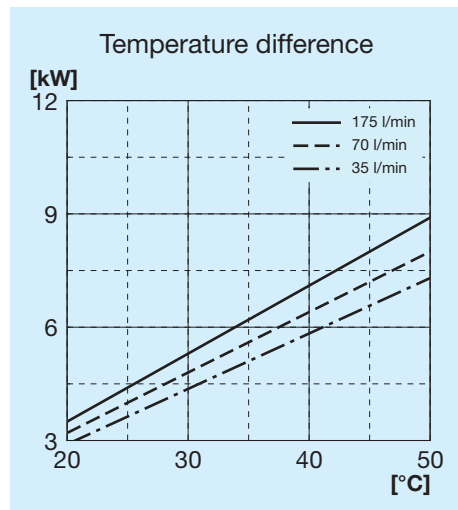
## Legend

|            |                             |
|------------|-----------------------------|
| A31<br>ECO | Exchanger type              |
| 1E         | 1 Fan unit                  |
| A          | Aspirating                  |
| S          | Blowing                     |
| AP         | High power aspirating       |
| SP         | High power blower           |
| AX         | Extra high power aspirating |
| SX         | Extra high power blower     |
| 12V        | Fan unit voltage            |
| 24V        | Fan unit voltage            |

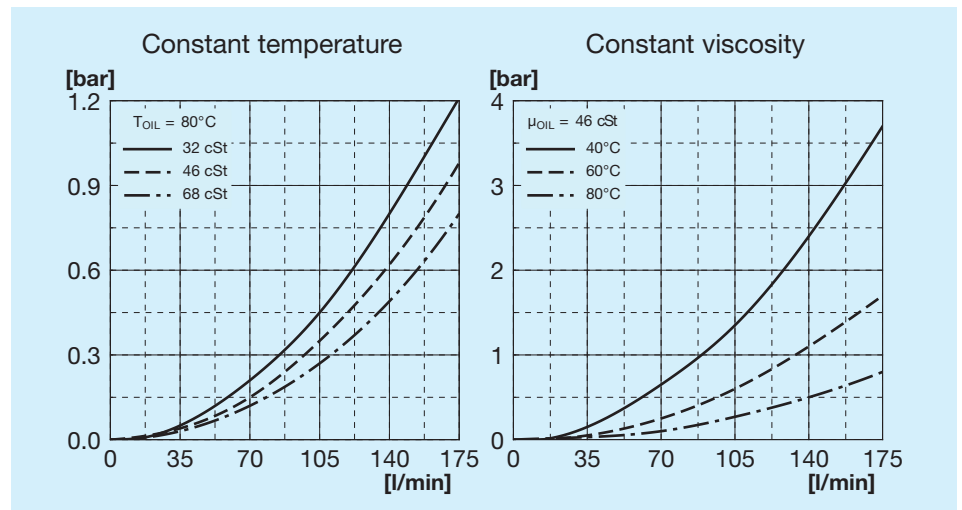


| Code        | Description      | ΦFan<br>mm | Power<br>W | Frequen-<br>cy<br>Hz | Speed<br>min <sup>-1</sup> | Pro-<br>tection<br>IP | L Max<br>mm | H<br>mm | Weight<br>Kg | Capacity<br>l |
|-------------|------------------|------------|------------|----------------------|----------------------------|-----------------------|-------------|---------|--------------|---------------|
| FR633170033 | A31 1EA 230V ECO | 250        | 160        | 50<br>60             | 2500<br>2600               | 44                    | 183         | 395     | 10           | 3.2           |
| FR633170034 | A31 1ES 230V ECO | 250        | 160        | 50<br>60             | 2500<br>2600               | 44                    | 183         | 395     | 10           | 3.2           |
| FR633170035 | A31 1EA 400V ECO | 250        | 160        | 50<br>60             | 2450<br>2550               | 44                    | 183         | 395     | 10           | 3.2           |
| FR633170036 | A31 1ES 400V ECO | 250        | 160        | 50<br>60             | 2450<br>2550               | 44                    | 183         | 395     | 10           | 3.2           |

