



AUGER DRIVES FOR LORRY MOUNTED CRANES

Autoguide Equipment is acknowledged as the prime source for auger drives to be fitted to lorry mounted cranes throughout the world.

We supply most of the utilities in the United Kingdom, including all of the units with British Telecom and practically all Electricity supply companies.

Our range includes Variable Speed Powerheads capable of 6,000Nm to 200,000Nm with flows of 20 to 200L/m and pressures up to 400BAR



MODEL	TORQUE (Nm)	FLOW (l/m)	PRESSURE (BAR)	HOLE SIZE (MAX)	GROUND CONDITIONS
40,000 PXV	8,200	40	275	48" 120cm	SOIL/ CLAY
50,000 PXV	12,000	50	275	48" 120cm	SOIL/ CLAY ROCK
60,000 PXV	16,500	60	275	48" 120cm	SOIL/ CLAY ROCK
ROCK MASTER	12,000	30	275	48" 120cm	SOIL/ CLAY ROCK

AUTOGUIDE EXPERIENCE

Lorry mounted cranes typically have high pressure hydraulic systems, but the length of the boom creates severe flow restriction. We discovered many years ago that on a crane, torque levels need to be 50% higher than the same auger mounted on an excavator.

This is because the crane boom is designed to bend under load, and as a result augers tend to dig in and stall whilst the crane deflects. As a result, the auger motor blows its relief valve, generating heat, which is not dissipated by movement of the crane in the normal way, the cylinders acting as effective oil coolers. It is also not enough to fit an oil cooler as energy is being wasted and digging performance is poor.

AUTOGUIDE EXPERTISE

The solution was to develop the PXV range of powerheads.

A PXV powerhead contains variable speed Axial piston motors, able to cope with high pressures (up to 400BAR) whilst operating at close to 100% efficiency .

The advantages of a PXV variable speed head include;

- Extended life of hydraulic components
- High torque under load to drill even the toughest of soils
- Reduced shock loads
- No offset loading of telescopic boom sections
- Light weight
- Simple connection via standard valves
- Capability to lock unit at low speeds
- Autoguide design and engineering service to tailor the product to your specific needs

PXV powerheads are industry proven, with British Telecom Units still in operation after 10+years use.

Our company has over 30years experience, working with the industry leaders.

To ensure we maintain our unrivalled standard, we use only the highest quality components.

AUTOGUIDE SERVICE

As an engineering firm, all products are specified to the exact requirements of the customer.

Working with previous clients, we have developed 3 mounting options for our crane mounted powerheads.

- Hydraulic quick release coupler - connects all 3 hoses, and electric if required in one operation.
- Rope Wind-Up Bracket, allows permanent storage of the powerhead and drill, parallel with the boom.
- Hydraulic Fold-up Bracket , quick hitch system allows permanent mounting and Quick Hitch removal whilst using the crane for other tasks.

Please call us to discuss your requirements - we are here to help!