

MTT Fire Pump Model Listings and Ratings

Standard International Classifications for FiFi Fire Pump Units

FiFi Class Compliance	FiFi 2	FiFi 2	FiFi 1	FiFi 1/2 (No Int'l Class)	Note: All MTT specifications below are general. New packages built by MTT embody various product improvement and custom features which result in improved performance, smaller footprint and lighter weights.
Water Volume Delivery	7,200 m ³ /h	7,200 m ³ /h	2,400 m ³ /h		
Monitor Quantity	Three to Four	Three to Four	Two Minimum		
Water Throw	150 Meters (500 Feet)	150 Meters (500 Feet)	120 Meters (400 Feet)		
Water Height	70 Meters (230 Feet)	70 Meters (230 Feet)	45 Meters (148 Feet)		
Monitor Controls from Wheelhouse	Remote, Electronic	Remote, Electronic	Remote, Electronic		

Standard MTT Classifications for Fire Pump Units (Fifed Compliance)

MTT FIRE PUMP MODELS	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FiFi Rig Pack (5,285 GPM) - 80 Foot Lift (24M) FiFi 1/2 - Includes Hydraulic Package, Submersible Suction Pump and All Accessories
MTT Units Required to Meet FiFi Class Compliance	Two (2) Units Equal FiFi 2	Four (4) Units Equal FiFi 2	One (1) Unit Equals FiFi 1	One (1) Unit Equals 1/2 FiFi	One (1) Unit Equals 1/2 FiFi
FiFi Class Compliance	FiFi 2	FiFi 2	FiFi 1	FiFi 1/2	FiFi 1/2
Water Volume Total Delivery Required to Reach FiFi Class	7,200 m ³ /h	7,200 m ³ /h	2,400 m ³ /h	1,200 m ³ /h	1,200 m ³ /h
Monitor Quantity Minimum Required to Reach FiFi Class	Four	Four	Two	One	One
Water Throw	150 Meters (500 Feet)	150 Meters (500 Feet)	120 Meters (400 Feet)	120 Meters (400 Feet)	120 Meters (400 Feet)
Water Height	70 Meters (230 Feet)	70 Meters (230 Feet)	45 Meters (148 Feet)	45 Meters (148 Feet)	45 Meters (148 Feet)
Monitor Controls from Wheelhouse	Remote, Electronic	Remote, Electronic	Remote, Electronic	Remote, Electronic	Remote, Electronic

Engine Configuration	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Gas Turbine	2 ea. Lycoming T-53's	1 ea. Lycoming T-53	1 ea. Lycoming T-53	1 ea. Lycoming T-53	1 ea. Lycoming T-53
Horsepower at ISO	1,400 HP ea.	1,400 HP	1,400 HP	1,400 HP	1,400 HP
Engine to Pump Coupling - Falk	✓	✓	✓	✓	✓
Fuels - Diesel, Kerosene & Jet	✓	✓	✓	✓	✓
Air Cooled w/On-Board Oil Cooler	✓	✓	✓	✓	✓
Mechanical Fuel Pump	✓	✓	✓	✓	✓
12/24V Electrical w/Charger	✓	✓	✓	✓	✓
Oil, Fuel and Air Filtration	✓	✓	✓	✓	✓
Full Digital or Analog Controls Package	✓	✓	✓	✓	✓
High Temp & Low Oil Pres. Alarm	✓	✓	✓	✓	✓
Over-Speed Governor Control	✓	✓	✓	✓	✓

