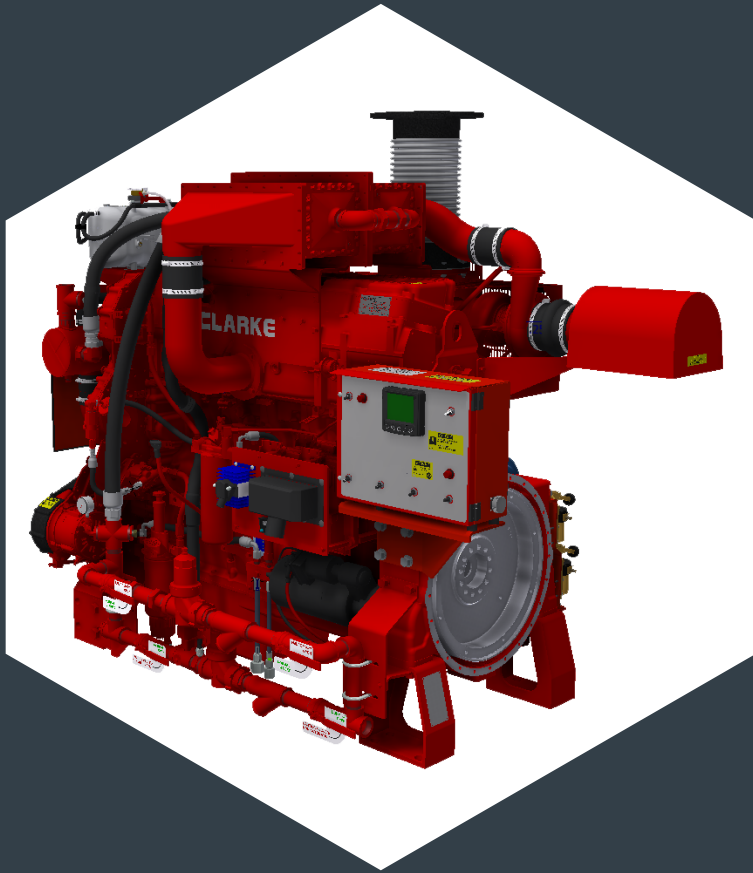


# CAT18

## 1470-2100 RPM

### 460-800 BHP / 343-596 kW



### MODEL OVERVIEW

Introducing the new CAT18 engine series, assembled by Clarke. Available for installations globally, Clarke's CAT18 engines meet US EPA 40 CFR Subpart 60 Requirements.

The CAT18 engine series is UL Listed and FM Approved and designed in accordance to NFPA 20.

### APPLICATIONS

The CAT18 engine series is designed for high volume pumping applications such as:

- Oil and Gas Refineries
- Mining Operations
- Manufacturing Plants
- Power Plants
- Campus style work environments

### NEW FEATURES

Clarke's CAT18 engines include:

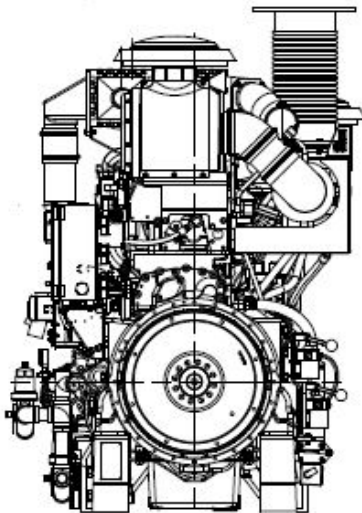
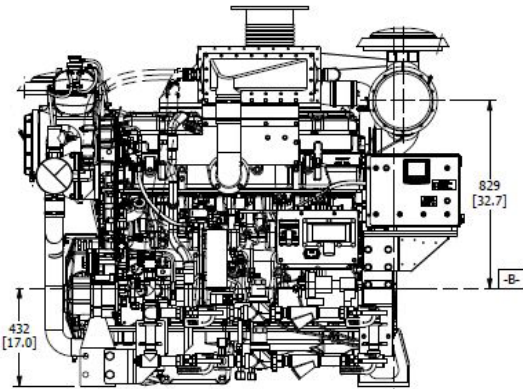
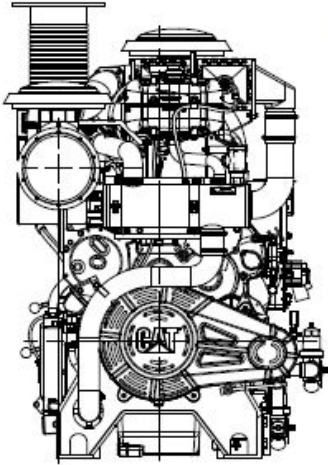
- Soft start - An electrical switch designed to test the initial engine commissioning, allowing the engine to run at idle.
- New digital display gauge - This new 6 up display will show RPM, engine temperature, oil pressure, engine hours and will display voltage for battery sets #1 and #2.



