



**Model FP447-LA**

## Rating BHP (KW)

Use Only for Stand By Fire Pump Applications			
FP 447 Model	Operating Speed (rpm)		
	1500	1800	2100
FP 447-LAEX	445 <i>(332)</i>	510 <i>(380)</i>	560 <i>(418)</i>
FP 447-LAE	415 <i>(309)</i>	470 <i>(350)</i>	495 <i>(369)</i>
FP 447-LA	380 <i>(283)</i>	430 <i>(321)</i>	450 <i>(335)</i>
FP 447-A	300 <i>(224)</i>	350 <i>(261)</i>	370 <i>(276)</i>

## Specifications

Item	FP447 Model			
	FP447-LAEX	FP447-LAE	FP447-LA	FP447-A
Number/Cylinders	06 in line	06 in line	06 in line	06 in line
Displacement (L)	12	12	12	12
Aspiration	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler	Turbo Charged
Bore & Stroke(mm)	128/155	128/155	128/155	128/155
Rotation	Clockwise	Clockwise	Clockwise	Clockwise
Engine Type	4 Cycle	4 Cycle	4 Cycle	4 Cycle
Weight (Kg)	1100	1080	1080	1040
Basic Engine Series	Mercedes-Benz OM-447	Mercedes-Benz OM-447	Mercedes-Benz OM-447	Mercedes-Benz OM-447

## Engine Equipment

<b>Air Cleaner</b>	Disposable, Drip Proof or Direct Mounted Washable, (Both Indoor Service)
<b>Alternator</b>	24VDC, 80 Amps-Belt Guard
<b>* Coupling</b>	Centaflex D
<b>Flywheel Housing</b>	S.A.E. #1
<b>Fuel Filter</b>	Primary Filter-Priming Pump
<b>Fuel Injection System</b>	Bosch-Direct Injection
<b>* Engine Heater</b>	220VAC-2500 Watts
<b>Heat Exchanger</b>	Tube & Shell Type
<b>Intercooler (447LA &amp; 447LAE)</b>	Tube & Radiator Sheet Type
<b>Water Pump</b>	Belt Driven, Centrifugal Type

<b>* Instrument Panel</b>	Analogic Gauges (Panel): Tachometer, Hourmeter, Water Temperature, Oil Pressure, Voltmeter
<b>* Junction Box</b>	Integral w/ Instruments Panel, for DC Electric Harness to Engine Controller
<b>* Manual Start Control</b>	On Instruments Panel
<b>* Throttle Control</b>	Adjustable Speed Control by Button at Panel
<b>Engine Starter</b>	One (1) 24VDC with Auxiliary Start Relay
<b>Lube Oil Cooler</b>	Engine Water Cooled, Plate Type
<b>Lube Oil Filter</b>	Full Flow with By-Pass Valve
<b>Lube Oil Pump</b>	Gear Driven - Gear Type