Heat exchange (thermal) capacity

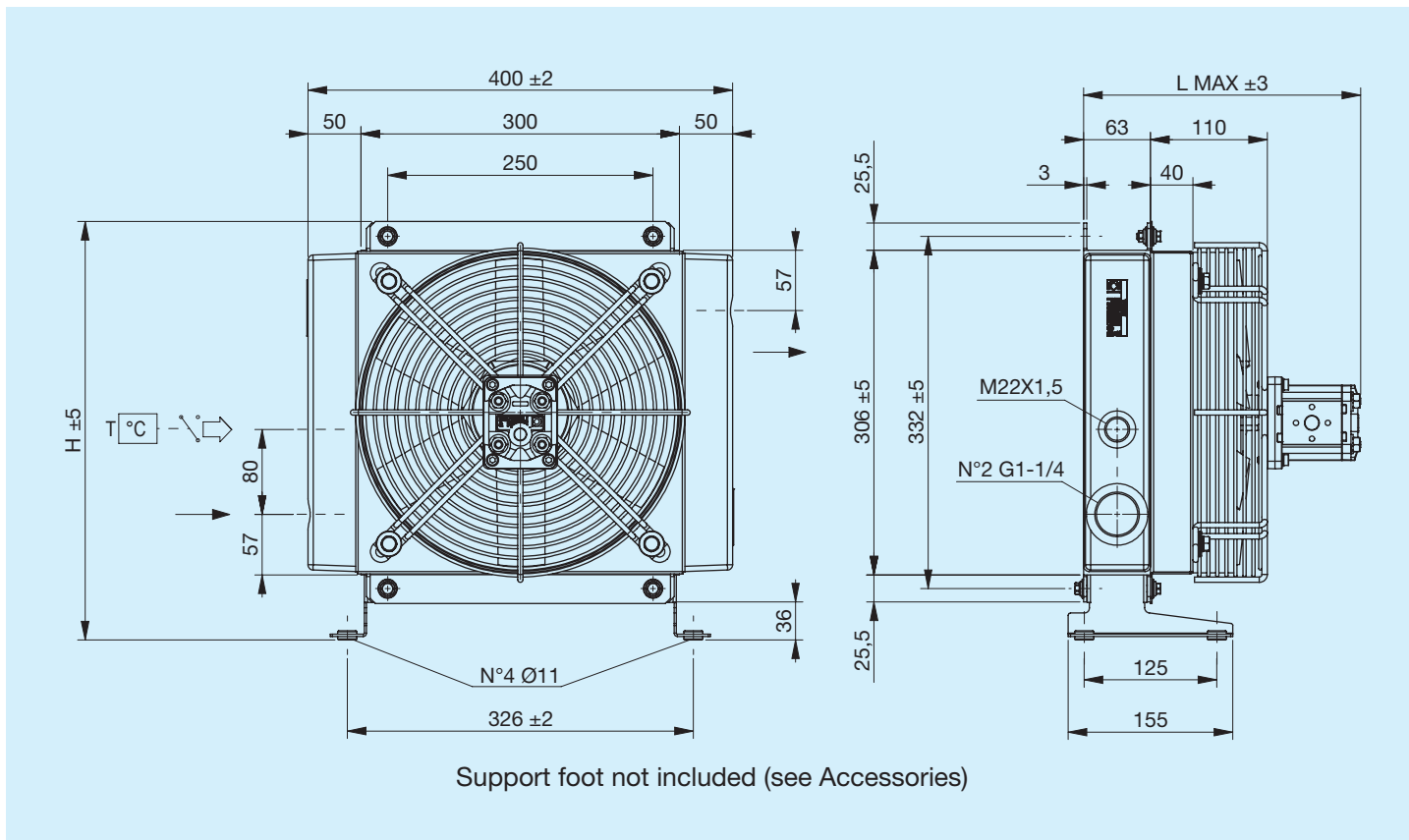


Radiator passage pressure drop



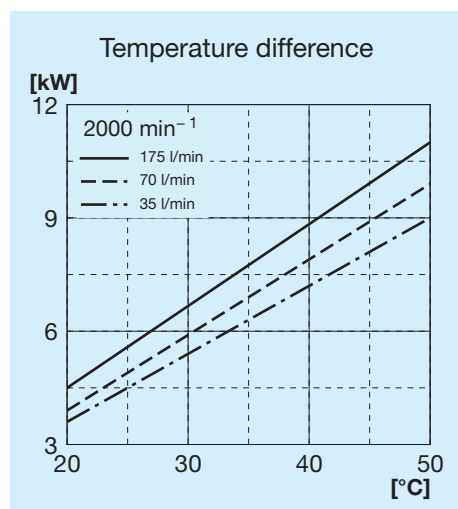
## Legend

|            |                  |
|------------|------------------|
| A31<br>ECO | Exchanger type   |
| 1E         | 1 Fan unit       |
| A          | Aspirating       |
| S          | Blowing          |
| 230V       | Fan unit voltage |
| 400V       | Fan unit voltage |

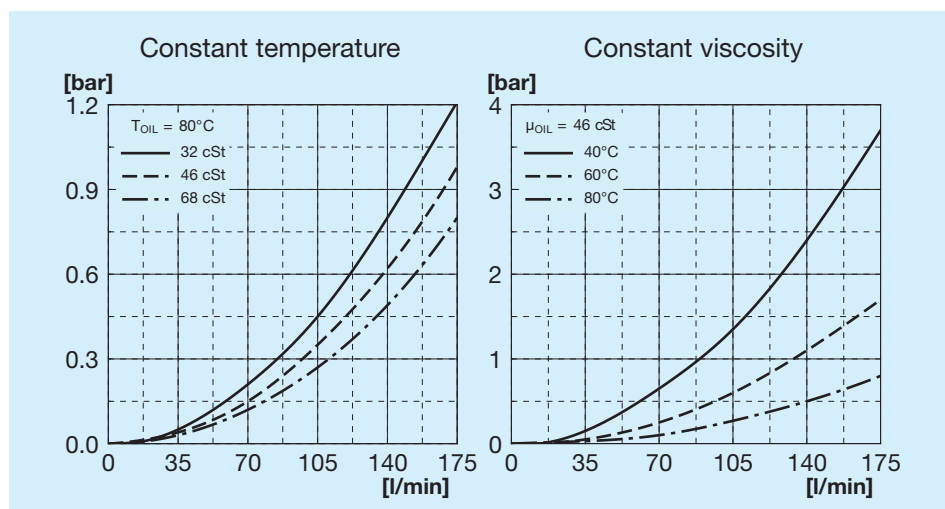


| Code        | Description              | $\Phi$ Fan | Motor displacement | L Max | H   | Weight | Capacity |
|-------------|--------------------------|------------|--------------------|-------|-----|--------|----------|
|             |                          | mm         | cm <sup>3</sup>    | mm    | mm  | Kg     | l        |
| FR634170017 | A31 IA HYDR.MOT. GR1 ECO | 290        | 6                  | 261   | 395 | 14     | 3.2      |
| FR634170018 | A31 IS HYDR.MOT. GR1 ECO | 290        | 6                  | 261   | 395 | 14     | 3.2      |

