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Kubota

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## KUBOTA NARROW TRACTOR M4N/M5N ROPS

New standards in narrow tractor performance and operator comfort

### Narrow Enough to Work Between Vines and Powerful Enough to be Part of the M-Series Line-Up

Kubota engineered the M4N/M5N specifically for work in vineyards, orchards or anywhere else that might require a narrow tractor that features M-Series power. With an intelligently revamped operator station, improved hydraulic capacity and an updated V3800 Tier IV Final engine, the M4N/M5N deliver on Kubota's proven versatility, dependability and strength.

#### Updated Engine Features

The M4N/M5N have an updated V3800 Tier IV Final engine which has a common rail fuel system, intercooler\*, exhaust gas recirculation and employs a diesel particulate filter and a selective catalytic reduction\* for minimized emissions. Additionally, it has an increased alternator capacity (45A to 80A and 100A), larger radiator, larger diameter cooling fan and RPM memory for repetitious actions.

\* Only on M5N

#### Three Horsepower Options

**M4N-071:** 72.6 rated HP\*, 61.0 PTO HP\*\*

**M5N-091:** 92.5 rated HP\*, 78.0 PTO HP\*\*

**M5N-111:** 105.7 rated HP\*, 91.0 PTO HP\*\*

12-speed models

\* Engine HP @ rated engine RPM (according to 97/68/EC)

\*\* PTO power @ rated engine RPM (OECD CODE2)

#### Improved Hydraulics

The M4N/M5N have more standard rear remote valves than before, now offering two valves as standard. With 16.7 gpm flow, an optional third, fourth or fifth remotes, and all valves being independent flow control valves, the tractor is ready to accept implements requiring multiple valves.



#### Redesigned Operator Station

To promote operator efficiency all main controls are on the right hand side of the operator while the steering wheel now has up to 25 degrees of tilt. An easy access fuse box is standard.



#### Transmission

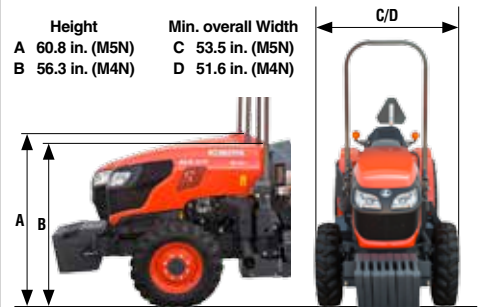
High productivity requires versatility, such as traveling at low or sustained speeds. This tractor's transmission has 12F x 12R speed (24F x 24R is available on M5N only), with six speeds in two ranges. The shuttle shift is electric over hydraulic making direction changes a breeze. Bi-speed turning and 540/540E PTO is standard, as is the over drive feature for improved travel speed. All models have wet disc hydraulic brakes and gear lock parking.

#### Dimensions

With all these great new features, still keeping the hood height of the M4N model is less than 57 inches\* and M5N models are

still less than 61 inches\*. Additionally, even with the larger chassis, M4N model's overall width remains the same as the previous model, while M5N model's increased by only 2 inches.

\*Equipped with standard tires.



