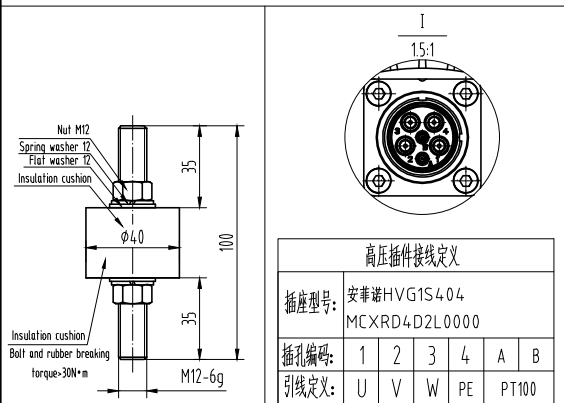


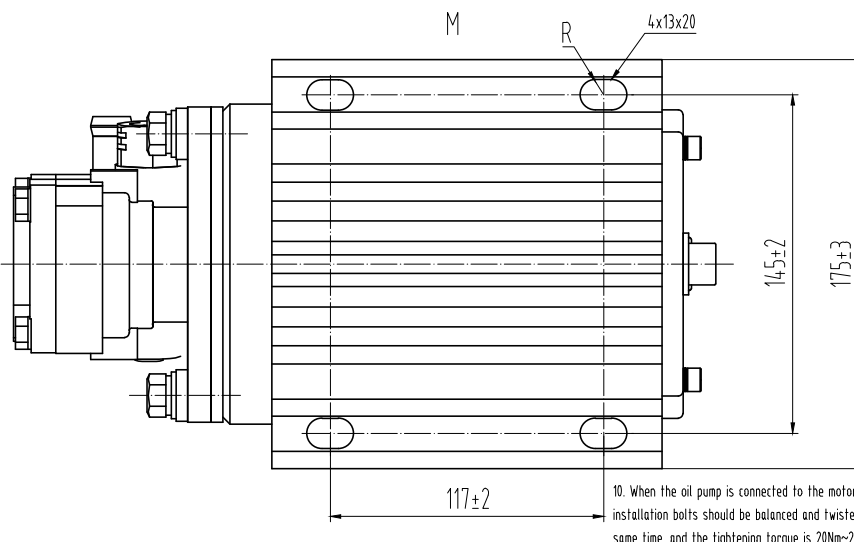
1. The motor must meet "GB 14711-2003 General Safety Requirements for Small and Medium-sized Rotating Motors";
2. The oil pump assembly meets the requirements of QC/T299 "Technical Conditions for Automotive Power Steering Oil Pumps";
3. Measure the noise value at a distance of 1000mm in front of the assembly. When running at no load, the assembly noise is less than 68dB;
4. Tighten the motor socket and oil pump inlet and outlet caps with anti-knock and anti-dust caps to prevent pollution during transportation and storage;
5. The motor is connected to the oil pump without secondary insulation, and there is a reliable grounding protection line interface on the surface of the motor, which must be effectively grounded after installation;
- 6 The stay time of the steering wheel to the limit position is not allowed to exceed 10s, and the system does not allow over-current protection to stop;
- 7 When wiring, the terminal voltage phase sequence letter must correspond to the motor wiring socket wiring letter phase sequence one-to-one, at this time, from the direction of the pump head,

The rotation direction of the motor is counterclockwise, otherwise the rotation direction of the motor is opposite, and the steering pump does not work.



Project Description	Technical parameters	Project Description	Technical parameters
Rated power	2.2kW	Maximum power output	4.4kW
Rated voltage	AC220V	Rated torque	14 N.m
Back EMF	177V/krpm	Peak torque	28 N.m
Motor efficiency	≥92%	Rated current (phase current)	7.8A
Insulation class	Level H	Peak current (phase current)	15.4A
Protection level	IP67	Rated speed	1500r/min
No-load noise	<68dB(1m)	Rated frequency	125Hz
Cooling method	自然冷却	Pole pair	10
Rated speed	1500r/min	D axis inductance	5.88mH
Rated frequency	125Hz	Q axis inductance	6.62mH
Operating ambient temperature	-40℃~+85℃	phase resistance(20℃)	1.85Ω

Displacement	8.2 ml/r	control flow	1500r/min, 0.5MPa	12±1 L/min
Maximum pressure	13 ^{+0.7} ₀ MPa		1500r/min, 11MPa	≥ 9.6 L/min
Oil pump efficiency	≥80%	Rotation of the oil pump (viewed from the shaft end of the oil pump)		right-handed rotation



10. When the oil pump is connected to the motor, the installation bolts should be balanced and twisted in at the same time, and the tightening torque is 20Nm~22Nm;

11. After engraving the content on the nameplate of the assembly, install it in the position of the reserved nameplate hole of the motor, and the nameplate should be installed firmly.

						Outline drawing	2149 08197 001		
							version	weight	scale
						A	S	A.0	14 1:15
							Electric steering oil pump		
							RUILI GROUP RUIJIAN AUTO PARTS CO., LTD.		