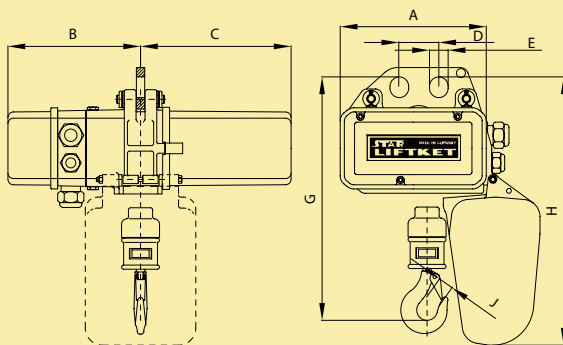# Three phase electric chain hoists
125 kg – 6300 kg

Basic version

... with hook suspension
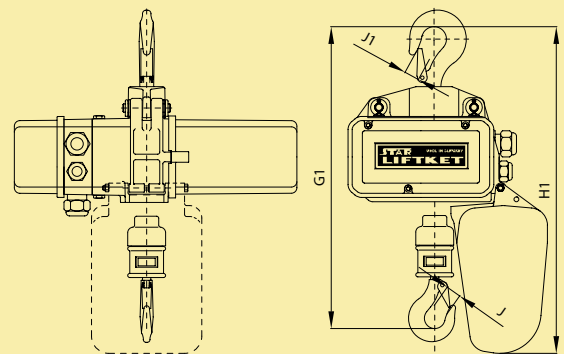
... with electric trolley or push trolley
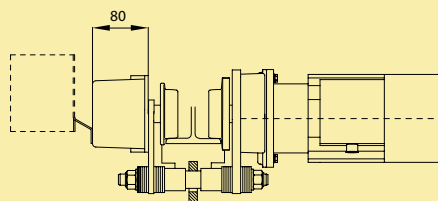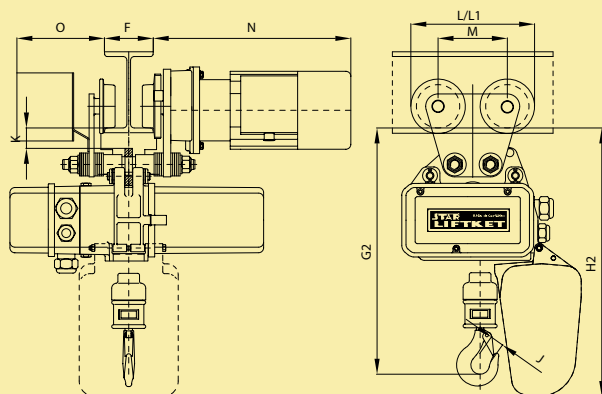
Three phase electric chain hoists
125 kg – 6300 kg

Please note:

- Power supply 400 V, 3 ph, 50 Hz
- Protection class IP55 / insulation class F
- Different voltage and frequency options available on request
- Control cable 1.5 m supplied as standard
- Height of lift 3 m supplied as standard,
  the hoist weight has been calculated for 3 m height of lift,
  hoist weight will increase by approximatly 2 kg if low voltage
  control is required
- Different heights of lift and control cable lengths available
  on request
- For lifting heights greater than 20 m a reduction to the
  safe working load must be made for the additional weight of chain
- STAR models 090/..., 091/..., 110/... and 111/... have to be fitted
  with low voltage control only, if supplied without control upon the
  request a low voltage control has to be added before first operation.
  These STAR models are equipped with low voltage control as standard.

The technical data mentioned in the tables are approximate and
subject to change.

Counter weights might be required for double speed trolleys
for special combinations of load capacity, flange width and
type of control (max. weight 9.4 kg).

