

UL/FM - cUL APPROVED RATINGS BHP/kW

C32H0 MODEL	RATED SPEED							
	1470		1760		1900		2100	
UFAC18	750	559	850	633				
UFAC10					850	633	850	633
UFAC28	760	566	925	689				
UFAC20					925	689	925	689
UFAC38	825	615	1000	745				
UFAC30					1000	745	990	738
UFAC48	900	671	1090	812				
UFAC40					1090	812	1090	812
UFAC58	980	730	1140	850				
UFAC50					1120	835	1120	835
UFAC68	1079	804	1200	895				
UFAC60					1200	895	1200	895

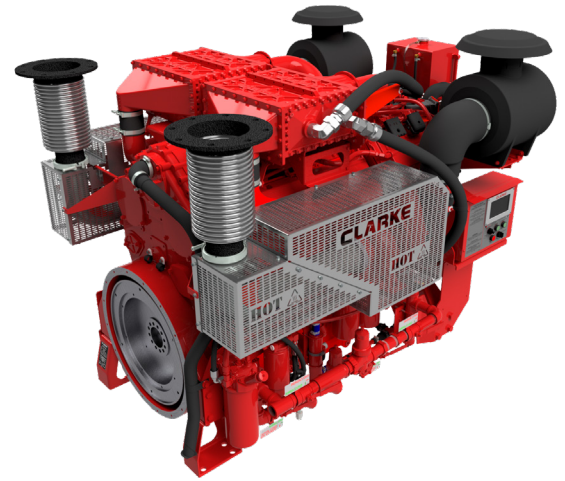


Image shown represents a C32H engine model

◆ All Models are suitable for installations in the US and US territories and for export.

*All Models are EPA Tier 2 Certified.

ENGINE SPECIFICATIONS	
Number of Cylinders	12
Aspiration	Twin TRWA
Rotation*	CW
Overall Dimensions - in. (mm)	L 83.15" (2112) x H 65.82" (1672) x W 63.93" (1624)
Crankshaft Centerline Height - in. (mm)	17.0 (432)
Weight - lb (kg)	7200 (3265)
Compression Ratio	16.5:1
Displacement - cu. in. (l)	1959 (32.1)
Engine Type	4 Stroke Cycle - Vee

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
- FM-UL power ratings are shown at specific speeds. Clarke engines can be applied at a single rated RPM setting +/- 50 RPM.



ENGINE RATINGS BASELINES

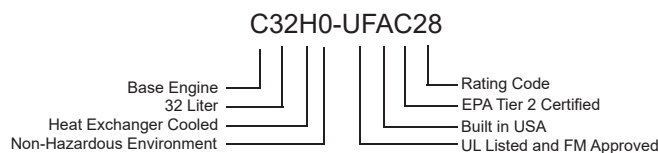
- Engines are to be used for stationary emergency standby fire pump service only. Engines are to be tested in accordance with NFPA 25.
- Engines are rated at standard SAE conditions of 29.61 in. (752.1 mm) 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing 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	Single Stage, Plastic housing, Differential gauge, 1 stage filtration (Qty 2)	Two Stage, Plastic housing, Differential gauge, 2 stage filtration (pre-cleaner and filter) (Qty 2)
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 Level - Coolant and Oil Differential Pressure - Oil, Fuel, Air Temperature - Oil
Alternator	24V-DC, 50 Amps with V-Belt and Guard	
Coupling	Bare Flywheel	Driveshaft and Guard
Crankcase Breather	Open crankcase ventilation hose	
Engine Heater	230V-AC, 2500 Watt	
Exhaust Flex Connection	SS Flex. 150# ANSI Flanged Connection. 8" (Qty 2)	SS Flex. 150# ANSI Flanged Connection. 10" (Qty 2)
Exhaust Protection	Metal Guard on Manifold and Turbochargers	
Flywheel Housing	SAE #0	
Flywheel Power Take Off	14" and 18" SAE Industrial Flywheel Connections (model number specific)	
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, Fresh Water Only	Serviceable 90/10 CuNi Sea Water Compatible (Provided with optional sea water, 316 stainless steel or 90/10 CuNi cooling loop)
Instrument Panel	Standard NEMA Type 4 (IP66) touch screen panel with digital tachometer, hour meter, water temperature, oil pressure and voltmeter gauges. Front Opening. <i>Note: Some models may include powerview display in place of TSP-E</i>	Stainless Steel NEMA Type 4X (IP66) touch screen panel with digital tachometer, hour meter, water temperature, oil pressure and voltmeter gauges. Front Opening.
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, 90/10 CuNi, 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	
Starter	One (1) 24V-DC	Hydraulic, Pneumatic
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)



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