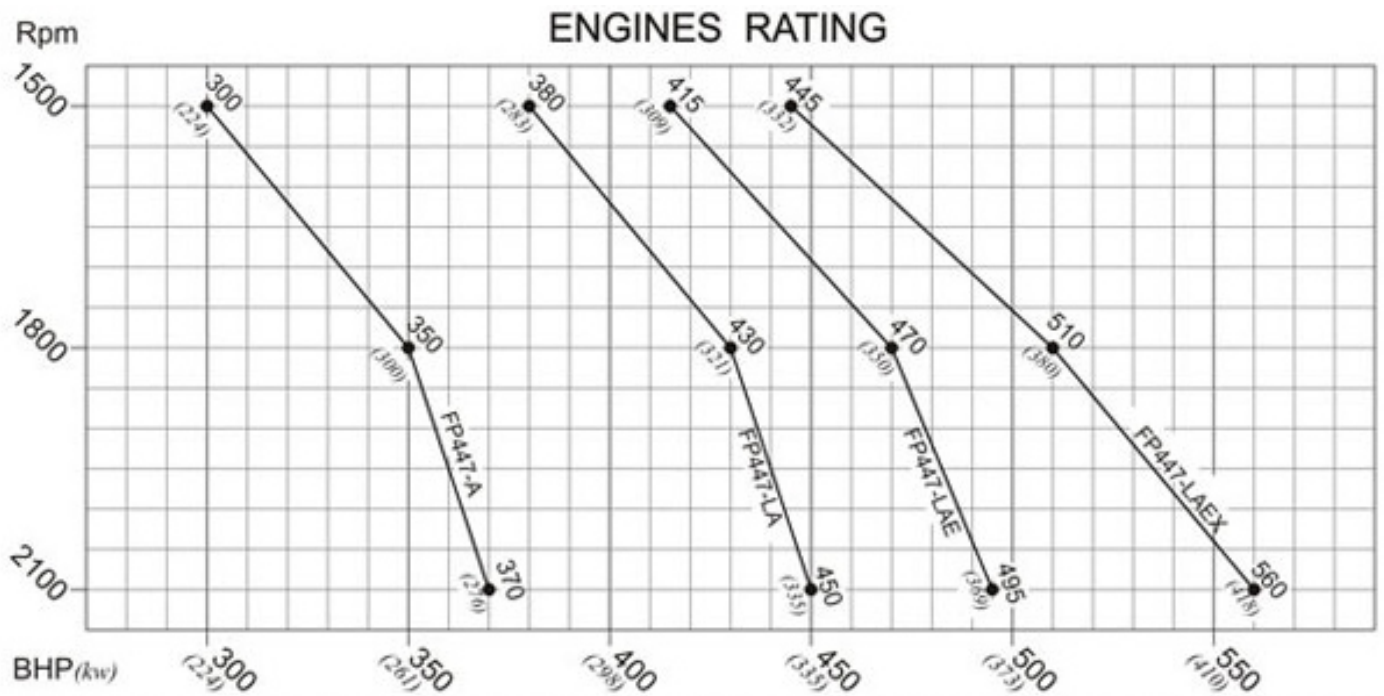
### \* Optionals

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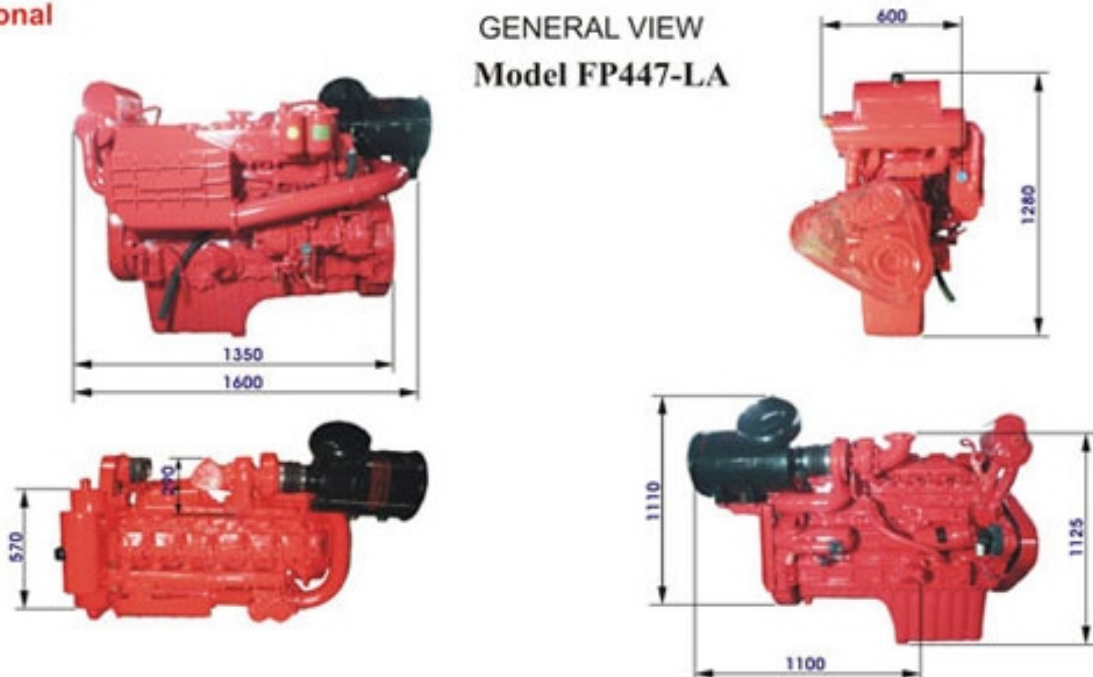
Engines are rated at the conditions of sea-level and 25°C for inlet temperature. For different environment the power rating shall be deducted in 1% for each 100m above the sea level and another deduction of 1% for each 6°C above 25°C.

### INSTALLATION/OPERATION DATA

Cooling	Data	Induction Air	Data
.Heat Exchanger Average Flow	Raw Water 15°C 0,16L/min.hp Raw Water 35°C 0,20L/min.hp	.Air Cleaner Type (Indoor Service)	Disposable or Washable
.Engine Coolant Capacity	26L	.Max. Inlet Temp.	50°C
.Max. Water Engine Temp.	95°C	<b>Exhaust System</b>	
<b>Electric System-DC</b>		.Max. Back Pressure	8kPa
.Voltage System	24VDC	.Min. Exhaust Pipe	Diam. 152mm
.Battery Bank	02x12VDC	<b>Fuel Supply</b>	
.Battery Capacity	200 Ah/each	.Fuel Consumption Average	0,19/0,20 L/hp.hr
.Alternator Capacity	80A 24VDC	.Pressure for Supply	20/60 kPa
<b>* Heater</b>		<b>Engine Lubrication</b>	
.Jacket Water System	Electric Resistor	.Normal Pressure	400/500 kPa
.Nominal Capacity	2500W	.Oil Pan Temp.	115°C
.Voltage - AC	230VAC	.Oil Pan Capacity	38L

**\* Optional**

### GENERAL VIEW Model FP447-LA



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