

# NEW POWERMONDIAL, STATE OF THE ART IN TRACTOR TECHNOLOGY

Designed for modern farmers and agricultural contractors who desire to perform a variety of light- and heavy-duty tasks with one machine, the new POWERMONDIAL series represents the state of the art in mid- to high-range farm tractors.

With a power-to-weight ratio of 45 Kg/hp, the POWERMONDIAL is designed to minimise soil compaction. All models are equipped with the new Perkins 1104D series turbo-aftercooled engines up to 110 HP which deliver exceptional power and torque while meeting the Tier 3 emission standards. The range offers two versions – *Techno* and *Top* - featuring two different transmission models. The *Techno* version offers a 15-speed mechanical transmission (*Speed Five*) which can be combined with a creeper and mechanical reverse shuttle to achieve 20 forward and 20 reverse speeds.

The *Top* version features a 12-speed transmission (*Speed Four*) combined with a hydraulic *Three-Shift* option (*T Tronic*), which triples the gears of the basic transmission under load to 36 forward + 12reverse.

A creep transmission and a hydraulic power shuttle extend flexibility to 48 forward and 16 reverse speeds.

The electrohydraulically-engaged PTO comes with a choice of two speeds - 540/750 or 540/1000 rpm. An optional 3-speed PTO (540/750/1000 rpm) is also available for maximum versatility.

The front axle with 55-degree steering angle and electrohydraulic 4WD engagement is equipped with integrated wet disc brakes for positive braking on all four wheels.

The *Top* version features as standard an electronic Cat. 2 power lift with a maximum lift capacity of 5650 kg and up to five rear hydraulic remote valves.

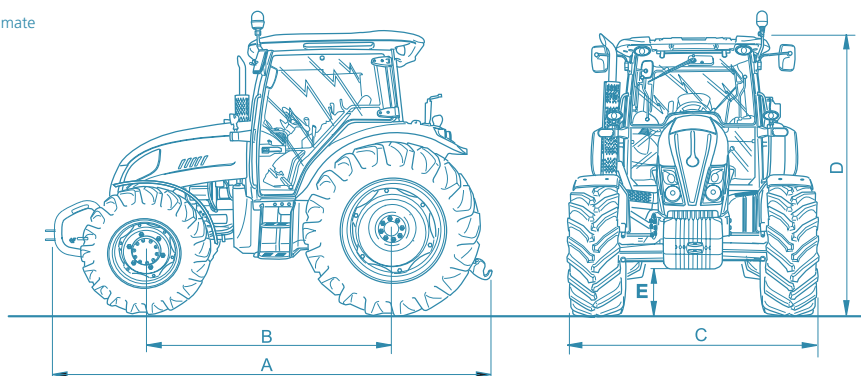
A front lift and PTO and a front loader are also available as an option to further extend the flexibility of the *POWERMONDIAL* range.

The four-post cab with full-sized, rear-hinged doors provides superb all-round visibility. With ergonomically-arranged controls, climate control and a sliding sunroof for loader operations the *Master Class* cab is built to provide the operator with superior comfort.



