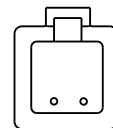
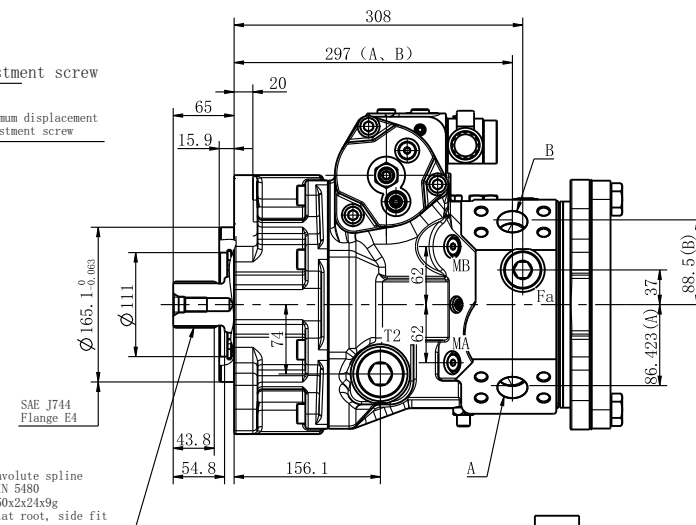
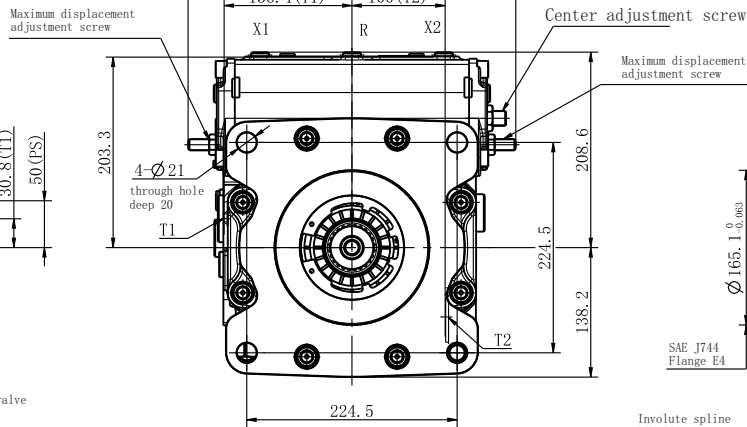
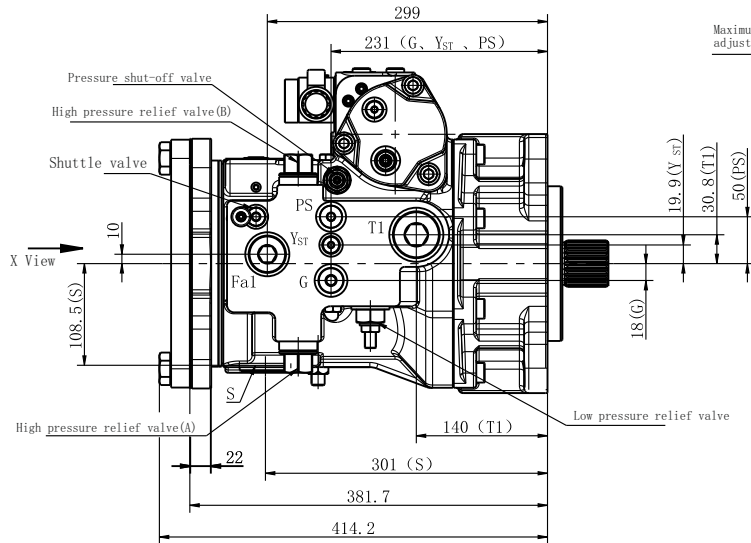
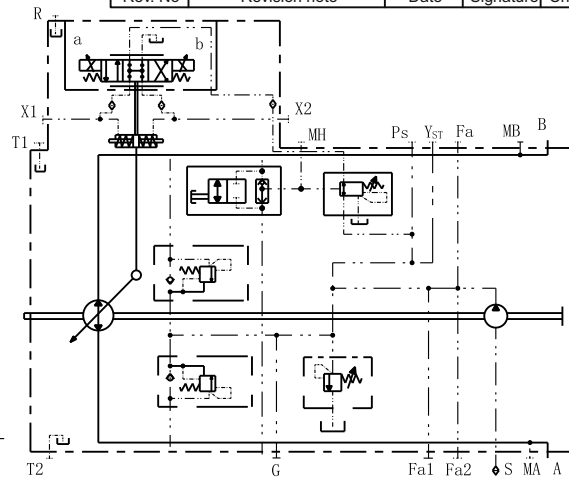
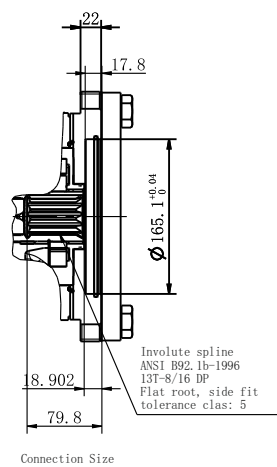
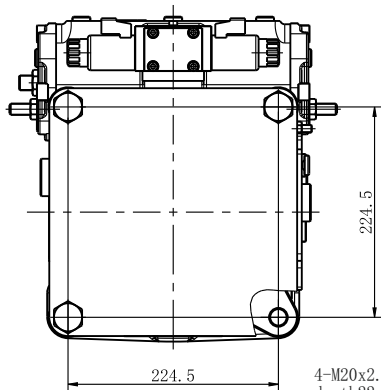
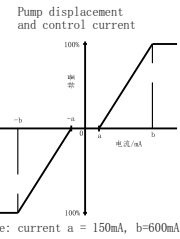