Trolley capacity	Minimum radius of beam
up to 1000 kg	1.0 m
up to 3200 kg	1.5 m
up to 6300 kg	2.0 m

STAR LIFTKET

Capacity kg	Version	STAR-Model	Lifting speed m/min	Numbers of load falls	Duty group hoist FEM 9.511	Duty group load chain EN 818-7	Dimension of load chain DIN 5684-8 mm	Lifting motor kW	Duty rate starts/hour ED/%/S/h	A mm	B mm	C mm	D mm	E mm	G mm	G1 mm	G2 mm	H mm	H1 mm	H2 mm	J mm	J1 mm	Trolley type	F Flange width mm	Travelling speed m/min	Travelling motor kW	K mm	L mm	L1 mm	M mm	N mm (m/min)	O mm	Diameter of the wheels mm	STAR LIFTKET Basic version kg	Push trolley kg	Electric trolley kg (m/min)
125	125/1-8	020/52	8	1	3m	2m	4x12	0.25	60/360	212	192	218	58	27	354	432	401	409	487	456	20	22	500											17		
	125/1-8/2	021/53	8/2	1	3m	2m	4x12	0.32/0.08	60/40/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500											17		
	125/1-24	020/50	24	1	3m	1Bm	4x12	0.55	60/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500											17		
	125/1-24/6	051/50	24/6	1	3m	2m	5.2x15	0.55/0.12	60/25/240	266	232	274	58	30	390	462	436	449	522	505	20	22	500											33		
160	160/1-6/1,5	021/52	6/1,5	1	3m	2m	4x12	0.32/0.08	40/25/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500											17		
250	250/2-4	020/52	4	2	3m	2m	4x12	0.25	60/360	212	192	218	58	27	407	485	454	409	487	456	22	22	500											19		
	250/2-4/1	021/53	4/1	2	3m	2m	4x12	0.32/0.08	60/40/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500											19		
	250/1-6	020/53	6	1	3m	2m	4x12	0.55	60/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500	N	50-106	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	33	200	216	112	220 (16 or 25) 292 (5/20)	142	70	17	8	15 (16 or 25) 18 (5/20)
	250/1-8	020/54	8	1	2m	1Bm	4x12	0.55	60/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500	S1 110-200										17		
	250/1-8/2	021/51	8/2	1	2m	1Bm	4x12	0.32/0.08	40/25/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500	S2 210-300										17		
	250/1-12	030/50	12	1	2m	2m	5.2x15	0.55	60/240	212	192	218	58	27	354	432	401	409	487	456	20	22	500											18		
	250/2-12	020/50	12	2	3m	1Bm	4x12	0.55	60/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500											19		
	250/1-12/3	051/52	12/3	1	2m	2m	5.2x15	0.55/0.12	40/10/240	266	232	274	58	30	390	462	436	449	522	505	20	22	500											33		
	250/2-12/3	051/50	12/3	2	3m	2m	5.2x15	0.55/0.12	60/25/240	266	232	274	58	30	443	515	489	449	522	505	22	22	500											35		
	250/1-18/4,5	051/55	18/4,5	1	3m	2m	5.2x15	0.9/0.2	60/240	266	232	274	58	30	462	436	449	522	505	20	22	500											33			
	250/1-24	050/52	24	1	3m	1Bm	5.2x15	1.1	60/240	266	232	274	58	30	390	462	436	449	522	505	20	22	500											33		
320	320/2-3/0,75	021/52	3/0,75	2	3m	2m	4x12	0.32/0.08	40/25/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500											19		
	320/1-10	030/50	10	1	1Bm	2m	5.2x15	0.55	40/240	212	192	218	58	30	354	432	410	409	487	456	20	22	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	18	10	17 (16 or 25) 19 (5/20)
400	400/1-10	050/53	10	1	1Am	1Bm	5.2x15	0.75	60/240	266	232	274	58	30	390	462	446	449	522	505	20	22	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	33	10	
500	500/2-3	020/53	3	2	2m	2m	4x12	0.55	60/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500													
