

**GFT 60 T3 2000 and 3000/1 – Technical Data**

(theoretical values, without consideration of  $\eta_{min}$  and  $\eta_v$ ; values rounded)

**GFT 60 T3 - A6VE 80 / 63W-VAL**

Motor weight: 34 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	80	80	80	80	80	80
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6917	7584	8442	9587	11189	13591
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3450	3750	3750	3750	3750
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	54	54	54	54	54
Output speed	at $V_{g\ max}$	$n_2$	rpm	39.9	39.6	35.5	31.3	26.8
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	276	300	300	300	300	300
Differential pressure	$\Delta p$	bar	450	450	447	394	337	278
Motor torque	$T_{1\ max}$	Nm	572	572	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49490</b>	<b>54266</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A6VE 107 / 63W-VZU**

Motor weight: 45 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	107	107	107	107	107	107
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	9251	10144	11292	12822	14965	18179
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3300	3300	3300	3300	3300
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	71	71	71	71	71
Output speed	at $V_{g\ max}$	$n_2$	rpm	38.2	34.8	31.3	27.5	23.6
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	353	353	353	353	353	353
Differential pressure	$\Delta p$	bar	408	372	334	294	252	208
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A2FE 80 / 61W-VAL**

Motor weight: 23 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	80.4	80.4	80.4	80.4	80.4	80.4
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6951	7622	8485	9635	11245	13659
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	277	310	346	360	360	360
Differential pressure	$\Delta p$	bar	450	450	445	392	336	276
Motor torque	$T_{1\ max}$	Nm	575	575	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49737</b>	<b>54537</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

