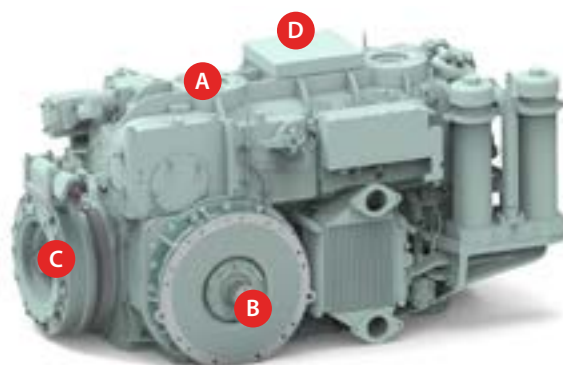


T1000 TRANSMISSION FAMILY

The T1000 is a fully automatic transmission designed and manufactured by David Brown Santasalo, suitable for installation within AFV's up to 45t. The transmission features six forward and two reverse gears at a rating of up to 1000 bhp with scope for future growth.

Key features	
Rating	1000hp (750kw) @ 2600rpm
Speed changing module	Six forward gears and two reverse gears. Epicyclic change speed section with multiplate clutches
Arrangement	- Single input and two in-line outputs are right angles to the input - Drive is transmitted from the engine through a splined coupling close coupled to the engine - The gear and direction of travel are engaged by correctly sequenced application of multiplate clutches, actuated hydraulically and controlled by electro- solenoid valves - Forward or rearward engine mounting options

Principle dimensions	
Length	850mm
Height	950mm
Width	1700mm (excluding coupling)
Net dry weight	1960kg



A – Power take off

B – Input

C – Output

D – TCU



Rating

- 1000hp (750kW)
- 2286 ft lbs (3100Nm)

Change speed section

- Three epicyclic gear trains and six oil cooled multiplate clutches arranged to give six forward and two reverse ratios

Forward	1 st	2 nd	3 rd	4 th	5 th	6 th
	5.46	3.63	2.39	1.62	1.07	0.71
Reverse	1 st	2 nd				
	3.68	1.09				

Torque converter

- Three element type with lock-up clutch for vehicle starting in 1st and 2nd forward gears and reverse gear

Steering

- Hydrostatic steer providing infinitely variable steer control to the minimum turn radius

Lubrication system

- Independent system with integral pumps and filters

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The information contained in this catalogue has been obtained through sources deemed reliable but cannot be guaranteed as to its accuracy. Any information of special interest should be obtained through independent verification and consulted with a David Brown Santasalo representative.

In the interest of continuous development, David Brown Santasalo reserves the right to alter designs and specifications without prior notice.

David Brown Santasalo is certified to ISO 9001:2008, 14001:2015 and 45001:2018. Your David Brown Santasalo representative should be consulted prior to product selection and use. 3X terms and conditions apply. Contact your local David Brown Santasalo representative for details and to check eligibility.

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