



HICSON PUMPS

SELF PRIMING PUMPS MODEL 'LD'

FEATURES

- Direction of rotation is clockwise looking from drive end.
- Designed for continuous operation handling clear water containing air or gas
- Robust and durable for many years of operation.
- Suction lift upto 9 meters.
- Max. temperature is 60°C.
- Max. Speed is 1800 RPM.

APPLICATION

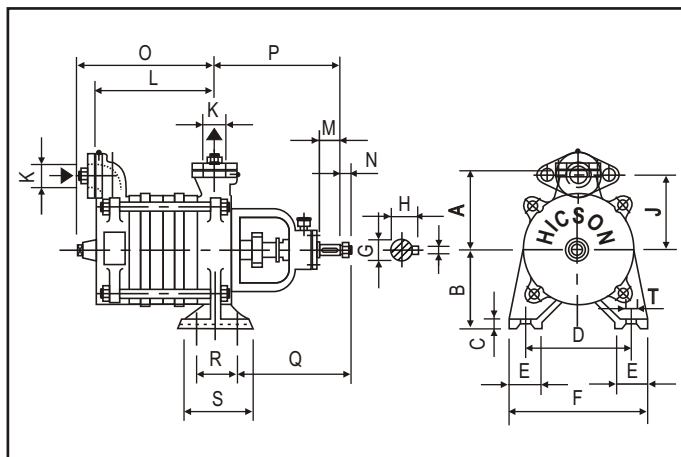
- Water supply for Industries, flats, hotels etc.
- Car washing ● Buildings ● Booster Applications etc.

DESCRIPTION

Pump type 'LD' are horizontal, regenerative self priming pumps. Delivery branch is vertical and suction branch is horizontal. Rotor is supported by antifriction bearing at drive end and bush bearing at free end. Pumps are provided with stuffing box packings. Counter flanges are provided with BSP thread.

MATERIAL OF CONSTRUCTION

- Casing – Close grained Cast Iron
- Impeller – H.T. Brass
- Shaft – Stainless Steel



PUMP MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	WT. IN KG. (Approx)
LD 101 B	90	90	10	120	35	156	12	15	4	94	25	100	24	13	109	147	135	50	86	13	10
LD 102 B	90	90	10	120	35	156	12	15	4	94	25	134	24	13	143	147	135	50	86	13	12
LD 201 B	112	112	15	160	36	196	16	18	5	100	32	106	36	15	115	168	153	70	105	13	15
LD 202 B	112	112	15	160	36	196	16	18	5	100	32	146	36	15	155	168	153	70	105	13	18
LD 203 B	112	112	15	160	36	196	16	18	5	100	32	186	36	15	195	168	153	70	105	13	21
LD 301 B	112	112	15	160	36	196	16	18	5	100	32	106	36	15	115	168	153	70	105	13	15
LD 302 B	112	112	15	160	36	196	16	18	5	100	32	146	36	15	155	168	153	70	105	13	18
LD 303 B	112	112	15	160	36	196	16	18	5	100	32	186	36	15	195	168	153	70	105	13	21

All dimensions are millimeters unless otherwise stated

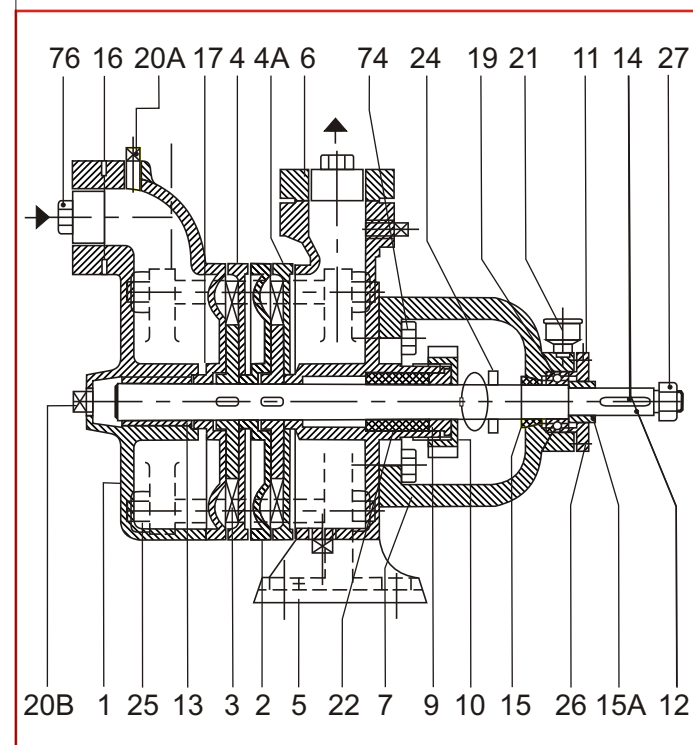
Casting dimensions are approximate

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CAPACITY TABLE FOR 'LD' TYPE PUMPS

TOLERANCE ON CAPACITY ± 10%		1425 R. P. M.		50 CYCLES		SP. GR. = 1.0				
PUMP TYPE	SUCTION & DELIVERY BRANCHS MM	MAX HEAD M	MOTOR HP	CAPACITY & TOTAL HEAD						
LD 101 B	25 X 25	14	0.50	LPM	12	15	19	21	-	-
				M	14	12	10	9	-	-
LD 102 B	25 X 25	24	0.50	LPM	14	15	20	23	-	-
				M	24	22	16	12	-	-
LD 201 B	25 X 25	16	1.00	LPM	19	22	25	27	-	-
				M	16	15	13	12	-	-
LD 202 B	25 X 25	30	1.00	LPM	17	20	25	30	35	-
				M	30	27	23	18	13	-
LD 203 B	25 X 25	45	1.50	LPM	14	20	25	30	35	-
				M	45	40	34	26	16	-
LD 301 B	32 X 32	18	1.00	LPM	30	40	50	58	-	-
				M	18	16	13	10	-	-
LD 302 B	32 X 32	21	1.00	LPM	30	40	50	60	65	70
				M	34	30	24	18	14	10
LD 303 B	32 X 32	60	2.00	LPM	20	30	40	50	60	75
				M	60	52	44	35	26	12



LIST OF PARTS

- | | |
|-------------------------|-------------------------|
| 1 Suction Cover | 15A Collar Ring (Outer) |
| 2 Intermediate Part II | 16 Flange Gasket |
| 3 Impeller | 17 Paper Gasket |
| 4 Intermediate Part I | 19 Ball Bearing |
| 4A Intermediate Part IU | 20A Plug |
| 5 Delivery Cover | 20B Plug |
| 6 Counter Flange | 21 Grease Cup |
| 7 Bracket | 22 Gland Packing |
| 9 Gland | 24 Water Slinger |
| 10 Gland Nut | 25 Tie Bolt & Nut |
| 11 Bearing Cover | 26 C'SK Screw |
| 12 Shaft | 27 Nut, Shaft End |
| 13 Bush Bearing | 74 Hex, Hd. Screw |
| 14 Key | 76 Bolt & Nut |
| 15 Collar Ring (Inner) | |

Manufacturer reserves the right to change specification and data for improvement in design.

Authorised Dealer :