

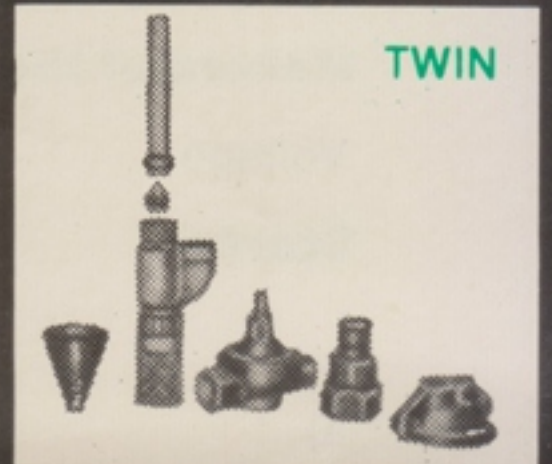


# EJECTO JET PUMP

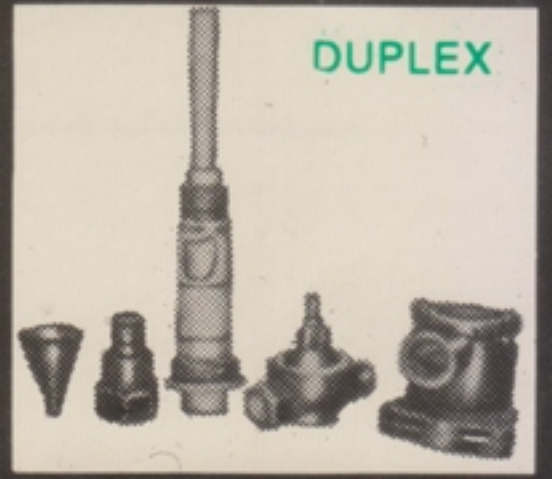
IDEAL FOR  
SUPPLYING FRESH WATER  
FOR DOMESTIC & INDUSTRIES  
CAN BE INSTALLED ON  
OPEN-WELL. TUBE-WELL &  
UNDER GROUND TANK



PACKER



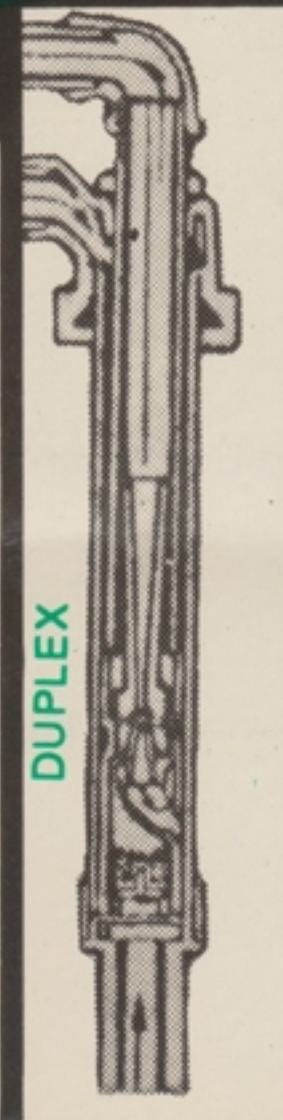
TWIN



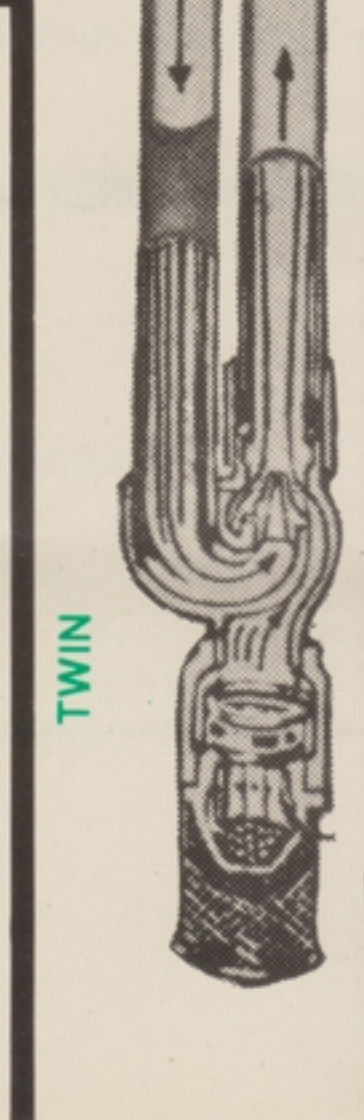
DUPLEX



PACKER



DUPLEX



TWIN

Manufactured by :



