

EXTERNAL GEAR PUMP

→ FEATURES

- All Positive displacement rotary gear pumps are self priming pumps with suction lift of 3 meters at mean viscosity and speed 1440 rpm.
- The KEG series of KDS pump has modified profile of teeth to give accurate discharge within the pressure range.
- The helical gear design delivers constant volume without pulsation. It also reduces internal slippage and gives high volumetric efficiency.
- Compact in size and highly economical
- All these are self lubricated pumps recommended for use where the liquid to be transferred has lubrication properties. Hence the bearings are lubricated by the pumping fluid and do not need any external lubrication.
- Easy maintenance due to availability and interchangeability of spares.
- All Efficient gear pumps are designed and assembled with close tolerances to reduce the mechanical losses, thus it consumes less power and operates at higher efficiency.



APPLICATION

- ➔ “KDS” Rotary gear pumps are useful for handling following viscous and semi viscous liquid
- ➔ Clean lube oil, Castor oil, Coconut oil, Ground nut oil, Cotton seed oil and Hydraulic oil.
- ➔ All kind of vegetable oils.
- ➔ Paints & Varnish
- ➔ All Kind of fish and animal oils.
- ➔ Soap Solutions
- ➔ Sugar molasses and syrups.
Printing Ink.
- ➔ Glycerin, Glycol and glue
Viscous Chemical

RANGE

- ➔ Pressure : Up to 12 Kg / cm²
- ➔ Discharge: 10 LPM to 1000 LPM
- ➔ Pipe Size: 1/4” BSP to 4” BSP

MATERIAL OF CONSTRUCTION

CI

Pump Body	: C.I. Gr.FG 200
Back Cover	: C.I.Gr.FG 200
Gland Cover	: C.I.Gr. FG 200
Rotor Assembly	: Gear – SAE 8620/Shaft – EN – 8
Bush	: Sintered Bonze
Oil seal	: Nitrile Rubber
Rotor Shaft Key	: M.S.
Packing	: Prespane Paper

SS

CF-8M/SS316/SS316L
CF-8M/SS316/SS316L
SS316/SS316L
SS316/SS316L
SS316
Teflon
M.S.
Teflon

CAST IRON PUMP PERFORMANCE TABLE

MODEL	SUC X DEL MM	CAPACITY		PRESSURE IN KG/CM										NET WEIGHT KGS
				1	2	3	4	5	6	7	8	9	10	
		LPM	M3/HR	MOTOR REQUIRED IN HP(SPEED 1440 RPM)										
KGP-10	10X10	10	0.6	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.75	0.75	2.4
KGP-15	15X15	20	1.2	0.5	0.5	0.5	0.5	0.75	0.75	0.75	0.75	1	1	2.8
KGP-20	20X20	30	1.8	0.5	0.5	0.75	0.75	0.75	1	1	1	1.5	1.5	5
KGP-25	25X25	50	3	0.5	0.75	0.75	1	1	1.5	1.5	1.5	2	2	6
KGP-40	40X40	110	6.6	1.5	2	3	3	3	3	5	5	5	5	11
KGP-50	50X50	225	13.5	3	3	5	5	5	5	7.5	7.5	7.5	12.5	18.5
KGP-65	65X65	350	21	5	7.5	7.5	10	10	10	12.5	12.5	15	15	29
KGP-80	80X80	500	30	7.5	10	10	12.5	12.5	15	15	17.5	20	20	45

SS-316 PUMP PERFORMANCE TABLE

MODEL	SUC DEL MM	CAPACITY		PRESSURE IN KG/CM			WT PUMP IN KGS(APPROX)
		LPM	M3/HR	02/KG/CM	04/KG/CM	08/KG/CM	
KGPS-025	10X10	5	0.3	0.25	0.25	0.75	3.5
KGPS-50R	15X15	15	0.9	0.5	0.5	1	3.8
KGPS-50	15X15	25	1.5	0.5	1	1.5	4
KGPS-100	25X25	50	3	1	1.5	2	6
KGPS-125	32X32	80	4.8	2	3	5	11
KGPS-150	40X40	125	7.5	2	3	5	15
KGPS-200R	50X40	150	9	3	5	7.5	21
KGPS-200	50X50	200	12	5	7.5	10	22