

FM-UL-cUL APPROVED RATINGS BHP/KW

DT2H MODEL ◆ λ	RATED SPEED			
	1470	1760	1900	2100
DT2H-UFAA20		700 522		700 522
DT2H-UFAA58	700 522			
DT2H-UFAA50		800 596.5	800 596.5	800 596.5
DT2H-UFAA88		875 652.5		



◆ All Models are available for Export

λ = Non-Emissionized

SPECIFICATIONS

ITEM	DT2H MODELS			
	UFAA20	UFAA58	UFAA50	UFAA88
Number of Cylinders	12			
Aspiration	TRWA			
Rotation*	CW			
Overall Dimensions – in. (mm)	70.1 (1781) H x 69.4 (1762) L x 57.1 (1450) W			
Crankshaft Centerline height – in. (mm)	23.5 (597)			
Weight – lb (kg)	4500 (2040)			
Compression Ratio	15:1			
Displacement – cu. in. (l)	1338 (21.9)			
Engine Type	4 Cycle, 2 Valves per Cylinder, Vee			4 Cycle, 4 Valves per Cylinder, Vee
Bore & Stroke – in. (mm)	5.04 x 5.59 (128 x 142)			
Installation Drawing	D686			
Wiring Diagram AC	C07651			
Wiring Diagram DC	C071842			
Speed Interpolation	None			

Abbreviations: CW – Clockwise TRWA – Turbocharged with Raw Water Aftercooling L – Length W – Width H - Height

*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) Hg barometer and 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	Direct Mounted, Washable, Indoor Service with Drip Shield	Disposable, Drip Proof, Indoor Service Outdoor Type, Single or Two Stage (Cyclonic)
Alarms	Overspeed Alarm & Shutdown, Low Oil Pressure, Low & High Coolant Temperature, High Raw Water Flow, High Raw Water Temperature	Low Coolant Level, Low Oil Level, Oil Filter Differential Pressure, Fuel Filter Differential Pressure, Air Filter Restriction
Alternator	24V-DC, 45 Amps with Dual (2) V-Belt Drive with Guard	
Coupling	Bare Flywheel	Falk Coupling; Non-Listed Driveshaft; Vertical Turbine Drivedisc
Engine Heater	230V-AC, 3500 Watt	
Exhaust Flex Connection	Dual (2) SS Flex, 150# Flange Connection, 6"	Dual (2) SS Flex, 150# Flange Connection, 8"
Exhaust Protection	Blankets	
Flywheel Housing	SAE #1	
Flywheel Power Take Off	14.0" Industrial Flywheel Connection	
Fuel Connections	Fire Resistant, Flexible, USA Coast Guard Approved, Supply and Return Lines	
Fuel Filter	Primary	
Fuel Injection System	Direct Injection, Inline Pump	
Fuel Solenoid	24V-DC Energized to Stop	
Governor, Speed	Variable Speed, Mechanical	
Heat Exchanger	Tube and Shell Type, 60 PSI (4 BAR), NPT(F) Connections – Sea Water Compatible	
Instrument Panel	Tachometer, Hourmeter, Water Temperature, Oil Pressure and Two (2) Voltmeters, Front Opening	
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller	
Lube Oil Cooler	Engine Water Cooled, Plate Type	
Lube Oil Filter	Full Flow with By-Pass Valve	
Lube Oil Pump	Gear Driven, Gear Type	
Manual Start Control	On Instrument Panel with Control Position Warning Light	
Overspeed Control	Electronic with Reset and Test on Instrument Panel	
Raw Water Cooling Loop – w/ Alarms	Galvanized	Sea Water, All 316SS, High Pressure
Raw Water Cooling Loop - Solenoid Operation	Automatic from Fire Pump Controller and from Engine Instrument Panel (for Horizontal Fire Pump Applications)	Not Supplied (for Vertical Turbine Fire Pump Applications)
Run – Stop Control	On Instrument Panel with Control Position Warning Light	
Starters	One (1) 24V-DC with Two (2) Start Contactors	
Throttle Control	Adjustable Speed Control, Tamper Proof	
Water Pump	Centrifugal Type, Dual (2) V-Belt Drive with Guard	

Abbreviations: DC – Direct Current, AC – Alternating Current, SAE – Society of Automotive Engineers, NPT(F) – National Pipe Tapered Thread (Female), SS – Stainless Steel

MODEL NOMENCLATURE (10 Digit Models)