**K. G. Industries**

CALCUTTA

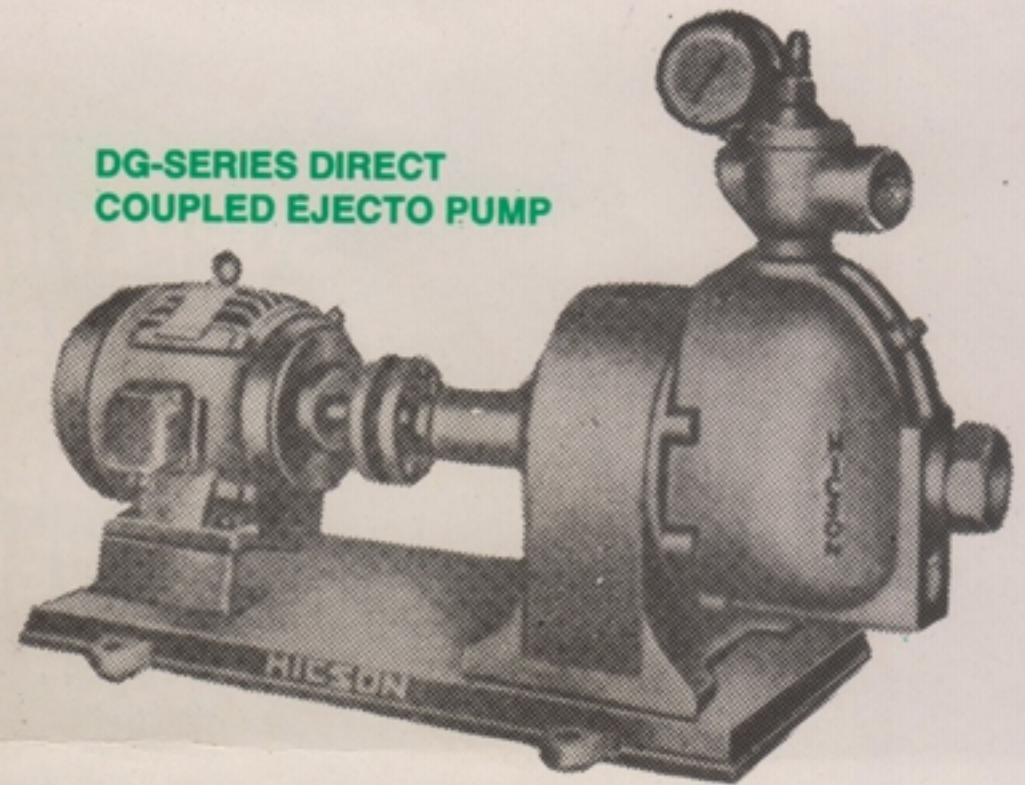




## EJECTO JET PUMPS FOR HIGHER CAPACITY AT A LOWER COST

**Performance Range :**

Series	Suction Lift	Capacity	Discharge Head
DG 50	30 to 120 ft.	570 to	60 to 150 ft.
to 200		2350 US, GPH. (8900 LPH)	
For	Upto 140 ft.	7200 US, GPH.	160 ft.
DG-300 & 500	43 Metres	(27200 LPH.)	49 Metres



**DG-SERIES DIRECT  
COUPLED EJECTO PUMP**

**Drive :** Ejecto Jet Pumps can be driven by Electric Motor 220/440 volts as well as Diesel, Petrol, Kerosene Engine, depending upon the speed, it is coupled directly or with a V-Belt Drive to Motor/Engine.

- MINIMUM INITIAL COST - Avail Maximum Capacity at High-Pressures-Water per Rupee Invested.
- LONG LIFE - No Lubrication because the Pump has only one Moving Part.
- CORROSION NIL - Because made of all Gun Metal-Nozzle, Ventury Pipe & Ejector Body.
- OFF-SET INSTALLATION - The Pump can be easily installed at most desired location from the well also.
- TWIN & PACKER TWO TYPES - For Open wells and Tubewells.
- GREATER RELIABILITY - For Improved Construction under experts and Design ensure all time reliability also for Graded Castings, Bronze Impeller and Improved Rotary Seal.
- Stainless steel shaft will not Rust or corroder Long Life.

