

# GITA PUMPS

AN ISO 9001:2008  
CERTIFIED COMPANY

**Horizontal  
Split Casing  
Pumps  
'SD'**



**APPLICATIONS:- INDUSTRY,  
WATER WORKS, SPRAY WATER,  
COOLING TOWER, IRRIGATION,  
PROCESS PLANTS, GENERAL SERVICE.**

**DESIGN FEATURES:-** Gita make 'SD' pumps are horizontal split casing, horizontal shaft pumps with double suction impeller. Suction and delivery branches are cast integral with lower half casing. Inspection is easy and quick by removing upper casing and rotor assembly.

**RANGES OF SIZE:-** Available from 80mm suction to 750mm suction sizes. Head range from 5 to 80 meters and capacity from 15 to 7000 Cu.M. per hour.

**CONSTRUCTION DETAIL:**

**CASING:-** Close grained cast iron, split horizontally, delivery and suction branches cast with lower half casing. By removing top half, rotor assembly can be removed for inspection.

**IMPELLER:-** Double Suction, closed impeller, machined all over, internal passages hand finished for high efficiency, dynamically balanced after mounting on shaft.

**SHAFT:-** Sturdily designed for maximum load with adequate safety factor, ground finished and protected from liquid by sleeves.

**IMPELLER NECK RINGS:-** Renewable neck rings are provided to keep suction improved, secured in lower half casing by spigot joint.

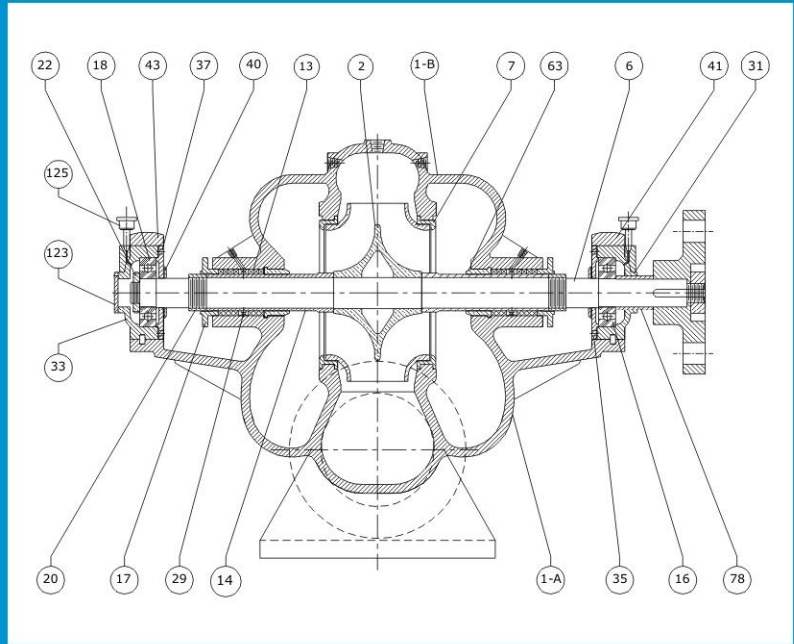
**BEARINGS:-** Antifriction grease lubricated, heavy duty ball bearings capable of carrying heavy loads in either direction for continuous operation.

**FLANGES:-** Drilled as per BS-10 table D or other standard as per customer's option.

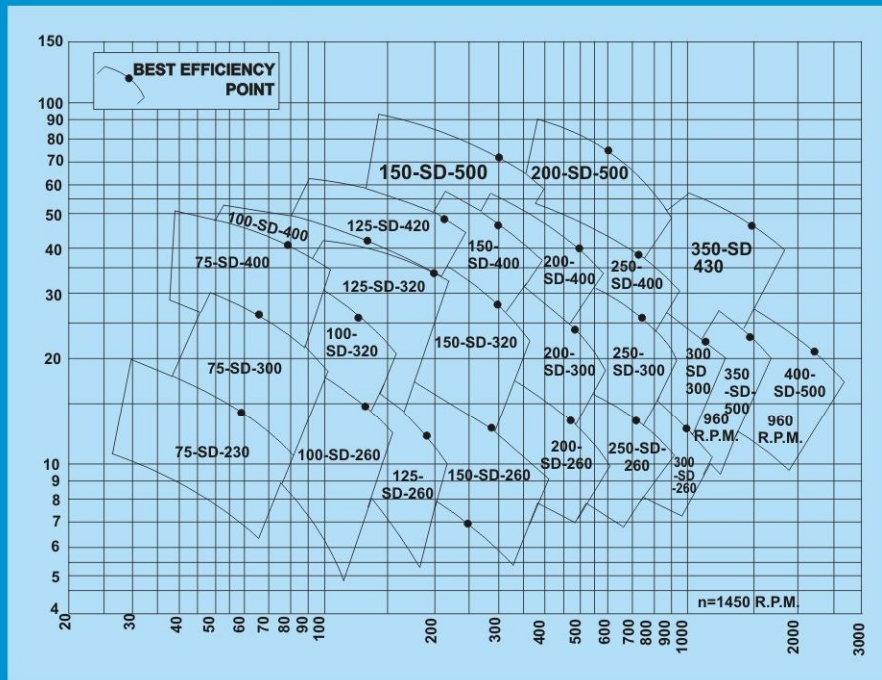
**ROTATION:-** Clockwise, looking from drive end or as per customer's option

# CROSS SECTIONAL VIEW OF "SD" PUMPS

No.	Part Name	Qty. Per Reqd. Pump
1A	CASING (LOWER HAFT)	
1B	CASING (UPPER HALF)	
2	IMPELLER	
6	SHAFT (PUMP)	
7	WEAR RING IMPELLER	
13	GLAND PACKING	
14	SHAFT SLEEVE	
16	BEARING (IN BOARD)	
17	GLAND	
18	BEARING (OUT BOARD)	
20A	SHAFT SLEEVE NUT	
20B	SHAFT SLEEVE NUT	
22	BEARING LOCK NUT	
29	CAGE RING	
31	BEARING HOUSING (IN BOARD)	
32	IMPELLER KEY	
33	BEARING HOUSING (OUT BOARD)	
35	BEARING COVER (IN BOARD)	
37	BEARING COVER (OUT BOARD)	
40	DEFLECTOR	
41	BEARING HOUSING CAP (IN BOARD)	
43	BEARING HOUSING CAP (OUT BOARD)	
44	COUPLING (PUMP HALL)	
46	COUPLING KEY	
50	COUPLING LOCK NUT	
63	STUFFING BOX BUSHING	
78	BEARING SPACER	
123	BEARING HOUSING END COVER	
125	GREASE CUP	
127	GLAND SEALING PIPE	
175	AIR COCK	
176	SLEEVE SPACER	



## PERFORMANCE CHARACTERISTICS 1450 RPM MODEL "SD"



**GITA PUMPS INDIA PVT. LTD.**

H.O: POST BOX 32, GITA COMPOUND, PAPER MILL ROAD, SAHARANPUR - 247001  
 WORKS : VILL-CHHAJPURA, P.O.: KAILASHPUR, DEHRADUN ROAD, SAHARANPUR  
 PHONE: 0132-2786540, 2786541(FAX), 2786509, 9639013245, Upto 56, 9639013246,  
 Email: sales@gitapumps.com Website: www.gitapumps.com