Heat exchange (thermal) capacity



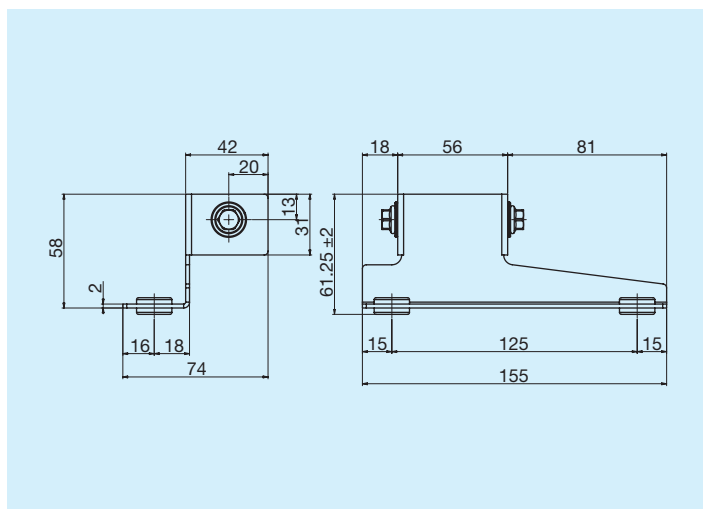
Radiator passage pressure drop



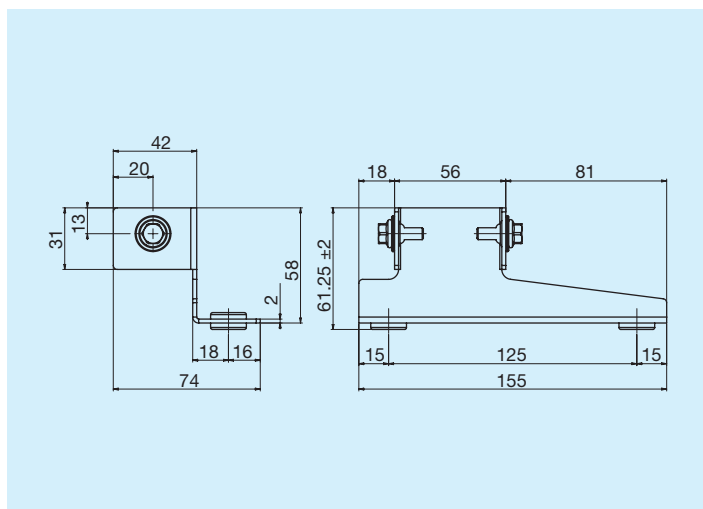
## Legend

|              |                                |
|--------------|--------------------------------|
| A31<br>ECO   | Exchanger type                 |
| IA           | Hydraulic aspirating           |
| IS           | Hydraulic blowing              |
| SETT.        | With motor mounting            |
| HYD.<br>MOT. | With integrated motor mounting |
| GR1          | Group 1                        |
| GR2          | Group 2                        |

## Left supporting foot

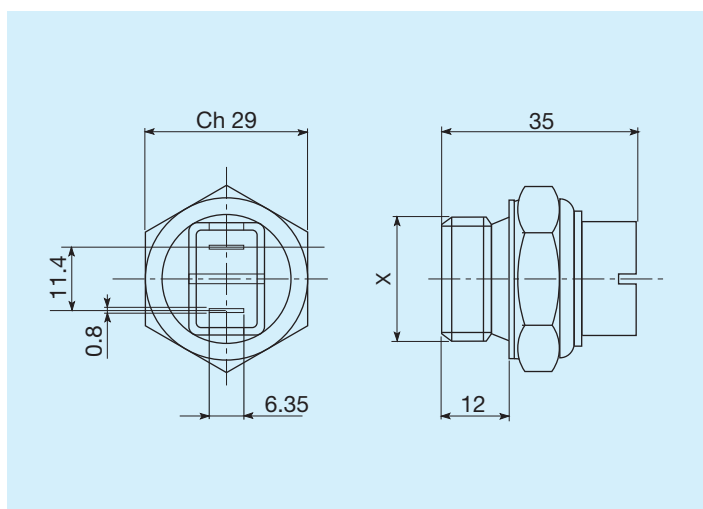


| Code                 |              |
|----------------------|--------------|
| Left supporting foot | FR290000011R |