**"HICSON"** Brand Deep Suction Ejecto Pump suitable for lifting water from a depth of 140 feet and discharge upto 160 feet head, coupled with suitable Electric Motor 440/220 Volts mounted on a common base frame by means of Vee Pulley and V-Belt. P/gauge complete with Ejecto Assembly as per following details.

**Pump Series :**

**Makers of the Electric Motor-**

Voltage-

RPM-

Type-

**Starter-**

Standard Equipments to be supplied with the Pump.

a)

c)

b)

d)

\_\_\_\_\_**AUTHORISED DEALER**\_\_\_\_\_





**PUMPS  
SELECTION TABLE**

**For "HICSON" DG Series V-Belt Drive Ejecto Pumps**

**PACKER TYPE FOR TUBEWELLS**

PUMP NUMBER	Motor H.P.	Minimum Operating Pressure LBS	Capacities in U.S.A. Gallons per hour. Based on minimum operation pressure with ejector submerged 5 ft. in water and pump offset from well not more than 5 feet.											Minimum inside dia of well inches	Size Suction (In-ner) pipe inches	Size pressure pipe inches	Size of the Deli-very pipe inches
			DEPTH TO LOW WATER LEVEL IN FEET														
			20	30	40	50	60	70	80	90	100	110	120				
DG 50 AZ	3/4	23	570	570	560	470								1 1/2	1	3/4	3/4
DG 50 AZ	3/4	23	570	570	560	470								2	1 1/4	1	3/4
DG 50 AZ	3/4	22	570	570	570	550	460							2 1/2	1 1/4	1	3/4
DG 50 AZ	3/4	22	570	570	570	550	460							3	1 1/4	1	3/4
DG 50 BZ	3/4	25					350	275	225					2	1 1/4	1	3/4
DG 75 AZ	1	27	700	700	700	560								2	1 1/4	1	3/4
DG 75 AZ	1	24	1000	1000	930	780								2 1/2	1 1/2	1 1/4	3/4
DG 75 AZ	1	24	1000	1000	930	780								3	1 1/2	1 1/4	3/4
DG 75 BZ	1	28					430	340	250					2	1 1/4	1	3/4
DG 75 BZ	1	1 1/2 (M)					650	540	460					3	1 1/2	1 1/4	3/4
DG 100 AZ	1.5	30	1050	1050	1050	890								2 1/2	1 1/2	1 1/4	1
DG 100 AZ	1.5	28	1080	1080	1080	920								3	1 1/2	1 1/4	1
DG 100 AZ	1.5	28	1080	1080	1080	920								4	1 1/2	1 1/4	1
DG 100 BZ	1.5/2	30					780	650	600					3	2 1/2	1 1/4	1
DG 100 BZ	1.5/2	28					780	650	600					4	1 1/2	1 1/4	1
DG 100 CZ	1.5/2	28								540	460	390	330	3	1 1/2	1 1/4	1
DG 100 CZ	1.5/2	28								540	460	390	330	4	1 1/2	1 1/4	1
DG 150 AZ	2	33	1800	1800	1650	1350								3	2	1 1/2	1 1/2
DG 150 AZ	2	33	1800	1800	1650	1420								4	2	1 1/2	1 1/2
DG 150 BZ	2	36					1300	1120	840	720				3	2	1 1/2	1 1/2
DG 150 CZ	2	38									720	660	600	4	2	1 1/2	1 1/2
DG 200 AZ	3	36	2350	2350	2100	1700								3	2	1 1/2	1 1/2
DG 200 AZ	3	36	2350	2350	2150	1800								4	2	1 1/2	1 1/2
DG 200 BZ	3	39					1560	1350	1000	850				3	2	1 1/2	1 1/2
DG 200 BZ	3	39					1560	1350	1150	1000				4	2	1 1/2	1 1/2
DG 200 CZ	3	41									950	870	750	4	2	1 1/2	1 1/2



