

technical data sheet

Tralift™ TS Electric chain hoist

réf. : T 2059 GB
rév. n° :02
date : 05/15
page : 1/4

Specification

Single-phase

ISO Group (FEM)	M3 (1Bm)	Code for (M3) hoist alone 3m lifting	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	Lifting speed	Motor power	1 x 230V 50Hz	No. of chain	Dead weight
Number of starts / hour	150 s/h		180 s/h	240 s/h	300 s/h	360 s/h			(M3)	falls	3 m lift
Duty factor	25% duty		30% duty	40% duty	50% duty	60% duty	[m/min]	[kW]	[A]		[kg]
Working Load Limit [kg]											
Tralift™ TS 250/1 S 1Ph	160	239689	-	-	-	-	8	0.23	8.9	1	19
Tralift™ TS 250/2 S 1Ph	320	239729	-	-	-	-	4	0.23	8.9	2	22.5
Tralift™ TS 500/1 S 1Ph	250	239769	-	-	-	-	8	0.36	8.9	1	20
Tralift™ TS 500/2 S 1Ph	500	239809	-	-	-	-	4	0.36	8.9	2	24.5
Tralift™ TS 1000/1 S 1Ph	500	239849	-	-	-	-	8	0.73	6.0	1	46
Tralift™ TS 1000/2 S 1Ph	1'000	239889	-	-	-	-	4	0.73	6.0	2	51