M4N-071 Tractor shown



Note: Shown with optional front weights

# Specifications

| Model  |              | M4N-071 4WD ROPS NARROW  | M5N-091 4WD ROPS NARROW  | M5N-111 4WD ROPS NARROW  |
|--|--------------|--|--|--|
| <b>Engine</b>  |              |  |  |  |
| Type (make: Kubota)  |              | V3800-CR-TIEF4 – Direct Injection, water-cooled 4-cycle diesel, Common Rail System, Turbocharger, DPF, DOC |  | V3800-CR-TIEF4 – Direct Injection, water-cooled 4-cycle diesel, Common Rail System, Turbocharger, Intercooler, DPF, DOC, SCR |
| Number of cylinders / Aspiration                             |              | 4 / Turbocharged   |  |  |
| Rated engine HP (97/68/EC)                                   | HP (kW)      | 72.6 (54.1)  | 92.5 (69.0)  | 105.7 (78.8)   |
| PTO power @rated engine RPM (OECD CODE2) 12-speed / 24-speed | HP (kW)      | 61 (45.5)  | 12-speed : 78 (58.1)<br>24-speed : 75 (55.9)   | 12-speed : 91 (67.9)<br>24-speed : 88 (65.6)   |
| Rated engine   | rpm          | 2400   |  |  |
| Fuel tank capacity   | gal. (ℓ)     | 20.1 (76)  |  |  |
| Alternator   | Amp          | 100  | 80   |  |
| <b>Transmission</b>  |              |  |  |  |
| No. of speeds  |              | F12 × R12 (opt. Creep F18 × R18)   | 12-speed : F12 × R12 (F18 × R18 w/creep)<br>24-speed : F24 × R24 (F36 × R36 w/creep) |  |
| Main gear shift  |              | 6-speed 2 ranges   | 6-speed 2 ranges with Hi-Lo  |  |
| Shuttle shift  |              | Electro-hydraulic  |  |  |
| <b>PTO</b>   |              |  |  |  |
| Type   |              | Electro-hydraulic  |  |  |
| Speed  | rpm          | 540/540E   |  |  |
| <b>Hydraulics</b>  |              |  |  |  |
| Pump capacity (3-point hitch)                                | gpm (ℓ/min.) | 16.7 (63.3)  |  |  |
| 3-point hitch / Category                                     |              | Rigid lower link, easy adjust stabilizers / II   |  |  |
| Control system   |              | Position, draft (top link sensing)   |  |  |
| Lift capacity at 24 in. behind lift point (SAE)              | lbs. (kg)    | 3307 (1500)  |  |  |
| Lift capacity at 24 in. behind lift point (OECD)             | lbs. (kg)    | 2976 (1350)  |  |  |
| No. of standard remote valves                                |              | 2 with flow control (max. 5)   |  |  |
| <b>Other features</b>  |              |  |  |  |
| Front drive system   |              | Electronic 4WD engagement with Bi-Speed  |  |  |
| Deck type (rubber-mounted w/ rubber mat)                     |              | Semi-flat  |  |  |
| <b>Standard tire size</b>                                    |              |  |  |  |
| Front  |              | 8 – 16   |  |  |
| Rear   |              | 12.4 – 24  |  |  |
| <b>Dimensions &amp; weight</b>                               |              |  |  |  |
| Overall height (top of hood)                                 | in. (mm)     | 54.7 (1390)  | 59.8 (1520)  |  |
| Min. overall width*  | in. (mm)     | 51.6 (1310)  | 53.5 (1360)  |  |
| Ground clearance   | in. (mm)     | 11.4 (290)   |  |  |
| Tread width  | Front        | 41.3 (1050)  | 43.3 (1100)  |  |
|  | Rear         | 37.2 – 54.5 (945 – 1385)   |  |  |
| Tractor weight   | lbs. (kg)    | 5049 (2290)  | 5357 (2430)  |  |

\* from right side front tire to left side step

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Kubota engineered the M4N/M5N specifically for work in vineyards, orchards or anywhere else that might require a narrow tractor that features M-Series power. With an intelligently revamped operator station, improved hydraulic capacity, and an updated V-3800-Tier IV engine, the M4N/M5N delivers on Kubota's proven versatility, dependability, and strength.

#### Updated Engine Features

The M4N and M5N have an updated V-3800-Tier IV engine which has a common rail fuel system, intercooler, exhaust gas recirculation, and employs a diesel particulate filter and selective catalytic reduction for minimized emissions. Additionally, it has increased alternator capacity (60A to 80A and 100A), larger radiator, larger diameter cooling fan, and RPM memory for repetitious actions.

#### Three Horsepower Options

**M4N-071:** 72.6 HP\*, 61.0 PTO HP\*\*

**M5N-091:** 95 Rated HP\*, 78.0 PTO HP\*\*

**M5N-111:** 108 Rated HP\*, 91.0 PTO HP\*\*

#### Improved Hydraulics

The M5N has more standard rear remote valves than before. Now offering 2 valves as standard. With 18.1 GPM flow (16.7 GPM for M4N), an optional third, fourth, or fifth remotes, and all valves being independent flow control valves, the tractor is ready to accept implements requiring multiple valves.



#### Redesigned Cab

To promote operator efficiency the dash has been updated and contains a multi-function, multi-view intellipanel. All main controls are on the right hand side of the operator while the steering wheel has 40 degrees tilt. Dual side mirrors and an easy access fuse box are standard.

#### Transmission

High productivity requires versatility, such as traveling at low or sustained speeds. This tractor's transmission has 12F x 12R speed (24F x 24R is available on M5N only), with six speeds in two ranges. The shuttle shift is electric over hydraulic making direction changes a breeze. Bi-Speed turning is standard, as is overdrive, for improved travel speed and 540/540E PTO. It has a declutch button on the 24 speed 540/540E, and all models have wet disc hydraulic brakes and gear lock parking.



