SPECIFICATIONS AND CAPABILITIES

I. MODEL NO. 4-90STD-D

A General

Length (approx.) 123 ins.(312 cm)
Width (approx.) 72 ins.(183 cm)
Height (approx.) 78 ins.(198 cm)
Weight (approx.) 4800 lbs.(2087 kg)

Operating Temp. Minus 40 to 125 degrees F

(minus 40 to 51 degrees C)

Storage Temp. Minus 65 to 180 degrees F

(minus 54 to 82 degrees C)

B Chassis (effectivity A)

Chassis and running Welded structural steel.

gear Two axles with leaf springs and

towbar. Tires are 6.9 x 9 inch 6 ply

Tire Pressure 75 psig (5.2 bar).

Brakes Rear wheels mechanical drum brakes

actuated by mechanical lever.

Enclosure Mild steel panels with sound proof

material.

B1 Chassis (effectivity B)

Chassis and running Welded structural steel. Two axles

Gear With leaf springs and towbar. Front axle is

pivoted to provide fifth wheel steering.

Tires are 6.9 x 9 in, 6 ply.

Tire Pressure 75 psig (5.2 bar)

Brakes Rear wheels have mechanical drum brakes

activated by a mechanical lever or towbar.

Enclosure Mild steel panels with sound proof material.

C Engine and Accessories

Engine Deutz water cooled, 6 cylinder diesel Model

BF6M 1013E.

C. Engine and Accessories (cont.)

Horsepower 184 at 2000 rpm.

Governor 2000 rpm is maintained to within

plus/minus 0.5% from no load to full load.

Aspiration Turbocharged. Cylinders 6 vertical, in line. Firing Order 1:5:3:6:2:4

Displacement 436 cubic inches (7146 cubic cm) Usable Fuel Diesel and a wide variety of jet fuels.

Fuel Tank Capacity 60 gallons (227 liters) Oil Capacity (c/w filter) 21 liters (5.5 gallons) Fuel Gauge Electric 24 VDC

Air Filter Dry type with plugged filter indicator

Oil Filter Full flow replaceable cartridge.

Cooling System 50/50 water/glycol Cooling System Capacity 16 liters (4.2 gallons) Alternator 55 amps, 24 VDC

Battery and Starter 24 VDC

D. Alternator

Model 430S1315A Speed 2000 rpm Frequency 400 Voltage (AC) 115/200 Phase 3

Power Factor 0.8 lagging

Ambient Temp C 40 Temperature Rise C 80

Excitation Externally Regulated 66

Volts DC, 3 AMPS

Insulation Class H

Single Bearing Sealed, Pre lubricated

E. Shut Down

Low oil pressure Engine shuts down at 8 psi High water temperature Engine shuts down at 221 degrees F (105 degrees C).

Engine shuts down if speed Overspeed

exceeds 2500 rpm.

Light on panel plus strobe light. Low Fuel(option)

Low Fuel(option) Light on panel plus engine shutdown.

Light on engineers panel plus engine shut Low Coolant (option)

down

F. AC Power System

115/200 VAC, 3 phase, 4-wire, wye AC output

connected, 100% duty cycle at 2000

грт.

90 KVA at 0.8 PF **Output Power Rating**

Output Kilowatts 72 kw Rated Load 260 amps

125% of rated load Overload

400 Hertz Frequency

Field Excitation Automatic field flashing Static type 66 vdc at 3 amps

800 amps to 1500 amps continuous

28.5 VDC output (option) 2000 amps to 2500 amps peak.

G. AC Protection System

Trips at 130 volts with time delay. Overvoltage Trips at 90 volts with time delay. Undervoltage

Overfrequency Trips at 410 Hertz. Underfrequency Trips at 390 Hertz.

Overload Trips within 5 minutes at 125% rated

load.

H. DC Protection System

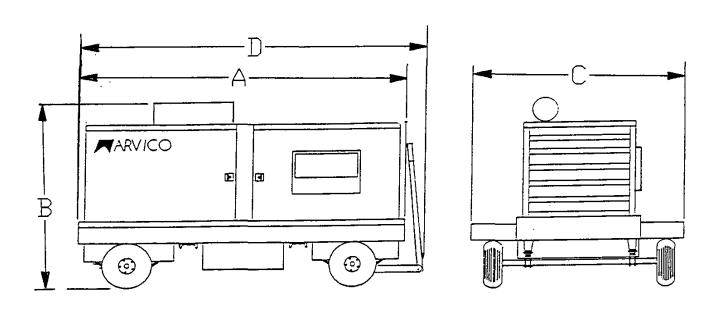
Overvoltage Trips at 32 volts.

High Temperature Transformer will trip at 135 degrees

(275 degrees F)

Rectifier will trip at 90 degrees C

(194 degrees F).



Model	KVA	A	В	C	D	WEIGHT
4-75STD-D	75	112 (285)	78 (198)	72 (183	123 (312)	4700 (2134)
4-90STD-D	90	112 (285)	78 (198)	72 (183)	123 (312)	4800 (2177)
4-120STD-D	120	112 (285)	78 (198)	72 (183)	123 (312)	4800 (2177)
4-140STD-D	140	112 (285)	78 (198)	72 (183)	123 (312)	5100 (2313)

DIMENSIONS IN INCHES (CM) AND WEIGHTS IN LBS (KG)