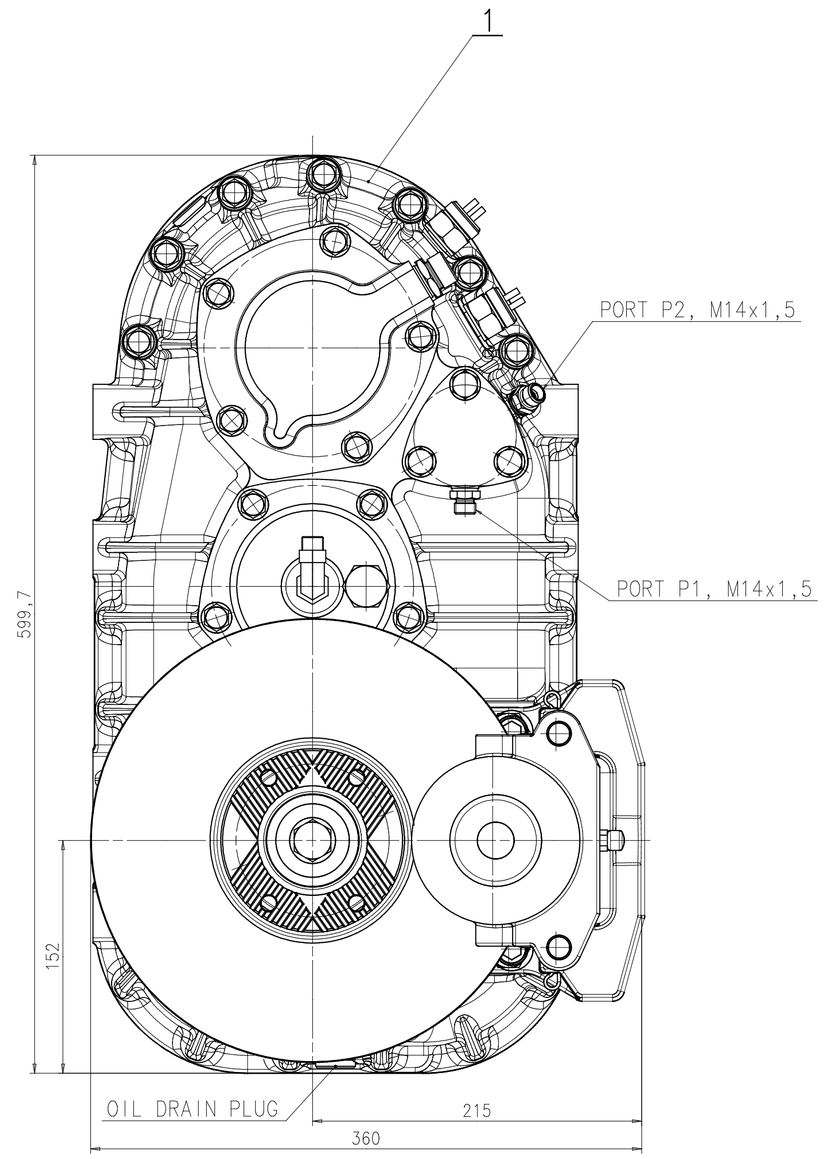
