

# CombiLine

## In-line circulation pump with dry motor



### System characteristics

The CombiLine is a part of the CombiSystem, a family of different pump types having high interchangeability in parts.

Suction and discharge connections are “in-line” allowing easy installation in piping system.

### Applications

The CombiLine is suitable for handling low-viscosity, clean or slightly contaminated liquids non corrosive to cast iron and/or plastic material. For e.g. potable water systems, industrial buildings and also in the agriculture and horticulture.

### Pump specifics

- Suitable for a wide span of duties
- Compact and modular design
- Comes standard with bellows mechanical seal, EN 12756 (DIN 24960)
- Deliverable in single and double speed execution
- Dry shaft construction by means of shaft sleeve
- Specially designed low NPSH suction inlet casing
- High interchangeability in spare parts between different sizes, thus limiting spare parts stock levels

### Technical data

Maximum capacity:	150 m <sup>3</sup> /h
Maximum delivery head:	16 m
Maximum liquid temperature:	140 °C
Maximum operating pressure:	6 bar (ND 6)
Nominal motor speed	10 bar (ND 10)
electric motor:	1450 rpm (50 Hz, 4-pole) 1750 rpm (60 Hz, 4-pole)
2-speed motor:	1450/950 rpm (50 Hz, 4-pole/6-pole)
Dahlander connection:	1750/1150 rpm (60 Hz, 4-pole/6-pole)
Motor protection:	IP 55
Motor voltage:	50 Hz   230/400 V (≤1.5 kW) 400/695 V (≥2.2 kW)
	60 Hz   277/480 V (≤1.5 kW) 480/830 V (≥2.2 kW)
	(other voltages/speeds on request)
Available options:	Steel welding neck flanges Frequency converter

### Materials

<b>Pump casing</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Motor shaft</b>	Stainless steel
<b>Shaft sealing</b>	Carbon graphite/Ceramic
<b>Shaft sleeve</b>	Bronze
<b>Lantern piece</b>	Cast iron

