

GITA PUMPS

AN ISO 9001:2008
CERTIFIED COMPANY

Centrifugal Pumps Type 'KCP'



APPLICATIONS

**CHEMICAL, PETROCHEMICAL,
REFINERY, NUCLEAR,
FERTILISER, TEXTILE, PAPER,
SUGAR, POWER PLANT.**

Gita 'KCP' type pumps are used in all processing industries such as chemical, petrochemical, refinery, nuclear, fertilizer, textile, paper, sugar and power plants. Liquid handled are various acids, alkalies, salt solutions, caustic solutions, oils, hydrocarbons, liquid gases, condensate, hots oils, hot water etc.

DESIGN FEATURES:- Types KCP pumps are end suction, backpull out horizontal shaft design. Hydraulically efficient volute has a self venting centerline delivery with suction and supporting feet cast integrally.

IMPELLER:- A choice of enclosed semi open and fully open impellers is available. Impellers retain high efficiency, are hydraulically balanced and have back vanes and holes for hydraulic balancing and have positive locking impeller nut.

SHAFT:- Shaft are liberally designed for minimum deflection and supported on deep Groove Ball Bearings.

STUFFING BOX:- Specially designed to accommodate packing rings or mechanical seal and having jacket for cooling or heating the stuffing box.

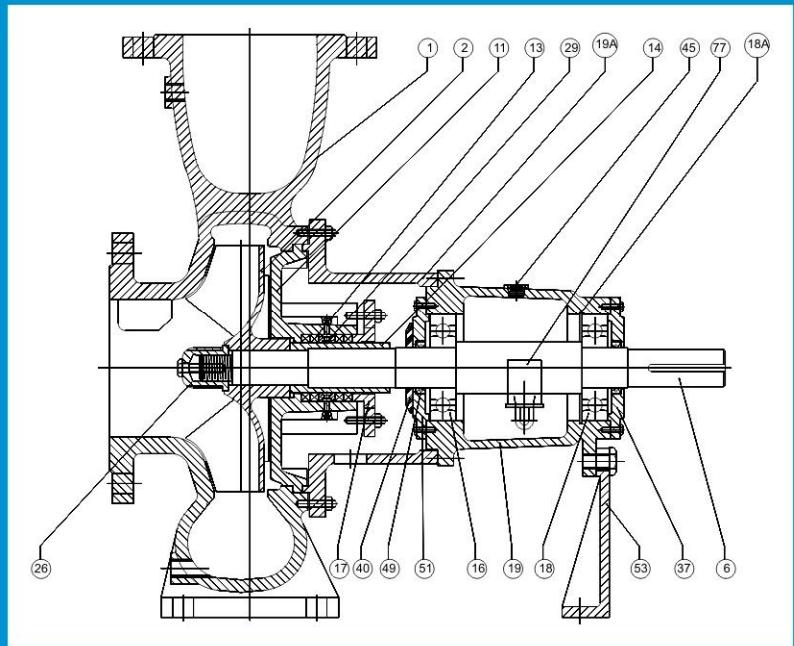
FLANGES:- Drilling in flanges is provided as per Din, 2533/Din-2543/1S,BS,ASA or ANSI as per customer's request.

MATERIAL OF CONSTRUCTION:- Pumps are available in C.I., Bronze, Stainless Steel or a combination of these and other special metals.

INTERCHANGEABILITY:- Considerable saving is made in spare parts inventory. There are only 4 to 5 bearing bracket subassemblies to cover 32 models.

CROSS SECTIONAL VIEW OF "KCP" PUMPS

No.	Part Name	Qty. Per Reqd. Pump
1	VOLUTE CASING	1
2	IMPELLER	1
6	PUMP SHAFT	1
11	GLAND SIDE COVER	1
13	PACKING (GLAND)	4-6 PCS
14	SHAFT SLEEVE	1
16	BALL BEARING (INBOARD)	1
17	GLAND	1
17A	PRESSURE RING (GLAND)	1
18	BALL BEARING (OUT BOARD)	1
19	BRG. BRACKET	1
19A	DISTANCE PIECE	1
26	IMPELLER NUT	1
29	CAGE RING	1
37	BEARING COVER (OUT BOARD)	1
40	DEFLECTOR	1
45	VENT PLUG	1
49	OIL SEAL	2
51	BRG. COVER (IN BOARD)	1
53	BRACKET SUPPORT	1
63	BUSH (GLAND COVER)	1
36A	DRAIN TRAY	1
77	CONSTANT LEVER OILER	1



RANGE OF SIZES:- Upto 300 mm Delivery size.

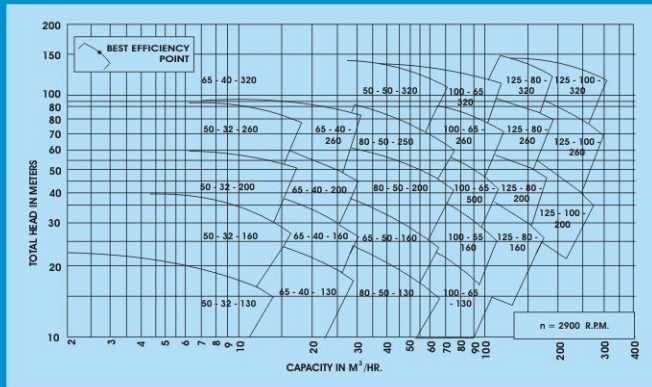
CAPACITY:- Upto 1000 M³/HR

HEAD : Upto 180M

SPEED:- 1450 to 2900 RPM

TEMPERATURE : -30°C to + 300.

STANDARD:- Din-24256/ISO -2858/API-610



PERFORMANCE CHARACTERISTICS 2900 RPM MODEL "KCP"

