

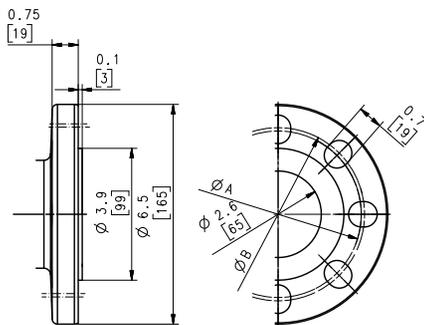
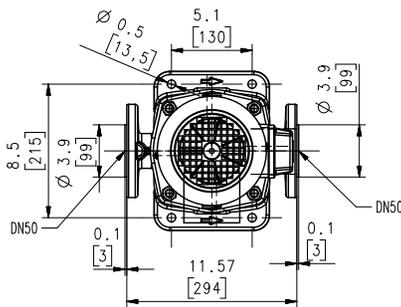
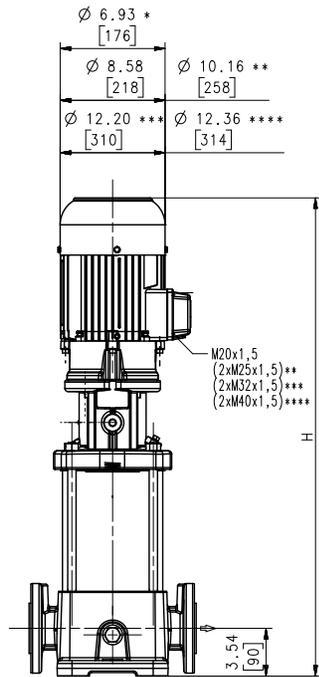
# Inline pressure boosting pumps

## IH14

### Closed impellers

60 Hz

#### IH1402...1412



#### DN50/ANSI/JIS

Dimensions in Inches / mm  
 A=Ø4.92 Inches/125 mm DN50  
 B=Ø5 Inches/127 mm 2" ANSI  
 B=Ø5.12 Inches/130 mm JIS 2"  
 \*) Dimensions IH1402  
 \*\*) Dimensions IH1406  
 \*\*\*) Dimensions IH1408...410  
 \*\*\*\*) Dimensions 1412

Type	Flow at head	Height	Weight		Power	Voltage	Fre-	Current	Speed
	GPM /Feet l/min /m	H inch mm	Lbs	kg	HP kW	3~ V	quen- cy Hz	AMPS	RPM
IH1402S33	62.5/115	37.2	123.5	56	3.9	230	60	10.2	3480
	250/38	945			2.94	460	60	5.1	3480
IH1403S33	62.5/180	38.7	156.6	71	6.1	230	60	15.8	3520
	250/58	984			4.55	460	60	7.9	3520
IH1404S33	62.5/240	39.9	168	76	8.4	230	60	20.8	3510
	250/77	1014			6.3	460	60	10.4	3510
IH1406S33	62.5/370	43.1	236	107	11.5	230	60	27.8	3550
	250/111	1094			8.6	460	60	13.9	3550
IH1408S52	62.5/490	50.9	320	145	16.9	230	60	39.2	3560
	250/147	1294			12.6	460	60	19.6	3560
IH1410S52	62.5/620	50.9	322	146	20.1	230	60	48.2	3560
	250/184	1294			15.0	460	60	24.1	3560
IH1412S72	62.5/730	69.7	384	174	25.0	460	60	28	3560
	250/222	1771			18.5				



**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.

Please see medium pressure pumps features in the Technical Information section of this catalog or call 248-926-9400 for details.

**Applications**

- Types of fluid  
 Industrial water  
 coolants  
 cooling/cutting oils
- Kinematic viscosity  
 ...115 SSU (...25 mm<sup>2</sup>/s)  
 higher viscosity upon request
- Pumping temperature  
 30...175 °F (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 <sup>®</sup>
<b>Optional:</b>	
Connection cover	CrNi-steel
Casing cover	CrNi-steel
<b>Noise level (Motor only; Tolerance +3 dBA)</b>	
IH1402	66 dBA
IH1403...IH1404	74 dBA
IH1406	77 dBA
IH1408...IH1410	79 dBA
IH1412	81 dBA

