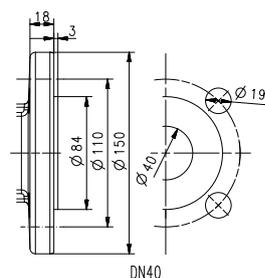
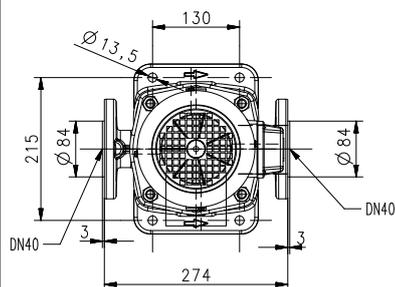
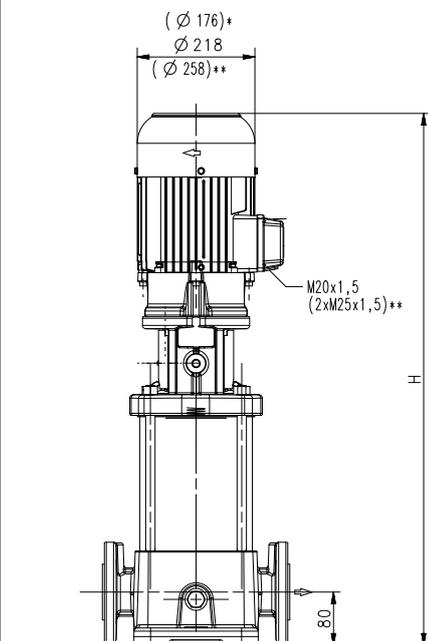


## IH11

50 Hz

Closed impellers

### IH1102...1121



\*) Dimensions for IH1102...1106

\*\*) Dimensions for IH1116...1121

| Type             | Vol. del.<br>at manom.<br>del. head<br>l/min / m | Height<br>H mm | Weight<br>kg | Power<br>kW | Voltage<br>3~<br>V | Fre-<br>quen-<br>cy<br>Hz | Current<br>A  | Speed<br>1/min |
|------------------|--|----------------|--------------|-------------|--------------------|---------------------------|---------------|----------------|
| <b>IH1102A33</b> | 150/19   | 887            | 52           | 1.3         | 220-240<br>380-415 | 50<br>50                  | 4.85<br>2.80  | 2900<br>2900   |
| <b>IH1104A33</b> | 150/38   | 913            | 54           | 1.7         | 220-240<br>380-415 | 50<br>50                  | 6.24<br>3.60  | 2890<br>2890   |
| <b>IH1106A33</b> | 150/58   | 945            | 59           | 2.6         | 220-240<br>380-415 | 50<br>50                  | 9.30<br>5.35  | 2880<br>2880   |
| <b>IH1108A33</b> | 150/78   | 984            | 71           | 3.3         | 220-240<br>380-415 | 50<br>50                  | 11.6<br>6.7   | 2930<br>2930   |
| <b>IH1110A52</b> | 150/98   | 1176           | 79           | 4.0         | 220-240<br>380-415 | 50<br>50                  | 14.50<br>8.35 | 2920<br>2920   |
| <b>IH1112A52</b> | 150/118  | 1206           | 84           | 5.0         | 220-240<br>380-415 | 50<br>50                  | 17.3<br>10.0  | 2920<br>2920   |
| <b>IH1114A52</b> | 150/138  | 1206           | 85           | 5.5         | 220-240<br>380-415 | 50<br>50                  | 18.9<br>10.9  | 2915<br>2915   |
| <b>IH1116A72</b> | 150/158  | 1478           | 120          | 7.5         | 380-415            | 50                        | 14.3          | 2950           |
| <b>IH1118A72</b> | 150/178  | 1478           | 121          |             |                    |                           |               |                |
| <b>IH1121A72</b> | 150/206  | 1478           | 128          | 9.0         | 380-415            | 50                        | 16.7          | 2955           |

### Inline pressure boosting pumps

are **multi-stage** centrifugal pumps with suction and discharge ports arranged on the same axis (inline). They operate with **closed impellers**, achieving **optimal hydraulic performance** with low motor power. Inline pumps of this design are not self-priming.

Having **opposing suction and discharge ports**, the pumps can be installed in horizontal pipelines or connected directly to the tank.

The pumps of the IH series are suitable, for example, for supplying coolant to internally cooled tools.

For further information, please refer to the technical information for medium-pressure pumps.

### Applications

- Types of fluid
  - Industrial water
  - coolants
  - cooling/cutting oils
- Kinematic viscosity
  - ...25 mm<sup>2</sup>/s (25 cSt)
  - higher viscosity upon request
- Pumping temperature
  - 0...80° C

### Construction

|                  |            |
|------------------|------------|
| Pump body        | cast iron  |
| Connection cover | cast iron  |
| Casing cover     | cast iron  |
| Impellers        | CrNi-steel |
| Shaft            | CrNi-steel |
| Diffusers        | CrNi-steel |
| Mechanical seal  | SiC        |
| O-rings          | Viton      |
| Optional:        |            |
| Connection cover | CrNi-steel |
| Casing cover     | CrNi-steel |

### Noise level

|                 |        |
|-----------------|--------|
| IH1102...IH1106 | 63 dBA |
| IH1108...IH1114 | 71 dBA |
| IH1116...IH1121 | 74 dBA |

