

## 2 General

### 2.1 Description of the pump

The CombiLine is a built-in circulation pump with a dry motor. That means that the medium to be pumped will not get into the electric motor. The pump is provided with a mechanical seal with bellows. The CombiLine has been designed as a monoblock pump which means that pump and electric motor have been assembled to form one compact unit. Suction and delivery flange are in-line, so the pump can easily be built into straight pipes without a foundation being required.

The CombiLine is available in single- and double-speed construction . Turning the pump at the lower speed will result in considerable energy savings.

➤ *A single-speed CL pump can be converted into a two-speed one any time by mounting a different stator packet. In only a few cases it will be necessary to change the size of the motor casing as well.*

### 2.2 Typification

Pumps of the CombiLine family are available in a number of types. The most important characteristics of a pump are mentioned in the typification.

Example: **CL 65-200 1,5 kW 1450 min<sup>-1</sup> 400/695V 50 Hz**

CL	= pump family (CombiLine)
65	= diameter suction and delivery connection in mm
200	= nominal impeller diameter in mm
1,5 kW	= electric motor power
1450 min <sup>-1</sup>	= speed
400/695V	= voltage of the electric motor
50 Hz	= mains frequency