

KMEV

Multistage Vertical Shaft Centrifugal Pumps



KMEV Multistage Vertical Shaft Centrifugal Pumps

Suction Flange	DN 125 DN 150
Discharge Flange	DN 100 DN 125
Operating Pressure	40 Bar
Speed Range	1500 – 1800 RPM
Capacity Range	30 – 300 m ³ /h
Head Range	30 – 190 m



Fields of Application

Drinking water stations,

In high-rise buildings and industrial pressurization systems,

Water treatment stations,

In boiler feed and condensate systems,

In the sanitary and cleaning sectors,

Water distribution systems,

In shipping, mining and energy sectors,

In irrigation systems,

In central heating systems.

Design Specification

KMEV series pumps are vertical shaft, multistage, non-self-priming, centrifugal pumps with separable stage casings.

The pump impellers are dynamically balanced, single-entry, closed-type impellers, with the shaft bearing the impellers on both sides. Impellers can be trimmed to meet the desired operating point.

Wear rings and balancing holes are used behind the impeller to balance the axial force.

In the standard installation, the discharge casing is on the motor side and the suction casing is on the bottom side. Other mounting alternatives are available upon request.

The suction and discharge flanges can be oriented in different positions at 90° intervals.

Sealing Applications

Uncooled stuffing box or mechanical seal (up to 90 °C, standard application).

Standardized, water-cooled mechanical seals can be applied (up to 140 °C).

Bearings

Double row ball angular contact bearings (3300 C3 Series) are used on the discharge side of the pump.

There is a sliding bearing on the suction side.

Pump Tagging

KMEV 100 – 6

Series Name

Discharge Flange Nominal Diameter (mm)

Stage Number

PART	MATERIAL					
	Cast Iron GG25	Ductile Cast Iron GGG40	AISI 420	AISI 304	AISI 316	Cast Bronze CuSn10
Suction & Discharge Casing	●	○		○	○	○
Stage Casing	●	○		○	○	○
Impeller	●	○		○	○	○
Diffuser	●	○		○	○	○
Gland		●		○	○	○
Shaft			●	○	○	
Shaft Sleeve			●	○	○	
Stuffing Box	●	○		○	○	○
Bearing Housing	●	○				
Bearing Cover	●	○				

● Standard Material

○ Optional Material

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