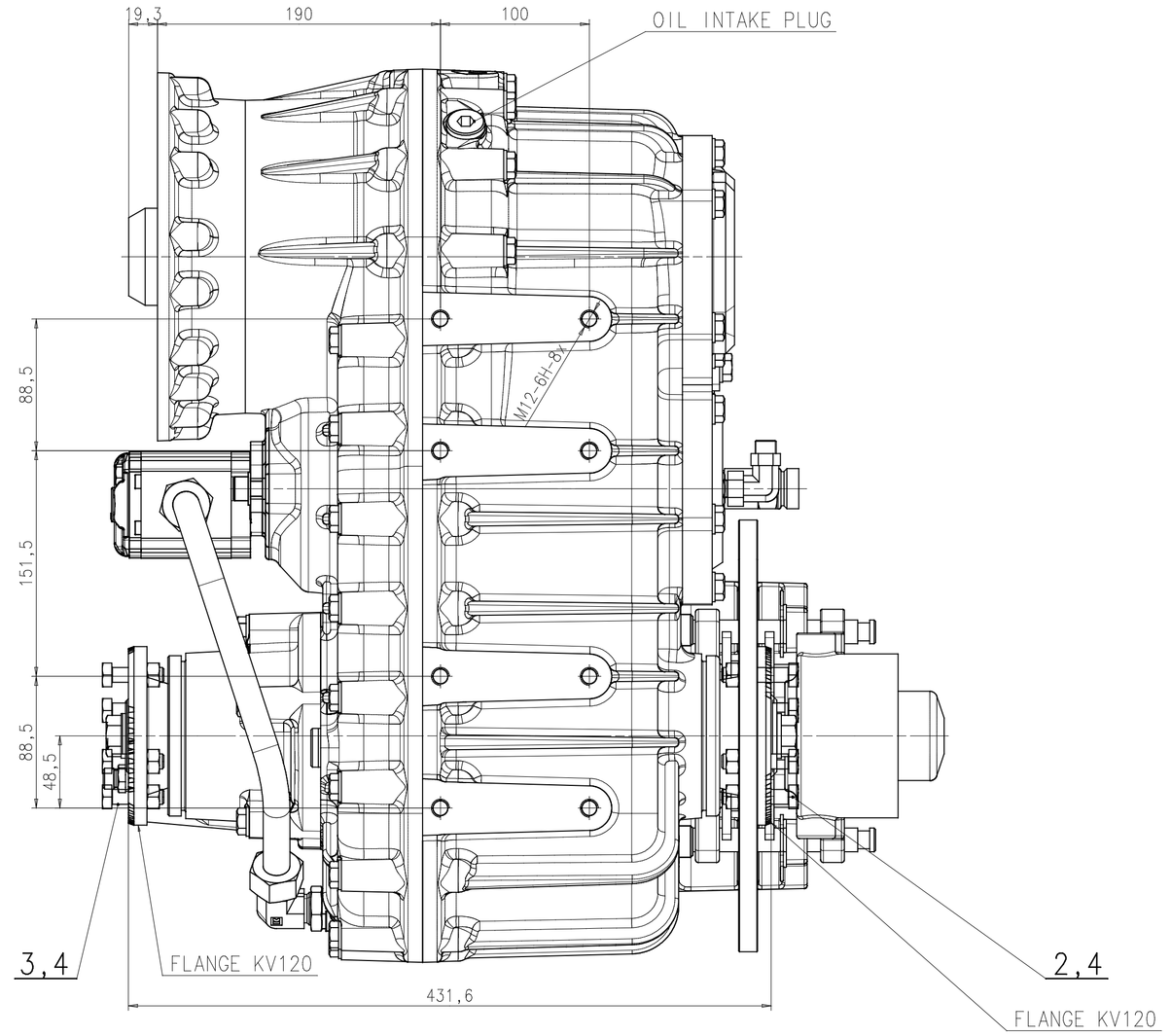
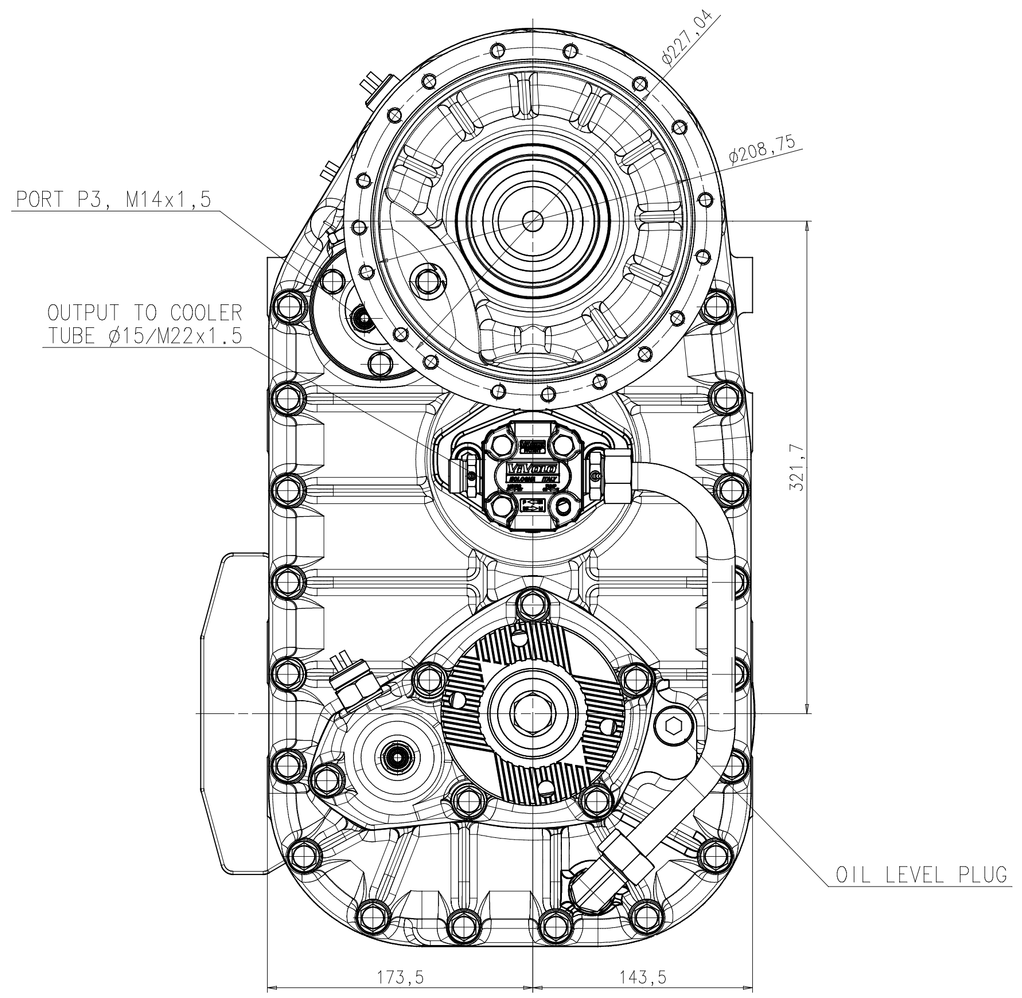
