

U. S. S. A. M. T. C. AIR BLAST FACILITY

Date, 19...

Material Group:

849-1/4(1)

Item Name: Compressor

Compressor Data:

Application: No. 1 Main Air Compressor.

Mfr.: Elliott Co.

Buffing Plan:

Mfr. Plan: W 800407

Mfr. I. D.: No. 110-M5 Multi-Stage Blower.

Discharge Press: 51.5 psia.

Serial No.: 1245

Capacity: 100,000 C F M at 100° F. at inlet.

R. P. M.: 2720

Power Rating: 15,000 BHP (Max.)

Type: Centrifugal *ccw -*

No. of Stages: 5

Air Inlet Type: Flanged

I.D.: 66"

Flange Dia.: 77½"

Air Outlet Type: Flanged

I.D.: 48"

Flange Dia: 59½"

Type Drive: Turbine

Instruction Book: Elliott No. 9479

Location: South of No. 1 Low Pressure Turbine.

Work sheet No.: 162

Thrust Bearing Data:

Mfr.: Elliott Co.

Mfr. Plan: Y-822025

Mfr. I. F.: Tilting Shoe Type

S. H. P. (Designed): 15,000

RPM (Designed): 2720

Type: Pivoted Segmental

No. of Shoes each side: 4

Instruction Book: Elliott 9479

Location: After end of No. 1 Main Compressor.

Podestal Bearing Data:

Mfr.: Elliott Co.

No. of Bearings: 2

Overall Length: 106 ¾"

Thrust Bearing: Yes

Coupling Mfg.: Farrel Birmingham

Size: No. 7

Serial No.: 9766 and 9767

Hubs Separated: 3/8"

Oil Cap: 2/5 gals. each

Mfg. I. D.: Farrel Gearflax Double Engagement- type DE

Method of Lubrication: Hand

Location: Each end of Pedestal Bearing.

Instruction Book: Elliott No. 9479.



