

Jost mobile hydraulic product enquiry questionnaire.

POWER TAKE-OFFS

1. Truck **make**. ie Nissan; Hino; MAN etc.
2. **Model** designation i.e. UD460; 28-418; 33.360
3. And/or. **Truck gearbox model**.
4. **Application**. Tipper, crane, bulk carrier etc.
5. If possible, **size of pump to be used with PTO**. In liters/min.

Notes:

PUMPS

1. Piston pump or gear pump? The operating pressure can also tell you this.
Up to 200 Bar (20mPa) a gear pump is suitable. Over that pressure a piston pump is recommended.
2. **Pump size** in liters/min.
3. **Pump mounting**, type of flange. **Four bolt or three bolt**.
4. **NB**. On **gear pumps** and **bent axis piston pumps**, the direction of **rotation** must be established. Find out which direction the PTO rotates. When phoning our internal sales make sure you tell them this rotation direction and that it is the rotation of the PTO. If you know or can find out the pump rotation. Remember that the PTO and pump which go together have opposite rotations. Make sure, do not get confused by this because a mistake can cost serious money.

Notes:

TIP VALVES

1. There are two types of valves for tipper. Three position or “**hold position**” type valves. This type of valve has a neutral position when nothing moves. It also has a tip position and a lowering position. The other valve type is two position or “**no-hold position**”. It has a tip and a lowering position. This question must be asked when there is an inquiry for a valve.
2. The cab controls used with these valves also have either two or three positions like the valves that they control.
3. **Operating pressure** of the system, which means the pressure at which the cylinder operates if it is a tipper. In mPa or Bar.
4. The **oil flow-rate** of the valve. If the customer does not know, ask for the pump size on the system.
5. The **sizes of the oil ports** of the valve.

Notes:

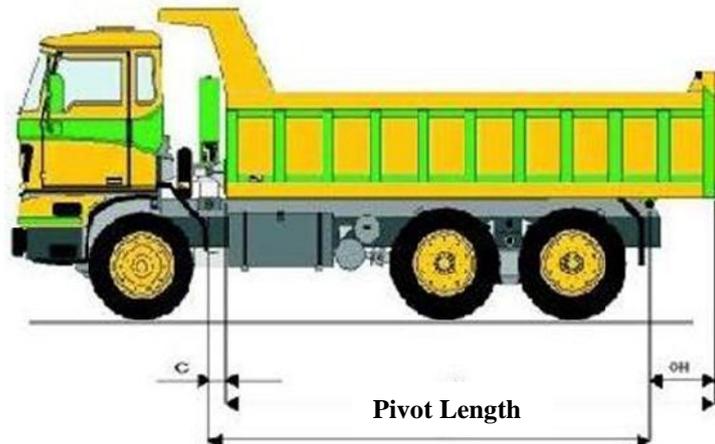
AIR CONTROLS (CAB CONTROLS)

1. There are **single** and **double** types. The single type controls either a PTO or a two position (no-hold type) tip valve. The double controls incorporate a control for the PTO and the valve.
2. The portion of the control that operates the valve is either a hold (three) position type or a dual position type.

Notes:

TIPPER HYDRAULIC CYLINDERS

1. **Type** of cylinder i.e. Front of body
Under body
Linkage type
Side tipper Cylinder
2. **Measurements** of existing cylinder.
Closed length
Number of stages
Diameter of largest stage or barrel (body).
3. **Mounting** configuration. Eye to eye
Trunion to eye
Cover type
4. **Cubic capacity** of tipping body in cubic meters.
5. **Weight** to be tipped/discharged in metric tons.
6. **Pivot Length** measured from hinge point to cylinder centre



Notes: