

# 12 AS 1420 TD ZF-ASTronic mid (Truck)

Automatic transmission system for mid-range trucks



<b>Transmission type</b>	<b>12 AS 1420 TD</b>
<b>Input torque</b>	max. 1400 Nm
<b>Weight</b> without auxiliaries	≈ 201 kg*
<b>Oil capacity</b> for initial filling	≈ 9.3 dm <sup>3</sup>
<b>Oil grade</b>	as specified in ZF List of Lubricants TE-ML 02
<b>Clutch bell housing</b>	integrated; <b>SAE 1</b> standard / <b>SAE 2</b> optional

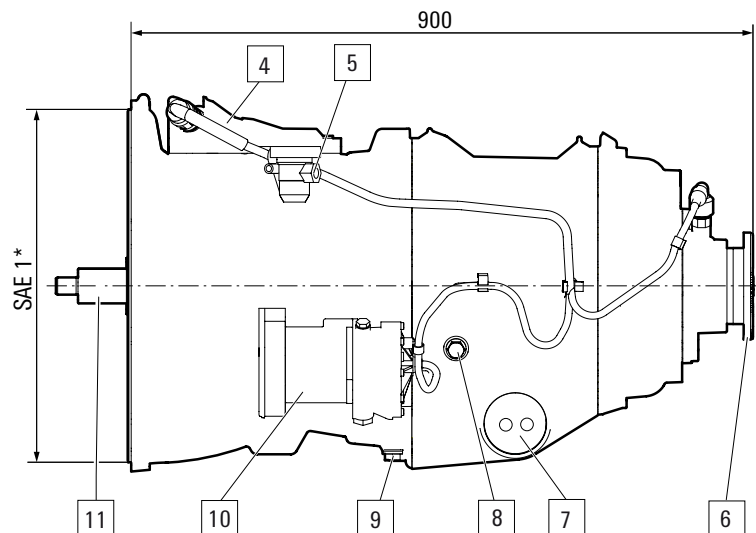
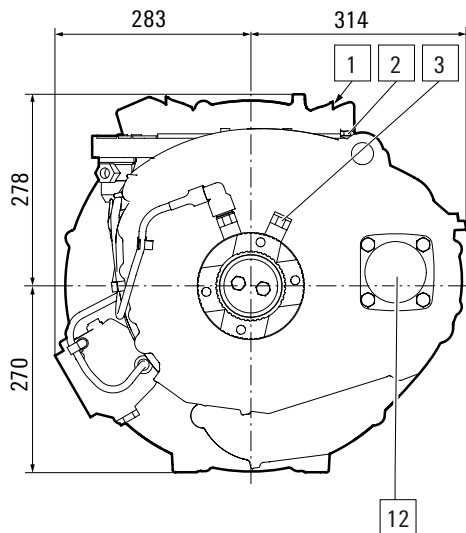
\* w/o clutch release, w/o oil fill

### Standard ratios in gear

1	2	3	4	5	6	7	8	9	10	11	12	R1	R2
12.84	10.37	8.03	6.49	5.18	4.18	3.07	2.48	1.92	1.55	1.24	1.00	13.07	10.56

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## Installation dimensions



\* SAE2 optional available

- |  |   |
|--|---|
| <b>1</b> Electrical connection                           | <b>8</b> Oil fill and oil overflow check            |
| <b>2</b> Breather  | <b>9</b> Oil drain                                  |
| <b>3</b> Speedo sensor                                   | <b>10</b> Clutch module                             |
| <b>4</b> Gearshift module                                | <b>11</b> Input                                     |
| <b>5</b> Compressed air connection                       | <b>12</b> Connection point for clutch-dependent PTO |
| <b>6</b> Output  |   |
| <b>7</b> Heat exchanger (optional, application specific) |   |