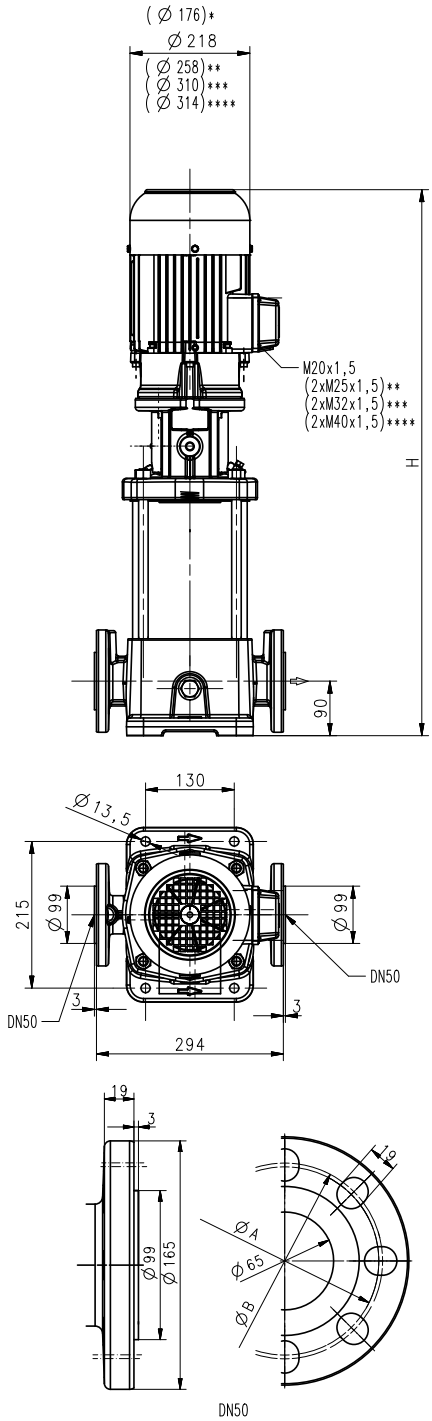
Inline pressure boosting pumps
IH14

Closed impellers

60 Hz

IH1402...1412



A=Ø125 mm DN50
B=Ø127 mm 2" ANSI
B=Ø130 mm JIS 2"
*) Dimension for IH1402
**) Dimension for IH1406
***) Dimension for IH1408...1410
****) Dimension for IH1412

Type	Vol. del. at manom. del. head l/min /m	Height H mm	Weight kg	Power kW	Voltage 3 ~ V	Frequency Hz	Current A	Speed 1/min
IH1402B33	250/38	945	56	2.94	460	60	5.1	3480
IH1403B33	250/58	984	71	4.55	460	60	7.9	3520
IH1404B33	250/77	1014	76	6.3	460	60	10.4	3510
IH1406B33	250/111	1094	107	8.6	460	60	13.7	3550
IH1408B52	250/147	1294	145	12.6	460	60	19.5	3560
IH1410B52	250/184	1294	146	15.0	460	60	23.6	3560
IH1412B72	250/222	1771	174	17.3	460	60	27	3555

60 Hz

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^2/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

IH1402	66 dBA
IH1403...IH1404	74 dBA
IH1406	77 dBA
IH1408...IH1410	79 dBA
IH1412	81 dBA