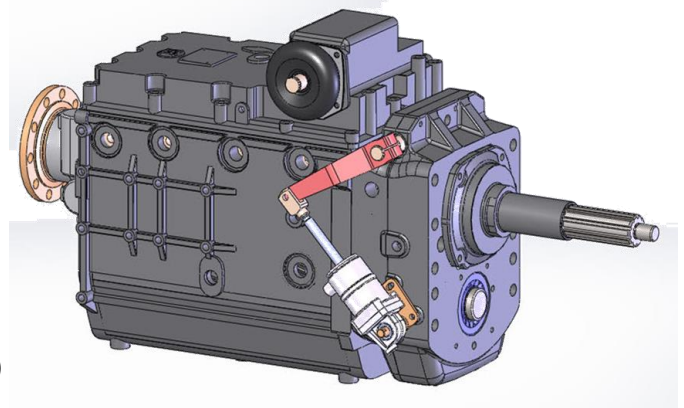


## CH 12S-120

The synchromesh Transmission  
with 12 ratios (S6-90 + GV)  
By Front Mounted Splitter Group (GV)



### Property:

The front mounted or integrated splitter group permits the gear ratios to be divided again; That is to say a low and a high ratio can be selected in each main gear lever position. In this way, the steps between adjacent ratios are reduced. The entire ratio range can be split into small gear steps, which can be selected in succession. Furthermore, the splitter group in - creases the range of ratios by an additional "half-ratio".

The gear cluster provides a second constant input ratio, engaged pneumatically with a lock-synchronizer mechanism via a two-stage cylinder.

The control system for this shift feature consists of a pre-select valve on the gear shift lever and release valve at the clutch pedal. As required, the high or low ratio is preselected at the shift lever and engaged when the clutch is depressed.

### Technical specifications:

Main transmission	Transmission	Splitter group	Input torque	Ratio spread	No.of gears	Installation Dimensions	Oil Capacity	Mass/ Weight
CH 12S-120	CH S6-90	GV 90	1100	9.01-0.82; R:8.30-6.82	12+2	937	15	295
C1T2 050 404	1268 007 705	C6T3 050 901						

### Installation:

- Clutch bell housing Acc to standard: SAE I
- Input shaft Acc to standard: SAE 10 C 2"
- Output flange type: XS
- Gearbox installation direction: Horizontal
- Gear shifting system: Direct \_ pneumatic
- Ability to installation PTO

