

ALPINE: POWERFUL, LIGHTWEIGHT AND VERSATILE TO SUIT YOUR NEEDS.

The *Alpine* series completes the new Landini tractor range with a powerful, lightweight and versatile tractor designed to meet the demand for high productivity in the low-power range (69,5 to 81 HP ISO). The *Alpine* series comes in two versions - *Standard* and *GT* - and in a choice of 4 four-wheel drive models - 70, 80 and 85. The *Alpine STD* version features drop-down final drives and a specially-built 4WD front axle with integral braking system allowing the use of large-diameter rear tyres of up to 36".

These features make the *Alpine STD* tractor ideally suited for soil preparation activities - such as plowing, tillage and harrowing, as well as for forage harvesting where the tractor manoeuvrability comes in handy. Thanks to its versatile transmission designed to provide a maximum speed of 25 mph (40 kph), the *Alpine STD* is equally at home on road. The *Alpine GT* version features a 4WD front axle with integral braking system and straight epicyclic final drives, which make this tractor narrower and lower by about 2,36 in. (60 mm) than the *Standard* model, thus improving the centre of gravity for increased stability. This design, combined with the adoption of 28-inch rear tyres, makes the *Alpine GT* tractor ideally suited for hill and mountain work, as well as for haymaking and for use in large orchards.

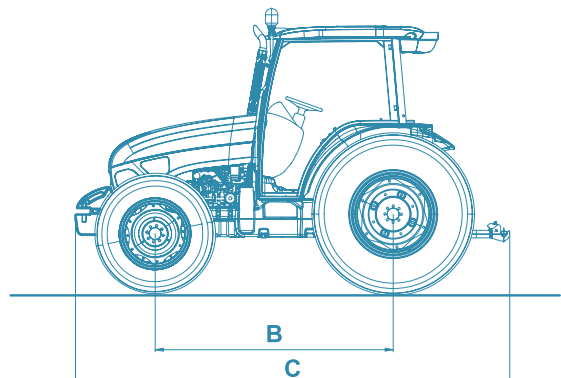
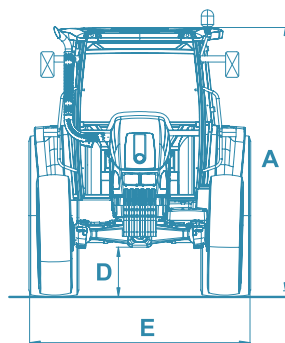
All models are powered with the new Tier 3-compliant Yanmar 4TNV98 naturally aspirated and turbocharged engines. With a displacement of 3319 cm³, these engines provide excellent performance in terms of power, torque and torque backup. The modular transmission is available in two versions - mechanical (*Speed Five*) and electrohydraulic (*Power Five*) - and equipped with *Declutch Control* and *Reverse Power Shuttle*. To improve headland manoeuvring, especially when working between rows, Landini has adopted a unique system named *Fast-Run*, which reduces the steering angle while bringing down the steering time by 30% for greater manoeuvrability and enhanced productivity. The *Twin-Lock* system, allowing simultaneous lock of rear and front differentials, is hydraulically engaged by button. The hydraulic system features four auxiliary valves for maximum versatility, while the use of a hydraulic PTO enhances the implement performance. The power lift is available in either electronic or mechanical version and provides a maximum lifting capacity of 7480 lb. (3400 kg).

The tractor excellent performance and functionality are enhanced by the comfort of the "*Total View*" cab featuring all-glass side doors hinged onto the rear post for all-round visibility. The air-conditioning installed on the cab roof, the new digital instrument panel and the intuitive controls arranged in ergonomic position maximize the driving comfort. The plunging line of the hood makes for improved cab visibility.



