

**NISSAN**  
**FORKLIFT**

# F05 Series

Pneumatic Tire/Engine Powered Models





# SET YOUR EXPECTATIONS HIGH!

## Five Good Reasons for Choosing the F05 Series:

### ■ Powerful, Durable and Reliable FE6 and TD42 Diesel Engine

Powerful yet friendly to the environment, the heavy-duty FE6 diesel engine is perfect for demanding applications. The TD42 diesel engine also helps provide you with the outstanding performance.

### ■ New ECCS TB45 Gasoline Engine (LPG Single Fuel)

The new TB45 gasoline engine with ECCS (Electronic Concentrated Control System) increases maximum output and lifting speed while reducing exhaust emissions.

### ■ 2-stage Stator Torque Converter

F05 Series models are equipped with a 2-stage stator torque converter that boosts maximum traveling speed to an impressive 34km/h (FE6 engine-equipped models, no load).

### ■ Faster Lifting Speeds

Nothing helps to increase productivity better than fast lifting speeds — 590mm/sec. for 5.0- and 6.0-ton models equipped with the FE6 engine (no load).

### ■ Top Reliability, Top Quality

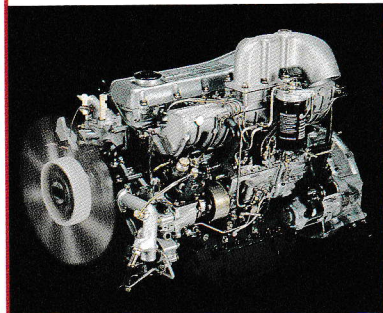
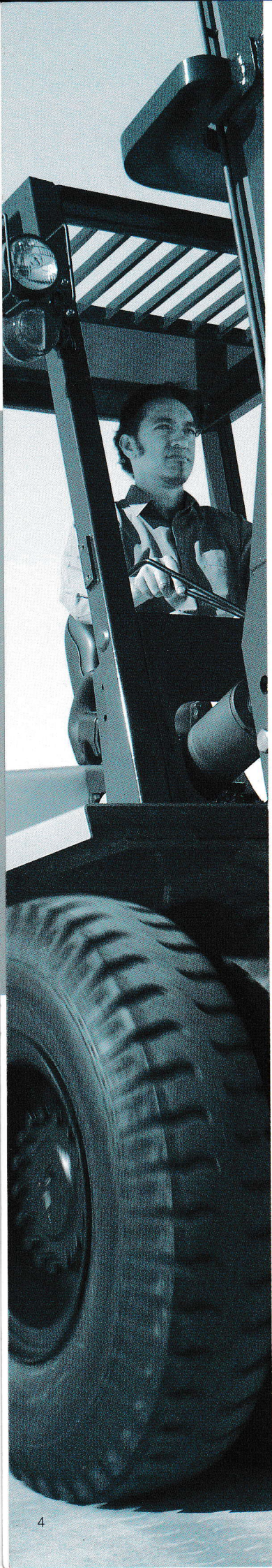
A product of world-famous Nissan engineering, you can count on the F05 Series to deliver years of reliable performance with far less downtime.





# More Power, More Productivity

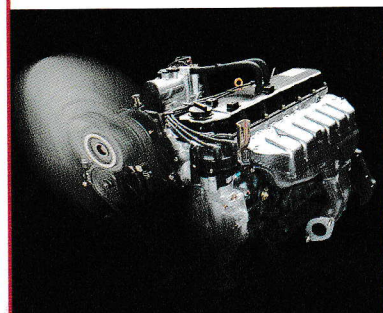
## Boosting Work Output to Its Highest Levels.



### FE6 Diesel Engine

If your forklift operations could benefit from faster traveling/lifting speeds and outstanding levels of power, the FE6 diesel engine is the perfect pick. Its unique direct fuel injection system enables this engine to provide substantial horsepower with impressive fuel economy.

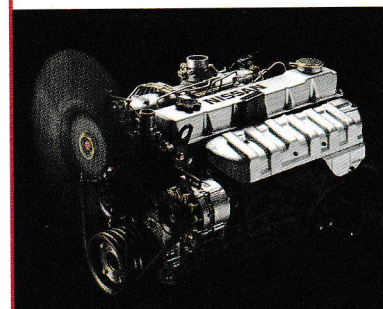
|               |                     |                      |
|---------------|---------------------|----------------------|
| Displacement: | Rated output:       | Rated torque:        |
| <b>6925cc</b> | <b>88kW/2100rpm</b> | <b>412Nm/1600rpm</b> |



### ECCS TB45 Gasoline Engine (LPG Single Fuel)

The new TB45 engine features ECCS (Electronic Concentrated Control System) and a three-way catalytic converter as standard equipment. This combination reduces toxic components in the exhaust gas, enabling the TB45 to clear EPA Tier I emission standards, due to go into effect in January 2004, which are the strictest exhaust regulations in the world. ECCS helps to increase maximum output and lifting speed.

