

# AGROPLUS

310 • 320 • 410 • 420



EVOLVING AGRICULTURE.

# TECHNICAL DATA

Your DEUTZ-FAHR dealer will be pleased to help and advise you:

## TECHNICAL DATA

### AGROPLUS 310

### AGROPLUS 320

### AGROPLUS 410

### AGROPLUS 420

|  | Version | 4WD                | 4WD                | 2WD                         | 4WD                | 4WD                |
|--|---------|--------------------|--------------------|-----------------------------|--------------------|--------------------|
|  |         | 1000.3 WT TIER III | 1000.3 WT TIER III | 1000.4 WT TIER III          | 1000.4 WT TIER III | 1000.4 WT TIER III |
| ENGINE                                   |         |                    |                    |                             |                    |                    |
| Cylinders/Displacement                   | no/cm³  | 3/3000             | 3/3000             | 4/4000                      | 4/4000             | 4/4000             |
| Aspiration                               |         | Turbo              | Turbo Intercooler  | Turbo Intercooler           | Turbo Intercooler  | Turbo Intercooler  |
| Max. homologated power (2000/25/CE)      | HP/kW   | 62/46              | 82/60              | 85/63**                     | 95/70              | 95/70              |
| Nominal engine speed                     | rpm     | 2200               | 2200               | 2200                        | 2200               | 2200               |
| Max. torque                              | Nm      | 240                | 310                | 345                         | 373                | 373                |
| Max. torque engine speed                 | rpm     | 1600               | 1600               | 1600                        | 1600               | 1600               |
| Torque backup                            | %       | 22                 | 27                 | 31                          | 31                 | 31                 |
| Cooling                                  |         |                    |                    | liquid-oil                  |                    |                    |
| Engine control                           |         |                    |                    | electronic                  |                    |                    |
| Air cleaner                              |         |                    |                    | dry with safety cartridge   |                    |                    |
|  |         |                    |                    | with lateral exhaust        |                    |                    |
| Silencer underhood                       |         |                    |                    | with vertical exhaust       |                    |                    |
|  |         |                    |                    | with exhaust on cab upright |                    |                    |
| Fuel tank capacity                       | litres  |                    |                    | 90                          |                    |                    |
| DIMENSIONS AND WEIGHTS (with rear tyres) |         | 420/70 R 30        | 420/70 R 30        | 480/70 R 30                 | 480/70 R 30        | 480/70 R 30        |
| Max. length without link arms            | mm      | 3430               | 3430               | 3560                        | 3560               | 3560               |
| Width min.- max.                         | mm      | 1940-2240          | 1940-2240          | 2005-2405                   | 2005-2405          | 2005-2405          |
| Max. height at safety frame              | mm      | 2400               | 2400               | 2440                        | 2440               | 2440               |
| Max height at cab                        | mm      | 2460               | 2460               | 2460                        | 2460               | 2460               |
| Ground clearance                         | mm      | 360                | 360                | 300                         | 390                | 390                |
| Wheelbase                                | mm      | 2100               | 2100               | 2185                        | 2230               | 2230               |
| Front track min.- max.                   | mm      | 1460-1760          | 1460-1760          | 1350-1440                   | 1450-1850          | 1450-1850          |
| Rear track min.- max.                    | mm      | 1500-1800          | 1500-1800          | 1500-1900                   | 1500-1900          | 1500-1900          |
| Minimum steering radius without braking  | mm      | 3730               | 3900               | 3570                        | 3900               | 3900               |
| Weight with safety frame                 | kg      | 3000               | 3000               | 3150                        | 3200               | 3200               |
| Weight with cab                          | kg      | 3230               | 3230               | 3350                        | 3410               | 3410               |

#### TRANSMISSION

|   |   |
|---|---|
| Gearbox clutch  | hydrostatically operated  |
| Mechanical gearbox, 5 synchronised gears, 3 gear ranges with creeper + underdrive (min. speed: 0,24 km/h) | 30 FWD + 15 REV with OVERSPEED  |
| POWERSHIFT gearbox (3 power gears)  | 45 FWD + 45 REV with OVERSPEED  |
| 5 synchronised gears, 3 gear ranges with creeper (min. speed: 0,20 km/h)                                  |   |
| Max. speed  | OVERSPEED gearbox 50 km/h (speed limited to 40 km/h for legal purposes, even at economy engine speed) |
| Shuttle   | mechanical, synchronised  |
| Rear differential lock  | hydraulic under load with Stop&Go function  |
| Lubrication   | electro-hydraulically operated  |
|   | forced with transmission oil cooler   |