		ALPINE 70		ALPINE 80		ALPINE 85	
		STD	GT	STD	GT	STD	GT
		SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE	SYNCHRO SHUTTLE	POWER SHUTTLE
ENGINE							
DIRECT-INJECTION YANMAR ENGINE TIER 3		4TNV98	4TNV98	4TNV98T	4TNV98T	4TNV98T	4TNV98T
MAX POWER ISO	HP/KW	69,5 / 51,1	69,5 / 51,1	76,2 / 56	76,2 / 56	81,2 / 59,7	81,2 / 59,7
MAX TORQUE	LB (NM)	180 (244)	180 (244)	211 (285)	211 (285)	221 (298)	221 (298)
DISPLACEMENT	CU. IN. (CM³)	202 (3319)	202 (3319)	202 (3319)	202 (3319)	202 (3319)	202 (3319)
NO. OF CYLINDERS / TURBOCHARGED		4 / NO	4 / NO	4 / YES	4 / YES	4 / YES	4 / YES
FUEL TANK CAPACITY	GAL. (LT)	24 / 90	24 / 90	24 / 90	24 / 90	24 / 90	24 / 90
CLUTCH							
SINGLE-PLATE DRY CLUTCH	IN. (MM)	12/(304,8)	12/(304,8)	12/(304,8)	12/(304,8)	12/(304,8)	12/(304,8)
MECHANICALLY OPERATED		•	•	•	•	•	•
MULTI-DISC WET CLUTCH		•	•	•	•	•	•
DE-CLUTCH CONTROL: CLUTCH CONTROL WITH BUTTON		•	•	•	•	•	•
TRANSMISSION							
SPEED FIVE + MECH. REVERSE SHUTTLE 15FWD+15REV		•	•	•	•	•	•
SPEED FIVE + CREEPER + MECH. REVERSE SHUTTLE 30AV+30RM (40KM/H)		○	○	○	○	○	○
SPEED FIVE + POWER FIVE + CREEPER + HYDR. REV. SHUT. 60FWD+60REV		○	○	○	○	○	○
REVERSE POWER SHUTTLE: REVERSE PWER SHUTTLE UNDER LOAD		•	•	•	•	•	•
POWER TAKE-OFF HYDRA-P.T.O.							
OIL IMMERSSED MULTI-DISK PTO		•	•	•	•	•	•
SPEEDS (540/750 RPM)		•	•	•	•	•	•
NET P.T.O. POWER ISO	HP/KW	55 / 40,5	55 / 40,5	60 / 44	60 / 44	65 / 48	65 / 48
4WD FRONT AXLE							
4WD ELECTROHYDRAULIC ENGAGEMENT		•	•	•	•	•	•
FAST-RUN MULTI-DISC OIL BATH CLUTCH W/ELECTRO-HYDR. CONTR.		○	•	○	•	○	•
MAXIMUM STEERING ANGLE	DEGREES	55	60	55	60	55	60
TWI-LOCK ELECTRO-HYDRAULIC DIFF. LOCK		•	•	•	•	•	•
FRENI (IBS - INTEGRAL BRAKING SYSTEM)							
OIL-IMMERSED GRAPHITE-COATED REAR BRAKES N° 8 DISCS		•	•	•	•	•	•
OIL-IMMERSED GRAPHITE-COATED FRONT BRAKES N° 4 DISCS		•	•	•	•	•	•
HYDRAULIC POWER LIFT							
MECHANICALLY-OPERATED		•	•	•	•	•	•
ELECTRONICALLY-OPERATED		○	○	○	○	○	○
LIFT CAPACITY WITH OPT. ASSIST CYLINDERS	LB (KG)	7480 (3400) STD	7480 (3400) STD	7480 (3400) STD	7480 (3400) STD	7480 (3400) STD	7480 (3400) STD
HYDRAULIC FLOW @ REMOTES	GPM (LT/MIN)	14,2 (54)	14,2 (54)	14,2 (54)	14,2 (54)	14,2 (54)	14,2 (54)
TOTAL HYDRAULIC FLOW	GPM (LT/MIN)	21,3 (81)	21,3 (81)	21,3 (81)	21,3 (81)	21,3 (81)	21,3 (81)
NO. OF REMOTE STES STD		2	2	2	2	2	2
CAB AND DRIVING SEAT							
AIR CONDITIONING		○	○	○	○	○	○
DIGITAL DASHBOARD		•	•	•	•	•	•
DIMENSIONS AND WEIGHTS							
REAR TYRES		420/70R30	420/70R28	420/70R30	420/70R28	420/70R30	420/70 R28
A - HEIGHT AT TOP OF CABS	IN. (MM)	95 (2413)	91,5 (2329)	95 (2413)	91,5 (2329)	95 (2413)	91,5 (2329)
B - WHEELBASE (4WD)	IN. (MM)	85,1 (2162)	83,8 (2131)	85,1 (2162)	83,8 (2131)	85,1 (2162)	83,8 (2131)
C - TOTAL LENGHT W/O FRONT WEIGHTS	IN. (MM)	158 (4020)	157 (3990)	158 (4020)	157 (3990)	158 (4020)	157 (3990)
D - GROUND CLEARENCE	IN. (MM)	15,6 (397)	15,5 (395)	15,6 (397)	15,5 (395)	15,6 (397)	15,5 (395)
E - MINIMUM WIDTH	IN. (MM)	71,5 (1820)	69 (1751)	71,5 (1820)	69 (1751)	71,5 (1820)	69 (1751)
WEIGHT 4WD (WITHOUT BALLAST)	LB (KG)	6710 (3050)	6160 (2800)	6710 (3050)	6160 (2800)	6710 (3050)	6160 (2800)

