

5D SERIES



DEUTZ-FAHR

5080 D - 5090 D - 5090.4 D - 5100.4 D

5080 D - 5090 D - 5090.4 D Ecoline



Technical data and pictures are guideline only. Committed to delivering a product more and more in line with your needs, DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice.

| TECHNICAL DATA | 5 D SERIES | | | | | | | |
|--|------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
| | | 5080 Ecoline | 5080 | 5090 Ecoline | 5090 | 5090.4 Ecoline | 5090.4 | 5100.4 |
| ENGINE | | | | | | | | |
| Emissions | | Tier4i | Tier4i | Tier4i | Tier4i | Tier4i | Tier4i | Tier4i |
| Model | | FARMotion | FARMotion | FARMotion | FARMotion | FARMotion | FARMotion | FARMotion |
| Cylinders/Displacement/Valves | No./cc/No. | 3 / 2887 / 2 | 3 / 2887 / 2 | 3 / 2887 / 2 | 3 / 2887 / 2 | 4 / 3849 / 2 | 4 / 3849 / 2 | 4 / 3849 / 2 |
| Common Rail | bar | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Turbo intercooler | | ● | ● | ● | ● | ● | ● | ● |
| Maximum power (ECE R 120) @ 2,000 rpm | kW/hp | 55.4/75 | 55.4/75 | 65/88 | 65/88 | 65/88 | 65/88 | 75/102 |
| Power at rated speed (ECE R 120) @2,200 rpm | kW/hp | 55.4/75 | 55.4/75 | 61.6/84 | 61.6/84 | 61.6/84 | 61.6/84 | 71.1/97 |
| Max. torque @ 1,600 rpm | Nm | 341 | 341 | 354 | 354 | 354 | 354 | 408 |
| Torque rise | % | 40 | 40 | 32 | 32 | 32 | 32 | 32 |
| Electronic engine control | | ● | ● | ● | ● | ● | ● | ● |
| Exhaust gas after-treatment system | | DOC / exEGR | DOC / exEGR | DOC / exEGR |
| Fuel tank capacity | litres | 75 | 100 | 75 | 100 | 75 | 100 | 100 |
| SHUTTLE | | | | | | | | |
| Mechanical Shuttle (LS) | | ● | ● | ● | ● | ● | ● | - |
| Hydraulic reverse power shuttle (GS) | | - | ● | - | ● | - | ● | ● |
| ComfortClutch (GS) | | - | ● | - | ● | - | ● | ● |
| SenseClutch (GS) | | - | ● | - | ● | - | ● | ● |
| Stop&Go System (GS) | | - | ● | - | ● | - | ● | ● |
| MECHANICAL GEARBOX | | | | | | | | |
| Number of speeds | n° | 10 + 10 | - | 10 + 10 | - | 10 + 10 | - | - |
| Number of speeds with supercreeper gear and underdrive | n° | 30 + 15 | 30 + 15 | 30 + 15 | 30 + 15 | 30 + 15 | 30 + 15 | 30 + 15 |
| Overspeed (40km/h Eco) | | - | ● | - | ● | - | ● | ● |
| POWERSHIFT GEARBOX | | | | | | | | |
| Number of speeds with supercreeper gear | n° | - | 45 + 45 | - | 45 + 45 | - | 45 + 45 | 45 + 45 |
| Powershift number of speeds | n° | - | 3 | - | 3 | - | 3 | 3 |
| Overspeed (40km/h Eco) | | - | ● | - | ● | - | ● | ● |
| REAR PTO | | | | | | | | |
| Clutch dry | | ● | - | ● | - | ● | - | - |
| Multiplate wet clutch | | - | ● | - | ● | - | ● | ● |
| Mechanical engagement | | ● | - | ● | - | ● | - | - |
| electrohydraulic engagement | | - | ● | - | ● | - | ● | ● |
| P.T.O. 540/540ECO | | ● | ● | ● | ● | ● | ● | ● |
| PTO 540/540ECO/1000 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Ground speed PTO | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| FRONT PTO | | | | | | | | |
| PTO 1000 | | - | ○ | - | ○ | - | ○ | ○ |
