

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.68189

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

$$F.A.D. = K \times \frac{T_1 + 460}{P_1} \times \sqrt{H \times \frac{m_2}{T + 460}} \quad \text{where } m_2 = P_1 - \frac{h}{13.6}$$

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

TIME				
PRESSURE IN LBS./sq"	42.0			
H HEAD OF WATER IN INCHES	14 3/4			
h HEAD OF WATER IN INCHES DOWNSTREAM	2 3/4			
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. _____

RADIATOR _____
 STEAM OR I.C. ENGINE OR ELECTRIC MOTOR _____

MAKER _____

TYPE _____

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

ENGINE OR MOTOR No. _____

FUEL PUMP No. _____

VOLTS _____ D.C. OR A.C. _____

PHASE _____ FREQUENCY _____

ANY OTHER PARTICULARS

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

DATE OF TEST June 26th 1964.

CUSTOMER'S REPRESENTATIVE MR. BRYANT. LLOYDS REGISTER OF SHIPPING.



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 Foundation
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