Key: • standard ○ option – not available



Alpine

70 - 80 - 85 STD / GT
SYNCHRO SHUTTLE / POWER SHUTTLE



Landini®



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NEW YANMAR SERIES ENGINES FOR SUPERIOR PERFORMANCE.

ALL MODELS ARE EQUIPPED WITH THE NEW "TIER 3" YANMAR 4TNV98 SERIES ASPIRATED AND TURBOCHARGED ENGINES. WITH A TOTAL DISPLACEMENT OF 202 CU. IN. (3319 CM³) AND POWERS OF 69.5, 76 AND 81 HP (ISO), THE NEW ENGINES DELIVER SUPERIOR PERFORMANCE IN TERMS OF HORSEPOWER, TORQUE AND TORQUE BACKUP.

THE FORWARD TILTING HOOD PROVIDES EASY ACCESS TO THE ENGINE FOR ROUTINE SERVICE AND MAINTENANCE. > FIG. A

WITH THE "FAST-RUN" SYSTEM AND A 60° STEERING ANGLE MANOEUVRING IS GREAT FUN.

THE INNOVATIVE FOUR-WHEEL DRIVE FRONT AXLES ALLOW A STEERING ANGLE OF 60° FOR MAXIMUM MANOEUVRABILITY. TO IMPROVE HEADLAND MANOEUVRING, ESPECIALLY WHEN WORKING BETWEEN ROWS, LANDINI HAS ADOPTED A UNIQUE SYSTEM NAMED *FAST-RUN* (STANDARD ON GT MODEL), FEATURING A WET MULTI-DISC DUAL CLUTCH.

ONE CLUTCH IS USED TO ENGAGE THE FOUR-WHEEL DRIVE, WHILST THE OTHER ALLOWS THE TURNING SPEED OF THE FRONT WHEELS TO BE INCREASED BY 78% WHEN THE STEERING ANGLE EXCEEDS 35°. THIS DECREASES THE STEERING TIME BY 30% WHILE REDUCING THE TURNING RADIUS FOR BETTER MANOEUVRABILITY AND ENHANCED PRODUCTIVITY. > FIG. B

FRONT POWER LIFT AND PTO (OPTIONAL) FOR ENHANCED VERSATILITY.

THE CAT. 2 FRONT POWER LIFT ENSURES A MAXIMUM LIFTING CAPACITY OF 3520 LB. (1600 KG) AND PROVIDES RISING/LOWERING AND FLOATING POSITION CONTROL FUNCTIONS. THE PTO WITH BUTTON-OPERATED ELECTROHYDRAULIC ENGAGEMENT OFFERS A SPEED OF 1000 RPM.