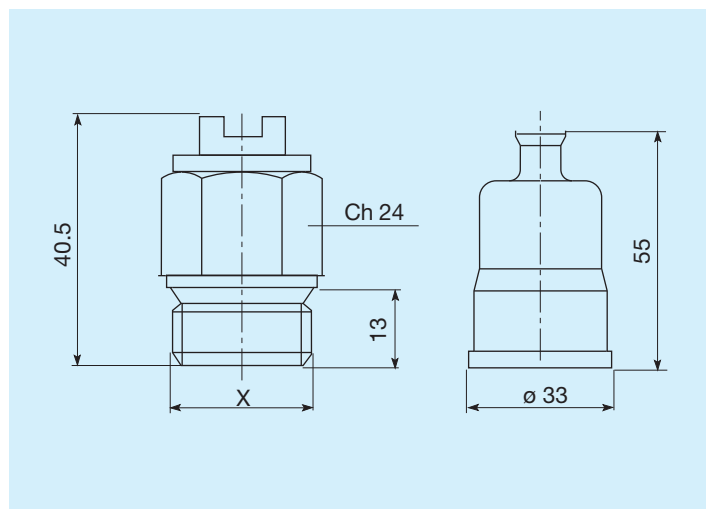
| Code                  |              |
|-----------------------|--------------|
| Right supporting foot | FR290000012R |

## Thermostats



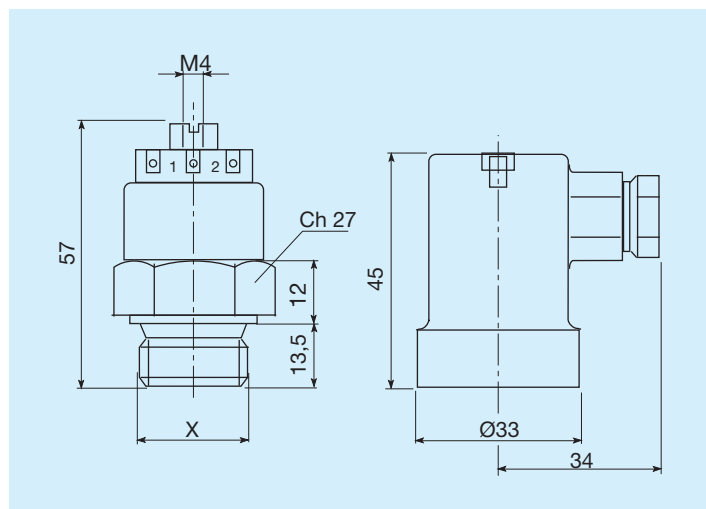
| Trigger temperature<br>C° | Threading | Code         |
|---------------------------|-----------|--------------|
| 45 - 35                   | M22x1.5   | FR361104535R |
| 60 - 50                   | M22x1.5   | FR361106050R |
| 80 - 70                   | M22x1.5   | FR361108070R |
| 82 - 68                   | M22x1.5   | FR361108268R |
| 85 - 76                   | M22x1.5   | FR361108576R |

## IP54 protected thermal switch



| Trigger temperature<br>°C | Threading | Code         |
|---------------------------|-----------|--------------|
| 45 - 35                   | M22x1.5   | FR361124535R |
| 50 - 40                   | M22x1.5   | FR361125040R |
| 60 - 50                   | M22x1.5   | FR361126050R |
| 70 - 60                   | M22x1.5   | FR361127060R |
| 80 - 70                   | M22x1.5   | FR361128070R |

## IP65 protected thermal switch



| Trigger temperature<br>°C | Threading | Code         |
|---------------------------|-----------|--------------|
| 45 - 35                   | M22x1.5   | FR361154535R |
| 47 - 36                   | M22x1.5   | FR361155040R |
| 60 - 50                   | M22x1.5   | FR361176050R |
| 80 - 70                   | M22x1.5   | FR361158070R |