

# MITSUBISHI DIESEL ENGINE

# D03CJ-T

## 27kW

Model			D03CJ-T	
Specifications	Type		4-cycle, water-cooled, diesel	
			Turbo charged	
	Bore x Stroke (mm)		86 x 95	
	Cylinder arrangement		Inline 3 Cyl.	
	Total Displacement (L)		1.655	
	Combustion System		Common Rail - DI	
	Dry Weight - kg/lbs. (w/o DPF)		240kg / 529lbs	
	Starting System		12 Volt Electric	
	Fuel Oil		Diesel fuel oil (ASTM No. 2-D)	
Power Unit	Power Rating Output HP (kWm)	1500 rpm	25.5 (19)	
		1800 rpm	30.8 (23)	
		2000 rpm	33.5 (25)	
		2200 rpm	34.9 (26)	
		2500 rpm	36.2 (27)	



ECOSILENT ENGINE

"ECOSILENT ENGINE" REPRESENTS MHI'S PHILOSOPHY TO DEVELOP THE MOST ENVIRONMENTALLY-FRIENDLY ENGINE FOR ALL LIVES AND OUR EARTH.

## CONSTRUCTION:

- Ribbed thin-wall cast iron crankcase for added strength and durability
- Internal crankcase breather for reduced emissions
- Extra large bearing surfaces for low bearing loads and long life

## LUBRICATION:

- Designed to run at 20° degrees of inclination and includes a full flow spin-on cartridge filter
- Forced circulation by trochoid gear pump
- Oil Capacity: D03CJ: 6.7 ltr

## FUEL & COMBUSTION SYSTEMS:

- Bosch style common rail fuel system with ECU
- Direct injection combustion system for low noise and emissions
- Cylinder head is a pre-chamber design to increase efficiency of combustion

## MOUNTING:

- Standard crankcase side mounting pads for flexible mounting arrangements
- Rear engine support available from side mounting pads on SAE 5 housing

## COOLING:

- Forced circulation by centrifugal pump
- Cooling packages available for ambient temperatures up to 108°F (42°C)
- Cooling Fan (Std. Eqt.)

## ELECTRIC SYSTEM:

- Starter: 12V, 2.0kW
- Alternator: 12V, 50 amp with integral regulator
- Glow Plugs: 12V
- High water temperature and low oil pressure switches
- Stop Solenoid: 12V integrated ETR stop solenoid eliminates external linkage

## GOVERNING:

- Electronic governing is provided for variable speed

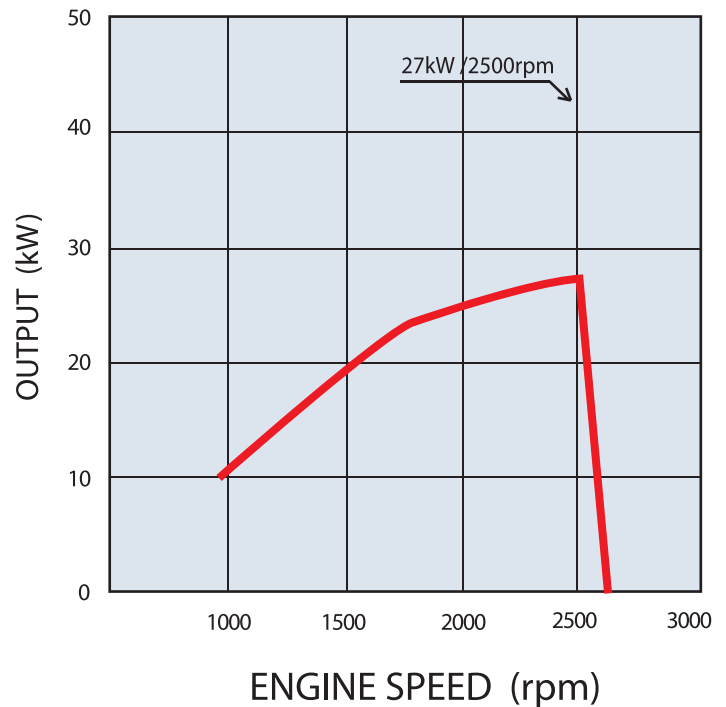
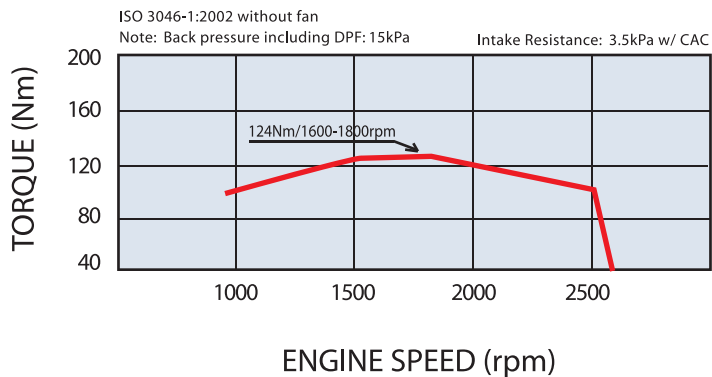
## DRIVES:

- SAE 5 flywheel housing and 7.5in SAE flywheel
- Rotation direction: counter-clockwise, facing the flywheel end
- Side PTO drives are available for mounting at the gear end

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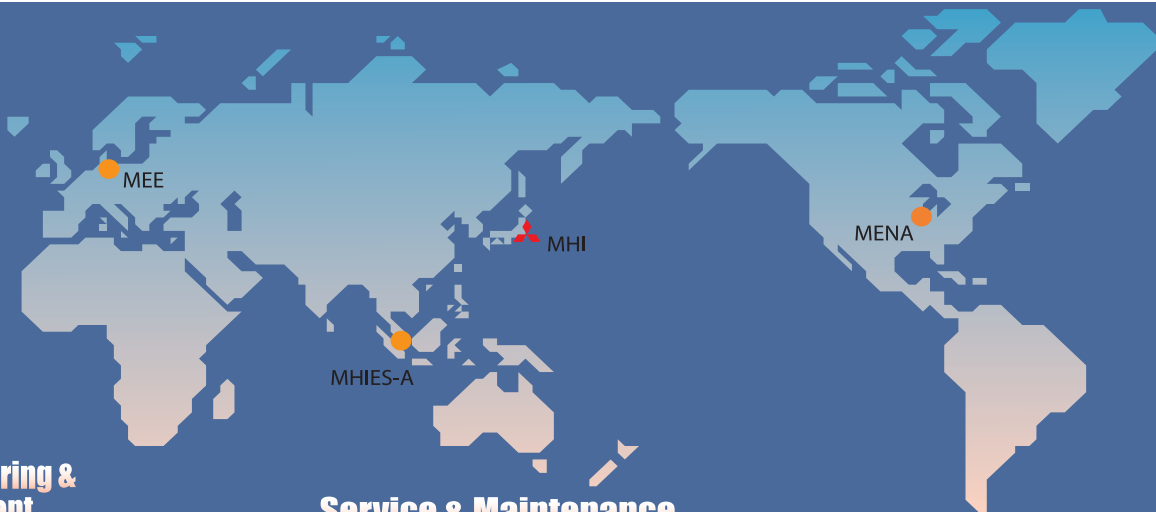
## D03CJ-T (27kW) Engine Technical Data

### PERFORMANCE CURVE



Mitsubishi reserves the right to change technical specifications without prior notification.

## MITSUBISHI NETWORK



### Manufacturing & Development



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