	POWERMONDIAL 100		POWERMONDIAL 110		POWERMONDIAL 115	
	TECHNO	TOP	TECHNO	TOP	TECHNO	TOP
<b>ENGINE</b>						
PERKINS DIRECT-INJECTION TURBO-AFTERCOOLED TIER 3 ENGINE	1104D-44TA		1104D-44TA		1104D-44TA	
MAX. POWER (ISO)	HP/KW	92,5/68	101,9/74,9	110,2/81		
NET PTO POWER (ISO)	HP/KW	83,3/61*	91,8/67,5*	99/72,5*		
MAX. TORQUE	NM	384	412	410		
DISPLACEMENT/NR. OF CYLINDERS	CM <sup>3</sup>	4400/4	4400/4	4400/4		
FUEL TANK CAPACITY	LTRS	180	180	180		
<b>CLUTCH</b>						
SINGLE-PLATE DRY CLUTCH	INCH	13"(330)	13"(330)	13"(330)		
MULTI-DISC WET CLUTCH		●	●	●		
DECLUTCH CONTROL: BY BUTTON		●	●	●		
<b>TRANSMISSION</b>						
SPEED FIVE + MECH. REV. SHUTTLE: 15FWD+15REV		●	●	●		
SPEED FIVE + CREEPER + MECH. REV. SHUTTLE: 20FWD+20REV		○	○	○		
T-TRONIC + SPEED FOUR+ HYDR. REV. SHUTTLE: 36FWD+12REV (3 POWERSHIFT SPEEDS)		●	●	●		
T-TRONIC + SPEED FOUR + CREEPER+ HYDR. REV. SHUTTLE: 48FWD+16REV		○	○	○		
ELECTROHYDRAULIC PARK LOCK		●	●	●		
<b>POWER TAKE-OFF</b>						
WET MULTI-DISK HYDRA-PTO		●	●	●		
ELECTROHYDRAULIC ENGAGEMENT		●	●	●		
2 SPEEDS: 540/750 RPM		●	●	●		
2 SPEEDS: 540/1000 RPM		○	○	○		
3 SPEEDS: 540/750/1000 RPM		○	○	○		
<b>FRONT 4WD AXLE</b>						
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●		
MAX. STEERING ANGLE	DEGREES	55	55	55		
TWIN-LOCK ELECTROHYDRAULIC DIFF-LOCKS		●	●	●		
<b>BRAKES</b>						
WET REAR BRAKES - 10 DISCS		●	●	●		
WET FRONT BRAKES - 4 DISCS		●	●	●		
IBS INTEGRAL BRAKING SYSTEM		●	●	●		
<b>HYDRAULIC POWER LIFT</b>						
MECHANICALLY CONTROLLED		●	●	●		
ELECTRONICALLY-CONTROLLED LANDTRONIC POWER LIFT		●	●	●		
ERGONOMIC LIFT SYSTEM + REAR LIFT CONTROL		○	○	○		
LIFT CAPACITY WITH STD 50MM/OPTIONAL 55MM ASSISTOR RAMS	KG	5150 ● / 5650 ○	5150 ● / 5650 ○	5150 ● / 5650 ○		
HYDRAULIC PUMP FLOW (POWER LIFT + STEERING)	LT/MIN	52+29,9	52+29,9	52+29,9		
REMOTE VALVES STANDARD / OPTIONAL		3 / 5	3 / 5	3 / 5		
FRONT POWER LIFT AND PTO		○	○	○		
<b>CAB AND DRIVING POSITION</b>						
"MASTER CLASS" CAB / RADIO ADAPTOR		●	●	●		
AIR-CONDITIONING		○	○	○		
CLIMATE CONTROL		○	○	○		
<b>DIMENSIONS AND WEIGHTS</b>						
FRONT TYRES		13.6R24	440/65R24	440/65R24		
REAR TYRES		16.9R34	540/65R34	540/65R34		
A - LENGTH 4WD	MM	4400	4400	4400		
B - WHEELBASE 4WD	MM	2400	2400	2400		
C - MIN. WIDTH	MM	1964	2056	2056		
D - HEIGHT OVER CAB	MM	2730	2720	2720		
E - GROUND CLEARANCE	MM	420	420	420		
WEIGHT IN RUNNING ORDER (WITHOUT BALLAST WEIGHTS)	KG	4600	4650	4650		

Key: ● standard ○ option – not available \* Manufacturer's estimate



# Powermondial

100 - 110 - 115    TECHNO / TOP



**Landini**<sup>®</sup>

An Italian story



## NEW PERKINS TIER 3 1104D SERIES ENGINES AND TILT-UP HOOD

THE NEW PERKINS 4-CYLINDER *TURBO-AFTERCOOLED* ENGINES DELIVER 92.5, 102 AND 110 HP (ISO). THEY COMPLY WITH THE TIER 3 EMISSION STANDARDS AND PROVIDE HIGH TORQUE BACKUP, IMPROVED FUEL ECONOMY AND LOW NOISE LEVELS.

THE TILT-UP HOOD PROVIDES EASY ACCESS TO THE ENGINE COMPARTMENT FOR ROUTINE SERVICE AND MAINTENANCE. > FIG. A



## NEW FRONT AXLE

THE 4WD FRONT AXLE WITH ELECTROHYDRAULIC ENGAGEMENT AND 55-DEGREE STEERING ANGLE ENSURES OPTIMUM GROUND CLEARANCE AND EXCELLENT MANOEUVRABILITY.