THE FRONT LIFT AND PTO HAVE BEEN SPECIFICALLY DESIGNED TO BE INTEGRATED IN THIS TRACTOR RANGE FOR ENHANCED VERSATILITY. > FIG. B

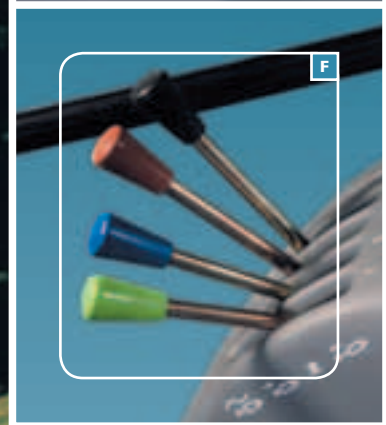
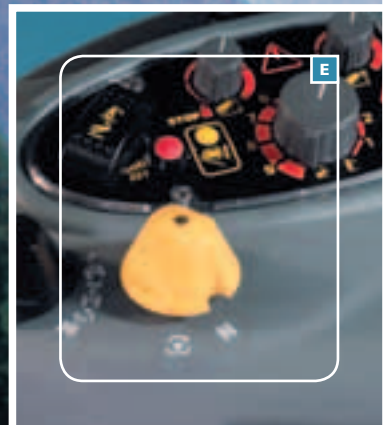
POWER FIVE TRANSMISSION: ELECTRONICS MAKES THE DIFFERENCE.

THE *POWER SHUTTLE* TRANSMISSION INCLUDES *SPEED FIVE* BASE TRANSMISSION, *CREEPER*, *POWER FIVE* TRANSMISSION (*HI-LO* SPLITTER GEAR WITH ELECTROHYDRAULIC ENGAGEMENT FOR 20% SPEED REDUCTION) AND *REVERSE POWER SHUTTLE* (HYDRAULIC REVERSE SHUTTLE WITH LEVER INTEGRATED IN THE STEERING COLUMN) PROVIDING A TOTAL OF 60FWD + 60REV SPEEDS. COMBINING THE *DECLUTCH CONTROL* [> FIG. D] (ORANGE PUSHBUTTON INTEGRATED IN THE GEAR LEVER FOR ELECTROHYDRAULIC ENGAGEMENT OF THE TRANSMISSION CLUTCH) WITH THE *REVERSE POWER SHUTTLE* [> FIG. C], THIS TYPE OF TRANSMISSION ALLOWS ENGAGING AND REVERSING ALL GEARS WITHOUT USING THE CLUTCH PEDAL.





LANDINI ALPINE, A GREAT TRACTOR F



OR SMALL AND MEDIUM SIZE AREAS.

HYDRA P.T.O.: PTO WITH MULTI-DISC CLUTCH AND ELECTROHYDRAULIC ENGAGEMENT.

THE PTO PROVIDES TWO SPEEDS - 540/750 RPM (STANDARD) AND 540/1000 RPM (OPTIONAL) PLUS A GROUND SPEED FOR THE USE OF TRAILERS. > FIG. G

A MULTI-DISC WET CLUTCH OPERATED BY AN ELECTROHYDRAULIC PUSHBUTTON INTEGRATED ON THE CONSOLE PLACED ON THE DRIVER'S RIGHT ENABLES SMOOTH AND PROGRESSIVE ENGAGEMENT OF THE PTO. > FIG. E

HYDRAULICS DESIGNED FOR MAXIMUM VERSATILITY.

THE ALPINE TRACTOR FEATURES AN EXTREMELY VERSATILE HYDRAULIC SYSTEM CONSISTING OF TWO SEPARATE CIRCUITS. ONE CIRCUIT DEPENDS ON A PUMP WITH A DELIVERY OF 7,2 GPM (27.5 L/MIN) TO OPERATE THE STEERING SYSTEM AND ALL ELECTROHYDRAULIC FUNCTIONS FOR CONTROL OF TRANSMISSION. THE OTHER CIRCUIT PROVIDES OIL FOR THE LIFT SYSTEM AND THE REAR AUXILIARY VALVES AND IS POWERED BY A PUMP DELIVERING 15 GPM (57 L/MIN). A CHOICE OF FOUR AUXILIARY VALVES IS AVAILABLE ON REQUEST TO SUIT DIFFERENT APPLICATION NEEDS [> FIG. F]: SIMPLE-ACTING VALVES FOR DUMP TRAILERS, DOUBLEACTING VALVES FOR REVERSIBLE PLOWS AND VALVES WITH A FLOATING POSITION ALLOWING WORK IMPLEMENTS TO FOLLOW THE GROUND PROFILE.