	500/2-4	020/54	4	2	2m	1Bm	4x12	0.55	60/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500	N	50-106	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	33	200	216	112	220 (16 or 25) 292 (5/20)	142	70		8	15 (16 or 25) 18 (5/20)
	500/2-4/1	021/51	4/1	2	2m	1Bm	4x12	0.32/0.08	40/25/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500	S1 110-200										19		
	500/2-6	030/50	6	2	2m	2m	5.2x15	0.55	60/240	212	192	218	58	27	407	485	454	409	487	456	22	22	500	S2 210-300												
	500/2-6/1,5	051/52	6/1,5	2	2m	2m	5.2x15	0.55/0.12	40/10/240	266	232	274	58	30	443	515	489	449	522	505	22	22	500											35		
	500/1-8	030/52	8	1	1Bm	1Bm	5.2x15	0.7	40/240	212	192	218	58	30	354	432	410	409	487	456	20	22	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	18	10	17 (16 or 25) 19 (5/20)
	500/2-9/2,25	051/55	9/2,25	2	3m	2m	5.2x15	0.9/0.2	60/25/240	266	232	274	58	30	443	515	489	449	522	505	22	22	500	N / S1 / S2	50-106 110-200 210-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	33	200	216	112	220 (16 or 25) 292 (5/20)	142	70	35	8	15 (16 or 25) 18 (5/20)
	500/1-10	070/51	10	1	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	404	492	460	451	539	507	22	28	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	36	10	17 (16 or 25) 19 (5/20)
	500/1-10/2,5	071/53	10/2,5	1	2m	2m	7.2x21	0.9/0.2	60/25/240	266	232	274	58	30	404	492	460	451	539	507	22	28	1000											42		
	500/2-12	050/52	12	2	3m	1Bm	5.2x15	1.1	60/240	266	232	274	58	30	443	515	489	449	522	505	22	22	500	N / S1 / S2	50-106 110-200 210-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	33	200	216	112	220 (16 or 25) 292 (5/20)	142	70	35	8	15 (16 or 25) 18 (5/20)
630	630/2-5	030/53	5	2	1Bm	2m	5.2x15	0.55	40/240	212	192	218	58	30	407	485	463	409	487	456	22	22	1000											19		
	630/1-10	070/57	10	1	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	404	492	460	451	539	507	22	28	2000											36		
800	800/2-5	050/53	5	2	1Am	1Bm	5.2x15	0.75	60/240	266	232	274	58	30	443	515	499	449	522	505	22	22	1000											35		
	800/1-8	070/54	8	1	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	404	492	460	451	539	507	22	28	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	36		
1000	1000/2-4	030/52	4	2	1Bm	1Bm	5.2x15	0.7	40/240	212	192	218	58	30	407	485	463	409	487	456	22	22	1000											20	10	17 (16 or 25) 19 (5/20)
	1000/2-5	070/51	5	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	602	570	511	599	567	28	28	1000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	41		
	1000/2-5/1,25	071/53	5/1,25	2	2m	2m	7.2x21	0.9/0.2	60/25/240	266	232	274	58	30	514	602	570	511	599	567	28	28	1000											47		
	1000/1-6	070/55	6	1	1Am	1Bm	7.2x21	1.1	40/240	266	232	274	58	30	404	492	460	451	539	507	28	28	2000											36		
	1000/1-6/1,5	071/55	6/1,5	1	1Am	1Bm	7.2x21	1.1/0.2	60/25/240	266	232	274	58	30	404	492	460	451	539	507	22	28	2000											42		
	1000/1-8	090/54	8	1	2m	3m	9x27	2.2	60/240	358	285	359	85	34	491	616	550	619	744	678	28	30	2000	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	69	22	29 (8 or 12) 30 (5/20)
	1000/1-8/2	091/51	8/2	1	3m	3m	9x27	1.8/0.45	60/25/240	358	285	359	85	34	491	616	550	619	744	678	28	30	2000											67		
