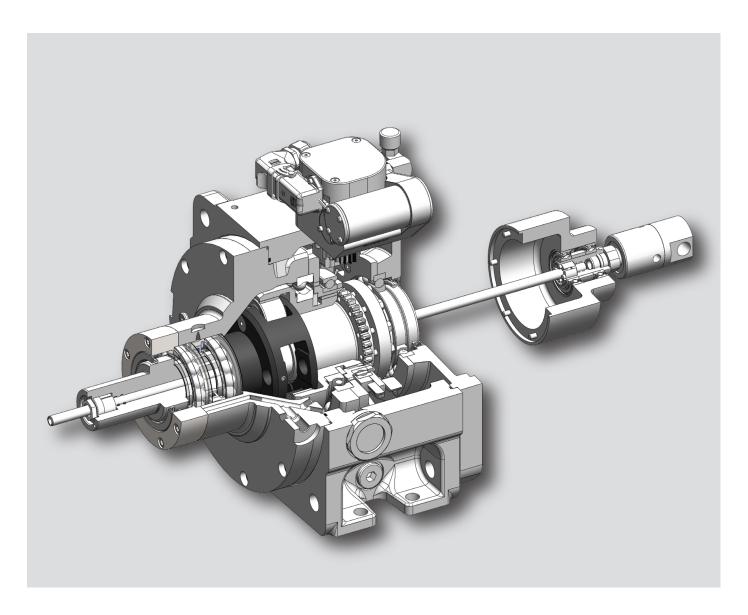
GTP2G CTS







GTP-2G CTS Speed Gear Box



CTS (Coolant Through Spindle)

To facilitate the transfer of cutting liquids like emulsions, hydraulic, oils and air-oil mixture with up to 70 bars of pressure or a flow up to rate 35 L / min through the gear box and spindle directly to tool.

Supply scope:

- GTA Rotary joint
- Steel pipe
- Coolant Through Spindle gear-box
- Bearing housing for Rotary joint
- **mayr** ROBA-DS Coupling (option)

Technical Data

Nominal data :			Ratio		2G120/121	2G250		2G300	
Motor frame size	(mm)				100	132		160	
Nominal power	(KW)				19	39		47	
Nominal speed	(min-1)				1500	1500		1500	
Nominal input torque(continuous operation S1)	(Nm)				120	250		300	
Output torque	(Nm)		1.00		120	250		300	
о апрактог цао	(Nm)		4.00		480	1000		1200	
	(Nm)		4.91		589				
	(Nm)		5.50			1375		1375	
Maximum data :	()								
Max. Torque in Nm(intermitted loading S6									
cycle duration 10min, ED. Max. 60%)									
Input	(Nm)				140	400		400	
Output(max. accelerating torque)	(Nm)		1.00		140	400		400	
	(Nm)		4.00		560	1600		1600	
	(Nm)		4.91		687				
	(Nm)		5.50			2200		2200	
Max. permitted input speed	(min ⁻¹)								
In reduction ratio i≠1	(min ⁻¹)		≠1		8000	6300		6300	
Direct drive i=1)	(min ⁻¹)		11)		120001)2)	100001)2)		100001)2)	
Max. vibration value	(mm/s)		≦		1.0	1.0		1.0	
At reference speed Max. axial force in reduction ratio in	(min ⁻¹)				6000	5000		5000	
	(N)		4.00			3964		4756	
counter clockwise(ccw) operation running and max. input torque	(N)		4.91						
See permissible axial force for motor shaft	(N)		5.50			5288		5288	
Mass moment of inertia	(J in kgcm²)		1.00		110	270		270	
Output			4.00		144	570		570	
Input					9	36		36	
Operating data :									
Approx. oil fill in dm³ oil level in middle of oil sight glass is not accurate reading	Vertical(V1) Horizontal(B5)		Recirculating lubrication						
Oil level									
Recirculating lubrication with CLS			HLP 32 as per ISO VG 32 HLP 22 as per ISO VG 22 For V1 and B5 installation position oil recirculating system is necessary Every six months or 2000 hours						
Oil change interval									
Oil temperature			Max. 120° C, depending on application, installation position, lubrication and cooling condition						
Weight:									
Standard	(approx.kg)				45	71		95	
Electrical connection :									
for shift unit									
Power consumption	W				120	120		120	
Supply voltage at shift unit	V				24±10%	24±10%		24±10%	
Current supply at 24V	A				5	5		5	
1) Places make sure the min, flow rate is 3.1								the proceure and	