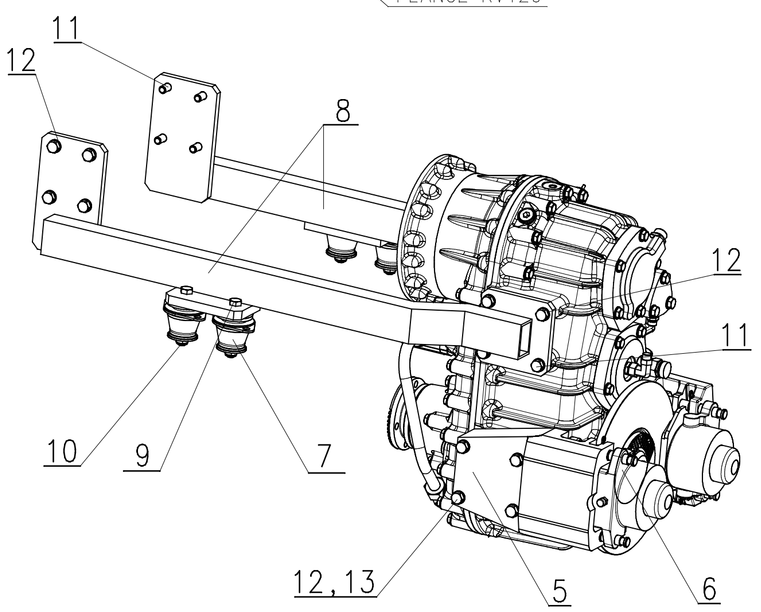