| FRONT AND REAR AXLE | | | | | | | | |
| Front wheel drive mechanically engaged | | ● | - | ● | - | ● | - | - |
| Front wheel drive electrohydraulically engaged | | - | ● | - | ● | - | ● | ● |
| Mechanically operated differential lock | | ● | - | ● | - | ● | - | - |
| Electrohydraulically operated differential lock | | - | ● | - | ● | - | ● | ● |
| Steering angle 2WD | degrees | - | - | 70° | 70° | 70° | 70° | - |
| Steering angle 4WD | degrees | 55° | 55° | 55° | 55° | 55° | 55° | 55° |
| BRAKES | | | | | | | | |
| Hydrostatic control | | ● | ● | ● | ● | ● | ● | ● |
| 4-wheel braking | | ● | ● | ● | ● | ● | ● | ● |
| Braking system with wet brake discs | | ● | ● | ● | ● | ● | ● | ● |
| Mechanical parking brake | | ● | ● | ● | ● | ● | ● | ● |
| Trailer hydraulic braking valve | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| STEERING | | | | | | | | |
| Hydrostatic steering with independent pump | | ● | ● | ● | ● | ● | ● | ● |
| HITCH | | | | | | | | |
| Rear hitch mechanical | | ● | ● | ● | ● | ● | ● | ● |
| Rear hitch electronic | | - | ○ | - | ○ | - | ○ | ○ |
| Rear hitch lift capacity (std) | kg | 2650 | 3000 | 2650 | 3000 | 2650 | 3000 | 3000 |
| Rear hitch lift capacity (opt) | kg | 3600 | 3600 | 3600 | 3600 | 3600 | 3600 | 3600 |
| Front hitch | | - | ○ | - | ○ | - | ○ | ○ |
| Front hitch capacity | kg | - | 1750 | - | 1750 | - | 1750 | 1750 |
| HYDRAULIC SYSTEM | | | | | | | | |
| Pump output | l/min | 42 | 54 | 42 | 54 | 42 | 54 | 54 |
| Open centre hydraulic system | | ● | ● | ● | ● | ● | ● | ● |
| Rear auxiliary valves | n° of ways | 4 / 6 | 6 | 4 / 6 | 6 | 4 / 6 | 6 | 6 |
| CAB | | | | | | | | |
| Air conditioning | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| High visibility roof | | - | ○ | - | ○ | - | ○ | ○ |
| Suspension driver seat | | ● | ● | ● | ● | ● | ● | ● |
| DIMENSIONS AND WEIGHTS | | | | | | | | |
| Standard rear tyres | | 420/70R30 | 420/70R30 | 420/70R30 | 420/70R30 | 480/70R30 | 480/70R30 | 480/70R30 |
| Max. length without rear linkage | mm | 3430 | 3430 | 3430 | 3430 | 3560 | 3560 | 3560 |
| Width (min./max.) | mm | 1940/2240 | 1940/2240 | 1940/2240 | 1940/2240 | 2005/2405 | 2005/2405 | 2005/2405 |
| Wheelbase (4WD/2WD) | mm | 2100 / - | 2100 / - | 2100 / 2140 | 2100 / 2140 | 2230 / 2270 | 2230 / 2270 | 2230 / - |
| Front track (min./max.) | mm | 1460/1760 | 1460/1760 | 1460/1760 | 1460/1760 | 1450/1850 | 1450/1850 | 1450/1850 |
| Rear track (min./max.) | mm | 1500/1800 | 1500/1800 | 1500/1800 | 1500/1800 | 1500/1900 | 1500/1900 | 1500/1900 |
| Max. height at cab | mm | 2460 | 2460 | 2460 | 2460 | 2485 | 2485 | 2485 |
| Weight with cab | kg | 3,200 | 3,200 | 3,200 | 3,200 | 3,300 | 3,300 | 3,300 |
| Maximum load capacity | kg | 5,200 | 5,200 | 5,200 | 5,200 | 5,200 | 5,200 | 5,200 |

STD ● OPT ○

Dealer



Deutz-Fahr recommends original lubricants and coolants.

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