



Movitec

High-pressure In-line Pump



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|------------------------------|-------------------------|---|
| • Spray irrigation systems | • Fire-fighting systems | • Water supply systems |
| • General irrigation systems | • Pressure boosting | • Heating, ventilation and air-conditioning systems |
| • Washing plants | • Industrial plants | • Marine applications |
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More information
www.ksb.com/en-gb



Movitec – High-pressure In-line Pump

Operating data

Characteristic		Value	
		Movitec LHS	Movitec V, VS, VC
Flow rate	Q [m³/h]	≤ 8,6	≤ 160
	Q [l/s]	≤ 2,4	≤ 44,4
Head	H [m]	≤ 401	≤ 249
Fluid temperature	T [°C]	≥ -15	≥ -20
		≤ +120	≤ +140 ¹⁾
Operating pressure	p [bar]	≤ 40 ²⁾	≤ 40 ²⁾

Benefits

■ Energy efficiency

- The pumps are highly efficient.
- Very low NPSH values make for efficient operation.
- The combination of KSB SuPremE IE5 motor and PumpDrive makes for maximum energy efficiency, with full transparency of pump performance.

■ Flexible

- A large range of materials and connections makes the pump suitable for many different applications.
- The pump is suitable for extended temperature and pressure ranges.
- Special hydraulic systems, i.e. specially developed low-NPSH impellers, are available for critical applications.

■ Reliable

- Product-lubricated plain bearings made of tungsten carbide ensure long-term functionality.
- The robust pump foot and the torsion-resistant casing make for structural stability.
- Confined O-rings ensure reliable sealing.

■ Service-friendly

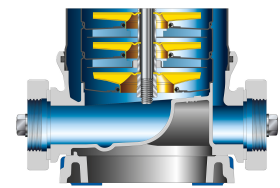
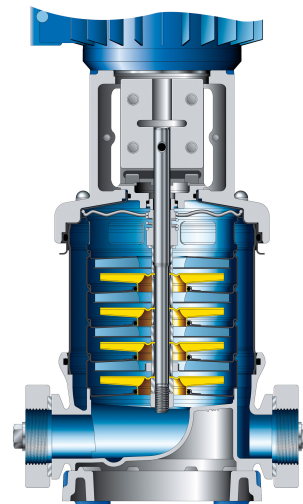
- The pump can be fitted with any standardised mechanical seal to EN 12756.
- Easy Access and cartridge mechanical seals allow for fast and straightforward replacement.

■ Long service life

- Corrosion-resistant hydraulic components made of stainless extend the service life.

■ Ground-breaking features for energy savings

- PumpDrive's variable speed control makes for maximum efficiency.
- When used in combination with the KSB SuPremE® motor, the pump achieves efficiency level IE5. ³⁾



Movitec hydraulic system for low-NPSH applications: same height as standard version, for easy interchangeability

Materials

Component	Materials		Sizes 2/4/6/10/15/25/40/60/90 /125		
			VC	V	VS
Baseplate	Grey cast iron ⁴⁾	JS1030/ JL1040	-	●	●
	Cast stainless steel	1.4308	-	○	○
Pump casing	Grey cast iron ⁵⁾	JL1040	●	-	-
	Cast stainless steel	1.4308	-	●	-
	Cast stainless steel	1.4408	-	-	●
Hydraulic system of the pump	Stainless steel	1.4301	●	●	-
	Stainless steel	1.4404	-	-	●
	Cast stainless steel ⁶⁾	1.4308	●	●	-
	Cast stainless steel ⁶⁾	1.4408	-	-	●

- Standard (pre-configured model)
- Optional
- Not available

- 1 For fluid temperatures > 120 °C the pressure class must not exceed PN 25.
- 2 The sum of inlet pressure and shut-off head must not exceed the value indicated.
- 3 *IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW: IE5 in preparation)
- 4 Powder-coated / JS 1030 or JL 1040, depending on strength required
- 5 With cathaphoretic coating
- 6 Sizes 90 and 125 only