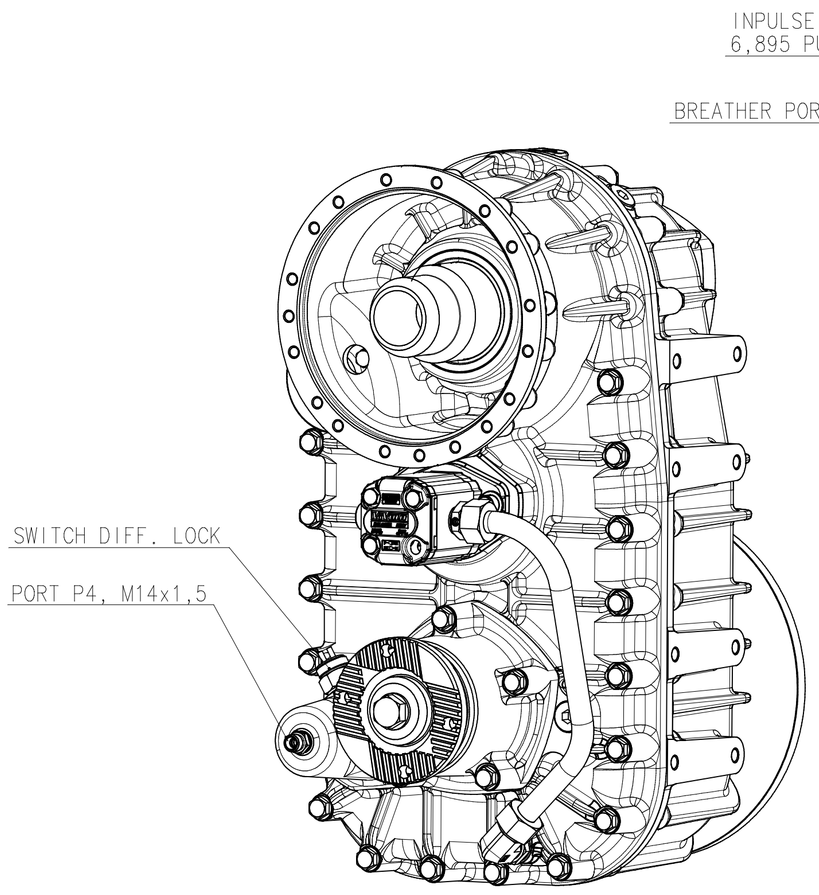


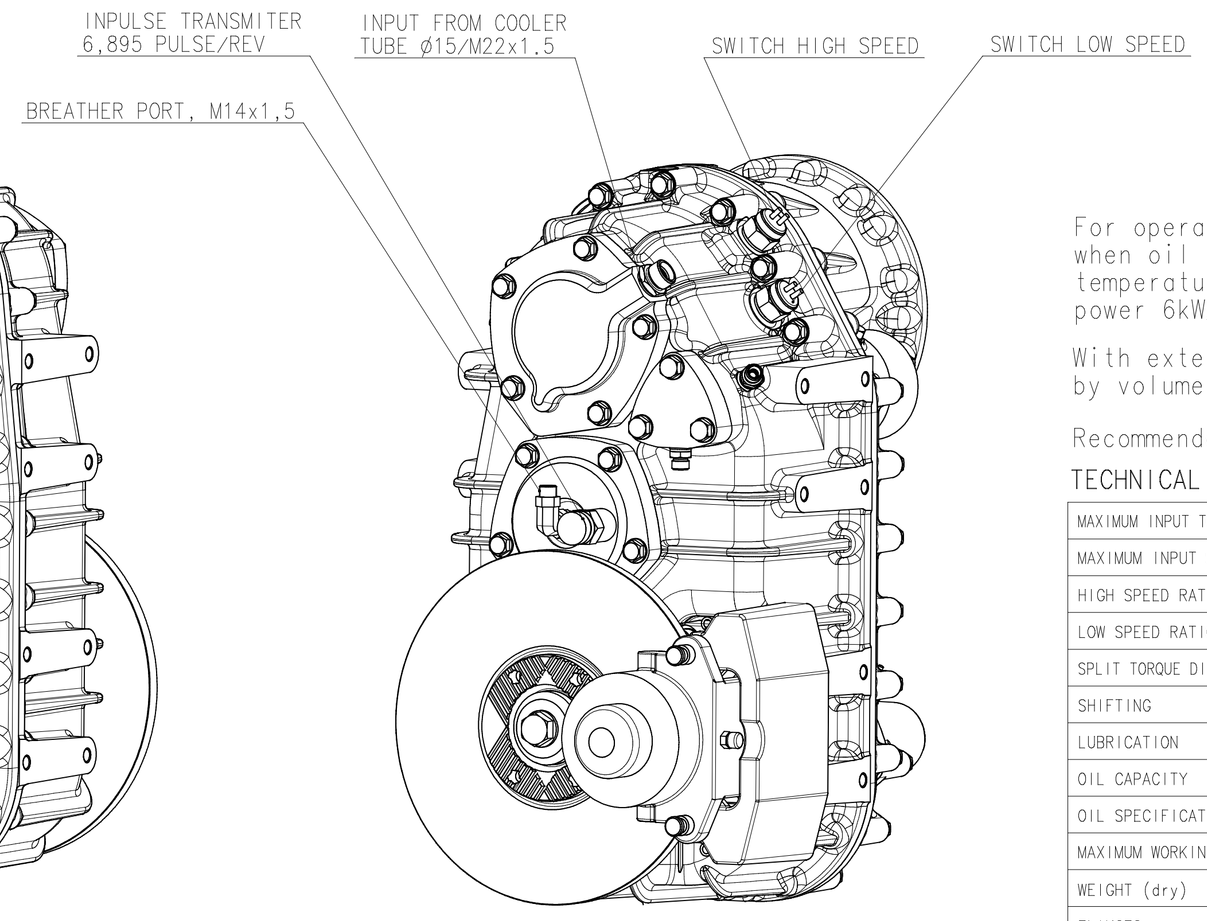




	P1	P2	P3	P4
HIGH SPEED	X	–	–	–
LOW SPEED	–	X	–	–
NEUTRAL	X	–	X	–
DIFF.LOCK	–	–	–	O

X – IMPULS PRESSURE
O – PERMANENT PRESSURE





For operation condition (desert condition) when oil temperature exceeds max. working temperature 130°C use oil cooler with power 6kW/3450 rpm

With external oil cooler – oil volume must be increased by volume of cooler and connecting pipes, hoses.

Recommended oil filter: MANN-HUMMEL W930

TECHNICAL DATA

MAXIMUM INPUT TORQUE	8000 Nm		
MAXIMUM INPUT SPEED	4000 RPM (option: 4200RPM on request)		
HIGH SPEED RATIO	1,1		
LOW SPEED RATIO	1,94		
SPLIT TORQUE DIFFERENTIAL RATIO	1:2		
SHIFTING	AIR OPERATED, ELECTRICAL SIGNAL IN HIGH AND LOW SPEED POSITION AIR PRESSURE 6,5 – 8,0 BAR		
LUBRICATION	INTERNAL OIL PUMP, POSSIBILITY OF EXTERNAL COOLING CIRCUIT		
OIL CAPACITY	MAX. 3,8L		
OIL SPECIFICATION	SAE 75W-90, MULTI PURPOSE GEAR OIL, API-GL-5 OR MIL-L-2105C OR CD		