Pump Configuration	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Split Case Centrifugal with Cast Iron Case	Aurora Pump (or Equivalent)	Aurora Pump (or Equivalent)	Aurora Pump (or Equivalent)	Aurora Pump (or Equivalent)	Aurora Pump (or Equivalent)
Pump Quantity Required Per Unit	Two (2)	One (1)	One (1)	One (1)	One (1)
Pump Flow and Pressure	3,634 m ³ /h @ 150 - 180 PSI	1,800 m ³ /h @ 150 - 180 PSI	2,400 m ³ /h @ 150 - 180 PSI	1,200 m ³ /h @ 150 - 180 PSI	1,200 m ³ /h @ 150 - 180 PSI
Suction & Discharge	16" Suction, 10" Discharge	16" Suction, 10" Discharge	16" Suction, 10" Discharge	16" Suction, 10" Discharge	16" Suction, 10" Discharge
Suction Manifold	One (1) ea., 16 per Pump	Six (6) ea., Six Inch Flex Lines	Six (6) ea., Six Inch Flex Lines	Five (5) ea., Six Inch Flex Lines	Five (5) ea., Six Inch Flex Lines
Suction Configuration	Vertical, Above or Below Deck	Horizontal, Deck Mounted	Horizontal, Deck Mounted	Horizontal, Deck Mounted	Horizontal, Deck Mounted
Foot Valves - As Required	✓	✓	✓	✓	✓
Maximum Vertical Lift - Suction Entry to Pump	4.5 Meters (15 Feet)	4.5 Meters (15 Feet)	4.5 Meters (15 Feet)	4.5 Meters (15 Feet)	4.5 Meters (15 Feet)
Speed	1,800 RPM, Stainless Shaft	1,800 RPM, Stainless Shaft	1,800 RPM, Stainless Shaft	1,800 RPM, Stainless Shaft	1,800 RPM, Stainless Shaft

Skid Configuration	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Above Deck or Below Deck	Both	Both	Both	Both	Both
Skid Construction	Heavy Duty Steel	Heavy Duty Steel	Heavy Duty Steel	Heavy Duty Steel	Heavy Duty Steel
Engine Noise Attenuation	✓	✓	✓	✓	✓
Blast Proof Lighting and Circuitry	✓	✓	✓	✓	✓
Sealed Access Door	✓	✓	✓	✓	✓
Anti-Slip Surfaces	✓	✓	✓	✓	✓
Recessed Roof Ladder and Safety Railings	✓	✓	✓	✓	✓
Air Inlet with Spray Deflectors	✓	✓	✓	✓	✓
Pump is Mounted to Engine Output Shaft w/Flex Coupling / Drive Adapter	✓	✓	✓	✓	✓
Lifting Hooks at the Four Upper Corners	✓	✓	✓	✓	✓
Milspec 12V Gel Batteries are Rack Mount w/Perko Switch	✓	✓	✓	✓	✓
Watertight Breaker w/Ext. Resets	✓	✓	✓	✓	✓
Insulated Stainless Steel Exhaust w/Roof Discharge & 2" Insulated Ceramic Blanket	✓	✓	✓	✓	✓
Manual Roof Cover	✓	✓	✓	✓	✓
Requires 480V, 3 Phase Power	✓	✓	✓	✓	✓
Yellow Interior and Exterior Finish	✓	✓	✓	✓	✓

Fuel System	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Fuel Tank (per Specific Application)	Per Specific Application	Per Specific Application	Per Specific Application	Per Specific Application	Per Specific Application
Mechanical Fuel Pump for Turbine	✓	✓	✓	✓	✓
Electric Fuel Priming Pump	✓	✓	✓	✓	✓
1" Fuel Supply Line	✓	✓	✓	✓	✓
Fuel / Water Separation and Filtration	✓	✓	✓	✓	✓
Access Pipes for Supply Lines Located in Side of Container	✓	✓	✓	✓	✓

