

MITSUBISHI DIESEL ENGINE

D03CJ-T-CAC

31kW

Model		D03CJ-T-CAC	
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)	235kg / 518lbs	
	Starting System	12 Volt Electric	
	Fuel Oil	Diesel fuel oil (ASTM No. 2-D)	
Power Unit	Power Rating Output HP (kWm)	1500 rpm	29.5 (22)
		1800 rpm	37.5 (28)
		2000 rpm	38.9 (29)
		2200 rpm	40.4 (30.1)
		2500 rpm	41.6 (31)



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. Eq.): Variable Speed (VS)--Suction

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

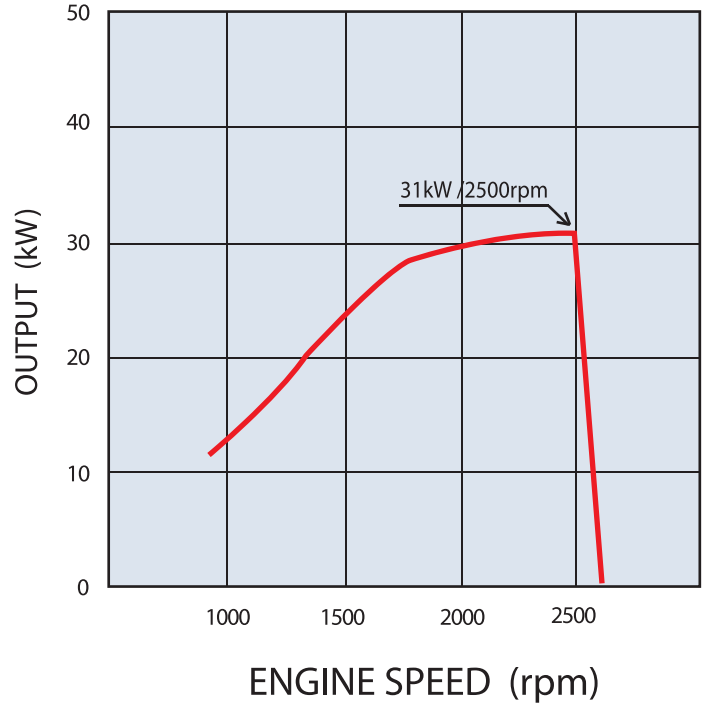
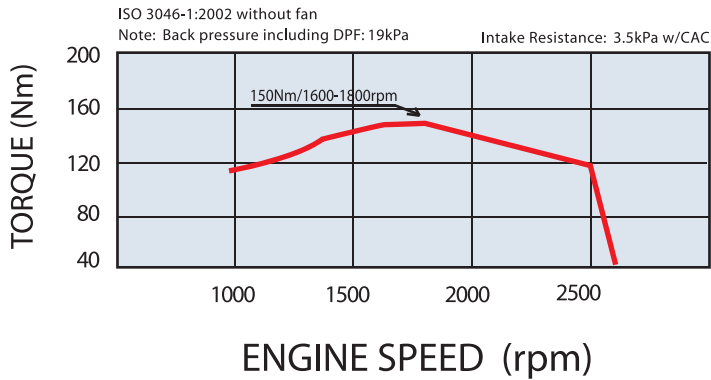
DRIVES:

- 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-CAC (31kW) Engine Technical Data

PERFORMANCE CURVE



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

MITSUBISHI NETWORK



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Service & Maintenance



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