Three-phases

ISO Group (FEM)	M3 (1Bm)	Code for (M3) hoist alone 3m lifting	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	Lifting speed	Motor power	3 x 400V 50Hz	No. of chain	Dead weight
Number of starts / hour	150 s/h		180 s/h	240 s/h	300 s/h	360 s/h			(M3)	falls	3 m lift
Duty factor	25% duty		30% duty	40% duty	50% duty	60% duty		(M3)	(M3)		
Working Load Limit [kg]							[m/min]	[kW]	[A]		[kg]
Tralift™ TS 250/1 S	250	226009	200	160	125	100	8	0.36	1.3	1	19
Tralift™ TS 250/1 SD	250	226049	200	160	125	100	8/2	0.36/0.09	2.7/3.0	1	22
Tralift™ TS 250/1 SH	160	226089	125	100	80	60	12.5/3	0.36/0.09	2.7/3.0	1	22
Tralift™ TS 250/1 SS	100	226129	80	60	50	40	20/5	0.36/0.09	2.7/3.0	1	22
Tralift™ TS 250/2 S	500	226169	400	320	250	200	4	0.36	1.3	2	22.5
Tralift™ TS 250/2 SD	500	226209	400	320	250	200	4/1	0.36/0.09	2.7/3.0	2	23
Tralift™ TS 500/1 S	500	226289	400	320	250	200	8	0.72	2.1	1	20
Tralift™ TS 500/1 SD	500	226329	400	320	250	200	8/2	0.72/0.18	2.9/3.0	1	22.5
Tralift™ TS 500/1 SH	320	226369	250	200	160	125	12.5/3	0.72/0.18	2.9/3.0	1	22.5
Tralift™ TS 500/1 SS	200	226409	160	125	100	100	20/5	0.72/0.18	2.9/3.0	1	22.5
Tralift™ TS 500/2 S	1'000	226449	800	630	500	400	4	0.72	2.1	2	24.5
Tralift™ TS 500/2 SD	1'000	226489	800	630	500	400	4/1	0.72/0.18	2.9/3.0	2	25
Tralift™ TS 500/2 SH	630	226529	500	400	320	250	6.25/1.5	0.72/0.18	2.9/3.0	2	25
Tralift™ TS 1000/1 S	1'000	226569	800	630	500	400	8	1.45	3.7	1	45
Tralift™ TS 1000/1 SD	1'000	226609	800	630	500	400	8/2	1.45/0.36	4.0/2.8	1	46
Tralift™ TS 1000/1 SH	500	226649	400	320	250	200	16/4	1.45/0.36	5.8/2.6	1	48
Tralift™ TS 1000/2 S	2'000	226689	1'600	1'250	1'000	800	4	1.45	3.7	2	50
Tralift™ TS 1000/2 SD	2'000	226729	1'600	1'250	1'000	800	4/1	1.45/0.36	4.0/2.8	2	51
Tralift™ TS 1600/1 S	1'600	226809	1'250	1'000	800	630	8	2.44	6.0	1	63
Tralift™ TS 1600/1 SD	1'600	226849	1'250	1'000	800	630	8/2	2.44/0.61	6.6/4.2	1	65
Tralift™ TS 1600/1 SH	1'000	226889	800	630	500	400	12.5/3	2.39/0.58	6.6/4.2	1	65
Tralift™ TS 1600/2 S	3'200	226929	2'500	2'000	1'600	1'250	4	2.44	6.0	2	73
Tralift™ TS 1600/2 SD	3'200	226969	2'500	2'000	1'600	1'250	4/1	2.44/0.61	6.6/4.2	2	75
Tralift™ TS 2000/1 S	2'000	227049	1'600	1'250	1'000	800	8	3.05	7.3	1	65
Tralift™ TS 2000/1 SD	2'000	229089	1'600	1'250	1'000	800	8/2	3.05/0.77	8.0/4.5	1	67
Tralift™ TS 2000/1 SH	1'250	227129	1'000	800	630	500	12.5/3	2.98/0.72	8.0/4.5	1	67
Tralift™ TS 2000/2 S	4'000	227169	3'200	2'500	2'000	1'600	4	3.05	7.3	2	76
Tralift™ TS 2000/2 SD	4'000	227209	3'200	2'500	2'000	1'600	4/1	3.05/0.77	8.0/4.5	2	78
Tralift™ TS 2500/1 S	2'500	227289	2'000	1'600	1'250	1'000	6.4	3.05	7.7	1	65
Tralift™ TS 2500/1 SD	2'500	227329	2'000	1'600	1'250	1'000	6.4/1.6	3.05/0.77	8.2/4.4	1	67
Tralift™ TS 2500/1 SH	1'600	227369	1'250	1'000	800	630	10/2.5	3.05/0.77	8.2/4.4	1	67
Tralift™ TS 2500/2 S	5'000	227409	4'000	3'200	2'500	2'000	3.2	3.05	7.7	2	76
Tralift™ TS 2500/2 SD	5'000	227449	4'000	3'200	2'500	2'000	3.2/0.8	3.05/0.77	8.2/4.4	2	78
Tralift™ TS 2500/2 SH	3'200	227489	2'500	2'000	1'600	1'250	5/1.25	3.05/0.77	8.2/4.4	2	78

