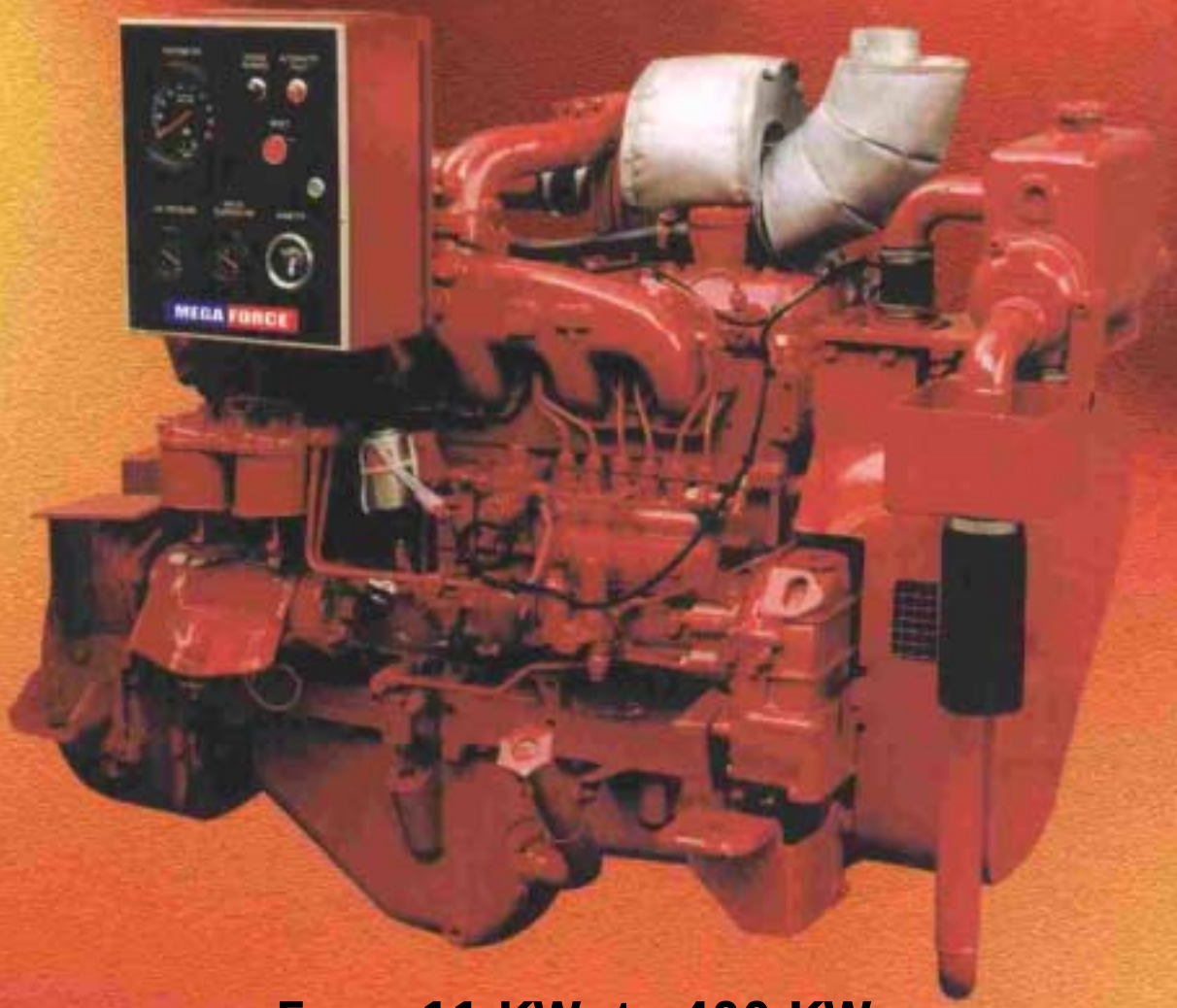
MEGA FORCE

MEGA FORCE®

Fire Fighting Engines



From 11 KW to 400 KW

MFS - SERIES

MFS-SERIES

Selection

Mega Force Diesel Engines has led the field in the design and manufacture of high-performance engines. Our continuous development programme, dedicated to furthering engine design, allows us to offer one of the most advanced and comprehensive ranges of diesel engines available today.

Ranging from 25 to 500 hp, the engines power different applications like the construction, power generation, materials handling, agricultural, fire fighting applications and general industrial markets.

Whether for construction machinery, material handling, agricultural, turf, or general industrial equipment or fire fighting applications, MF Series offers the ideal solution. Covering a power band of 25 – 500hp, of three, four and six cylinder, naturally aspirated and turbo charged engines Diesel engines, it is the engine of choice for equipment.

The benefits of improved productivity from increased power and torque, increased refinement from lower noise and harshness, and lower cost of ownership have made the MF Series a class leading and award winning product in the Diesel engine market.

TECHNICAL SPECIFICATIONS OF DIESEL ENGINE

Model	Type	No. of Cylinder	Bore*Stroke (inch)	Rated power/speed (hp/r.min)	Net weight (Kg)	Shaft
MF3D14	Vertical water-cooling, 4-stroke, direct-injection combustion chamber	3	3.15*3.54	25hp/3000	200	42mm
MF4D18		4	3.15*3.54	30hp/3000	210	42mm
MF4D22		4	3.15*3.54	40hp/3000	260	48mm
MF4D30(YD495)		4	3.78*4.13	60hp/3000	300	48mm
MF4D32		4	3.85*4.13	75hp/3000	310	60mm
MF4D42		4	4.02*4.65	85hp/3000	350	60mm
MF4D50		4	4.22*4.90	110hp/2900	400	60mm
MF6D58		6	4.02*4.65	140hp/3000	500	65mm
MF6D71		6	4.33*4.92	165hp/2900	650	65mm

Legend: NA - Naturally Aspirated T - Turbo Charged
Diesel Engines of higher capacities is available as per customer requirements.