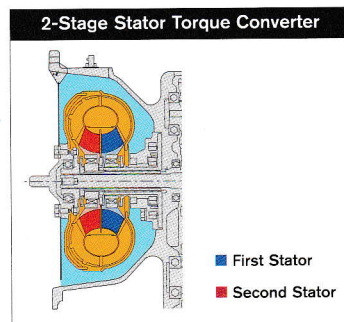
|               |                     |                      |
|---------------|---------------------|----------------------|
| Displacement: | Rated output:       | Rated torque:        |
| <b>4478cc</b> | <b>75kW/2450rpm</b> | <b>297Nm/1600rpm</b> |



### TD42 Diesel Engine

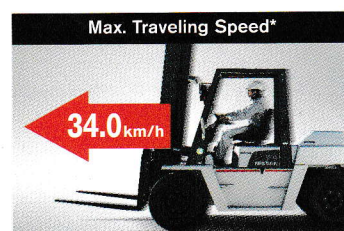
The F05 Series' choice of three powerplants — each designed to deliver uncompromising performance and reliability — provides you with the means to get tough jobs done quickly and efficiently. For example, the TD42 diesel engine features a highly rigid cylinder block and swirl combustion chamber with a sub-fuel injection port that improve output while reducing noise and fuel consumption.

|               |                     |                      |
|---------------|---------------------|----------------------|
| Displacement: | Rated output:       | Rated torque:        |
| <b>4169cc</b> | <b>63kW/2300rpm</b> | <b>275Nm/1600rpm</b> |



### Advanced Technology for Superior All-Round Performance

F05 Series forklifts are now equipped with a 2-stage stator torque converter that helps to improve all-round work efficiency by providing smoother, fatigue-free operation. Making it unnecessary for the operator to shift from low to high gear (1st to 2nd), the 2-stage stator torque converter is designed to eliminate shift shock. This greatly improves operator comfort — especially during long work shifts — and reduces the possibility of rocking the pallet when accelerating the forklift.



\*FE6 engine model (no load)

### Faster Traveling and Lifting Speeds

In addition to improving operating comfort, the 2-stage stator torque converter increases the maximum traveling speed of F05 forklifts — up to 34km/h for models (no load) equipped with the FE6 diesel engine. To further enhance productivity, the lifting speed of F05 forklifts has also been improved to an impressive 590mm/sec. (FE6 engine equipped 5.0- and 6.0-ton models, no load).

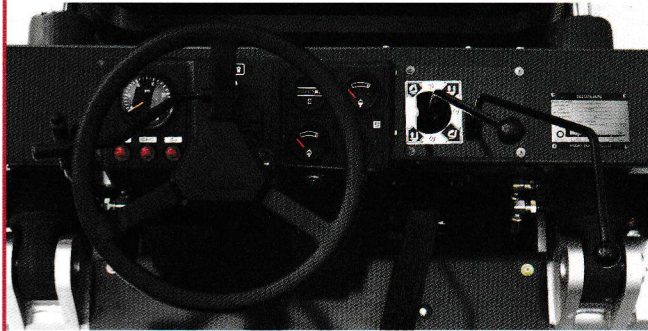


# Extra Ergonomics, Extra Comfort

**The Operator is the Most Important Consideration.**

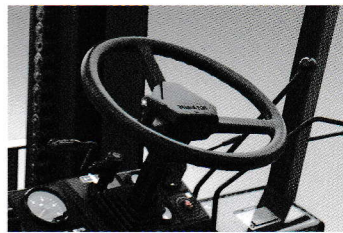
## Ergonomically Designed Instrument Panel

A model of ergonomic design, the instrument panel enhances driving ease and provides quick recognition of vehicle status. The instrument panel is just one component of the comfortable cabin environment that enables the operator to concentrate on the task and accomplish it faster, safer, and with less fatigue.



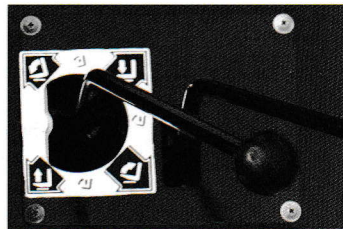
## Hydrostatic Power Steering System

F05 forklifts are equipped with a hydrostatic power steering system that works to reduce steering effort and lessen fatigue over long hours of operation. Completely hydraulic in design with no mechanical linkages, the smooth operation of this system helps to eliminate kickback and overseer characteristics.