S= 1 Speed, SD= Double Speed, SH= Speed High, SS= Super Speed

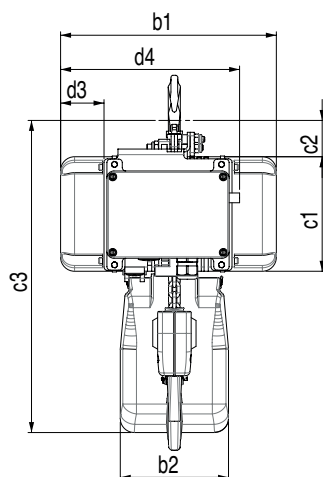
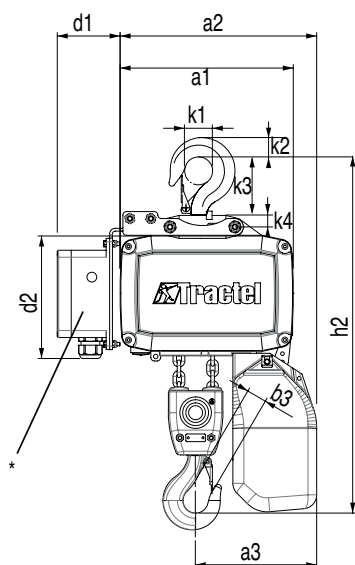
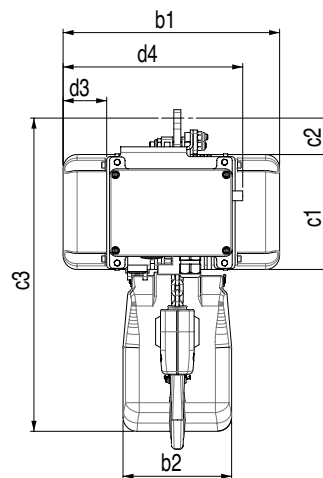
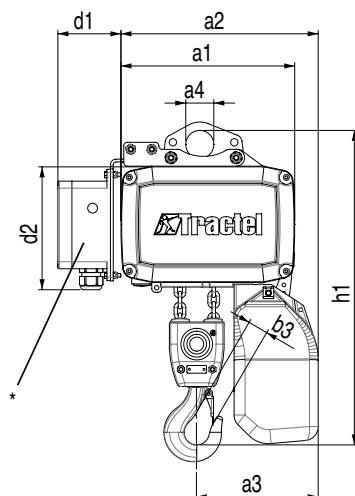
Standard: lifting height 3 m/1.8 m control cable TS
- suspension with eyebolt

Options : chain/control cable extended (lifts up to 120 m)
- suspension with hook

- Low voltage 42 volts control with emergency stop
- Upper and lower electrical gearbox limit switch
- Wear resistant overload slip clutch; with asbestos free lining
- Heat treated gears in oil bath
- Wear resistant brake

- Special load chain to DIN 5684, cadmium plated, grade 8
- Load hook to DIN 15401
- Motor protection: IP 55 to DIN 40050
- Motor insulation: F