GENERAL SPECIFICATION

BASIC ENGINE COMPONENTS

Flywheel Housing S.A.E.
Flywheel
Fire Resistant Fuel Pipes
Rigid Mounts
Fresh Water Circulating Pumps
Thermostat
Fuel Pumps Governor Rating 4.5% Rating
Fuel Lift Pump
Full Flow Fuel Filters
Full Flow Lub Oil Filters
Exhaust Manifold - Dry Type
Exhaust Manifold Adaptor
Dry Type Air Cleaner
Use And Maintenance Manual
Belt Guards
Flexible Engine Mounts - Where Applicable
Stop Lever

COOLING SYSTEM

Radiator
Heat Exchanger
Air Cooled

STARTING SYSTEM

Electric Starter Motor
Starter Solenoids - Auto

INSTRUMENTATION AND PROTECTION SYSTEM

Instrument Panel
Oil Pressure Gauge
Water Temperature Gauge
Starter Lock Out Module
Engine Running Lamp
Wiring Loom

EXHAUST SYSTEM

Exhaust Silencer
Flexible Exhaust Bellows
Flexible Exhaust Pipe
90 Deg. Bend

HSC Pump Coupled to 130 KW MEGA FORCE Diesel Engine

DESIGNED SPECIFICALLY FOR APPLICATION

MEGAFORCE Diesel Engines are specially tailored to meet the customers' specification and optimum performance, thus guaranteeing the product best suited to the application.
Engine Fuel Systems calibrated to specific power and speed requirements, ensure MEGAFORCE Diesel Engine for maximum efficiency.

NFPA 20 HSC Pump with 82 KW MEGAFORCE Diesel Engine

MFS - SERIES

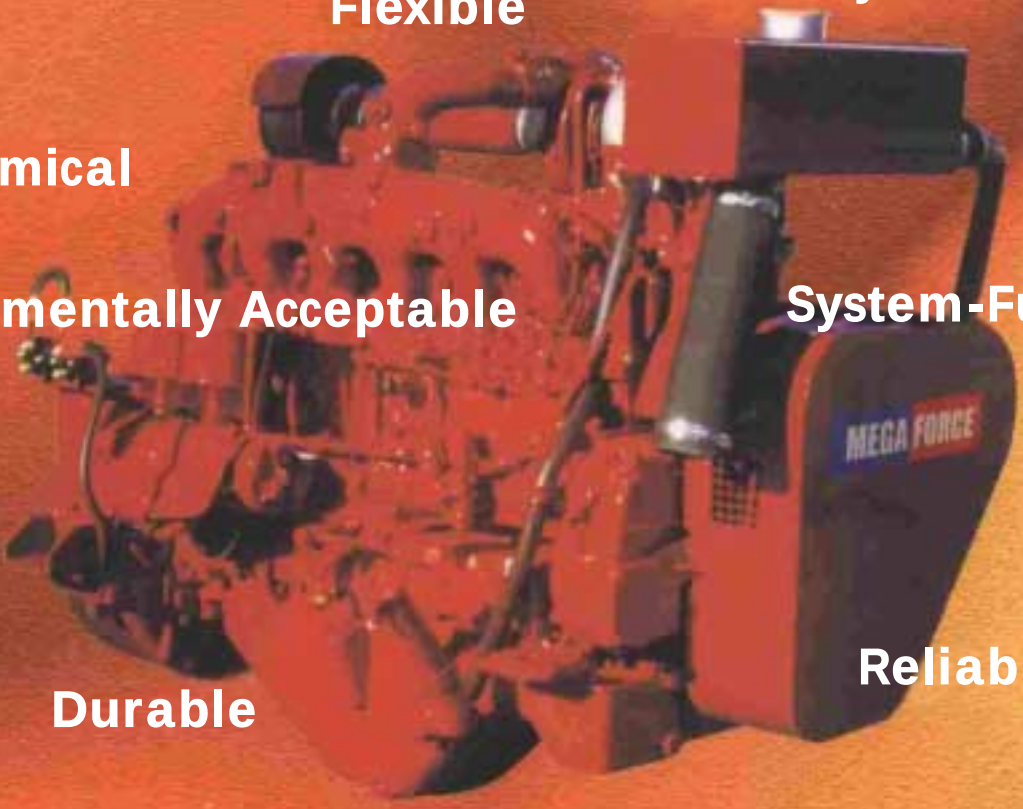
With a power range from 11 KW to 400 KW and running speeds desired to meet the requirements of approved pump ends, MEGAFORCE Diesel Engines are the most comprehensive engines in the world today.

MEGAFORCE Diesel Engines have long periods of idleness, coupled to routine testing at maximum speed and at times with no load, necessitates a power unit of exceptional qualities. The range offers from Small Cylinder Engine giving an output of 19 KW at 2900 RPM to a high powered configured engine of 400 KW. All power units are manufactured to comply with strict control procedures (ISO 9001) and fully tested against the applicable standards in line with client requirements.

MEGA FORCE

MEGAFORCE Diesel Engines has been developed and manufactured to meet 100% application requirements. The typical characteristics of high torque, maximum safety, reliability and ease of maintenance endorses the product as a world leader in fire fighting power units.

MEGAFORCE Diesel Engines set new standards in dependability and service life under most arduous conditions. They are heavy duty units which will run reliably for many years.



Easy to Service

Flexible

Economical

Environmentally Acceptable

System-Functional

Reliable

Durable

We reserve the right to change specifications without prior notice.

CAT. No. MFS/01/2000

NFPA

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DIESEL ENGINES AND EQUIPMENT

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