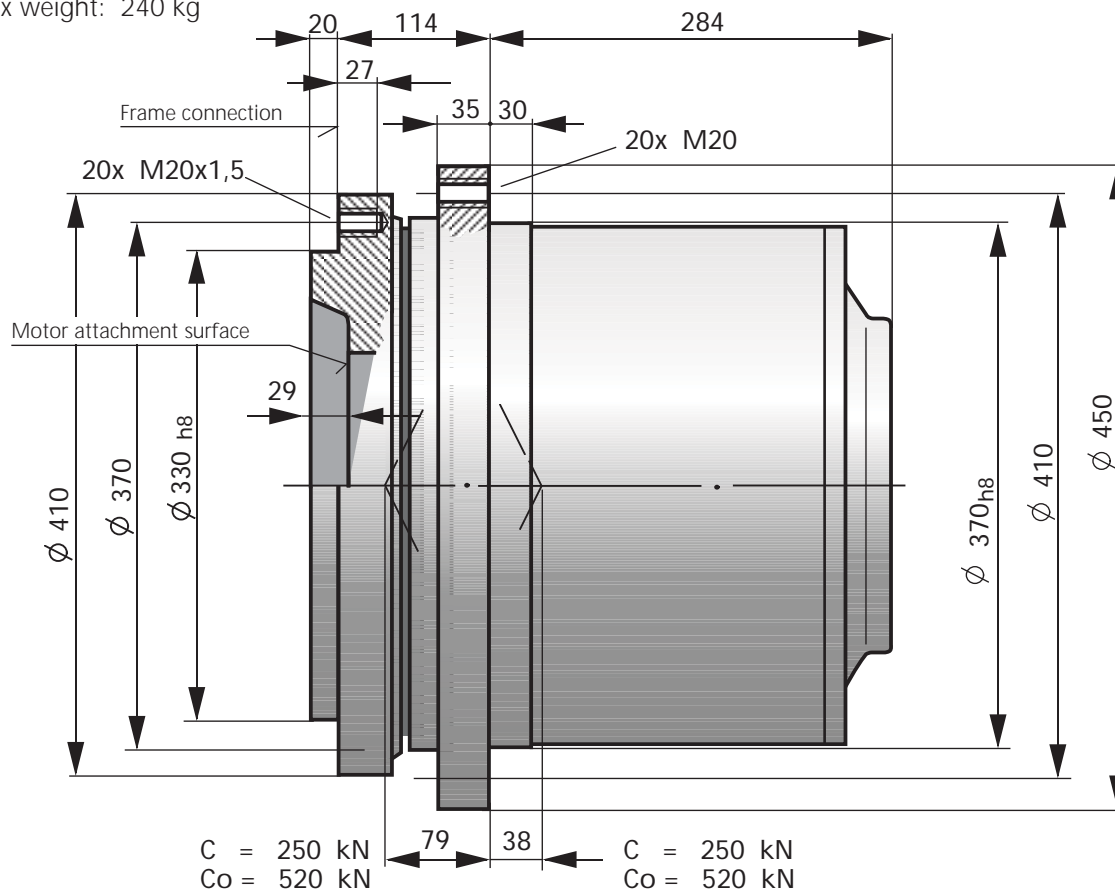
**GFT 60 T3 - A2FE 90 / 61W-VAL**

Motor weight: 25 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	90	90	90	90	90	90
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	7781	8532	9498	10785	12587	15290
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	311	347	387	405	405	405
Differential pressure	$\Delta p$	bar	450	442	397	350	300	247
Motor torque	$T_{1\ max}$	Nm	644	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>55676</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

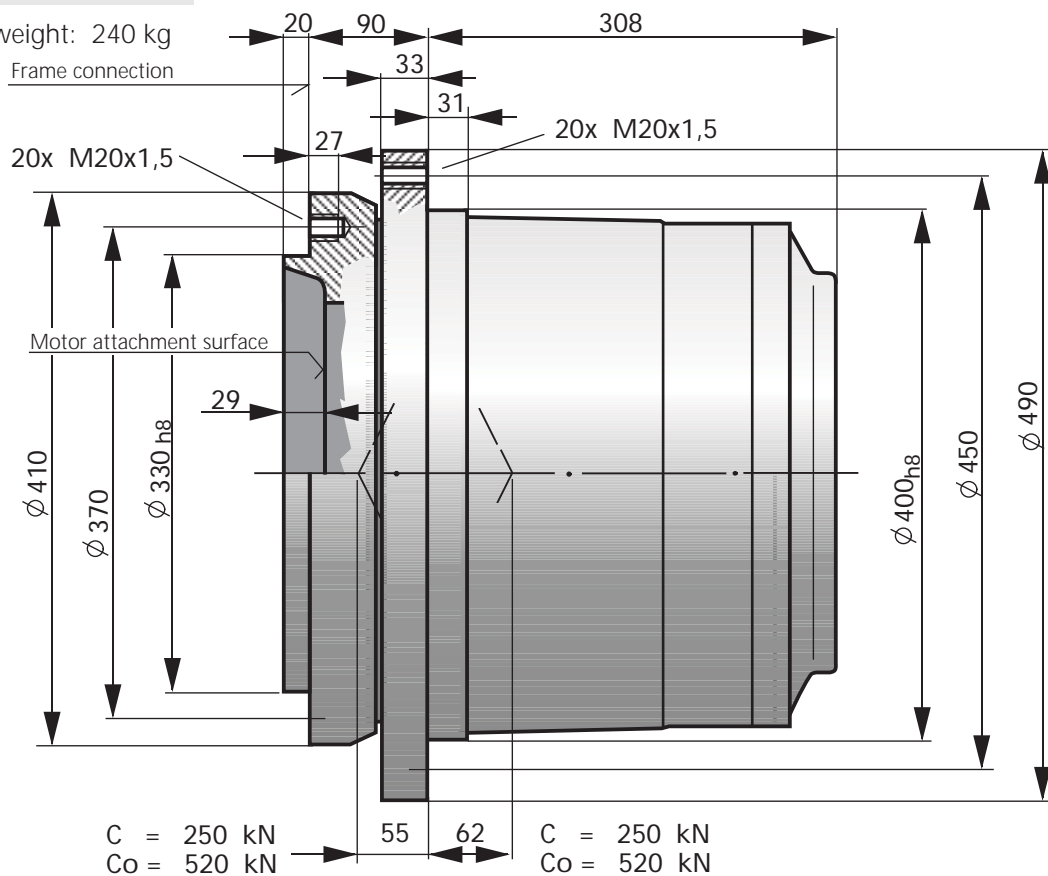
**GFT 60 T3 3000/2**

Gearbox weight: 240 kg



**GFT 60 T3 7000/2**

Gearbox weight: 240 kg



**GFT 60 T3 3000/2 and 7000/2 – Technical Data**

(theoretical values, without consideration of  $\eta_{min}$  and  $\eta_v$ ; values rounded)

