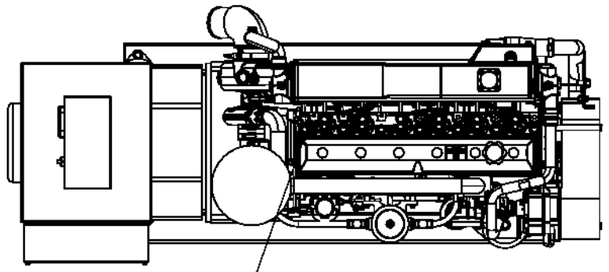
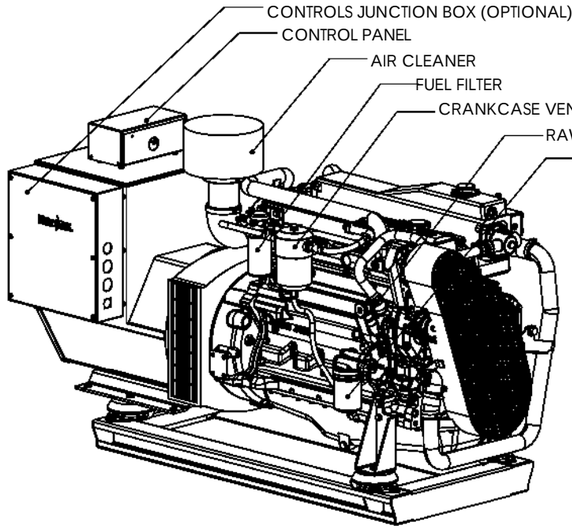
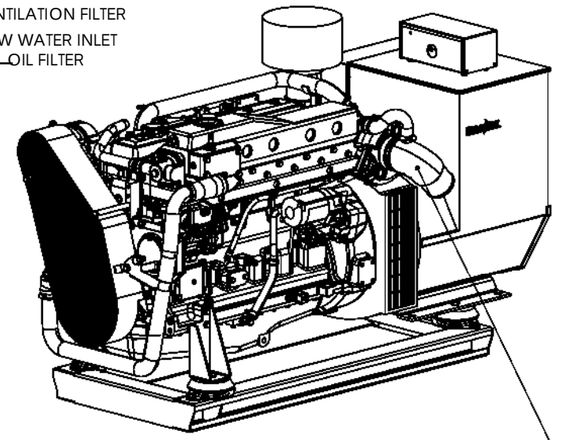
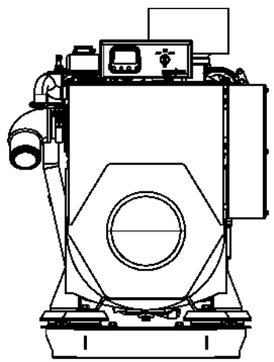
Guidelines	60Hz	50Hz
Min. Ventilation Area--in.2 (m2)	102(0.066)	65(0.042)
Maximum Allowable Air Temperature Rise, Ambient to Engine Inlet--°F (°C)	30 (17)	30 (17)
Engine Air Flow--ft3/min (m3/min)	378 (10.7)	244 (6.9)
Maximum Air Intake Restriction		
Dirty Air Cleaner--in. H2O (kPa)	25 (6.25)	25 (6.25)
Clean Air Cleaner--in. H2O (kPa)	12 (3.0)	12 (3.0)
Intake Manifold Pressure--psi (kPa)	22 (150)	11 (75)
Eng. Heat Reject.--BTU/min (kW)	5863 (103)	4554 (80)
Eng. Radiated Heat--BTU/min (kW)	848 (14.9)	638 (11.2)
Coolant Flow--gal/min (L/min)	33 (125)	31 (116)
Min. Coolant Fill Rate--gal/min (L/min)	3.2 (12)	
Thermostat Start to Open--°F (°C)	180 (82)	
Thermostat Fully Open--°F (°C)	203 (95)	
Maximum Top Tank Temp--°F (°C)	212 (100)	
Minimum Sea Water-to-Boil--°F (°C)	90 (32)	
Min. Water Pump In. Press.--in. H2O (kPa)	00 (00)	
Rec'd. Pressure Cap--psi (kPa)	10 (70)	
Max. Pressure Drop Across Keel Cooler--psi (kPa)	4 (30)	3 (20)
Engine Coolant Capacity--qt (L)	32 (30)	32 (30)
Exhaust Gas Flow--ft3/min (m3/min)	848 (24)	558 (16)
Exhaust Temperature--°F (°C)	745 (396)	772 (411)
Min. Exhaust Pipe Dia. Dry--in. (mm)	3.0 (75)	2.5 (65)
Min. Exhaust Pipe Dia. Wet--in. (mm)	3.5 (90)	3.0 (75)
Max. Allow. Back Press.--in. H2O (kPa)	30 (7.5)	
Max. Weight on Turbo--lb (kg)	26.5 (12.0)	
Governor Type	Electronic	
Governor Regulation--percent	0 to 5	0 to 6
Total Fuel Flow--lb/hr (kg/hr)	212 (96)	205 (93)
Total Fuel Flow--gal/hr (L/hr)	30 (113)	29 (109)
Min. Rec'd. Fuel Line ID--in. (mm)	0.25 (6)	
Min. Rec'd. Fuel Line Size	-5	
Fuel Cons. 'Prime' --lb/hr (kg/hr)	55.1 (25)	41.7 (18.9)
Fuel Cons. 'Prime' --gal/hr (L/hr)	7.8 (29.4)	5.9 (22.2)
Max Leak-off Line Press.--psi (kPa)	3 (20)	8
Max Leak-off Return Height--ft (m)	(2.5)	10
Max. Fuel Trans. Pump Suction--ft (m)	(3.0)	10
Max. Fuel Ht. Above Inj.Pump--ft (m)	(3.0)	212
Max. Fuel Inlet Temp. w/o derate--°F (°C)	(100)	
Fuel Filter @ 98% Efficiency--Microns	2	