Monitors	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Water Delivery	3,634 m ³ /h at 150 Meters (500 Ft)	1,800 m ³ /h at 150 Meters (500 Ft)	2,400 m ³ /h at 120 Meters (400 Ft)	1,200 m ³ /h at 120 Meters (400 Ft)	1,200 m ³ /h at 120 Meters (400 Ft)
Control - Wireless or Cable for Engine / Monitor Remote Boxes	100 Feet of Cable	100 Feet of Cable	100 Feet of Cable	100 Feet of Cable	100 Feet of Cable
Monitor QTY Required Per Unit	Two (2)	One (1)	Two (2)	One (1)	One (1)
Monitor Type	Stang 8" Electric Super Low Pro	Stang 8" Electric Super Low Pro	Stang 8" Electric Super Low Pro	Stang 6" Electric Super Low Pro	Stang 6" Electric Super Low Pro
Foam Capabilities	✓	✓	✓	✓	✓

Installation and Shipping	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
MTT Test Run Prior to Shipping	✓	✓	✓	✓	✓
MTT Provides a 2" Valve Inlet to Allow Sea Water to Prime Pump	✓	✓	✓	✓	✓
MTT Provides ABS Statement of Fact	✓	✓	✓	✓	✓
MTT Provides Installation Services on a Time and Materials Basis	✓	✓	✓	✓	✓
Customer Supplies Mounting of Unit to Vessel	✓	✓	✓	✓	✓
Customer Supplies 480V, 3 Phase Power to Unit	✓	✓	✓	✓	✓
FOB MTT Facility - Franklin, LA	✓	✓	✓	✓	✓

Approximate Dimensions	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Length	2.54 Meters (8 Feet, 4 Inches)	4.12 Meters (13 Feet, 6 Inches)	4.12 Meters (13.6 Feet)	4.12 Meters (13 Feet, 6 Inches)	4.12 Meters (13 Feet, 6 Inches)
Width	2.90 Meters (9 Feet, 6 Inches)	1.83 Meters (6 Feet)	1.83 Meters (6 Feet)	1.83 Meters (6 Feet)	1.83 Meters (6 Feet)
Height	2.2 Meters (7 Feet, 3 Inches)	3.66 Meters (12 Feet)	3 Meters (10 Feet)	3.0 Meters (10 Feet)	3.0 Meters (10 Feet)
Weight Dry	6,803 Kilos (15,000 lbs)	5,743 Kilos (12,660 lbs)	6,804 Kilos (15,000 lbs.)	5,216 Kilos (11,500 lbs.)	5,216 Kilos (11,500 lbs.)

Payment and Availability	MTT FP - 16000 (16,000 GPM) FiFi 2	MTT FP - 8000 (8,000 GPM) FiFi 2	MTT FP - 10600 (10,600 GPM) FiFi 1	MTT FP - 5285 (5,285 GPM) FiFi 1/2	MTT FP - 5285 (5,285 GPM) FiFi 1/2
Price Per Unit	\$ _____ USD	\$ _____ USD	\$ _____ USD	\$ _____ USD	\$ _____ USD
Units Req'd to Reach FiFi Class	Two (2) Units for FiFi 2	Four (4) Units for FiFi 2	One (1) Unit for FiFi 1	One (1) Unit for 1/2 FiFi	One (1) Unit for 1/2 FiFi
Total Price	\$ _____ USD	\$ _____ USD			
Terms of Payment	50% at Order, 50% When Shipped	50% at Order, 50% When Shipped	50% at Order, 50% When Shipped	50% at Order, 50% When Shipped	50% at Order, 50% When Shipped
Production Lead Time ARO	12 - 16 Weeks	12 - 16 Weeks	12 - 16 Weeks	12 - 16 Weeks	12 - 16 Weeks
MTT Substitution of Components Allowed Prior to Order Acceptance	✓	✓	✓	✓	✓

Configuration Changes

The Above are MTT's Standard Configurations and are subject to change at any time. Any customer additions or deletions to the Specification will require MTT engineering approval and a Price Adjustment.

Note: FiFi 2 Compliance Requirement if for DNV Regulations:

(1) Monitor Qty: Two. (2) Water Throw: 180 Meters (590 ft). (3) Water Height: 110 Meters (360 ft).

* New Generation Airboat under construction. All specifications and performance ratings are estimated at the current time.