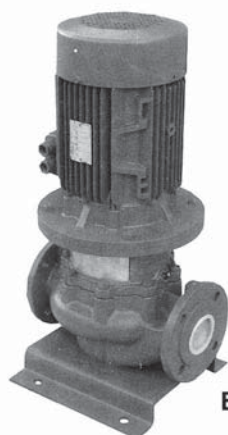
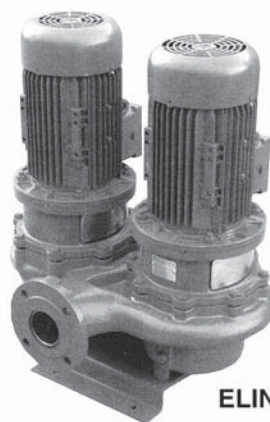


## VERTICAL IN-LINE PUMP


**ELINE**

**ELINE-D**

### APPLICATIONS

- Pressure heating systems
- Cold water circuits
- Cooling circuits towers
- Water supply (non-drinking)
- Pressure increase
- Distribution of domestic hot water supply. Mainly used in industry for pumping clear liquids, free of abrasive particles in suspension and chemically neutral.

### TECHNICAL FEATURES

**ELINE** : Vertical centrifugal pumps, single impeller, volute casing, non-self priming pump, in-line executive, with mechanical seal. Hydraulically designed in line with DIN 24255 standard.

**ELINE-D** : This model comprises two vertical centrifugal pumps in a single pump casing. Non-self priming pump, in-line executive with mechanical seal.

### CONSTRUCTION

**Casing** : One piece volute casing, in-line execution. Inlet-outlet in line with the same dimensions.

**ELINE-D** : This model comprises two twin vertical pumps hydraulically separated at the discharge by a flap. Standard shaft motor.

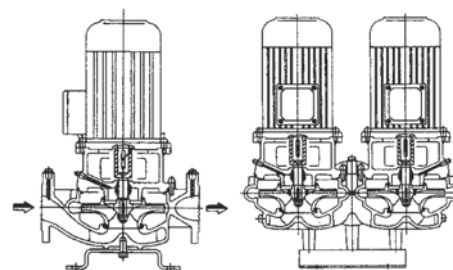
**ELINE** : Features a motor with standard coupled shaft. All models have a connection for fitting a pressure gauge and, if requested, another connection can be provided for the suction. A drain valve is mounted in the spacer.

**Impeller** : Closed radial impeller. Hydraulic compensation is achieved through holes on the discharge side in all models.

**Shaft seal** : Mechanical seal mounted on stainless steel shaft.

### MATERIAL

Designation	Standard Material	Optional
Casing	Cast iron (GG-25)	
Spacer	Cast iron (GG-25)	
Impeller	Cast iron (GG-20)	Bronze
Shaft	Stainless steel (1.4401)	
O-rings	KLINGERIT	
Mechanical seal	Carbon/Ceramic	



### WORKING ADVANTAGES

- Can be mounted without support in line up to 3kW
- Silent operation
- Reduce space
- Easy assembly / disassembly
- Maintenance-free and leakage-free
- The ELINE-D model can be used for duty / standby or duty / assist

### GENERAL DATA (ELECTRIC MOTOR)

Pump type	Size DN	Flow Q (m³/h)	Total differential head H (m)	Temperature t (°C)*	Max. Speed r.p.m.
EBARA ELINE	40-50-65-80-100	≤ 160	≤ 58	-10°C → + 120	≤ 3.600
EBARA ELINE-D	40-50-60-80	≤ 220	≤ 58	-10°C → + 120	≤ 3.600

- Three-phase IP55, with flange
- Rotation speed : 1.450 – 2.900 r.p.m.
- Voltage : up to 4kW: 230/400V; higher than 4kW : 400/700V
- Frequency: 50Hz (60 Hz upon request)
- Insulation : Class F
- Ambient temperature : 40°C max

### MODEL DEFINITION