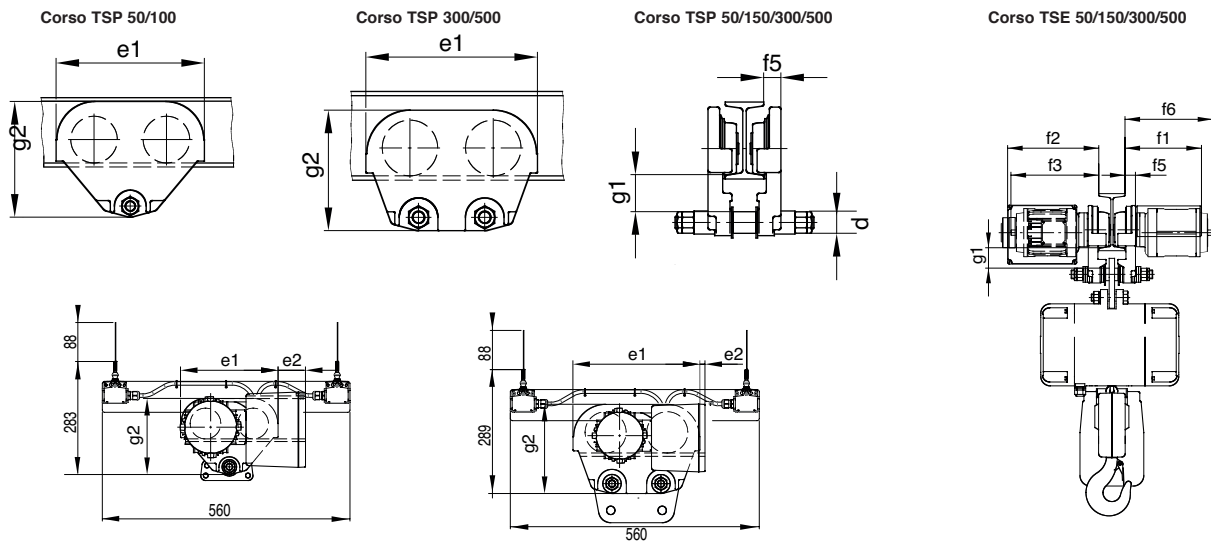
Dimensions

Types	a1	a2	a3	a4	b1	b2	b3	c1	c2	c3	d1*	d2*	d3*	d4*	h1	h2	k1	k2	k3	k4
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Tralift™ TS 250/1	246	281	146	40	309	155	22	164	53	398	90	175	62	256	369	431	36	28	82	20
Tralift™ TS 250/2	246	281	164	40	309	155	22	164	53	398	90	175	62	256	408	470	36	28	82	20
Tralift™ TS 500/1	246	281	146	40	309	155	22	164	53	398	90	175	62	256	377	439	36	28	82	20
Tralift™ TS 500/2	246	281	169	40	309	155	22	164	53	398	90	175	62	256	417	479	36	28	82	20
Tralift™ TS 1000/1	321	367	190	52	367	180	32	214	69	565	90	178	97	291	482	553	43	32	98	23
Tralift™ TS 1000/2	321	367	224	52	367	180	32	214	69	565	90	178	97	291	556	627	43	32	98	23
Tralift™ TS 1600/1	345	424	220	75	389	180	37	230	135	646	90	179	110	304	608	638	50	40	124	46
Tralift™ TS 1600/2	345	424	263	75	389	180	37	230	135	646	90	179	110	304	690	719	50	40	124	46
Tralift™ TS 2000/1	345	424	220	75	389	180	37	230	135	646	90	179	110	304	608	638	50	40	124	46
Tralift™ TS 2000/2	345	424	263	75	389	180	37	230	135	646	90	179	110	304	690	719	50	40	124	46
Tralift™ TS 2500/1	345	424	220	75	389	180	37	230	135	646	90	179	110	304	608	638	50	40	124	46
Tralift™ TS 2500/2	345	424	263	75	389	180	37	230	135	646	90	179	110	304	690	719	50	40	124	46

* HF radio control

Specification									
ISO Group (FEM)	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	Travelling	Motor power (M3)	1 x 230V	Dead
Number of starts / hour	150 s/h	180 s/h	240 s/h	300 s/h	360 s/h	speed		50Hz	weight
Duty factor	25% duty	30% duty	40% duty	50% duty	60% duty			(M3)	
Types	Working Load Limit [kg]					[m/min]	[kW]	[A]	[kg]
Single-phase									
Corso TSE 50/S 1 Ph	1'000	-	-	-	-	12	0.12	1	27
Corso TSE 150/S 1 Ph	1'000	-	-	-	-	12	0.12	1	31
Three-phases								3 x 400V	
Corso TSP 50	1'000	800	630	630	500	-	-	-	7.5
Corso TSE 50/S	1'000	800	630	630	500	12	0.25	0.8	27
Corso TSE 50/SD	1'000	800	630	630	500	12/4	0.15/0.045	0.65/0.75	27
Corso TSE 50/SH	800	800	630	630	500	20/6	0.15/0.045	0.65/0.75	27
Corso TSP 150	2'000	2'000	1'600	1'600	1'250	-	-	-	13.5
Corso TSE 150/S	2'000	2'000	1'600	1'600	1'250	12	0.25	0.8	31
Corso TSE 150/SD	2'000	2'000	1'600	1'600	1'250	12/4	0.15/0.045	0.65/0.75	31
Corso TSE 150/SH	1'600	1'600	1'600	1'600	1'250	20/6	0.15/0.045	0.65/0.75	31
Corso TSP 300	4'000	4'000	3'200	2'500	2'500	-	-	-	27.5
Corso TSE 300/S	4'000	4'000	3'200	2'500	2'500	12	0.25	0.8	50
Corso TSE 300/SD	4'000	4'000	3'200	2'500	2'500	12/4	0.15/0.045	0.65/0.75	50
Corso TSE 300/SH	3'200	3'200	3'200	2'500	2'500	20/6	0.15/0.045	0.65/0.75	50
Corso TSP 500	5'000	4'000	3'200	3'200	2'500	-	-	-	27.5
Corso TSE 500/S	5'000	4'000	3'200	3'200	2'500	12	2x0.25	2x0.8	57
Corso TSE 500/SD	5'000	4'000	3'200	3'200	2'500	12/4	2x0.15/0.045	2x0.65/0.75	57
Corso TSE 500/SH	4'000	4'000	3'200	3'200	2'500	20/6	2x0.15/0.045	2x0.65/0.75	57