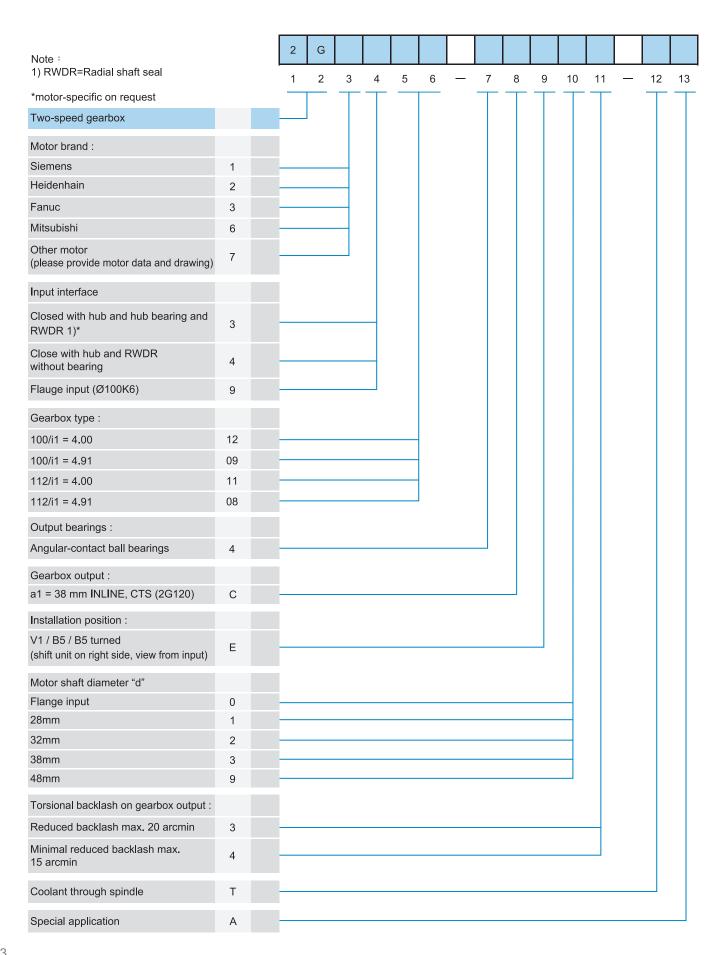
¹⁾ Please make sure the min. flow-rate is 3 L / min and the min. oil pressure is 3bar when you only use one channel (K port or L port) for channel lubrication system. If you use two channels (K port and L port) for channel lubrication system, the min. flow-rate is 2.5 L / min and oil pressure is 2.5 bar.

[※] Please make sure the pressure and volume of oil according operating instruction.

²⁾ Max. speed only permitted with port K or port L.

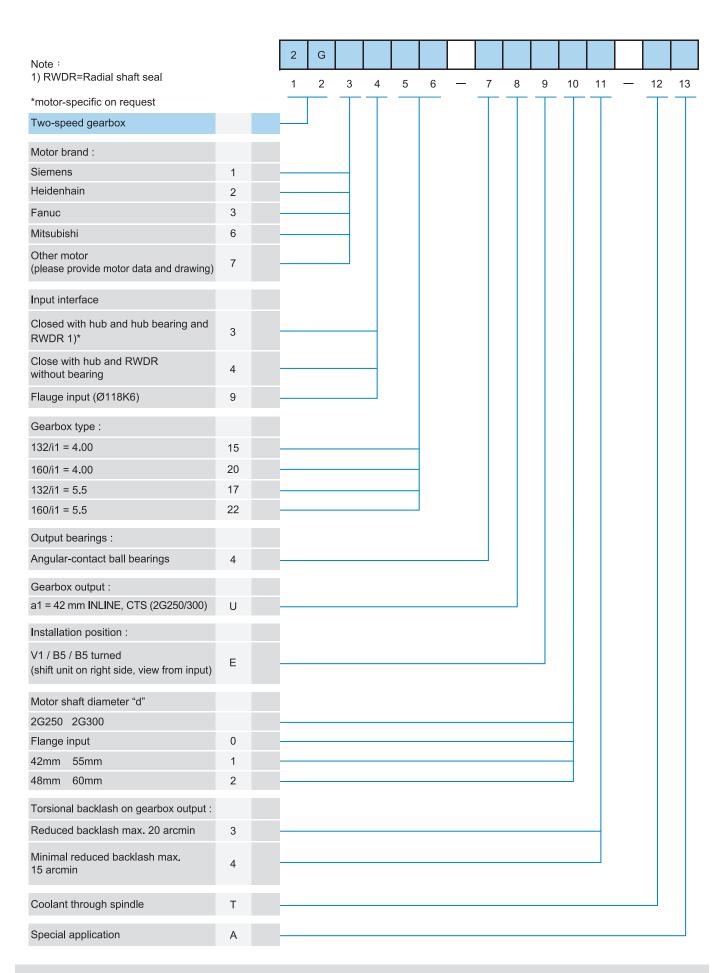
GTP-2G CTS

Ordering numbers for gearbox types 2G120/121



GTP-2GCTS

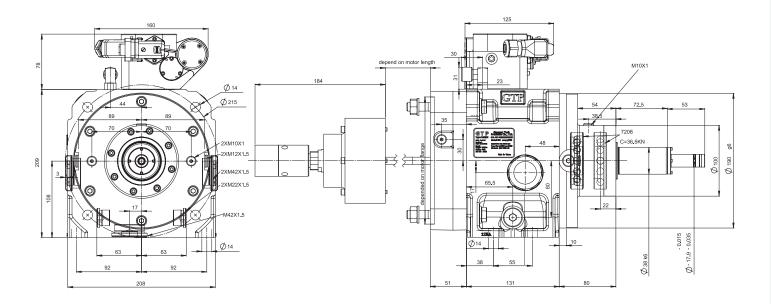
Ordering numbers for gearbox types 2G250/2G300