	1000/1-10	070/53	10	1	1Am	1Bm	7.2x21	1.7	60/240	266	232	274	58	30	404	492	460	451	539	507	22	28	2000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	42	10	17 (16 or 25) 19 (5/20)
	1000/1-10	090/52	10	1	3m	3m	9x27	3.0	60/240	358	285	359	85	34	491	616	550	619	744	678	28	30	2000	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	67	22	29 (8 or 12) 30 (5/20)
	1000/1-10/2,5	091/52	10/2,5	1	3m	3m	9x27	1.8/0.45	60/25/240	358	285	359	85	34	491	616	550	619	744	678	28	30	2000											67		
1250	1250/2-5	070/57	5	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	602	570	511	599	567	28	28	2000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	41	10	17 (16 or 25) 19 (5/20)
	1250/1-8	070/56	8	1	1Bm	1Bm	7.2x21	1.7	60/240	266	232	274	85	34	421	492	480	468	539	527	22	28	3200	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	42	22	29 (8 or 12) 30 (5/20)
1600	1600/2-4	070/54	4	2	2m	2m	7.2x21	1.1	60/240	266	232	274	58	30	514	602	570	511	599	567	28	28	2000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	47	10	17 (16 or 25) 19 (5/20)
	1600/1-8	090/55	8	1	2m	2m	9x27	2.2	60/240	358	285	359	85	34	491	616	550	619	744	678	28	30	3200											69		
	1600/1-10/2,5	091/56	10/2,5	1	2m	2m	9x27	3.0/0.75	60/25/240	358	285	359	85	34	491	616	550	619	744	678	28	30	3200	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	88 [1]	22	29 (8 or 12) 30 (5/20)
	1600/1-12/3	091/58	12/3	1	2m	1Bm	9x27	4.4/1.1	40/25/240	358	285	406	85	34	491	616	550	619	744	678	28	30	3200											103 [1]		
	1600/1-16/4	091/57	16/4	1	1Am	1Bm	9x27	4.4/1.1	40/25/240	358	285	406	85	34	491	616	550	619	744	678	28	30	3200											103 [1]		
2000	2000/2-3	070/55	3	2	1Am	1Bm	7.2x21	1.1	40/240	266	232	274	58	30	514	602	570	511	599	567	28	28	2000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	41	10	17 (16 or 25) 19 (5/20)
	2000/2-3/0,75	071/55	3/0,75	2	1Am	1Bm	7.2x21	1.1/0.2	60/25/240	266	232	274	58	30	514	602	570	511	599	567	28	28	2000											47		
	2000/2-4	090/54	4	2	3m	3m	9x27	2.2	60/240	358	285	359	85	34	600	725	659	619	744	678	30	30	2000	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	79	22	29 (8 or 12) 30 (5/20)
	2000/2-4/1	091/51	4/1	2	3m	3m	9x27	1.8/0.45	60/25/240	358	285	359	85	34	600	725	659	619	744	678	30	30	2000											77		
	2000/2-5	070/53	5	2	1Am	2m	7.2x21	1.7	60/240	266	232	274	58	30	514	602	570	511	599	567	28	28	2000	N / S1 / S2	66-135 137-215 220-300	16 or 25 or 5/20	0.12 or 0.12 or 0.04/0.18	38 36 34.5	200	216	112	220 (16 or 25) 292 (5/20)	146	70	47	10	17 (16 or 25) 19 (5/20)
	2000/2-5	090/52	5	2	3m	3m	9x27	3.0	60/240	358	285	359	85	34	600	725	659	619	744	678	30	30	2000	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	77	22	29 (8 or 12) 30 (5/20)
	2000/2-5/1,25	091/52	5/1,25	2	3m	3m	9x27	1.8/0.45	60/25/240	358	285	359	85	34	600	725	659	619	744	678	30	30	2000											77		
2500	2500/2-4	070/56	4	2	1Bm	1Bm	7.2x21	1.7	60/240	266	232	274	85	34	531	602	590	528	599	587	28	28	3200	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	47	22	29 (8 or 12) 30 (5/20)
	2500/1-10	110/52	10	1	2m	2m	11.3x31	4.0	60/240	358	285	363	120	47	610	728	676	671	790	738	30	42	5000	N / S1 / S2	90-155 160-226 240-310	4/16	0.04/0.18	38 38 35.5	351	351	191	409 (4/16)	160	122	90	47	63 (4/16)