### RATED SPEED

BHP / kW	1470		1760		1900		2100	
			<b>460</b>	343	<b>488</b>	363	<b>488</b>	363
			<b>510</b>	380	<b>525</b>	391	<b>525</b>	391
			<b>542</b>	404	<b>575</b>	429	<b>575</b>	429
			<b>600</b>	447	<b>600</b>	447	<b>600</b>	447
			<b>650</b>	485	<b>650</b>	485	<b>650</b>	485
			<b>687</b>	512				
	<b>700*</b>	522*	<b>700</b>	522	<b>700</b>	522	<b>700</b>	522
			<b>755</b>	563	<b>755</b>	563	<b>755</b>	563
			<b>800</b>	596	<b>800</b>	596	<b>800</b>	596

\*CAT18H0-UFAA147-700 rated at 700bhp@ 1470 RPM is Tier 0



EQUIPMENT	STANDARD	OPTIONAL
Air Cleaner with Air Differential Gauges	Direct Mounted, Washable, Indoor Service with Drip Shield	Disposable, Drip Proof, Indoor Service Outdoor Type, Single or Two Stage
Alarm	Overspeed Alarm & Shutdown, Low Oil Pressure, Low & High Coolant Temperature, Low Raw Water Flow, High Raw Water Temperature, Alternate ECM Warning, Fuel Injection Malfunction, ECM Warning and Failure with Automatic Switching	Low Coolant Level, Low Oil Level, Oil Filter Differential Pressure, Fuel Filter Differential Pressure, Air Filter Restriction
Alternator	24V-DC, 50 Amps with V-Belt and Guard	
Coupling	Bare Flywheel	Driveshaft and Guard
Engine Heater	230V-AC, 3500 Watt	
Exhaust Flex Connection	SS Flex. 150# ANSI Flanged Connection. 8"	SS Flex. 150# ANSI Flanged Connection. 10"
Exhaust Protection	Metal Guard on Manifold and Turbocharges	
Flywheel Housing	SAE #1	
Flywheel Power Take Off	14" SAE Industrial Flywheel Connection	
Fuel Connections	Fire Resistant Supply and Return Lines	SS, Braided, cUL Listed, Supply and Return Lines
Fuel Filter	Primary Filter / Water Separator with Priming Pump, Secondary Filter	
Fuel Injection System	Unit Injector	
Governor, Speed	Electronic, Dual Electronic Engine Control Modules	
Heat Exchanger	Shell and Tube Type, 60 PSI (4 Bar), NPT (F) Connections - Sea Water Compatible	
Instrument Panel	NEMA Type 2, Powder Coated Steel Construction, Multimeter to Display English and Metric, Tachometer, Hour meter, Water Temperature, Oil Pressure, and Dual Voltmeters, Front Opening	316 Stainless Steel NEMA 4X/ IP66
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller	
Lube Oil Cooler	Jacket Water Cooled, Shell and Tube Type	
Lube Oil Filter	Full Flow, Dual Element	
Lube Oil Pump	Gear Driven, Gear Type	
Manual Start Control	Dual Manual Start Contactors & On Instrument Panel with Control Position Warning Light	
Overspeed Control	Electronic, Factory Set	
Raw Water Cooling Loop w/ Alarms	Galvanized	Seawater, All 316 SS, High Pressure
Raw Water Solenoid Operation	Automatic from Fire Pump Controller and from Engine Instrument Panel (for Horizontal Fire Pump Applications)	
Run - Stop Control	On Instrument Panel with Control Position Warning Light	
Starters	One (1) 24V-DC	
Throttle Control	Adjustable Speed Control by Increase/Decrease Button, Tamper Proof Adjustable Speed Control	
Water Pump	Centrifugal Type, Gear Driven	

## MODEL NOMENCLATURE

CAT18H0-UFAD176-0600

