

MASCHINENDATEN - LISTE.

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- 1.) Contractor = Schmid & Oberly, Iloilo
- 2.) Eng. Type = DSS 46
- 3.) Engine No. 55644/45
- 4.) main or auxiliary engine = auxiliary engine
- 5.) airless injection = direct injection
- 6.) 2 or 4 stroke cycle = 4 stroke cycle
- 7.) single acting or double acting = single acting
- 8.) B.H.P. = 46
- 9.) R.p.M. = 650
- 10.) Cylinder diam = 160
- 11.) Stroke of piston = 250
- 12.) Number of cylind = 2
- 13.) max. pressure in cyl. = 50 atm.
- 14.) Mean indicated pressure = 7,8 atm.
- 15.) Distance of cylinder = 304
- 16.) bearing breadth = 102 mm
- 17.) span of bearing = 220 mm
- 18.) flywheel diam. = 1000 mm
- 19.) weight of flywheel = 625 kg
- 20.) flywheel breadth = 250
- 21.)  $G D^2$  of flywheel = 410  $\text{kgm}^2$
- 22.) Crank pin diam = 90 mm
- 23.) diam. of journal = 90 mm
- 24.) Crankwebs: a) breadth 145 mm  
b) thickness 49 mm
- 25.) Crankshaft material = S.M. Steel
- 26.) Tensile strength = 60/70  $\text{kgs.p.squ.mm}$
- 27.) Yield point = 30  $\text{kg/mm}^2$
- 28.) Elongation = 17%  $\text{D D 5 x } \emptyset$

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