MAXIMUM WORKING TEMPERATURE	130°C		
WEIGHT (dry)	124Kg without Parking Brake		
FLANGES	FRONT AXLE	REAR AXLE	
	KV 120	KV 120	

ITEM NO	NOMENCLATURE OR DESCRIPTION	BLANK NO.	MATERIAL SPECIFICATION TREATMENT	PART OR IDENTIFYING NO	QTY REQD TCA 0101	QTY REQD TCA 0100
13	SCREW M12x80 DIN 931 8.8				4	
12	WASHER M12 DIN 127B				20	
11	SCREW M12x35 DIN 933 8.8				16	
10	SAVE NUT M12 DIN 985 8.8				4	
9	SCREW M12x90 DIN 931 8.8				4	
8	DRZAK (FIXATION FRAME)	AXA 01 120			1	
7	SILENTBLOK				4	
6	ADDITIONAL PARKING BRAKE KNOTT				1	
5	HOLDER OF ADD. PARKING BRAKE	TCA 0170			1	
4	NUT M10 DIN 980V St				8	8
3	SCREW M10x35 DIN 931				4	4
2	SCREW M10x45 DIN 931				4	4
1	TRANSFER CASE WITH FSG90			TCA 01 00 01	1	1

PARTS LIST

GENERAL TOLERANCES
ISO 2768-m

FIRST ANGLE PROJECTION

INDICE	MODIFICATIONS	DATE	DRWN

Advanced Design Solution

TYPE TCA850

APPROVALS	DATE
DRAWN Franc	090714
CHECKED	

TITLE: TRANSFER CASE INSTALATION DRAWING

PART/DWG NO. TCA 01 00

SIZE	SCALE	SHEET	OF
A0	1:2	1	1