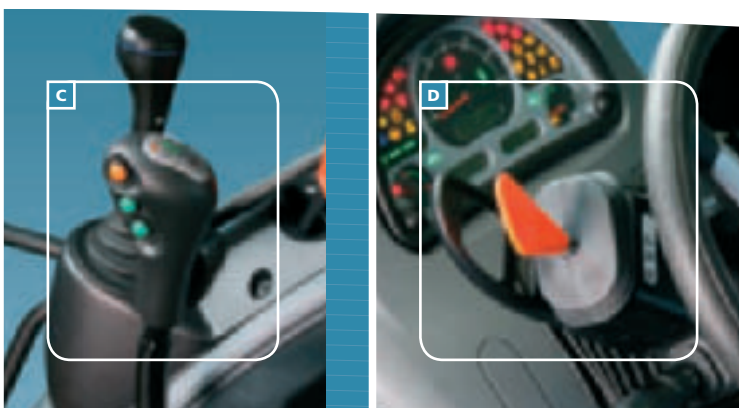
THE COMBINED ACTION OF THE FRONT AND REAR WET DISC BRAKES ENSURES SAFE AND EFFECTIVE BRAKING ON ALL FOUR WHEELS. > FIG. B

## T-TRONIC TRANSMISSION (48FWD+16REV) WITH DE-CLUTCH CONTROL AND REVERSE POWER SHUTTLE

THE *T-TRONIC* TRANSMISSION TRIPLES THE 12 GEARS OF THE BASIC TRANSMISSION (*SPEED FOUR*) UNDER LOAD, GIVING A TOTAL NUMBER OF 36 FORWARD SPEEDS PLUS 12 REVERSE SPEEDS THAT ARE ACHIEVED USING THE GREEN BUTTONS ON THE GEAR SHIFT LEVER. > FIG. C

A CREEP TRANSMISSION IS AVAILABLE AS AN OPTION, EXTENDING FLEXIBILITY TO 48 FORWARD AND 16 REVERSE SPEEDS.

THE *DE-CLUTCH CONTROL* (ORANGE BUTTON ON THE GEAR SHIFT LEVER) (FIG. C) AND THE REVERSE POWER SHUTTLE (LEVER FITTED UNDER THE STEERING WHEEL) (FIG. D) ALLOW THE OPERATOR TO CHANGE GEAR AND SHIFT FROM FORWARD TO REVERSE WITHOUT USING THE CLUTCH PEDAL.



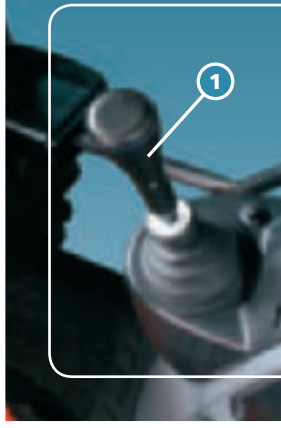


**POWERMONDIAL: PERFORMANCE, VERS**



**NEW LANDTRAC  
POWER LIFT**

WITH ERGONOMY  
THE STYLISH RIGHT  
DRIVER'S RIGHT, THE  
INCORPORATES ALL  
OFFERING MAXIMUM  
OF IMPLEMENTS. >  
THE CAT. 2 THREE-  
CAPACITY OF 5650