**GFT 60 T3 - A6VE 107 / 63W-VZL**

Motor weight: 45 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	107	107	107	107	107	107
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	620
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	9251	10144	11292	12822	14965	18179
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3300	3300	3300	3300	3300
	at $V_g < V_{g1}$	$n_1$	rpm	3450	3850	4300	4500	4500
Output speed	$V_{g1}$	cm <sup>3</sup> /rev.	71	71	71	71	71	71
	at $V_{g\ max}$	$n_2$	rpm	38.2	34.8	31.3	27.5	23.6
	at $V_g < V_{g1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	353	353	353	353	353	353
Differential pressure	$\Delta p$	bar	408	372	334	294	252	208
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A6VE 160 / 63W-VZL**

Motor weight: 64 kg

Transmission ratio	i		86.5	94.8	105.5
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	160	160	160
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	13834	15169	16885
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3000	3000
	at $V_g < V_{g1}$	$n_1$	rpm	3450	3850
Output speed	$V_{g1}$	cm <sup>3</sup> /rev.	107	107	107
	at $V_{g\ max}$	$n_2$	rpm	34.7	31.6
	at $V_g < V_{g1}$	$n_2$	rpm	39.9	40.6
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	480	480	480
Differential pressure	$\Delta p$	bar	273	249	223
Motor torque	$T_{1\ max}$	Nm	694	633	569
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A2FE 107 / 61W-VZL**

Motor weight: 34 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	106.7	106.7	106.7	106.7	106.7	106.7
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	9225	10116	11260	12786	14923	18128
Motor speed	$n_1$	rpm	3450	3850	4000	4000	4000	4000
Output speed	$n_2$	rpm	39.9	40.6	37.9	33.4	28.6	23.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	368	411	427	427	427	427
Differential pressure	$\Delta p$	bar	409	373	335	295	253	208
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