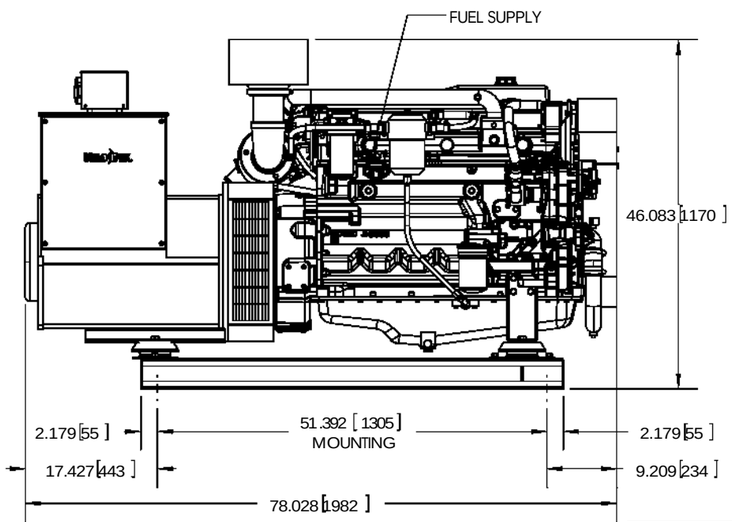
Guidelines	60Hz	50Hz
Oil Press. at Rated Speed--psi (kPa)	50 (345)	45 (311)
Oil Pressure at Low Idle--psi (kPa)	15 (105)	15 (105)
Sea Water Pump Flow--gal/min (L/min)	22 (84)	18 (70)
Max. Inlet Restriction--in. H2O (kPa)	120 (30)	100 (25)
Max. Outlet Press--psi (kPa)	20 (135)	20 (135)
Max. Suction Lift--ft (m)	10 (3.0)	10 (3.0)
Electrical System	12 Volts	24 Volts
~~Recommended~~ Battery Capacity		
CCA @ 32 °F (0 °C)--amp	800	570
Max. Starting Circuit Resist.--Ohm	0.0012	0.002
Starter Rolling Current @ 32 °F (0 °C)--amp	920	600

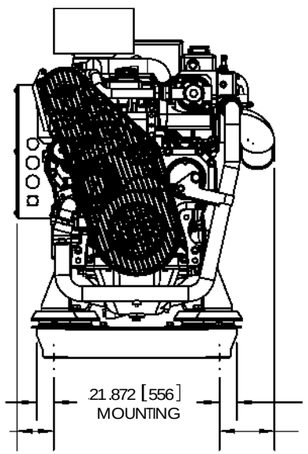


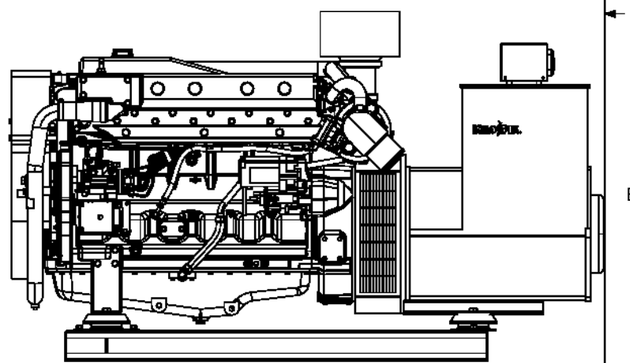












NOTE: IF BEND ORDER NOT SHOWN, BEND FLANGES FROM THE OUTSIDE IN, AND THE LONG BENDS FIRST.

SYM	DATE	BY	REVISION
A	21-AUG-08	YAS	ISSUED AS STANDARD PRODUCT

REAGAN EQUIPMENT COMPANY INC.
2230 PETERS ROAD, HARVEY, LA 70058, 504-367-1870, FAX 504-374-6497
3100 GATEWAY DRIVE, POMPANO BEACH, FL 33069, 954-935-0006, FAX 954-935-0010

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL 1/32
ANGULAR: MACH 1/2
TWO PLACE DECIMAL ±0.03
THREE PLACE DECIMAL ±0.010

INTERPRET GEOMETRIC TOLERANCING PER:

WEIGHT

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	YAS	21-AUG-08
CHECKED		
ENG APPR.		

PROJECT

BEND ALLOWANCE

PART NUMBER:
0805HKPHE83
0996HKPHE83

ALL BENDS
UNLESS OTHERWISE SPECIFIED

TITLE: Generator Arrangement
80kW @ 1500 RPM
99kW @ 1800 RPM

SIZE	DWG. NO.	REV
B	GA08-6068BKPHE83-A	A

SCALE: 1:20 | SHEET 1 OF 1