Direction of Rotation		Start Electro-magnet	Control stress	Flow Direction	Work pressure
a	Clock-wise	X1	X1	B to A	MA
b		X2	X2	A to B	MB



Solenoid connector: Deutsch DT04-2P
Voltage: 24V DC
Resistance: 19 Ω
Maximum current: 700mA
Current dither frequency: 120Hz
Current dither amplitude: 200mA
V View



- Technical requirements
- Installation precautions:
 - Before installation, the cleanliness level of the fuel tank and connecting pipes must meet ISO4406 18/15.
 - Before installation, make sure that there are no burrs on the joint surfaces and that the installation surface is free of debris and dust.
 - During the installation process, a lifting device should be used.
 - When lifting, avoid damaging the oil port sealing surface.
 - Be especially careful not to allow debris to enter the oil port.
 - Do not damage the drive shaft. Please loosen the lifting device after tightening the mounting screws.
 - When connected to the main engine, the co-axiality between the main shaft and the engine main shaft (for coupling sleeve) shall not exceed 0.05.
 - Precautions for use:
 - Before operation, inject hydraulic oil into the pump body from the housing oil drain ports T1 and T2.
 - Before operation, the air in the casing must be exhausted.
 - When in use, there should be no hydraulic oil or other liquid residue on the joint surfaces of the pump.
 - When transporting the pump, avoid collision with the drive shaft.

Main Parameters			
Direction of Rotation		Right hand	
Pump Structure		Swashplate variable pump	
Control Method: Electric proportional displacemet control			
Theoretical Displacement (cm ³ /rev)		175.4	
Speed (rpm)	Rated	2650	
	Maximum	2800	
	Minimum	500	
System pressure (MPa)	Rated (High pressure valve setting pressure related to charge pressure)	45	
	Maximum pressure (relative to charge pressure)	50	
	Low pressure side minimum pressure (relative to case pressure)	1	
Pressure cut-off valve setting (MPa) Corresponding to charge pump		42	
Charge pump displacement (cm ³ /rev)		39	
Charge pump pressure (MPa) Relative to case pressure	Low pressure relief valve set pressure	3.3	
	Continued	0.17	
Shell pressure (MPa)	Maximum cold start	0.52	
	Rated	0.08	
Suction pressure (MPa) (absolute pressure)	Rated	0.08	
	Maximum	0.6	
Other			

Ports	Port Name	Standard	Specifications
A, B	Working oil port	SAE J518	1 1/4in
	Fastening thread	DIN 13	M14x2 (depth 19)
S	Oil suction port	ISO 9974-1	M18x2 (depth 24)
T1, T2	Drain port	ISO 9974-1	M42x2 (depth 20)
R	Exhaust port	ISO 9974-1	M14x1.5 (depth 14.1)
X1, X2	Control pressure port	ISO 9974-1	M14x1.5 (depth 20)
G	Charge pressure port	ISO 9974-1	M22x1.5 (depth 19)
Ps	Pilot pressure Inlet	ISO 9974-1	M18x1.5 (depth 17)
Y _{ST}	Pilot pressure outlet	ISO 9974-1	M14x1.5 (depth 17.5)
MA, MB	Measuring pressure port A, B	ISO 9974-1	M14x1.5 (depth 15.5)
MH	Measuring high pressure port	ISO 9974-1	M14x1.5 (depth 15)
Fa	Charge pressure port	ISO 9974-1	M33x2 (depth 21)
Fa1	Charge pressure port	ISO 9974-1	M33x2 (depth 15)
Fa2	Charge pressure port	ISO 9974-1	M22x1.5 (depth 18.5)

DESIGNED	STANDARD
COLLATED	APPROVED
CHECKED	MATERIAL/HEAT
REV	PASS
ALTERATION	DATE
DESIGNED	APPROVED
WPC	TECHNICS

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MM
TOL - LINEAR: ±0.2
ANGULAR: ±1

THM
HYDRAULICS
THM HUADE HYDRAULICS PVT LTD
EMAIL: sales@thmhuade.com, salesho@thmhuade.com

MATERIAL: WEIGHT:

DESCRIPTION:
REAR PUMP
PRODUCT UID: T014511982
SCALE: DWG NO.: I/NO.: