

BROOM & WADE LTD

ENGINEERS

P.O. BOX NO. 7, HIGH WYCOMBE

TEST OF AIR COMPRESSOR No. 1/799579 TYPE TN13 BORE 4" & 1 7/8" STROKE 3"

NUMBER OF CYLINDERS 2 R.P.M. 600

FOR MESSRS. COVENTRY VICTOR MOTOR CO.

CUSTOMER'S ORDER No. V.63189

FREE AIR DELIVERED (F.A.D.) MEASURED BY BRITISH COMPRESSED AIR SOCIETY'S NOZZLE AND FORMULA

$$F.A.D. = K \times \frac{T_i + 460}{P_i} \times \sqrt{H \times \frac{m_2}{T + 460}} \quad \text{where } m_2 = P_i - \frac{h}{13.6}$$

DIAMETER OF NOZZLE 5/8" B.C.A.S. CO-EFFICIENT (K) = 0.70

TIME				
PRESSURE IN LBS./SQ"	4.0			
H HEAD OF WATER IN INCHES	14.3			
h HEAD OF WATER IN INCHES DOWNSTREAM	2.4			
PI BAROMETER	30.0			
m ₂ ABSOLUTE PRESSURE DOWNSTREAM ins. of MER.	29.8			
TI INLET TEMP. °F.	78			
T NOZZLE TEMP. °F.	112			
R.P.M.	600			
F.A.D.	10.2			
LBS. ON MOTOR				
MOTOR R.P.M.				
B.H.P. AT MOTOR				
BELT LOSS				
B.H.P. AT SHAFT				
ENGINE OIL PRESS. LBS./SQ"				
COMPR. OIL PRESS. LBS./SQ"	12			
ENG. OIL TEMP. °F.				
COMPR. OIL TEMP. °F.				
RADIATOR TEMP. °F.				
SWINGING FIELD TYPE OF MOTOR USED WHEN B.H.P. = LBS. PULL × R.P.M. ÷				

AIR GOVERNOR. LBS./SQ" CUTS OUT

CUTS IN

SAFETY VALVE MAX. LBS./SQ"

AIR RECEIVER No.

ANY OTHER PARTICULARS

RADIATOR

STEAM OR I.C. ENGINE OR ELECTRIC MOTOR

LLOYDS TESTED CRANKSHAFT stamped LL.7245 JWW
EON.29/6/62.

MAKER

TYPE

RATED B.H.P. R.P.M.

ENGINE OR MOTOR No.

FUEL PUMP No.

VOLTS D.C. OR A.C.

PHASE FREQUENCY

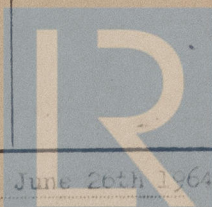
DATE OF TEST June 26th 1964.

CUSTOMER'S REPRESENTATIVE

MR. BRYANT. LLOYDS REGISTER OF SHIPPING.

For BROOM & WADE LTD.

012333-012339-0144



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