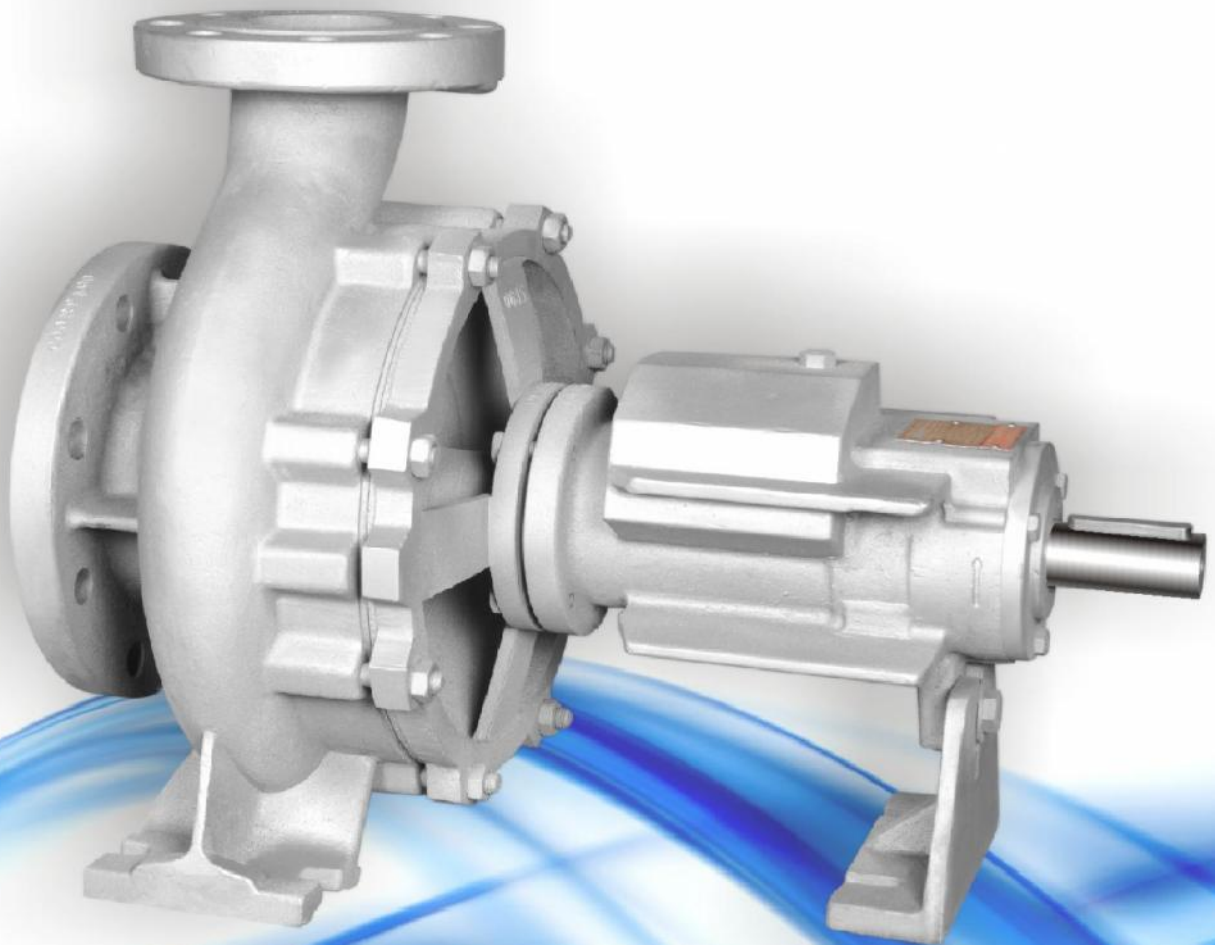


SMART iPump



A **Bajaj** Pumps Company

**K-fins**[®]
Redefine Pumping
K-fins Pumps (P) Ltd

Introduction

K - fins is an innovative and efficient centrifugal pump technology company. We are committed to worldwide excellence with a complete range of pumps. Our broad product line complies with most demanding quality standards and industry specifications. Our manufacturing facilities are all ISO 9001 certified and are fully equipped with state of the art, sophisticated CNC machines, foundry, pump manufacturing plant, operating offices and service centers in many parts of the world.

features

The iPump is a horizontal volute casing, single stage centrifugal pump. is manufactured in accordance with Din 24256 (ISO 2858) standard. Designed for thermic fluids and hot water process conditions, Sturdy discharge cover designed for high stiffness, Optimised heat barrier & low wear. Design variant with bearing for high resistance, Reinforced deep-groove ball bearing with special grease fill for long service life, optimised shaft contour ensures reliable removal of leakage, Highly effective venting contour ensures optimum venting, Confined gaskets, Design variant with mechanical seal in tandem arrangement, Anti-seize plain bearing lubricated by the fluid handled, Optimised hydraulic system yields high efficiency, Impeller trimmed to match the specified duty point, Suitable for variable-speed operation and equipped with motor standard, Easy to maintenance for it's back-pull-out design which allows the pump to be dismantled without disturbing the suction and discharge pipework, Ideal for thermal fluids at 350 C high temperature. without needing any type of external air conditioning !