## Single Lift/Tilt Lever

The convenient single lift/tilt lever (optional) allows the driver to perform simultaneous lifting and tilting operations with a single lever. Faster and easier load handling lead directly to greater productivity.



## Toggle-Joint Type Parking Brake

Unlike cumbersome "stick-type" parking brakes, F05 forklifts employ a toggle-joint type parking brake designed for smoother engagement and release. Its simple design also helps to improve durability and resistance to rust.



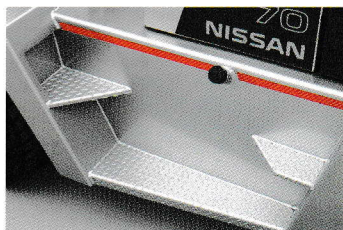
## Tilt Steering and Sliding Seat Adjustment

All F05 forklifts are equipped with tilt steering (up to 4 degrees forward or 7 degrees backward) that allows the operator to select the ideal driving position. And because operators come in all sizes, the seat accommodates with ample slide adjustment. Operators can also enjoy secure, comfortable forklift control with the optional ORS (Operator Restraint System) seat.



## Wide Open, Non-Skid Step

The wide-open step makes it safer and more convenient to mount or dismount the forklift. To further improve safety in demanding work conditions, the floorboard is constructed of embossed steel to reduce the possibility of slipping.



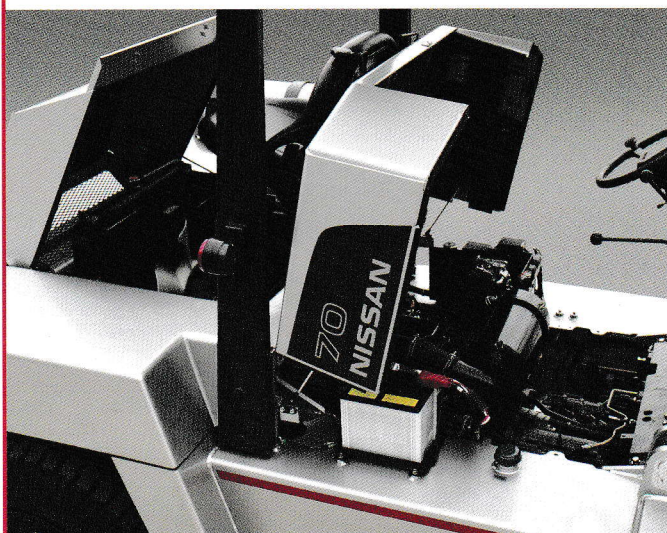


# Top Reliability, Top Quality

**The F05 Advantage: Years of Dependable Service.**

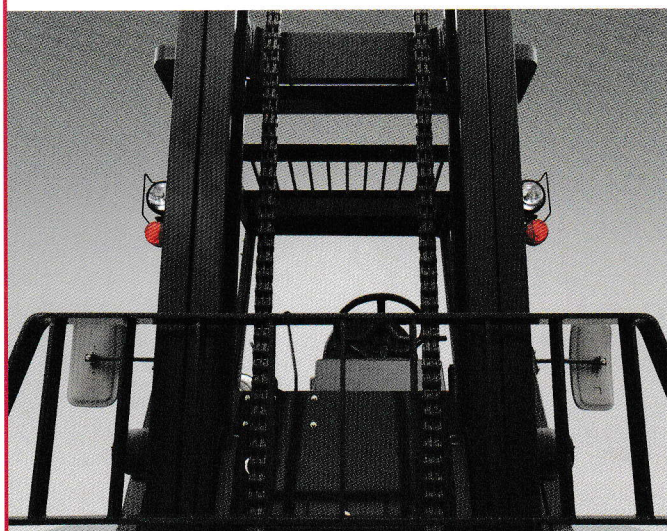
## Easier Maintenance and Servicing

Along with the kind of engineering that promises unsurpassed performance and productivity in all applications, F05 forklifts are designed with many features that facilitate maintenance and servicing. For example, the wide-opening top panel and radiator cover are equipped with gas stays and convenient hand grips that enable quick access to the engine compartment.



## Built for the Long Run

Built to provide years of reliable service in the most demanding materials handling operations, the superior engineering of the F05 Series is your guarantee of outstanding comfort, enhanced vehicle control, and exceptional safety. Attention to detail is evident throughout — for example, the hydraulic pipes and chains of the standard Wide View Mast are carefully designed to maximize forward visibility.