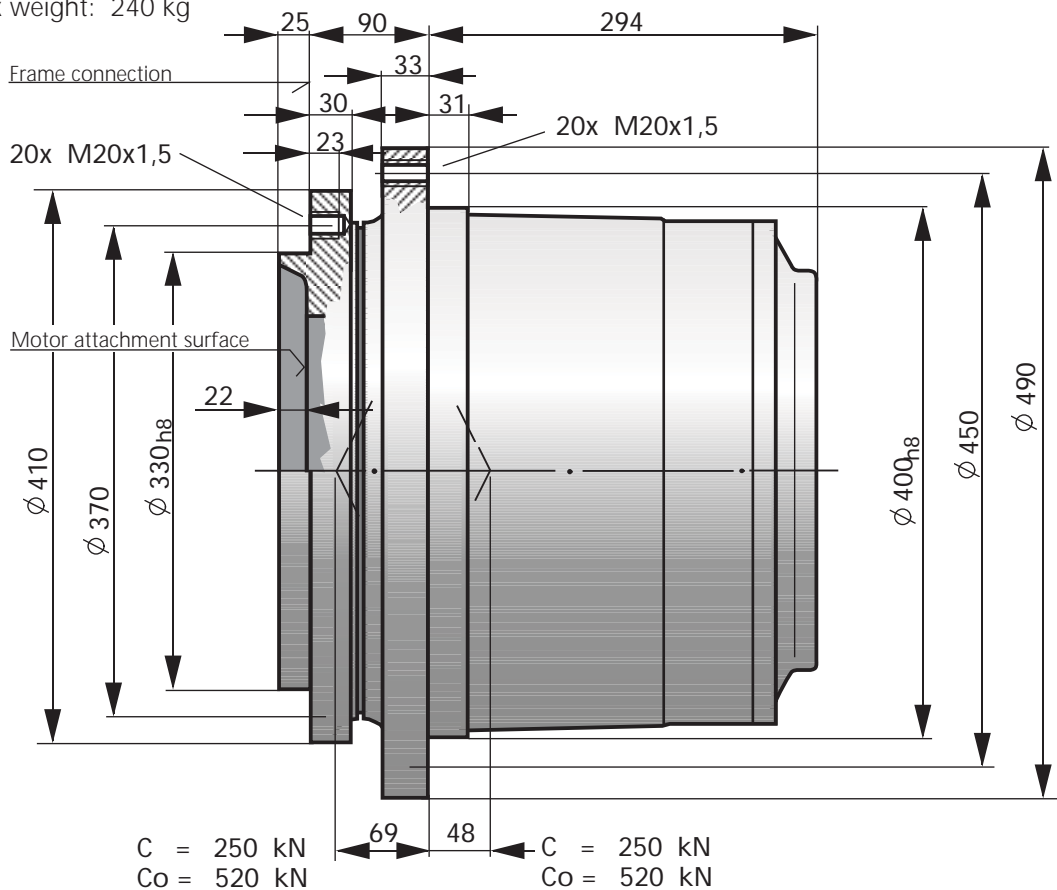
**GFT 60 T3 - A2FE 125 / 61W-VZL**

Motor weight: 36 kg

Transmission ratio	i		86,5	94,8	105,5	119,8	139,9	169,9
Motor displacement	$V_g$	cm <sup>3</sup>	125	125	125	125	125	125
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	10808	11850	13191	14979	17482	21237
Motor speed	$n_1$	rpm	3450	3850	4000	4000	4000	4000
Output speed	$n_2$	rpm	39,9	40,6	37,9	33,4	28,6	23,5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	431	481	500	500	500	500
Differential pressure	$\Delta p$	bar	349	318	286	252	216	178
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