**SELECTION TABLE**

**For "HICSON" DG Series V-Belt Drive Ejecto Pumps**

**TWIN TYPE FOR WELLS & TUBEWELLS**

PUMP NUMBER	Motor H.P.	Minimum Operating Pressure L.B.S	Capacities in U.S.A. Gallons per hour. Based on minimum operation pressure with ejector submerged 5 ft. in water and pump offset from well not more than 5 feet.										Minimum inside dia of well inches	Size- Suction (In-ner) pipe inches	Size- pressure pipe inches	Size of the Deli very pipe inches		
			DEPTH TO LOW WATER LEVEL IN FEET															
			20	30	40	50	60	70	80	90	100	110					120	
DG 50 AZ	3/4	22	570	570	570	510									4	1 1/4	1	3/4
DG 50 ALZ	3/4	22	570	570	500	400									3	1	1	3/4
DG 50 BLZ	3/4	24					360	310	250						4	1 1/4	1	3/4
DG 75 ASZ	1	26	700	700	700	685	575								4	1 1/4	1 1/4	3/4
DG 75 AZ	1	25	1000	1000	910	780									5	1 1/2	1 1/4	3/4
DG 75 BSZ	1	26						460	390	330					4	1 1/4	1 1/4	3/4
DG 75 BZ	1	26					650	530	420						5	1 1/2	1 1/4	3/4
DG 75 CZ	1	26								380	315	255			5	1 1/2	1 1/4	3/4
DG 100 AZ	1.5	27	1100	1100	1100	960									5	1 1/2	1 1/4	1
DG 100 ALZ	1.5	30	960	960	960	850									4	1 1/4	1 1/4	1
DG 100 BZ	1.5/2	29					780	720	575						5	1 1/2	1 1/4	1
DG 100 BLZ	1.5/2	30					550	480	400						4	1 1/4	1 1/4	1
DG 100 CZ	1.5/2	30								450	380	320	265		5	1 1/2	1 1/4	1
DG 150 AZ	2	33	1800	1800	1650	1350									6	2	1 1/2	1 1/2
DG 150 BZ	2	36					1200	1020	840	720					6	2	1 1/2	1 1/2
DG 150 CZ	2	38									630	570	500		6	2	1 1/2	1 1/2
DG 200 AZ	3	36	2350	2350	2100	1700									6	2	1 1/2	1 1/2
DG 200 BZ	3	39					1560	1350	1100	930					6	2	1 1/2	1 1/2
DG 200 CZ	3	41									900	780	660		6	2	1 1/2	1 1/2

ALL CAPACITIES DELIVERED AT OPERATING PRESSURE. ABOVE TABLES APPLY TO BELT DRIVEN AND ENGINE DRIVEN "DG" SERIES EJECTO WATER SYSTEMS WHEN OPERATED AT 3500 R.P.M. TO FIND TOTAL DISCHARGE HEAD IN FEET, MULTIPLY OPERATING PRESSURE BY 2.3

Manufactured by :

**K. G. INDUSTRIES**

CALCUTTA ● WEST BENGAL

DG 200 AZ	3	36	2350	2350	2100	1700									6	2	1 1/2	1 1/2
DG 200 BZ	3	39					1560	1350	1100	930					6	2	1 1/2	1 1/2
DG 200 CZ	3	41									900	780	660		6	2	1 1/2	1 1/2





