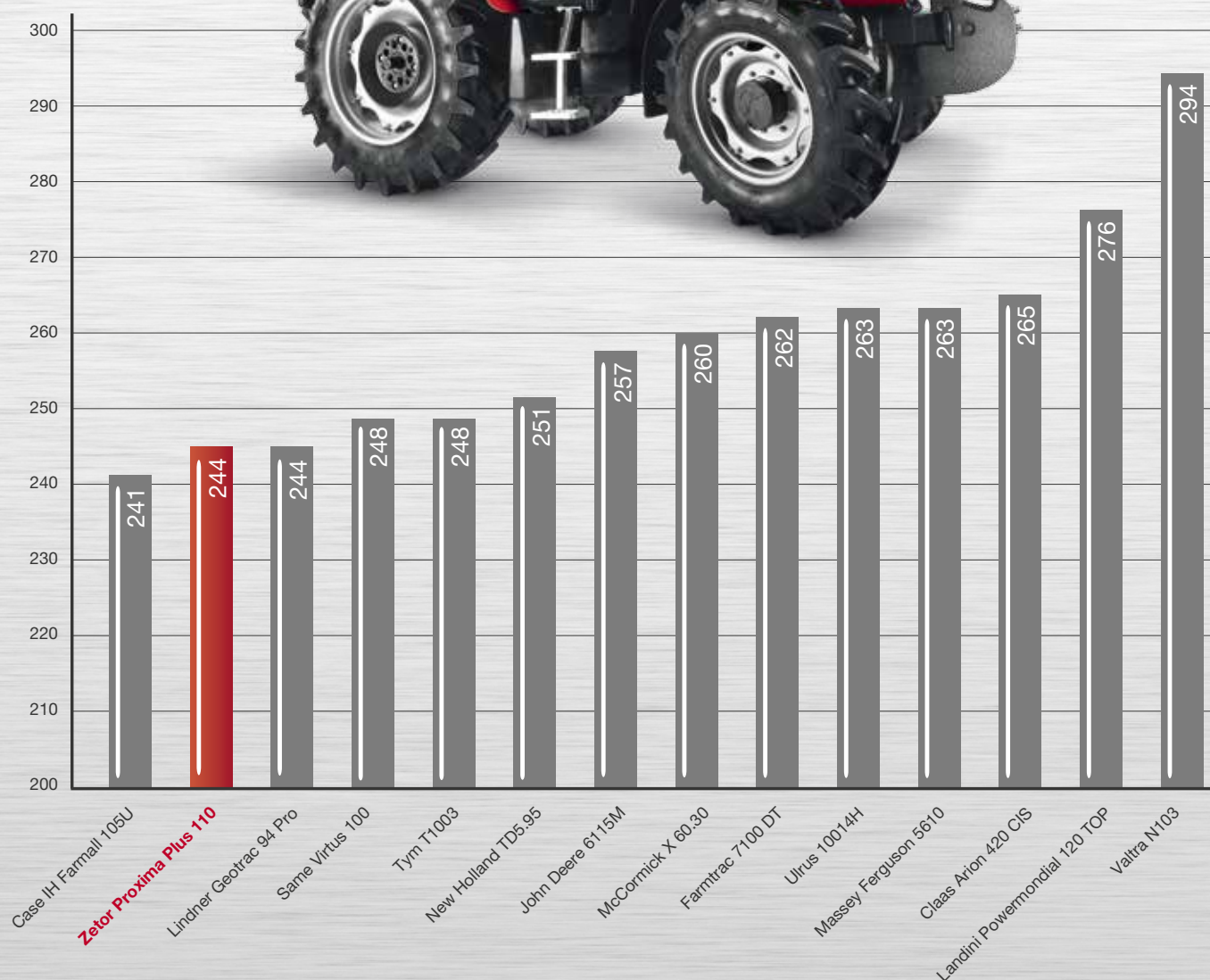


ZETOR IS ON THE TOP IN FUEL CONSUMPTION



Min. specific fuel consumption
[g/kWh]



Tab. 1 The results of measurement on the brake during the test and technical specifications

