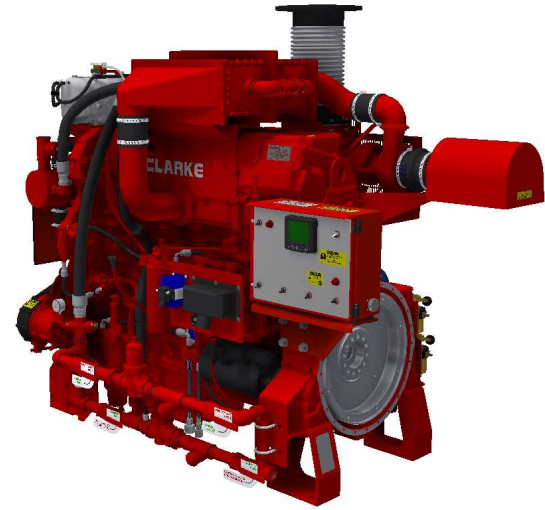


UL/FM - cUL APPROVED RATINGS BHP/kW

C18H0 MODEL	RATED SPEED				EMISSIONS	
	1470	1760	1900	2100		
UFAD12*	450	335			EPA Tier 3 Certified	
UFAD18		460	343		EPA Tier 3 Certified	
UFAD22*	475	354			EPA Tier 3 Certified	
UFAD10			488	364	488 364	EPA Tier 3 Certified
UFAD32*	491	366			EPA Tier 3 Certified	
UFAD28		510	380		EPA Tier 3 Certified	
UFAD20			525	392	525 392	EPA Tier 3 Certified
UFAD38		542	404		EPA Tier 3 Certified	
UFAD42	570	425			EPA Tier 3 Certified	
UFAD30			575	429	575 429	EPA Tier 3 Certified
UFAD48		600	447		EPA Tier 3 Certified	
UFAD40			600	447	600 447	EPA Tier 3 Certified
UFAD58		650	485		EPA Tier 3 Certified	
UFAD50			650	485	650 485	EPA Tier 3 Certified
UFAD68		687	512		EPA Tier 3 Certified	
UFAA78	700	522			Non-Emissionized	
UFAD78		700	522		EPA Tier 3 Certified	
UFAD70			700	522	700 522	EPA Tier 3 Certified
UFAC18		755	563		EPA Tier 2 Certified	
UFAC10			755	563	755 563	EPA Tier 2 Certified
UFAC28		800	596.5		EPA Tier 2 Certified	
UFAC20			800	596.5	800 596.5	EPA Tier 2 Certified



◆ All Models are available for export

*Utilizes a single turbo base engine.

ENGINE SPECIFICATIONS

Number of Cylinders	6
Aspiration	TRWA
Rotation*	CW
Overall Dimensions - in. (mm)	66.1(1678) H X 79.6(2022) L X 45.2(1147) W
Crankshaft Centerline Height - in. (mm)	17.0 (432)
Weight - lb (kg)	4100 (1860)
Compression Ratio	16.3:1
Displacement - cu. in. (l)	1104 (18.1)
Engine Type	4 Stroke Cycle - Inline Construction

Abbreviations: TRWA - Turbocharged and Raw Water Aftercooled CW - Clockwise

*Rotation viewed from Heat Exchanger / Front of engine

CERTIFIED POWER RATING

- Each engine is factory tested to verify power and performance

ENGINE RATINGS BASELINES

- Engines are to be used for stationary emergency standby fire pump service only. Engines are to be tested in accordance with NFPA 25.
- Engines are rated at standard SAE conditions of 29.61 in. (752.1 mm) 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing laboratory (see SAE Standard J 1349).
- A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m)
- A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature.



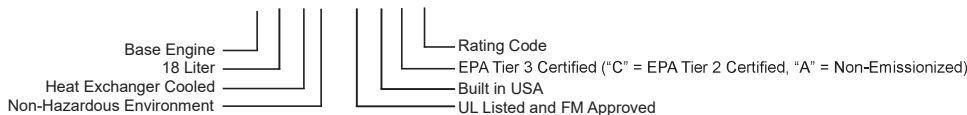
ENGINE EQUIPMENT

EQUIPMENT	STANDARD	OPTIONAL
Air Cleaner with Air Differential Gauge	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
Crankcase Ventilation		Crankcase Breather
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 Resistent 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	Serviceable 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, Soft Start for Commissioning	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	

Abbreviations: DC - Direct Current, AC - Alternating Current, SAE - Society of Automotive Engineers, BSP(F) - British Standard Pipe Thread (Female), SS - Stainless Steel

MODEL NOMENCLATURE (11 Digit Models)

C18H0-UFAD78



Specifications and information contained in this brochure is subject to change without notice.