	2500/1-10/2,5	111/52	10/2,5	1	2m	2m	11.3x31	4.4/1.1	40/25/240	358	285	410	120	47	610	728	676	671	790	738	30	42	5000											118 [1]		
3200	3200/2-5	090/55	5	2	2m	2m	9x27	2.2	60/240	358	285	359	85	34	600	725	659	619	744	678	30	30	3200											79		
	3200/2-5/1,25	091/56	5/1,25	2	2m	2m	9x27	3.0/0.75	60/25/240	358	285	359	85	34	600	725	659	619	744	678	30	30	3200	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	98 [1]	22	29 (8 or 12) 30 (5/20)
	3200/2-6/1,5	091/58	6/1,5	2	2m	1Bm	9x27	4.4/1.1	40/25/240	358	285	406	85	34	600	725	659	619	744	678	30	30	3200											113 [1]		
	3200/1-8	110/54	8	1	1Bm	1Bm	11.3x31	4.0	60/240	358	285	363	120	47	610	728	676	671	790	738	30	42	6300	N / S1 / S2	90-155 160-226 240-310	4/16	0.06/0.25	38 38 35.5	351	351	191	409 (4/16)	160	122	90	47	63 (4/16)
	3200/2-8/2	091/57	8/2	2	1Am	2m	9x27	4.4/1.1	40/25/240	358	285	406	85	34	600	725	659	619	744	678	30	30	3200	N / S1 / S2	82-155 137-215 220-300	8 or 12 or 5/20	0.12 or 0.12 or 0.04/0.18	38.5 37 34.5	288.5	293.5	152.5	263 (8 or 12) 385 (5/20)	147	103	113 [1]	22	29 (8 or 12) 30 (5/20)
	3200/1-8/2	111/54	8/2	1	1Bm	1Bm	11.3x31	4.4/1.1	25/25/150	358	285	410	120	47	610	728	676	671	790	738	30	42	6300				0.06/0.25								118 [1]		
5000	5000/2-5	110/52	5	2	2m	2m	11.3x31	4.0	60/240	358	285	363	120	47	740	858	806	671	790	738	42	42	5000				0.04/0.18								107		
	5000/2-5/1,25	111/52	5/1,25	2	2m	2m	11.3x31	4.4/1.1	40/25/240	358	285	410	120	47	740	858	806	671	790	738	42	42	5000	N / S1 / S2	90-155 160-226 240-310	4/16	0.04/0.18	38 38 35.5	351	351	191	409 (4/16)	160	122	135 [1]	47	63 (4/16)
6300	6300/2-4	110/54	4	2	1Bm	1Bm	11.3x31	4.0	60/240	358	285	363	120	47	740	858	806	671	790	738	42	42	6300				0.06/0.25								107		
	6300/2-4/1	111/54	4/1	2	1Bm	1Bm	11.3x31	4.4/1.1	25/25/150	358	285	410	120	47	740	858	806	671	790	738	42	42	6300				0.06/0.25								135 [1]		

1) weight including counterweight of 9.4 kg mounted under brake-sided cap

Special advantages

- High duty rate especially for areas with tropical climate

- Low maintenance requirements with easy access to all wearing parts and almost no need for special tools. This was achieved by introducing the module concept. Motor, oil filled and sealed gearbox, brake and control are ready for operation without any adjustments after being replaced, only the clutch has to be set.

- A fan cooled hoisting motor with cooling fins following the STAR LIFTKET gearbox contour.

- Use of first class materials and state of the art technology are to ensure the quality and liability for all the parts. This was accompanied by undergoing a long term test procedure in our laboratories. The proved life cycle of the parts exceeds the FEM requirements for the specific duty groups.

- An advanced safety for the hoist operation was achieved by implementing a new patented clutch/brake system as an upgrade of the previous idea of the LIFTKET system not to employ a sliding connection between brake and load. All clutch linings are of course asbestosfree.

- Making conversions from single to double chain fall or vice versa are very easy, safe and fast. Fixing of the second chain fall at the hoist body is absolutely safe and no assembly error can occur.

- Modern shape and design

- Compact and durable Aluminium gearbox with low weight