PRODUCER		CASE IH	CLAAS	FARMTRAC	JOHN DEERE	LANDINI	LINDNER	MASSEY FERGUSON
		FARMALL 105U	ARION 420 CIS	7100 DT	6115M	POWER-MONDIAL 120 TOP	GEOTRAC 94 PRO	5610
MODEL	unit							
No. of Cylinders/ displacement	pcs/cm ³	4/3400	4/4525	4/4400	4/4500	4/4400	4/4400	3/3300
Fuel injection	–	common rail	common rail	mechanical	common rail	common rail	common rail	common rail
VALUES MEASURED ON THE PTO								
Rated Power	kW/HP	69,0/93,8	67,8/92,2 (71,8/97,6) ¹⁾	58,3/79,3	67,7/92,1	62,4/84,9	62,4/84,9	63,2/85,9
Rated Power at speed	min ⁻¹	2300	2200	2300	2100	2200	2200	2200
Max power	kW/HP	71,3/97,0	73,7/100,2 (79,9/108,7) ¹⁾	61,0/83,0	76,8/104,4	66,6/90,6	66,6/90,6	69,9/95,1
Max Power at speed	min ⁻¹	1800	1750 (1650) ¹⁾	1900	1750	1900	1900	2000
Range of constant power	min ⁻¹	1700–2300	1550–2200 (1450–2200) ¹⁾	1750–2200	1350–2100	1600–2200	1600–2200	1650–2200
Max Torque	Nm(min ⁻¹)	411/1500	435/1250 (477/ 1300–1350) ¹⁾	360/1200	484/1350	384/1400	384/1400	398/1050
Starting Torque	Nm	358	431 (457) ¹⁾	338	434	338	338	388
Torque	%	43	48 (58) ¹⁾	48	55	42	42	45
Specific fuel consumption at rated/max power	g/kWh	276/249	312/277 (323/260) ¹⁾	327/274	286/261	297/278	297/278	290/293
Minimum fuel consumption	g/kWh	241	265 (254) ¹⁾	262	257	244	244	263
Min. fuel consumption at speed	min ⁻¹	1100–1600	1350–1550 (1350–1600) ¹⁾	1050–1400	1100–1650	1000	1000	1050–1600
GEAR BOX, HYDRAULICS, LIFTING EQUIPMENT								
No. of Gears	pcs	24/24	32/32	16/16	24/24	48/16	16/8	16/16
No. of gears under load	pcs	1	4	1	4	3	1	4
No. of gears in interval 4–12 km/h	pcs	11	6	7	9	16	6	5
Power Shuttle	–	electrohyd.	electrohyd.	mech.	electrohyd.	electrohyd.	electrohyd.	electrohyd.
No. Of gears PTO	–	2	4	4	3	3	4	3
Hydraulic pump capacity	l/min	61	60 (98 cumulation)	57	80	60	50	57
No. of SCVs	pcs	6	8	8	6	10	6	6
Max. lifting capability	kg	4770	6500	4900	6300	5650	4900	4300
WEIGHT AND DIMENSIONS								
Weight/DMC	kg	4150/7400	4900/8800	4600/6500	5210/8700	4200/7800	3950/7200	5210/ch.ú.
No. of gears PTO	mm	4161/2350	4442/2564	4455/2553	4490/2580	4400/2400	3585/2280	4253/2460
Front Wheels	–	480/65 R24	480/65 R28	420/85 R24	420/70 R28	480/65 R24	340/85 R24	380/70 R28
Rear Wheels	–	540/65 R38	520/65 R38	480/70 R38	520/70 R38	600/65 R34	420/85 R34	480/70 R38

Tab. 1 continuation – The results of measurement on the brake during the test and technical specifications

PRODUCER		MCCORMICK	NEW HOLLAND	SAME	TYM	URSUS	VALTRA	ZETOR
		X60,30	TD 5,95XX	VIRTUS 100	T 1003	10014 H	N 103	PROXIMA PLUS 100
MODEL	unit							
No. of Cylinders/ displacement	pcs/cm ³	4/4400	4/4500	4/3620	4/4400	4/4400	3/3300	4/4156
Fuel injection	–	mechanical	mechanical	common rail	mechanical	mechanical	common rail	mechanical
GEAR BOX, HYDRAULICS, LIFTING EQUIPMENT								
Rated Power	kW/HP	63,7/86,6	56,7/77,1	64,1/87,2	62,8/85,4	55,7/75,8	52,2/71,0	58,8/80,0
Rated Power at speed	min ⁻¹	2200	2500	2200	2200	2200	2200	2200
Max power	kW/HP	–	–	69,0/93,8	63,7/86,6	58,0/78,9	65,7/89,4	59,0/80,2
Max Power at speed	min ⁻¹	–	–	2000	1600	1850	1600	2150
Range of constant power	min ⁻¹	–	–	1600–2200	1600–2200	1550–2200	1400–2200	2100–2200
Max Torque	Nm(min ⁻¹)	368/ 1300–1400	369/1050	390/ 1550–1600	380/ 1250–1600	366/1350	394/ 1550–1600	348/ 1400–1500
Starting Torque	Nm	299	365	351	351	306	331	283
Torque	%	33	70	40	39	51	77	36
Specific fuel consumption at rated/max power	g/kWh	288/-	312/-	306/285	289/248	334/285	367/294	284/279
Minimum fuel consumption	g/kWh	260	251	248	248	263	294	244
Min. fuel consumption at speed	min ⁻¹	1250–1650	1150–1300	1200	1600–1700	1400	1250–1600	1300–1550
GEAR BOX, HYDRAULICS, LIFTING EQUIPMENT								
No. of Gears	pcs	36/12	12/12	20/20	32/32	12/12	30/30	16/16
No. of gears under load	pcs	3	0	0	1	0	5	1
No. of gears in interval 4–12 km/h	pcs	15	6	4	14	3	11	7
Power Shuttle	–	electrohyd.	electrohyd.	electrohyd.	electrohyd.	mech.	electrohyd.	mech.
No. Of gears PTO		3	2	4	3	2	2	2
Hydraulic pump capacity	l/min	60	50	60	60	55	73	50
No. of SCVs	pcs	6	4	6	6	4	8	4
Max. lifting capability	kg	5000	3565	4650	4300	4200	5800	4200
WEIGHT AND DIMENSIONS								
Weight/DMC	kg	4800/7800	3650/ch.ú.	3900/7500	3980/ch.ú.	4300/7000	4700/8000	4054/7500
No. of gears PTO	mm	4400/2137	4290/2422	4270/2430	4110/2300	4220/2300	4329/2533	4067/2328
Front Wheels	–	420/70 R24	360/70 R24	440/65 R28	380/70 R24	380/70 R24	420/70 R24	340/85 R24
Rear Wheels	–	480/70 R38	480/70 R34	540/65 R38	480/70 R34	480/70 R34	520/70 R34	460/85 R34