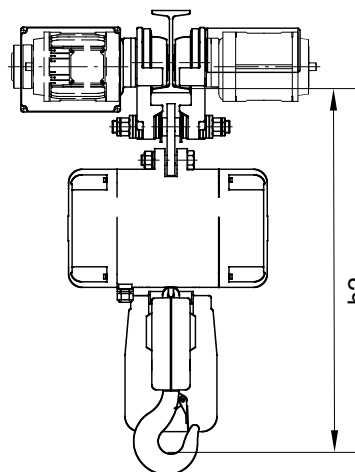
S= 1 Speed, SD= Double Speed, SH= High Speed, SS= Super Speed



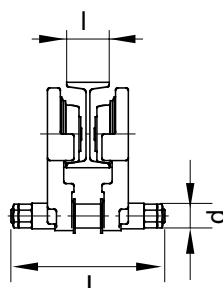
Corso TSE 50/150 + optional end limit switches

Corso TSE 300/500 + optional end limit switches

Dimensions									
Types	e1	e2	f1	f2	f3	f5	f6	g1	g2
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Corso TSP 50	215	-	-	-	-	23	-	49	167
Corso TSE 50	215	62	209	250	241	23	-	49	167
Corso TSP 150	250	-	-	-	-	27	-	60	203
Corso TSE 150	250	43	211	253	242	27	-	60	203
Corso TSP 300	311	-	-	-	-	31	-	55	218
Corso TSE 300	311	12	217	259	249	31	-	55	218
Corso TSP 500	311	-	-	-	-	31	-	55	218
Corso TSE 500	311	12	-	259	249	31	249	55	218



Headroom hoist + trolley				
Types	h2 [mm]			
	Corso TSP / TSE 50	Corso TSP / TSE 150	Corso TSP / TSE 300	Corso TSP / TSE 500
Tralift™ TS 250/1	418	-	-	-
Tralift™ TS 250/2	457	-	-	-
Tralift™ TS 500/1	426	-	-	-
Tralift™ TS 500/2	466	-	-	-
Tralift™ TS 1000/1	-	542	-	-
Tralift™ TS 1000/2	-	616	-	-
Tralift™ TS 1600/1	-	-	637	-
Tralift™ TS 1600/2	-	-	719	719
Tralift™ TS 2000/1	-	-	637	637
Tralift™ TS 2000/2	-	-	637	719
Tralift™ TS 2500/1	-	-	-	637
Tralift™ TS 2500/2	-	-	-	719



Flange width for Corso trolleys												
Types	Standard Spindle L1			Spindle L2			Spindle L3			Spindle L4		
	Flange width l [mm]	Spindle length L [mm]	Spindle diameter d [mm]	Flange width l [mm]	Spindle length L [mm]	Spindle diameter d [mm]	Flange width l [mm]	Spindle length L [mm]	Spindle diameter d [mm]	Flange width l [mm]	Spindle length L [mm]	Spindle diameter d [mm]
Corso TSP 50	50-99	183	28	100-149	233	28	150-199	283	30	200-240	318	30
Corso TSE 50												
Corso TSP 150	76-139	230	35	140-199	290	40	200-259	350	45	260-320	410	45
Corso TSE 150												
Corso TSP 300	120-179	230	40	56-119	290	35	180-239	350	45	240-300	410	45
Corso TSE 300												
Corso TSP 500	120-179	230	40	56-119	290	35	180-239	350	45	240-300	410	45
Corso TSE 500												

Options: other flange widths

electric travel trolley with brake

Standard voltages: 1Ph 230V, 50Hz; 3Ph 400V, 50Hz

Special voltages: on request