



# DEUS RRC PVT. LTD.



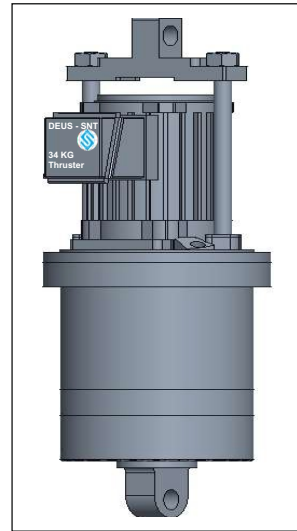
*Leading manufacturer of SNT Radio Remote Control Systems & other Crane Control Equipments.*

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# DEUS - SNT Electro Hydraulic Thrustor



**ST - 520 (18 Kg)**



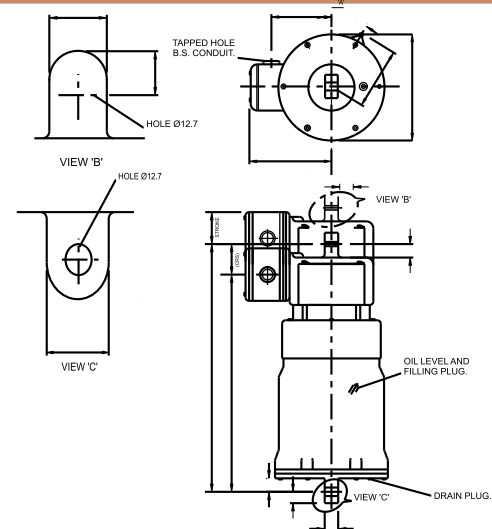
**ST - 535 (34 Kg)**

## Introduction

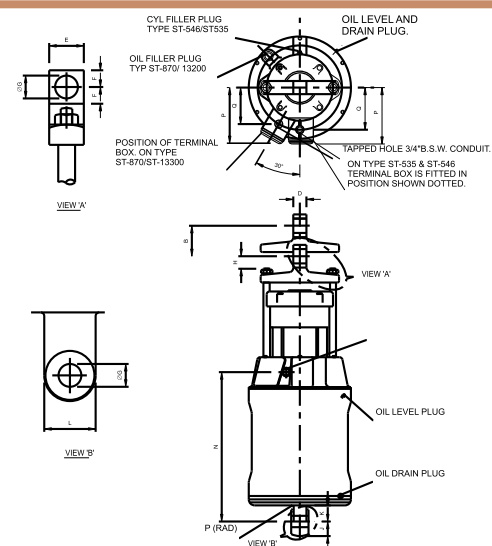
Thrustor is an electro hydraulic device, designed to exert a constant force to any mechanism to be operated.

The Thrustor works on the principle of hydraulics. On supply of electric power, motor driven centrifugal impeller draws the oil from the low pressure end of the chamber to the high pressure upper end. The piston mounted on the same shaft moves to the upper end with full thrust, till its movement is stopped by the stopper shoulder at the end of the stroke. Pressure build up stops when power is discontinued. Radial blade design of the impeller enables it to rotate both in clockwise and anticlockwise direction. Therefore power supply to the star connection can be in any R-Y-B phase sequence.

## GA DRAWING



**THRUSTOR: ST 520**



**THRUSTOR: ST 535 to ST 13300**

## **THRUSTER: ST 520**

*A compact 90W, 415V, 50 cycles, 3 phase thruster. Electric motor is directly mounted on the top of a piston. The piston is housed in the C.I Tank filled with fluid. The piston moves the fluid from low pressure area to high pressure area. The specially designed impeller which is mounted on the motor shaft produces required fluid pressure.*

## **THRUSTER: ST535 to ST 13300**

*This range of thruster has two thrust rods and a common piston. The motor is mounted on the top cover of the tank. A separator plate divides the tank in two partitions-low pressure side and high pressure side. The spacer bushes control the thruster. These models are suitable for larger capacity higher motor ratings and larger thruster forces.*

TYPE	Rated output		Input Watts	Dimensions in mm															Weight (kg.)	Oil Capacity Litres
	Thrust Kgs.	Stroke mm		A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q		
ST 520	18	51	90	349	51	159	19	25	13	12.7	19	16	19	32	19	306	121	90	14	2.0
ST 535	34	51	150	444	51	171	22	29	14	19.1	19	21	27	41	25	250	138	110	30	2.5
ST 546	46	51	180	444	51	171	22	29	14	19.1	19	21	27	41	25	250	138	110	30	2.5
ST 870	68	76	200	508	76	216	25	32	16	22.2	25	24	29	48	32	292	152	124	40	4.5
ST 8110	114	76	250	508	76	216	25	32	16	22.2	25	24	29	48	32	292	152	124	40	4.5
ST 13200	225	127	420	660	127	254	32	38	19	25.4	29	27	43	54	38	381	152	127	55	9.0
ST 13300	295	127	580	660	127	254	32	38	19	25.4	29	27	43	54	38	381	152	127	55	9.0