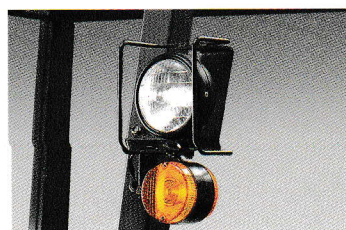
## Sturdy Overhead Guard

Conforming to ISO and ANSI/ASME international safety standards, the overhead guard provides reassuring protection. Its angular design also helps to improve forward and upward visibility.



## Headlights and Turn Signal Lights

Powerful headlights provide safer operation in dark storage areas or at night. For extra durability, the headlights are shielded with protective guards.





## Specifications

| Model                                  |    | JF05H50PU<br>WF05H50U<br>VF05H50U | JF05H60PU<br>WF05H60U<br>VF05H60U | JF05H70PU<br>WF05H70U<br>VF05H70U |
|--|----|-----------------------------------|-----------------------------------|-----------------------------------|
| Engine Model                           |    | TB45, TD42, FE6                   | TB45, TD42, FE6                   | TB45, TD42, FE6                   |
| Load Capacity                          | kg | 5000                              | 6000                              | 7000                              |
| Load Center                            | mm | 600                               | 600                               | 600                               |
| Max. Fork Height (standard mast)       | mm | 3000                              | 3000                              | 3000                              |
| Overall Width                          | mm | 1880                              | 1990                              | 1990                              |
| Overall Length (without forks)         | mm | 3475                              | 3540                              | 3635                              |
| Overall Height (overhead guard height) | mm | 2375                              | 2375                              | 2375                              |
| Turning Radius (outside)               | mm | 3160                              | 3200                              | 3280                              |

## Engine

| Model        |        | Nissan<br>TB45 | Nissan<br>TD42 | Nissan<br>FE6 |
|--------------|--------|----------------|----------------|---------------|
| Displacement | cc     | 4478           | 4169           | 6925          |
| Rated Output | kW/rpm | 75/2450        | 63/2300        | 88/2100       |
| Rated Torque | Nm/rpm | 297/1600       | 275/1600       | 412/1600      |

## Option Availability

Standard ☐ Option ☐

|                      |  | LPG Engine | Diesel Engine |      |
|----------------------|--|------------|---------------|------|
|                      |  | JF05       | WF05          | VF05 |
| Vehicle Management   | ECOS type                              |            |               |      |
|                      | Three-way catalytic converter          |            |               |      |
|                      | Overhead exhaust muffler               |            |               |      |
|                      | Cyclone air cleaner                    |            |               |      |
| Masts                | Two-stage wide view mast (2W)          |            |               |      |
|                      | Three-stage full free mast (3F)        |            |               |      |
|                      | Mast protector                         |            |               |      |
| Carriage & Backrest  | Shaft-type carriage                    |            |               |      |
|                      | Wide carriage                          |            |               |      |
|                      | Wide & high backrest                   |            |               |      |
|                      | High backrest                          |            |               |      |
| Control Lever        | Single control lever                   |            |               |      |
|                      | Twin control levers                    |            |               |      |
| LPG System           | Complete (swing back) type             |            |               |      |
|                      | Less tank type                         |            |               |      |
|                      | Less tank and bracket type             |            |               |      |
| Lights, Meters, etc. | Headlight with guard                   |            |               |      |
|                      | Rear working light                     |            |               |      |
|                      | Back-up buzzer                         |            |               |      |
|                      | Parking brake warning buzzer           |            |               |      |
|                      | Rear combination lights                |            |               |      |
|                      | Hour meter                             |            |               |      |
|                      | Water temperature meter                |            |               |      |
|                      | Torque converter oil temperature meter |            |               |      |
| Tires                | Speedometer                            |            |               |      |
|                      | J-lug tire (steel breaker)             |            |               |      |
|                      | J-lug tire (textile)                   |            |               |      |
|                      | U-lug tire                             | *          | *             | *    |
|                      | Pneumatic type solid tire              |            |               |      |
| Engine Control       | Spare tire                             |            |               |      |
|                      | Auto glow and auto stop system         |            |               |      |
|                      | Reduction starter                      |            |               |      |
|                      | Anti-restart system                    |            |               |      |
| Cabin                | Neutral-start system                   |            |               |      |
|                      | Steel cabin                            |            |               |      |
|                      | Canvas cabin                           |            |               |      |
| Operating Ease       | Windshield glass                       |            |               |      |
|                      | Heater                                 |            |               |      |
|                      | Rearview mirrors                       |            |               |      |
|                      | ORS seat with suspension               |            |               |      |
| Tools                | Rain guard                             |            |               |      |
|                      | Tool kit                               |            |               |      |

\*Front: J-lug (textile); rear: U-lug for 5.0-ton models.



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