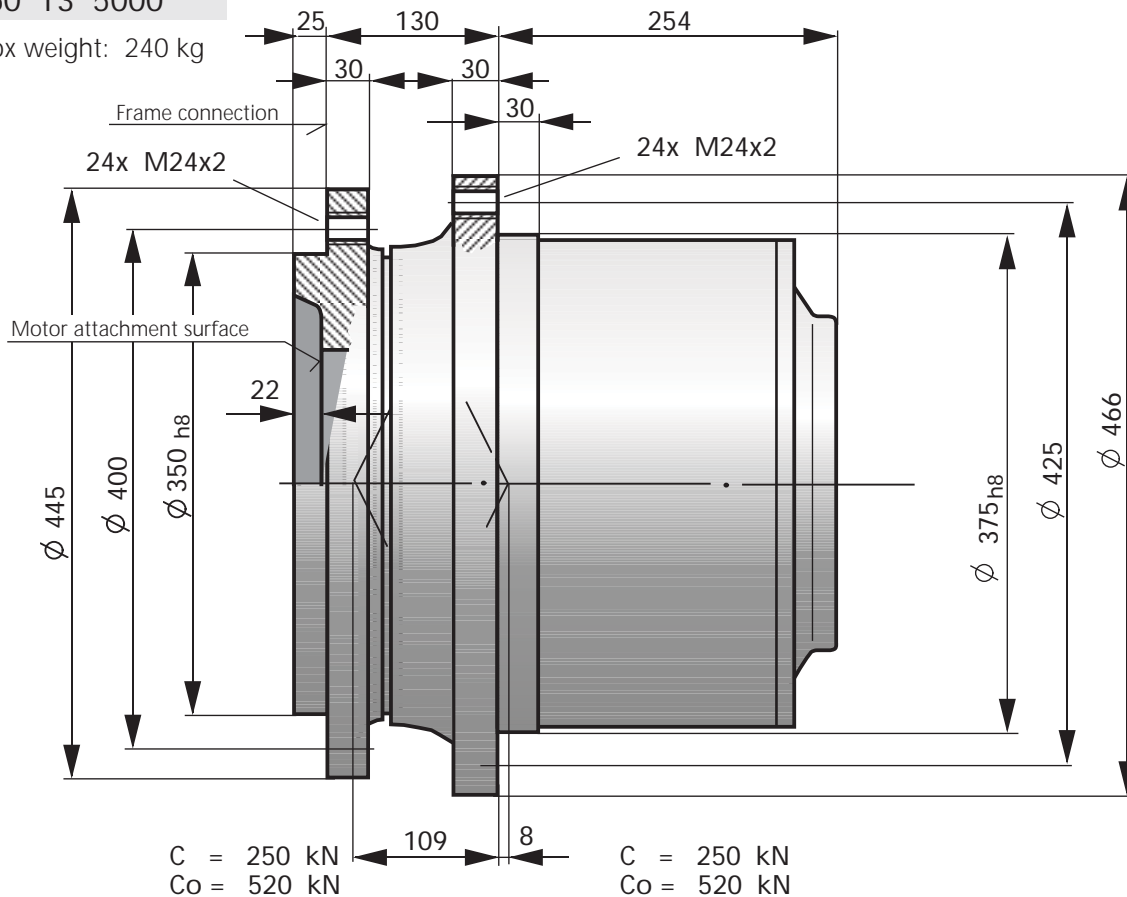
**GFT 60 T3 4000**

Gearbox weight: 240 kg



**GFT 60 T3 5000**

Gearbox weight: 240 kg



**GFT 60 T3 4000 and 5000 – Technical Data**

(theoretical values, without consideration of  $\eta_{min}$  and  $\eta_v$ ; values rounded)

**GFT 60 T3 - A6VE 80 / 63W-VAL**

Motor weight: 34 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	80	80	80	80	80	80
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6917	7584	8442	9587	11189	13591
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3450	3750	3750	3750	3750
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	54	54	54	54	54
Output speed	at $V_{g\ max}$	$n_2$	rpm	39.9	39.6	35.5	31.3	26.8
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	276	300	300	300	300	300
Differential pressure	$\Delta p$	bar	450	450	447	394	337	278
Motor torque	$T_{1\ max}$	Nm	572	572	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49490</b>	<b>54266</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A6VE 107 / 63W-VZU**

Motor weight: 45 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	107	107	107	107	107	107
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	9251	10144	11292	12822	14965	18179
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3300	3300	3300	3300	3300
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	71	71	71	71	71
Output speed	at $V_{g\ max}$	$n_2$	rpm	38.2	34.8	31.3	27.5	23.6
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	353	353	353	353	353	353
Differential pressure	$\Delta p$	bar	408	372	334	294	252	208
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A2FE 80 / 61W-VAL**

Motor weight: 23 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	80.4	80.4	80.4	80.4	80.4	80.4
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6951	7622	8485	9635	11245	13659
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	277	310	346	360	360	360
Differential pressure	$\Delta p$	bar	450	450	445	392	336	276
Motor torque	$T_{1\ max}$	Nm	575	575	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49737</b>	<b>54537</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