Installation Drawing: 26120 CTS

Standard

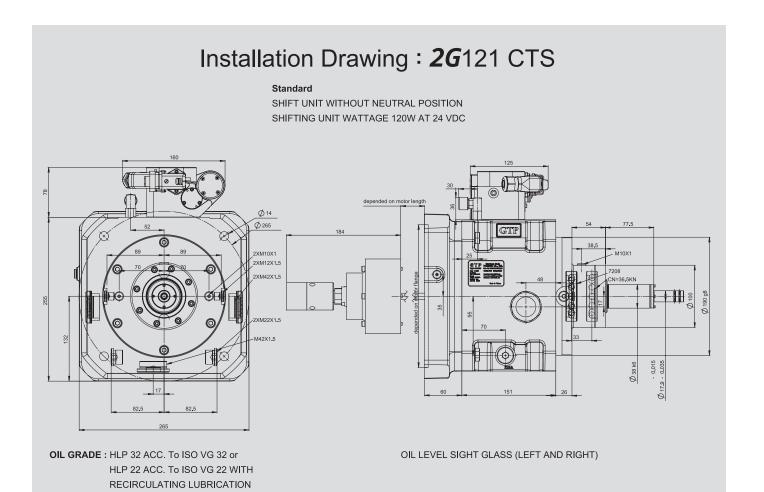
SHIFT UNIT WITHOUT NEUTRAL POSITION SHIFTING UNIT WATTAGE 120W AT 24 VDC



OIL GRADE: HLP 32 ACC. To ISO VG 32 or

HLP 22 ACC. To ISO VG 22 WITH RECIRCULATING LUBRICATION

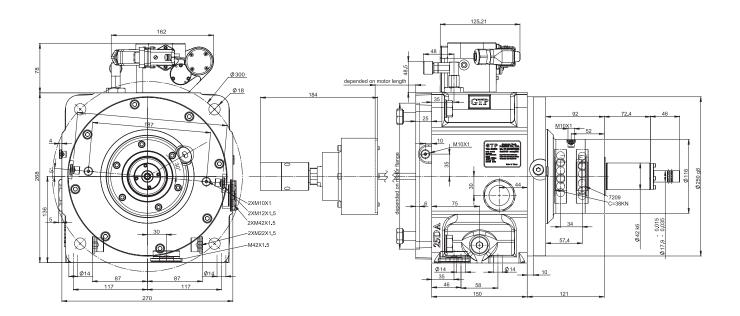
OIL LEVEL SIGHT GLASS (LEFT AND RIGHT)



Installation Drawing: 26250 CTS

Standard

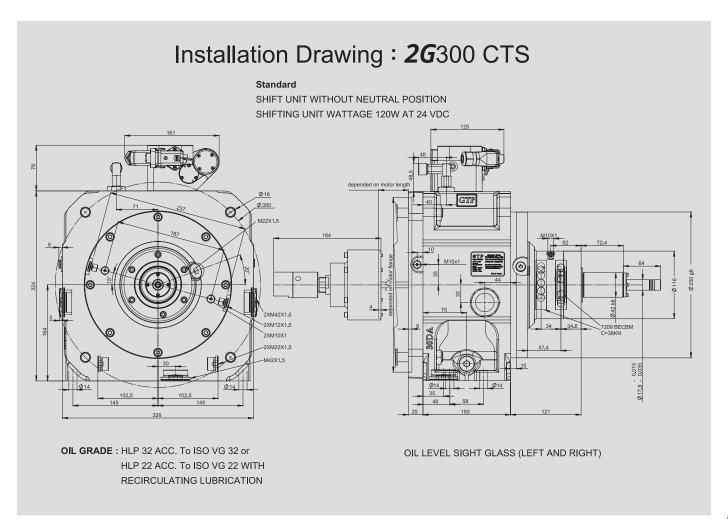
SHIFT UNIT WITHOUT NEUTRAL POSITION SHIFTING UNIT WATTAGE 120W AT 24 VDC



 $\mbox{OIL GRADE}: \mbox{HLP 32 ACC}. \mbox{ To ISO VG 32 or}$

HLP 22 ACC. To ISO VG 22 WITH RECIRCULATING LUBRICATION

OIL LEVEL SIGHT GLASS (LEFT AND RIGHT)





Add: Floor 1, No.28, Fenggong Zhong Rd., Shengang Dist.,

Taichung City, Taiwan (R.O.C.)

Postal code : 42942 Tel : +886-4-25150566 Fax : +886-4-25152413

Email: marcolin@zfgta.com.tw

Website: www.german-tech-precision.com

Chief representitive in Taiwan : German Tech Auto Co., Ltd. Chief representitive in P.R.China : Dynamic Power Transmission Co., Ltd.