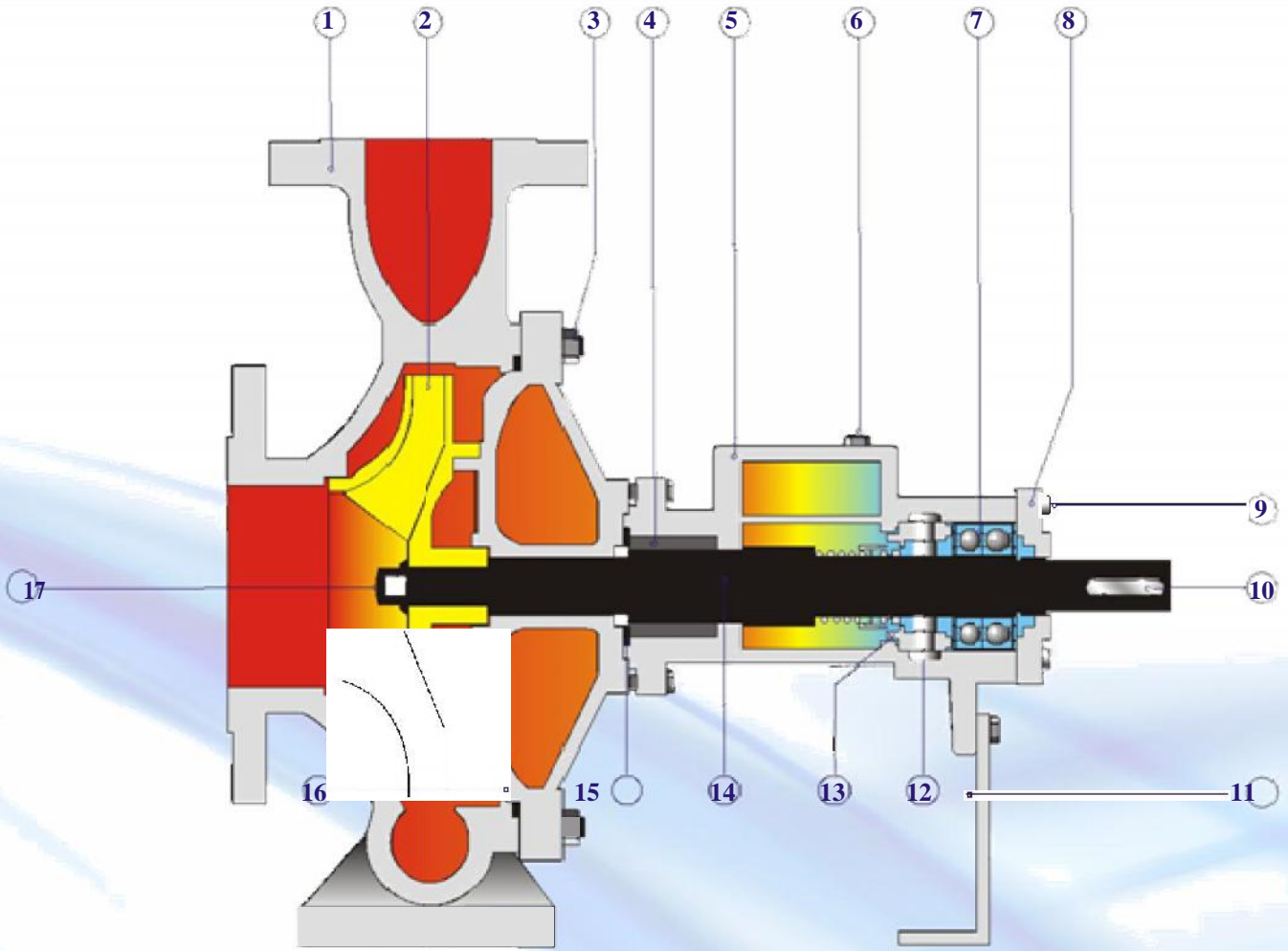
Applications

To support core markets which are Oil and Gas, Textile, Chemical, Paper and Sugar, Plastic, Pharmaceutical & Food, Plywood, Rubber, Water, and Industrial Applications.

