

ELECTRO HYDRAULIC THRUSTERS

A hydraulic power unit converts mechanical- to hydraulic energy to power industrial equipment. A HPU uses an electric motor driving a hydraulic pump to pressurizes fluid. The pressurized fluid is applied in mechanical equipment, such as braking systems delivered by Trebu.

AVAILABLE TYPES

230/5

300/5

500/6

508/6

800/6

800/12

1210/6

1210/12

2010/6

2010/12

3010/6

3010/12



FEATURES

Options & spare parts available on costumers request

High Operational safety & service life

Produces braking force of 230 up to 3000 N

Self lubrication bushings

Stepless and short actuation time

Environmental temperature range -25°C to +50°C

High switching frequency up to 2000 cycles per S3

Reverse operation without limitation

Easy de- & installation

Overload prevention

External limiting of stroke path

Standard Voltage 230/400V, 50Hz, IP65, Class F

OPTIONS

Special Voltage

CODE

SV

Low temperature -40°C

LT

High temperature resistant steel work +70°C

SW

Ascending / Descending

AV / DV

Inner spring

IS

Paint colour customisable

P

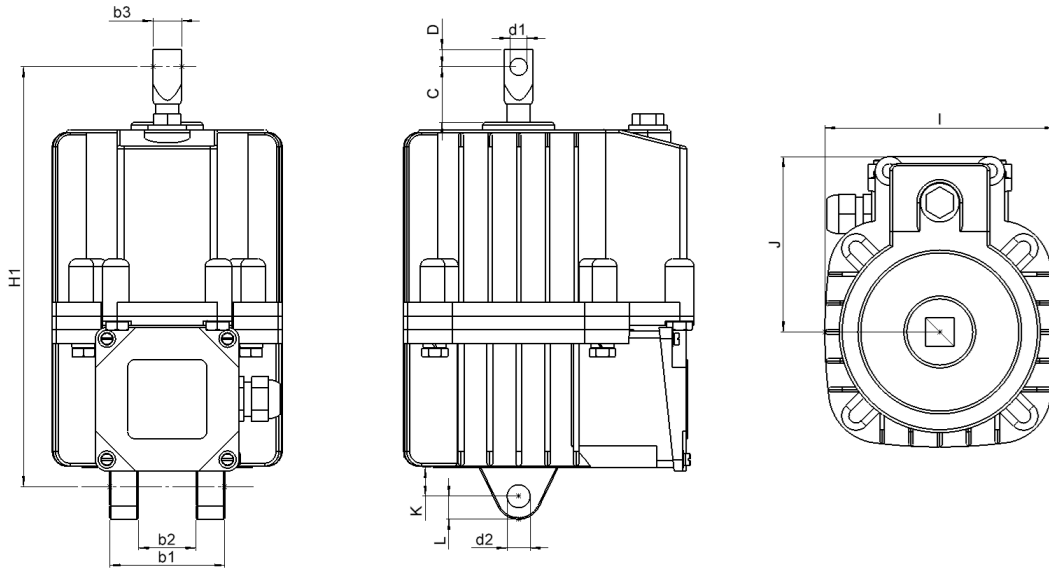
Conservation coating

C5M

Thruster limit stroke sensor

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GENERAL DIMENSIONS



GENERAL THRUSTER DIMENSIONING

TYPE	H1	b1	b2	b3	C	D	d1	d2	I	J	K	L
230/5	286	80	40	20	26	12	12	16	160	80	200	16
300/5	370	80	40	25	34	15	16	16	160	80	197	16
500/6	435	120	60	30	36	18	20	20	195	95	254	22
508/6	515	120	60	30	36	18	20	20	195	95	254	22
800/6	450	120	60	30	36	18	20	20	195	95	254	22
800/12	530	120	60	30	36	18	20	20	195	95	254	22
1210/6	645	90	40	40	38	25	25	25	240	112	260	25
1210/12	705	90	40	40	38	25	25	25	240	112	260	25
2010/6	645	90	40	40	38	25	25	25	240	112	260	25
2010/12	705	90	40	40	38	25	25	25	240	112	260	25
3010/6	645	90	40	40	38	25	25	25	240	112	260	25
3010/12	705	90	40	40	38	25	25	25	240	112	260	25

GENERAL THRUSTER SPECIFICATIONS

TYPE	FORCE	STROKE	VOLT	FREQ.	POWER	CURRENT		S3		OIL	MASS
	N	MM	Δ	HZ	KW	400V	230V	%	CYCLES	L	KG
230/5	230	50	400	50	0,25	0,56	0,97	60	2000	1,75	10
300/5	300	50	400	50	0,22	0,43	0,78	60	2000	2,6	14
500/6	500	60	400	50	0,23	0,38	0,87	60	2000	3,8	21
508/6	500	60	400	50	0,23	0,38	0,87	60	2000	3,8	21
800/6	800	120	400	50	0,45	1,42	2,50	60	2000	4	24
800/12	800	60	400	50	0,45	1,42	2,50	60	2000	4	25
1210/6	1210	120	400	50	0,68	1,59	2,60	60	2000	9,6	39
1210/12	1210	60	400	50	0,68	1,59	2,65	60	2000	9,6	40
2010/6	2010	60	400	50	0,63	1,51	2,55	60	2000	9,6	39
2010/12	2010	120	400	50	0,63	1,51	2,55	60	2000	9,6	40
3010/6	3010	60	400	50	0,83	1,51	2,56	60	1500	9,6	39
3010/12	3010	120	400	50	0,83	1,51	2,56	60	1500	9,6	40

*Oil specification as per Shell Tellus S4 VX 32 or Shell Naturelle HF-E 3