

EXPLORER 90



SAME. THE MOST PRIZED TRACTOR IN EUROPE.



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Specifications

TECHNICAL DATA	EXPLORER II TOP 70 4WD	EXPLORER II TOP 80 4WD	EXPLORER II TOP 90 4WD
ENGINE			
SAME	1000.4 A	1000.4 A	1000.4 AT
Cylinders/Displacement (n°/cm ³)	4/4000	4/4000	4 Turbo/4000
Max rated power - DIN (kW HP/rpm)	51,5/70/2350	59/80/2500	65/88/2500
Cooling	mixed: air and oil	mixed: air and oil	mixed: air and oil
Inline fuel injection pumps	•	•	•
Exhaust silencer under hood, vertical tail-pipe	•	•	•
Fuel tank capacity (l)	90	90	110
TRANSMISSION			
Synchromesh gearbox and shuttle	•	•	•
24fwd + 12rev with underdrive	◦	◦	◦
40fwd + 40rev with SYNCRO POWER and creeper	•	•	•
40 km/h top speed	•	•	•
Forced lubrication	•	•	•
P.t.o. clutch with hydraulic servo	•	•	•
Rear P.t.o. 540/1000/540E/1000E rpm	•	•	•
Independent live P.t.o.	•	•	•
Structurally INTEGRATED push-button operated front P.t.o. (1000rpm)	◦	◦	◦
Electrohydraulically operated differential locks, 4WD coupler and P.t.o. clutch	•	•	•
BRAKES AND STEERING			
Hydrostatically actuated oil-immersed discs on rear wheels	•	•	•
Hydrostatically actuated oil-immersed discs on front wheels	•	•	•
Hydrostatic power steering with adjustable column	•	•	•
FRONT AXLE			
Front and rear differential locks	•	•	•
50° steering angle	•	•	•
HYDRAULIC LIFT			
Max lifting capacity (kg)	3450	3450	3450
Rated flow of pump (l/min)	58	58	58
Auxillary spool valves std (opt)	2 (4)	2 (4)	2 (4)
Structurally INTEGRATED front lift rated capacity 1500 kg	◦	◦	◦
DRIVING POSITION			
Check Panel	•	•	•
Suspended pedals, shift levers located to one side	•	•	•
Roll bar	•	•	•
Flat ISO mounted driver's platform	•	•	•
High visibility hood	•	•	•
Reverse drive configuration	-	-	◦

• = Standard ◦ = Optional



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TECHNICAL DATA	EXPLORER II TOP 70 4WD	EXPLORER II TOP 80 4WD	EXPLORER II TOP 90 4WD					
TYRES								
12.4 R 24 front	•	-	-					
360/70 R 24 front	◦	-	-					
14.9 R 24 front	-	◦	◦					
420/70 R 24 front	◦	•	•					
16.9 R 24 front	-	-	◦					
12.4 R 28 front	-	◦	◦					
16.9 R 30 rear	•	-	-					
480/70 R 30 rear	◦	-	-					
16.9 R 34 rear	-	◦	◦					
480/70 R 34 rear	◦	•	•					
18.4 R 34 rear	-	-	◦					
13.6 R 38 rear	-	◦	◦					
DIMENSIONS AND WEIGHTS								
with rear tyre size:	16.9 R 30	16.9 R 30	16.9 R 34					
Maximum length without links / with links (mm)	3700 / 3980	3700 / 3980	3780 / 4040					
Minimum / maximum width (mm)	1950 / 2450	1950 / 2450	1950 / 2550					
Overall height at hood / Roll bar / cab (mm)	1565 / 2450 / 2500	1565 / 2450 / 2500	1625 / 2550 / 2600					
Ground clearance (mm)	390	390	450					
Wheelbase (mm)	2280	2280	2320					
Front track min. / max. (mm)	1440 / 2130	1440 / 2130	1430 / 2140					
Rear track min. / max. (mm)	1500 / 2000	1500 / 2000	1500 / 2000					
Minimum turning radius with brakes / without brakes (mm)	2880 / 4250	2880 / 4250	2950 / 4950					
Weight including Roll bar (kg)	2870	2870	3180					
SPEED RANGES								
Ground speeds in km/h at maximum power output								
Transmission with SYNCRO POWER with 16.9 R 34 rear tyres			Transmission with underdrive with 16.9 R 34 rear tyres					
40 FWD + 40 REV	FWD	REV	FWD	REV	24FWD + 12 REV	AV	RM	
1 SR LOW	0,34	0,36	1 N	3,57	3,72	1 L MR	1,41	
1 SR	0,40	0,42	5 L	3,87	4,03	1 L	1,67	1,74
2 SR LOW	0,51	0,53	2 N LOW	4,54	4,72	2 L MR	1,88	
2 SR	0,59	0,62	2 N	5,29	5,51	2 L	2,22	2,31
3 SR LOW	0,67	0,70	3 N LOW	6,03	6,28	3 L MR	2,3	
3 SR	0,79	0,82	3 N	7,04	7,33	3 L	2,72	2,83
4 SR LOW	0,89	0,93	4 N LOW	7,96	8,29	4 L MR	3,29	
1 L LOW	0,96	1,00	1 V LOW	9,27	9,65	4 L	3,89	4,05
4 SR	1,04	1,08	4 N	9,29	9,67	1 N MR	4,80	
1 L	1,12	1,17	5 N LOW	10,56	11,00	1 N	5,32	5,54
5 SR LOW	1,18	1,23	1 V	10,81	11,26	2 N MR	6,00	
5 SR	1,38	1,43	5 N	12,32	12,83	2 N	7,08	7,38
2 L LOW	1,42	1,48	2 V LOW	13,73	14,30	3 N MR	7,34	
2 L	1,66	1,73	2 V	16,02	16,68	3 N	8,67	9,03
3 L LOW	1,89	1,97	3 V LOW	18,27	19,02	4 N MR	10,5	
3 L	2,21	2,30	3 V	22,31	22,19	4 N	12,40	12,92
4 L LOW	2,50	2,60	4 V LOW	24,09	25,09	1 V MR	13,64	
4 L	2,92	3,04	4 V	28,11	29,28	1 V	16,12	16,79
1 N LOW	3,06	3,19	5 V LOW	31,98	33,31	2 V MR	18,15	
5 L LOW	3,32	3,45	5 V	37,31	38,86	2 V	21,45	22,34
					40,00*	3 V MR	22,22	
						3 V	26,26	27,35
						4 V MR	31,79	
						4 V	37,96	39,11
							40,00*	

SR = Creeper L = Low V = High MR = Mini reduction (underdrive)

* Ground speed at maximum engine output