#### REAR P.T.O.

|           |   |
|-----------|---|
| Clutch    | multiple, oil-immersed discs, electro-hydraulically operated    |
| Speed     | rpm<br>540-540 ECON<br>540-540 ECON-1000<br>synchronised P.T.O. |
| Operation | electro-hydraulically operated, push-button control             |

#### FRONT P.T.O.

|           |  |
|-----------|--|
| Clutch    | multiple, oil-immersed discs, electro-hydraulically operated |
| Speed     | rpm<br>1000  |
| Operation | electro-hydraulically operated, push-button control          |

#### BRAKES AND STEERING

|                      |   |
|----------------------|---|
| Braking system       | all wheel braking, oil-immersed discs on all 4 wheels, hydrostatically operated |
| Parking brake        | independent   |
| Trailer braking      | hydraulic braking valve   |
| Hydrostatic steering | independent pump, adjustable steering wheel                                     |
| Steering angle       | 2WD<br>70°<br>4WD<br>55°  |

#### POWERSHIFT WITH OVERSPEED GEARBOX 45 FWD + 45 REV - SPEEDS IN KM/H AT AN ENGINE SPEED OF 2200 RPM WITH 480/70 R 30 REAR TYRES

|        | 1 SR | 2 SR | 3 SR | 4 SR | 5 SR | 1 L  | 2 L  | 3 L  | 4 L  | 5 L  | 1 V   | 2 V   | 3 V   | 4 V   | 5 V    |
|--------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| LOW    | 0,20 | 0,30 | 0,44 | 0,65 | 0,95 | 1,28 | 1,87 | 2,78 | 4,09 | 6,05 | 7,06  | 10,30 | 15,31 | 22,55 | 33,29  |
| MEDIUM | 0,24 | 0,35 | 0,52 | 0,77 | 1,15 | 1,54 | 2,24 | 3,33 | 4,91 | 7,26 | 8,48  | 12,36 | 18,37 | 27,06 | 39,95  |
| HIGH   | 0,29 | 0,43 | 0,64 | 0,94 | 1,39 | 1,86 | 2,72 | 4,04 | 5,96 | 8,80 | 10,27 | 14,98 | 22,26 | 32,80 | 48,42* |

The above specifications refer to tractors with all available equipment. For standard equipment and options, refer to the current price list and ask your local dealer for details.

\*=FOR SOME COUNTRIES SPEED LIMITED TO 40 KM/H ALSO AT ECONOMY ENGINE SPEED FOR LEGAL PURPOSES \*\*=OVERBOOST A 95HP PLEASE NOTE: REVERSE SPEEDS ARE SLIGHTLY LOWER THAN THE CORRESPONDING FORWARD SPEEDS.

#### FRONT AXLE

|                         |                                |
|-------------------------|--------------------------------|
| Drive engagement        | electro-hydraulically operated |
| Front differential lock | electro-hydraulically operated |
| Front ballast           | eight 40 kg case type weights  |
| Front mudguards         | swivelling                     |

#### HYDRAULIC LIFT

|   |   |
|---|---|
| Rear power lift                             | mechanical<br>electronic  |
| Maximum lifting capacity                    | kg<br>3000<br>3600 with supplementary jacks                     |
| Pump delivery                               | l/min.<br>54  |
| Auxiliary hydraulic control valves          | no. ways<br>4/6 with flow regulator                             |
| 3 point linkage<br>(link arms and top link) | fixed hitching balls<br>automatic hitching<br>original built in |
| Front lift                                  | maximum lifting capacity 1750 kg<br>quick fit ballast, 250 kg   |

#### DRIVING POSITION

|                  |  |
|------------------|--|
| Platform         | suspended on silent-block  |
| Safety frame     | two rear uprights<br>four uprights, original sound-proofed and pressurised, opening<br>windscreen, rear windscreen wiper, 4 work lights, active<br>carbon air filter, telescopic rear-view mirrors<br>as above with "high visibility" roof |
| Cab              | air conditioning, ventilation, heating, forced recirculation<br>digital display  |
| Cab conditioning | mechanical adjustment, safety belt   |
| Instruments      | pneumatic suspension, safety belt  |
| Driver's seat    |  |

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