Specifications	Thermal Fluid	Hot Water
Max. flow rate	10 to 750 m ³ /h	10 to 750 m ³ /h
Max. head	8 to 110 meters	8 to 110 meters
Fluid temperature	350 C	80 C to 180 C
Max. operating pressure	16 bar	16 bar
Speed	1450 to 2900 rpm	1450 to 2900 rpm

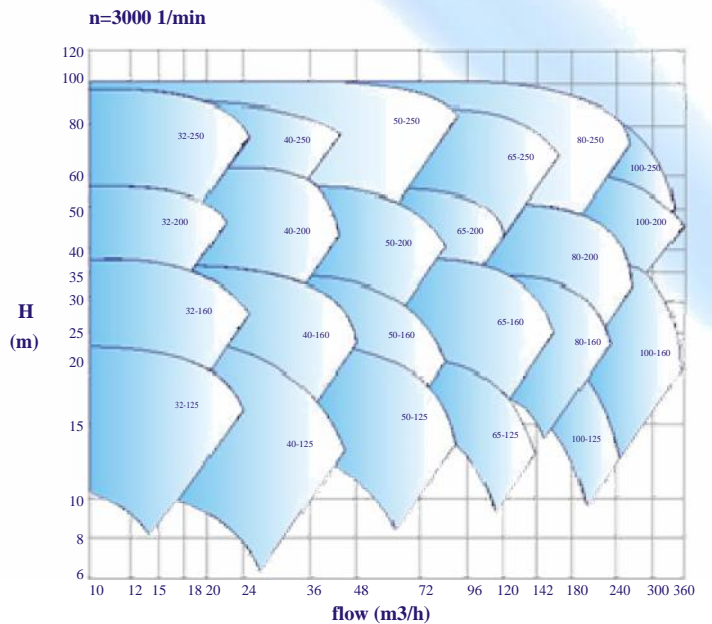
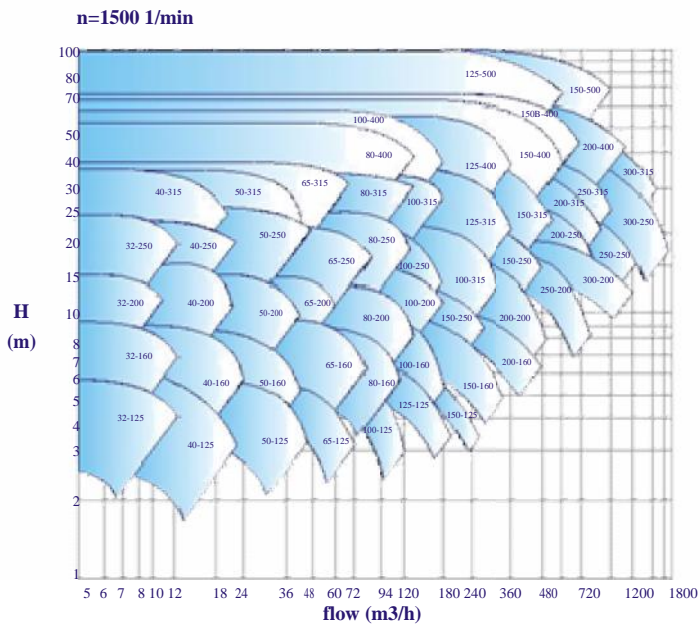
Material of Construction

Volute casing	Nodular cast iron GJS-1025
Discharge cover	Nodular cast iron GJS-400-15
Shaft	Chrome steel 1.4021+OTHRC55
Impeller	Nodular cast iron GJS-1025
Wear rings	Grey cast iron
Bearing bracket	Nodular cast iron GG-26



- | | | |
|--------------------|------------------|---------------------|
| 1. Casing | 7. Ball Bearing | 13. Mechanical Seal |
| 2. Impeller | 8. Bearing Cover | 14. Shaft |
| 3. Stud | 9. Hex Bolt | 15. Gasket |
| 4. Plain Bearing | 10. Key | 16. Stuffing Box |
| 5. Bearing Housing | 11. Support Leg | 17. Impeller Nut |
| 6. Plug | 12. Seal Hub | |

Flow Chart





ICVIP



iPump



ICP

Other Products

ICVIP Applications

Textile
Chemical
Fire Fighting
Food
Pharmaceutical
Water Hydrant System etc.
Max. temperature 160° c

iPUMP Applications

Textile, Chemical
Oil, Gas
Food, Pharmaceutical
Paper, Sugar
Plastic, Rubber and
Plywood etc.
Max. temperature 350 c

ICP Applications

Textile
Chemical
Food
Pharmaceutical
Paper
Pulp
Max. temperature 160 c