



镇江液压股份有限公司
ZHENJIANG HYDRAULICS CO.,LTD

119电控双排量 全液压转向器



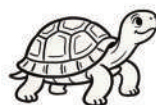
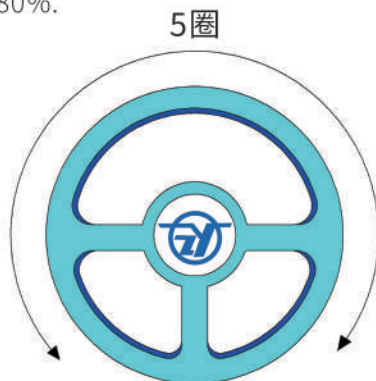
产品简介

119电控双排量全液压转向器通过控制电磁阀开关可实现两种排量工作模式。电磁阀失电时，为第一种小排量模式，方向盘转向圈数较多，适合主机道路工况下使用，转向慢，安全可靠；电磁阀得电时，为第二种大排量模式，方向盘转向圈数较少，适合主机作业工况下使用，转向快，效率高。

The 119 electro-hydraulic dual displacement power steering gear can achieve two displacement operating modes by controlling the on/off of the solenoid valve. When the solenoid valve is de-energized, it operates in the small-displacement mode, which results in more steering wheel turns. This mode is suitable for on-road driving conditions of the host machine, providing slow steering with safety and reliability. When the solenoid valve is energized, it switches to the large-displacement mode, which results in fewer steering wheel turns. This mode is suitable for working conditions of the host machine, offering fast steering with high efficiency.

例如，两种排量分别为100mL/r和500mL/r，100mL/r小排量下转向圈数为5圈，500mL/r大排量下转向圈数可减少至1圈，转向效率提升80%。

For example, the two displacements are 100 mL/r and 500 mL/r respectively. In the small displacement mode (100 mL/r), the number of steering wheel turns is 5; in the large displacement mode (500 mL/r), the number of steering wheel turns can be reduced to 1, improving steering efficiency by 80%.



小排量模式
Small Displacement Mode



大排量模式
Large Displacement Mode

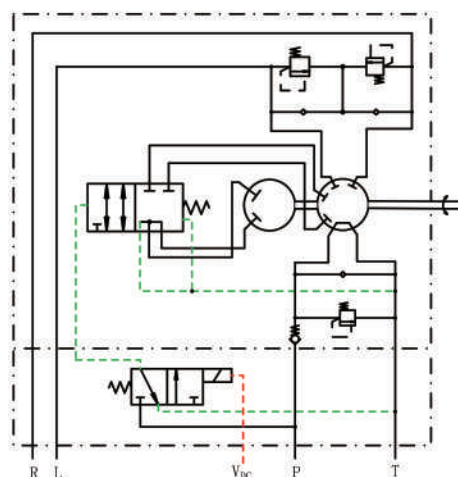
技术特点 Characteristic

- 摆线马达始终参与两种工作模式计量工作，转向器完全按照方向盘转速和圈数工作
Gerotor motor always participates in the metering work of both working modes; the steering unit works precisely according to the steering wheel speed and number of turns
- 保留紧急转向功能
Emergency steering function is retained
- 根据不同工况，轻松选择两种工作模式
Easily switch between the two working modes depending on operating conditions
- 可在开芯、负荷传感系统中使用
Suitable for use in open-center and load-sensing system
- 适合频繁转弯、掉头、V型和S型作业全液压转向
Suitable for full hydraulic steering with frequent turns, U-turns, V-shaped and S-shaped operations
- 转向效率提升50%以上
Steering efficiency increased by more than 50%

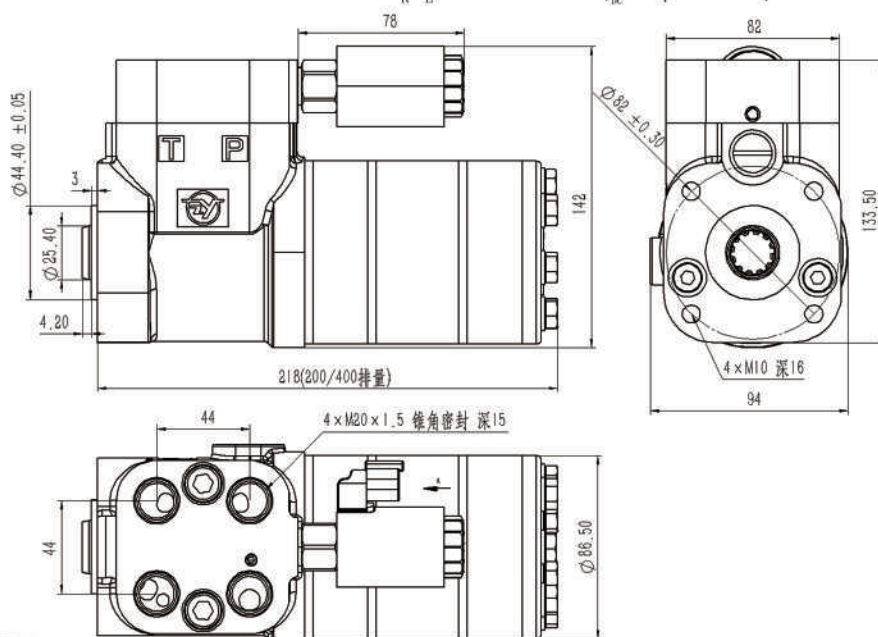
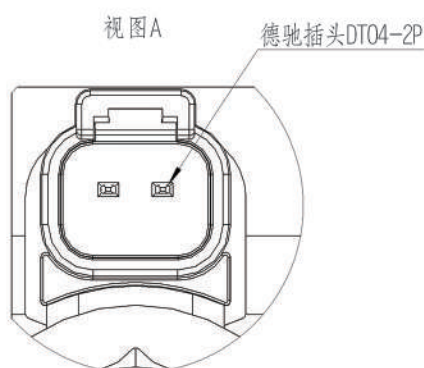
技术参数 Technical Specifications

液压 Hydraulic	排量 Displacement	200/400mL/r、100/200mL/r、100/300mL/r、 100/500mL/r、80/480mL/r
	动力转向扭矩 Power steering torque	0.8-3 N·m
	系统压力 System pressure	≤ 17.5 MPa
	工作温度 Operating temperature	-30-60℃
电气 Electrical	电源 Power supply	12V _{DC} / 24 V _{DC}
	消耗功率 Power consumption	25W
	防尘防水等级 Protection rating	IP69K
	插头 Connector	Deutsch DT04-2P

液压原理图 Schematic Diagram



外形图 Profile



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