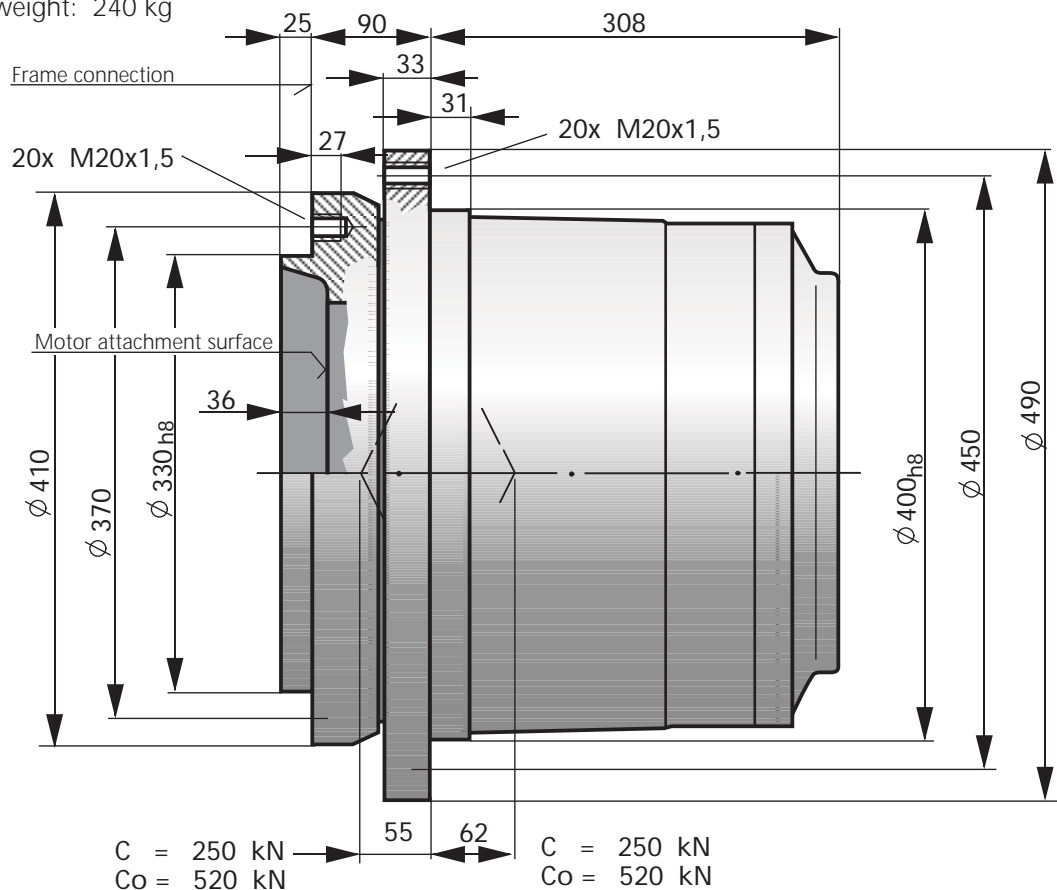
**GFT 60 T3 - A2FE 90 / 61W-VAL**

Motor weight: 25 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	90	90	90	90	90	90
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	7781	8532	9498	10785	12587	15290
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	311	347	387	405	405	405
Differential pressure	$\Delta p$	bar	450	442	397	350	300	247
Motor torque	$T_{1\ max}$	Nm	644	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>55676</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

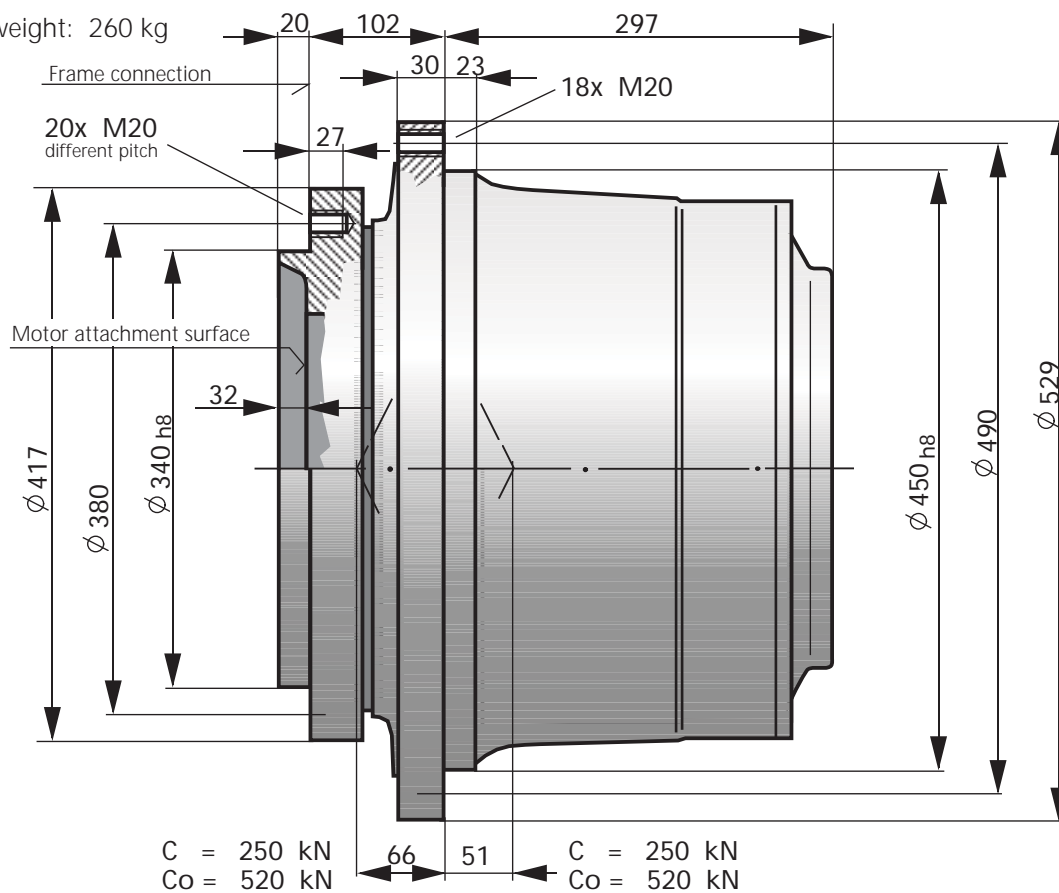
**GFT 60 T3 7000/1**

Gearbox weight: 240 kg



**GFT 60 T3 9000**

Gearbox weight: 260 kg



**GFT 60 T3 7000/1 and 9000 – Technical Data**

(theoretical values, without consideration of  $\eta_{min}$  and  $\eta_v$ ; values rounded)

**GFT 60 T3 - A6VE 80 / 63W-VAL**

Motor weight: 35 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	80	80	80	80	80	80
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6917	7584	8442	9587	11189	13591
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3450	3750	3750	3750	3750
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	54	54	54	54	54
Output speed	at $V_{g\ max}$	$n_2$	rpm	39.9	39.6	35.5	31.3	26.8
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	276	300	300	300	300	300
Differential pressure	$\Delta p$	bar	450	450	447	394	337	278
Motor torque	$T_{1\ max}$	Nm	572	572	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49490</b>	<b>54266</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A6VE 107 / 63W-VZU**

Motor weight: 45 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_{g\ max}$	cm <sup>3</sup>	107	107	107	107	107	107
	$V_{g\ min}$	cm <sup>3</sup>	0	0	0	0	0	0
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	9251	10144	11292	12822	14965	18179
Motor speed	at $V_{g\ max}$	$n_1$	rpm	3300	3300	3300	3300	3300
	at $V_g < V_{g\ 1}$	$n_1$	rpm	3450	3850	4300	4500	4500
		$V_{g\ 1}$	cm <sup>3</sup> /rev.	71	71	71	71	71
Output speed	at $V_{g\ max}$	$n_2$	rpm	38.2	34.8	31.3	27.5	23.6
	at $V_g < V_{g\ 1}$	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	353	353	353	353	353	353
Differential pressure	$\Delta p$	bar	408	372	334	294	252	208
Motor torque	$T_{1\ max}$	Nm	694	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A2FE 80 / 61W-VAL**

Motor weight: 23 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	80.4	80.4	80.4	80.4	80.4	80.4
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	6951	7622	8485	9635	11245	13659
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	277	310	346	360	360	360
Differential pressure	$\Delta p$	bar	450	450	445	392	336	276
Motor torque	$T_{1\ max}$	Nm	575	575	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>49737</b>	<b>54537</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>

**GFT 60 T3 - A2FE 90 / 61W-VAL**

Motor weight: 25 kg

Transmission ratio	i		86.5	94.8	105.5	119.8	139.9	169.9
Motor displacement	$V_g$	cm <sup>3</sup>	90	90	90	90	90	90
Max. torque of parking brake	$T_{Br}$	Nm	725	725	725	620	620	440
Total displacement	$V_{g\ total}$	cm <sup>3</sup> /rev.	7781	8532	9498	10785	12587	15290
Motor speed	$n_1$	rpm	3450	3850	4300	4500	4500	4500
Output speed	$n_2$	rpm	39.9	40.6	40.7	37.6	32.2	26.5
Inlet flow rate at $n_{max}$	$q_{v\ max}$	l/min	311	347	387	405	405	405
Differential pressure	$\Delta p$	bar	450	442	397	350	300	247
Motor torque	$T_{1\ max}$	Nm	644	633	569	501	429	353
<b>Output torque</b>	<b><math>T_{2\ max}</math></b>	<b>Nm</b>	<b>55676</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>	<b>60000</b>