**SELECTION TABLE**

**For "HICSON" DG 300 & 500  
Deep well Ejecto Pumps**

**PACKER TYPE FOR TUBEWELLS**

PUMP R. P. M.	PUMP NUMBER	MOTOR H. P.	Minimum Operating Pr. In. P.S.I.	CAPACITY IN LITRES (U.S. GALLONS) PER HOUR													WELL DIA	SUCTION PIPE (Inner)	PRESSAURE PIPE	DISCHARGE PIPE			
				DEPTH OF WATER IN METRES/FEET																			
				9	12	15	18	21	24	27	30	33	36	39	42								
				30	40	50	60	70	80	90	100	110	120	130	140								
2900	DG 300 AZ	5	40	15700 (4148)	14100 (3725)	12500 (3302)											4" 5" 6"	2½"	2"	2"			
	DG 300 BZ	7.5	40				7850 (2074)	6950 (1836)	6100 (1611)								4" 5" 6"	2½"	2"	2"			
3200	DG 300 CZ	7.5	54							7950 (2100)	7200 (1902)	6360 (1680)					4" 5" 6"	2½"	2"	2"			
	DG 300 DZ	7.5	54										6180 (1633)	5580 (1474)	5130 (1355)					4" 5" 6"	2½"	2"	2"
	DG 500 AZ	10	47	22713 (6000)	19684 (5200)	14534 (3840)											5" 6"	3"	2½"	2½"			
	DG 500 BZ	10	56				13400 (3540)	11356 (3000)	9539 (2520)								5" 6"	3"	2½"	2½"			
3400	DG 500 CZ	10	56							8177 (2160)	7495 (1980)	6363 (1680)					5" 6"	3"	2½"	2½"			
	DG 500 DZ	10	56										5224 (1380)	4429 (1170)	3634 (960)					5" 6"	3"	2½"	2½"
	DG 500 AZ	12.5	53	26119 (6900)	22032 (5820)	18626 (4920)											5" 6"	3"	2½"	2½"			
	DG 500 BZ	12.5	68				15671 (4140)	13628 (3600)	12038 (3180)								5" 6"	3"	2½"	2½"			
3400	DG 500 CZ	12.5	68							10785 (2850)	9539 (2520)	8631 (2280)					5" 6"	3"	2½"	2½"			
	DG 500 DZ	12.5	70										6927 (1830)	6360 (1680)	5564 (1470)					5" 6"	3"	2½"	2½"

CAPACITIES ARE BASED ON FIVE FEET OF OFFSET SETTING OF THE PUMP FROM TUBEWELL AND MINIMUM TEN FEET OF SUBMERGENCE OF EJECTOR ASSEMBLY



## SELECTION TABLE

### For "HICSON" DG 300 & 500 Deep well Ejecto Pumps

#### TWIN TYPE FOR WELLS & TUBEWELLS

PUMP R. P. M.	PUMP NUMBER	MOTOR H. P.	Minimum Operating Pr. In. P.S.I.	CAPACITY IN LITRES (U.S. GALLONS) PER HOUR												WELL DIA	SUCTION PIPE (Inner)	PRESSAURE PIPE	DISCHARGE PIPE	
				DEPTH OF WATER IN METRES/FEET																
				9	12	15	18	21	24	27	30	33	36	39	42					
				30	40	50	60	70	80	90	100	110	120	130	140					
2900	DG 300 AZ	5	40	15700 (4147)	14100 (3726)	12500 (3301)											6"	2½"	2"	2"
	DG 300 BZ	7.5	40				7850 (2074)	6949 (1836)	6100 (1611)								6"	2½"	2"	2"
3200	DG 300 CZ	7.5	54							7800 (2060)	6600 (1744)	5440 (1437)					6"	2½"	2"	2"
	DG 300 DZ	7.5	54										5640 (1490)	5010 (1324)	4280 (1131)		6"	2½"	2"	2"
	DG 500 AZ	10	47	22713 (6000)	19684 (5200)	14534 (3840)											8"	3"	2½"	2½"
	DG 500 BZ	10	56				13400 (3540)	11356 (3000)	9539 (2520)								8"	3"	2½"	2½"
3400	DG 500 CZ	10	56							8177 (2160)	7495 (1980)	6360 (1680)					8"	3"	2½"	2½"
	DG 500 DZ	10	56										5224 (1380)	4429 (1170)	3634 (960)		8"	3"	2½"	2½"
	DG 500 AZ	12.5	53	26119 (6900)	22032 (5820)	18626 (4920)											8"	3"	2½"	2½"
	DG 500 BZ	12.5	68				15671 (4140)	13628 (3600)	12038 (3180)								8"	3"	2½"	2½"
3400	DG 500 CZ	12.5	68							10788 (2850)	9539 (2520)	8631 (2280)					8"	3"	2½"	2½"
	DG 500 DZ	12.5	71										6927 (1830)	6360 (1680)	5564 (1470)		8"	3"	2½"	2½"

Manufactured by :

**K. G. INDUSTRIES**  
CALCUTTA • WEST BENGAL

CAPACITIES ARE BASED ON FIVE FEET OF OFFSET SETTING OF THE PUMP FROM TUBEWELL AND MINIMUM