NEW LANDTRONIC POWER LIFT FOR IMPROVED WORKRATES AND ACCURACY OF OPERATION.

THE TRACTOR CAN BE OPTIONALLY EQUIPPED WITH THE ELECTRONICALLY CONTROLLED *LANDTRONIC* POWER LIFT. THE MAIN CONTROLS OF THE *LANDTRONIC*, ARRANGED IN ERGONOMIC AND LOGICAL POSITION ON THE CONSOLE LOCATED ON THE DRIVER'S RIGHT, PROVIDE ALL MAIN FUNCTIONS: DRAFT AND POSITION CONTROL, *INTERMIX*, FLOAT POSITION, LINK LOWERING SPEED CONTROL, SENSITIVITY CONTROL. > FIG. H

THE ELECTRONIC SYSTEM OF THE *LANDTRONIC* WITH SENSORS LOCATED ON THE THREE-POINT LINKAGE, OFFERS FINGERTIP CONTROL OF IMPLEMENTS AND INCREASED WORKRATES, ENSURING IMPROVED DRAFT AND SMOOTHER TRACTOR OPERATION FOR ENHANCED EFFICIENCY AND PRODUCTIVITY.

THE CAT. II THREE-POINT LINKAGE WITH TWO AUXILIARY CYLINDERS IS EXTREMELY RUGGED AND EQUIPPED WITH QUICK-COUPPLINGS TO PROVIDE A MAXIMUM LIFTING CAPACITY OF 7480 LB. (3400 KG). > FIG. G



"TOTAL VIEW" CAB FOR ALL-ROUND VISIBILITY.

THE MOST OUTSTANDING FEATURE OF THE ALPINE TRACTOR IS THE ALL-ROUND VISIBILITY OF THE "TOTAL VIEW" CAB PROVIDED BY THE ALL-GLASS SIDE DOORS HINGED ONTO THE REAR POST. THE INTERIORS, STYLISH AND ACCURATELY FINISHED, ARE LARGELY MADE USING THE MODERN COMPOSITE MATERIALS OF AUTOMOTIVE DESIGN.

ALL CONTROLS ARE ARRANGED IN A COMFORTABLE AND INTUITIVE POSITION, ACCORDING TO CURRENT ERGONOMIC STANDARDS. THE ADJUSTABLE SEAT, THE NEW DIGITAL INSTRUMENT PANEL AND THE STEERING WHEEL ADJUSTABLE IN HEIGHT AND INCLINATION FURTHER IMPROVE THE DRIVING COMFORT.

THE HEATING/VENTILATION AND AIR-CONDITIONING SYSTEM IS INSTALLED ON THE CAB ROOF WITH CONSIDERABLE BENEFITS FOR THE DRIVER IN TERMS OF COMFORT, SAFETY AND HEALTH. THE VENTILATION SYSTEM IS INTEGRATED BY TWO FILTERS DESIGNED TO PURIFY THE AIR INSIDE THE CAB. IF THE OPERATOR IS REQUIRED TO WORK IN A PESTICIDE-CONTAMINATED ENVIRONMENT, THE CAB CAN BE PROVIDED WITH ACTIVATED-CARBON FILTERS, AVAILABLE ON REQUEST.

THE ROOF FEATURES A FIXED CLEAR SUNROOF, PARTICULARLY USEFUL WHEN WORKING WITH FRONT LOADERS, AND FOUR LIGHTS FOR NIGHT WORK. NATURAL VENTILATION IS ENSURED BY THE OPENABLE FRONT AND REAR WINDSCREENS. > FIG. I



Landini