**"MASTER CLASS  
COMFORT AND**

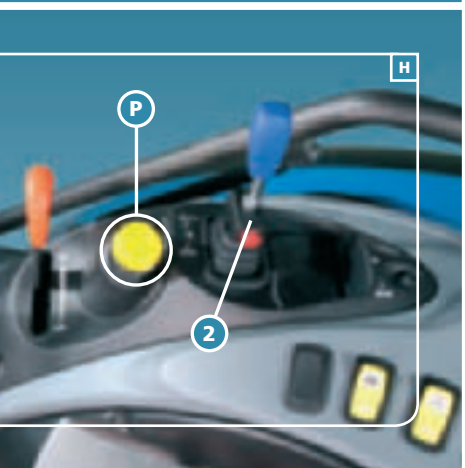
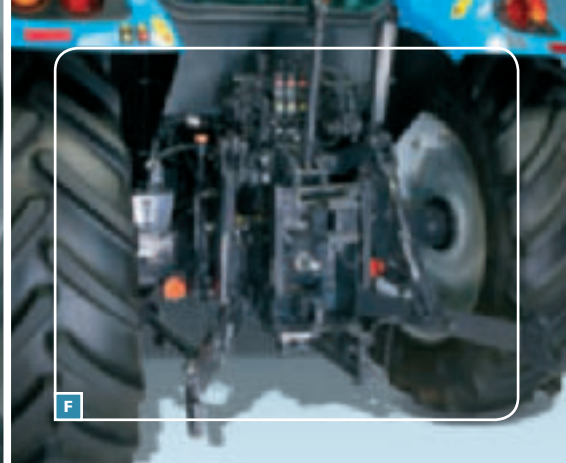
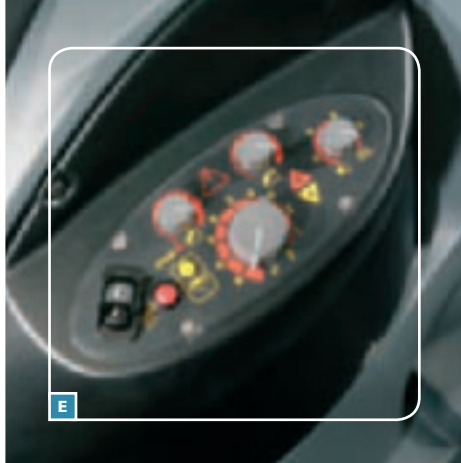
THE "MASTER CLASS  
FULL-SIZED, REAR-H  
ALL-ROUND VISIBIL  
ENTER AND EXIT WI  
THE QUALITY AND  
ARRANGED CONTR  
PROOFING MAXIMIS  
AN ATHERMIC GLA  
LOADER OPERATION  
EQUIPPED WITH PNE  
STEERING WHEEL A  
SYSTEM, THE CAB C  
LONG HOURS IN TH  
EIGHT POWERFUL  
VISIBILITY DURING M

**SATILITY AND STYLISH DESIGN**

## RONIC ELECTRONIC

ICALLY-ARRANGED CONTROLS ON  
T-HAND CONSOLE LOCATED TO THE  
E LANDTRONIC ELECTRONIC POWER LIFT  
MAIN FUNCTIONS AND REGULATIONS  
M COMFORT AND FINGERTIP CONTROL  
FIG. E

POINT HITCH (FIG. F) PROVIDES A LIFT  
KG.



### HYDRA-PTO: 2- OR 3-SPEED PTO WITH HYDRAULIC ENGAGEMENT FOR MAXIMUM FLEXIBILITY

THE 1 3/8-INCH PTO WITH HYDRAULIC ENGAGEMENT OFFERS TWO BASIC SPEEDS OF 540/750 OR 540/1000 RPM. AN ADDITIONAL 3-SPEED PTO PROVIDING 540/750/1000 RPM IS AVAILABLE AS AN OPTION FOR INCREASED VERSATILITY.

THE WET DISC CLUTCH, OPERATED BY PUSH BUTTON (P), ENABLES SMOOTH AND PROGRESSIVE ENGAGEMENT OF THE PTO, PREVENTING ABRUPT STARTING OF THE SHAFT FOR ADDED OPERATOR COMFORT AND IMPLEMENT DRIVE LINE PROTECTION. > FIG. H

### HIGH-PERFORMANCE HYDRAULICS AND FLEXABILITY OF REMOTE VALVES

THE NEW HYDRAULIC SYSTEM PROVIDES A MAXIMUM TOTAL FLOW OF 82 L/MIN.

THE SYSTEM FEATURES UP TO FIVE REMOTE VALVES WITH LEVER CONTROLS INTEGRATED IN THE CONSOLE TO THE DRIVER'S RIGHT. > FIG. H

TWO OF THE REMOTE VALVES ARE CONTROLLED BY JOYSTICK (1) FOR FRONT LOADER OPERATIONS, WHILE THE OTHER THREE ARE OPERATED BY STANDARD LEVERS (2) GIVING THE POWERMONDIAL EXTRA VERSATILITY AND PRODUCTIVITY.

### ASS" CAB FOR SUPERIOR ND VISIBILITY

"S" CAB HAS A FOUR-POST DESIGN WITH  
INGED DOORS WHICH PROVIDE TOTAL  
ITY AND ALLOW THE OPERATOR TO  
TH EASE.

D DESIGN OF THE ERGONOMICALLY-  
ROLS AND THE EXCELLENT SOUND-  
SE THE OPERATOR COMFORT.

ASS SLIDING SUNROOF MAKES FRONT  
S EASIER.

OMATIC SUSPENSION SEAT, ADJUSTABLE  
AND AN EFFICIENT CLIMATE CONTROL  
REATES THE IDEAL ENVIRONMENT FOR  
E FIELD.

HALOGEN LIGHTS PROVIDE GREATER  
NIGHT WORK. > FIG. I

