

SULLIVAN MACHINERY COMPANY

ESTABLISHED 1851

GENERAL OFFICES

MICHIGAN CITY, INDIANA

LONG DISTANCE TELEPHONE 3120

CABLE ADDRESS
"SULLIMACO"

July 8, 1943

Mr. W. H. Schacht, Pres.
Copper Range Company
Painesdale, Michigan.

Dear Mr. Schacht:

Since the writer returned to Michigan City, we have again discussed with our representative from the Arizona territory who happens now to be here at the factory, the two Nordberg 750 H.P., 180 R.P.M., Class 3EG, 3 cylinder, four cycle Diesel Engines which are owned by the Phelps-Dodge Corporation. We are advised that these engines were still available up to about three weeks ago and so far as we know, they are still available at this date.

The proper man to contact regarding these engines is Mr. C. C. Wolf, Assistant General Purchasing Agent of the Phelps-Dodge Corporation at Douglas, Arizona. It is our understanding that these engines were rated to actually pull 750 H. P. continuously at the 5000 ft. altitude installation of the Montezuma Copper Company at Nacazori, Sonora, Mexico and if this is the case, the sea level rating would be in the neighborhood of 825 to 850 H. P. each, which would indicate that they each would be suitable for a 600 KVA Generator.

The writer wishes to take this opportunity to thank you for the opportunity of discussing our Class WN-114 heavy duty air compressors and to confirm a few of the figures given at that time.

The 600 H. P. size Class WN-114 Twin Compressor (size 15-1/2 - 9-1/4x7) has a piston displacement of 3656 cu. ft. per minute and against a 100 lb. discharge pressure, the actual delivery of free air is 3144 cu. ft. per minute. The full load kilowatt input of this machine when using a Unity Power Factor Motor, is 464. In giving you the power consumption per thousand cubic feet of free air delivered at 100 lbs. pressure, an error was made as I did not realize that I was looking at the altitude page. The correct figures are as follows: At full load, 2.46 kilowatt hours per thousand cu. ft. and at 3/4 load, 2.51 kilowatt hours per thousand cu. ft.

As mentioned above, these figures are given per 100 lbs. discharge pressure and we wish to point out that the 600 H. P. Motor has ample power to carry this machine continuously at 125 lbs. discharge pressure.

Awaiting the opportunity to be of further service, we are

Yours very truly,

SULLIVAN MACHINERY COMPANY

R. R. Spencer
R. R. Spencer
Compressor Division.

Fully
Electro-Motiv }
Diesel Engine } 3 yrs.
600 HP } - 6 cyl.
\$15000

MM



SULLIVAN MACHINERY COMPANY

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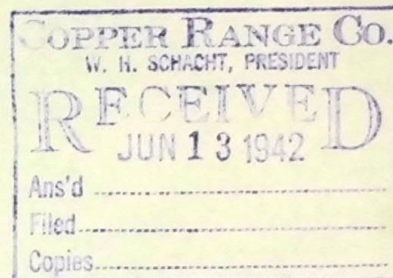
1 EAST MICHIGAN STREET
DULUTH, MINNESOTA

TELEPHONE MELROSE 6746

GENERAL OFFICES
MICHIGAN CITY, INDIANA

WORKS
CLAREMONT, NEW HAMPSHIRE
MICHIGAN CITY, INDIANA
DUNDAS, ONTARIO
GRANTHAM, ENGLAND

June 12, 1942



Mr. W. H. Schacht, Pres.
Copper Range Co.
Painesdale, Michigan

Dear Mr. Schacht:

Some time ago we mailed you bulletins covering Sullivan Compressors, bringing to your attention the most modern designed four cylinder, semi-radial, heavy duty compressor which is now being manufactured and sold in great quantities.

The Sullivan WN-114 Twin Unit, size 14-1/2 - 8-3/4 x 7 has a displacement of 3200 c.f.m., and the Sullivan WN-114 Twin Unit, size 15-1/2 - 9-1/4 x 7 has a displacement of 3656 c.f.m.

In event a new mine is going to be opened and new buildings erected, the designer generally likes to have information available as to foundations required for the proposed equipment. Therefore, at this time we are enclosing the following prints:

- 2 - Copies of general arrangement print, W-7513, showing twin compressors with Electric Machinery Company Motors.
- 2 - Copies of foundation prints, W-7514, showing twin compressor with Electric Machinery Company motors.
- 2 - Copies of foundation print, W-7177, for twin compressors with General Electric Co. and Ideal motors.
- 2 - Copies of general arrangement print, W-7469, showing twin compressor with Ideal and General Electric Co., and Westinghouse motors.

Trusting these will be of interest to you at this time, and hoping that we will be given an opportunity to submit a bid on these units at some future date, we are

Yours very truly
SULLIVAN MACHINERY COMPANY

Blueprints placed in folder.

L. J. Cone
L. J. Cone