\*Engine HP @ 2400 RPM (According to 97/68EC)

\*\*PTO Power @ rated engine RPM (Manufacturer's Estimate)

Shown with optional front weights



# Specifications

| MODEL                 |   | M4N-071HDC12  | M5N-091HDC12 (HDC24)  | M5N-111HDC12 (HDC24)                     |
|-----------------------|---|---|---|--|
| Engine                | Type (Make:KUBOTA)  | V3800-TE4 – 4 cylinders in-line, Common Rail System, Direct Injection, DPF, DOC | V3800-TIEF4<br>4 cylinders in-line, Common Rail System, Direct Injection, DPF, DOC, SCR |  |
|                       | No. of Cylinders / Aspiration                                 | 4 / Turbocharged  | 4 / Turbocharged w/Intercooler  |  |
|                       | Engine HP (SAE J 1349) [HP (kW)]                              | 70.4 (52.5)   | 87.5 (65.2)   | 100.7 (75.1)                             |
|                       | PTO HP at Rated rpm (OECD CODE2) [HP (kW)]                    | 61 (45.5)   | HDC12: 78 (58.1); HDC24: 75 (55.9)  | HDC12: 91 (67.9); HDC24: 88 (65.6)       |
|                       | Total Displacement [cu. in. (cc)]                             | 230 (3769)  |   |  |
|                       | Rated Speed [RPM]   | 2400  | 2600  |  |
|                       | Fuel Tank Capacity [gal. (ℓ)]                                 | 20.1 (76)   |   |  |
|                       | Alternator  | 100 Amp (Opt 130 Amp)   | 80 Amp (Opt 130 Amp)  |  |
| Transmission          | No. of Speeds (Option)  | F12 / R12 (F18 / R18 w/creep)   | HDC12: F12 / R12 (F18 / R18 w/creep); HDC24: F24 / R24 (F36 / R36 w/creep)              |  |
|                       | Main Gear Shift   | 6 Speeds Synchronized   |   |  |
|                       | Range Gear Shift  | High / Low Range Gear Shift   |   |  |
|                       | Shuttle Shift   | Electro Hydraulic Shuttle   |   |  |
|                       | Dual Speeds (Hi - Lo)   | N/A   | HDC12: N/A; HDC24: Std  |  |
|                       | Max. Traveling Speed [mph (km/h)]                             | 22.2 (35.5)   | HDC12: 22.2 (35.5)<br>HDC24: 21.9 (35.1)  | HDC12: 22.2 (35.5)<br>HDC24: 21.9 (35.1) |
|                       | Brake Type  | Hydraulic wet disc  |   |  |
| Four Wheel Brake      | Std   |   |   |  |
| PTO                   | Type  | Live-independent PTO, electro-hydraulic clutch with brake                       |   |  |
|                       | PTO Speed [rpm]   | 540 / 540E  |   |  |
| Hydraulics            | System  | Open Center   |   |  |
|                       | Pump Capacity (3-Point Hitch) [gpm (ℓ/min)]                   | 23 (87.2)   | 24.9 (94.5)   |  |
|                       | 3-point Hitch   | Telescopic Stabilizers  |   |  |
|                       | Control System  | Position, Draft (Top link sensing)  |   |  |
|                       | Category  | II  |   |  |
|                       | Lift capacity at 24 in. behind lift point (OECD)* [lbs. (kg)] | 3307 (1500)   |   |  |
| No. of Remote Valves  | 2 (Max 5)   |   |   |  |
| Other Features        | 4WD Drive System  | Bevel Gear Type   |   |  |
|                       | Steering  | Hydraulic Power Steering  |   |  |
|                       | Tilt Steering   | Standard  |   |  |
|                       | Hood Type / Pedal Type  | Full open, Slanted, Steel / Hanging   |   |  |
|                       | Panel Type  | Electronic  |   |  |
|                       | Seat  | with Reclining, Arm Rest  |   |  |
|                       | RPM Memory  | Standard  |   |  |
| Standard Tire Size    | Front   | 8.0 - 16  |   |  |
|                       | Rear  | 12.4 - 24   |   |  |
| Dimensions and Weight | Overall Length [in. (mm)]                                     | 149.2 (3790)  | 155.5 (3950)  |  |
|                       | Overall Height Top of CAB [in. (mm)]                          | 90.2 (2290)   |   |  |
|                       | Overall Width (Left Step to end of Right fender) [in. (mm)]   | 53.9 (1370)   |   |  |
|                       | Wheelbase [in. (mm)]  | 83.9 (2130)   |   |  |
|                       | Crop Clearance (Front Axle) [in. (mm)]                        | 14.6 (370)  |   |  |
|                       | Turning Radius (w/o brake, w/Hi Speed) [ft. (m)]              | 12.5 (3.8)  |   |  |
| Weight [lbs. (kg)]    | 5291 (2400)   | 5622 (2550)   |   |  |

\*At lower link end with links horizontal



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