

**THREE PASS OIL/GAS/COAL  
FIRED SMOKE TUBE  
HORIZONTAL PACKAGE  
STEAM BOILER (NON-IBR)**



**SAVE ENERGY  
SAVE MONEY**



# THREE PASS OIL/GAS/COAL FIRED SMOKE TUBE HORIZONTAL PACKAGE STEAM BOILER (NON-IBR)

## SPECIAL FEATURES :

- SMOKE TUBE / WATER TUBE
- THERMAL EFFICIENCY  $86 \pm 2\%$  ON NCV
- SEAMLESS ASTMA 106 GR-B PIPES
- EASY & ECONOMICAL OPERATION

## TECHNICAL SPECIFICATIONS :

| DETAILS                      |             | UNIT                               | ASGH-01   | ASGH-02                             | ASGH-03       | ASGH-04       | ASGH-05       | ASGH-06       | ASGH-08       |               |
|------------------------------|-------------|------------------------------------|---|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| EVAPORATING RATE             |             | Kg/hr                              | 100   | 200                                 | 300           | 400           | 500           | 600           | 800           |               |
| STEAM PRESSURE (MAX)         |             | Kg/cm <sup>2</sup> g               | 10.54   | 10.54                               | 10.54         | 10.54         | 10.54         | 10.54         | 10.54         |               |
| STEAM TEMPERATURE (MAX)      |             | °C                                 | 185   | 185                                 | 185           | 185           | 185           | 185           | 185           |               |
| EFFICIENCY                   |             | %                                  | ← $86 \pm 2$ for L.D.O. or NG & $75 \pm 2$ for COAL → |                                     |               |               |               |               |               |               |
| FUEL                         |             | L.D.O. // NATURAL GAS (NG) // COAL |   |                                     |               |               |               |               |               |               |
| FUEL                         | L.D.O.      | (a)                                | Kg/hr   | 6.9                                 | 13.9          | 20.9          | 27.8          | 34.8          | 41.7          | 55.6          |
|                              |             | (b)                                | Kg/hr   | 6.2                                 | 12.3          | 18.5          | 24.6          | 30.8          | 37.0          | 49.2          |
| CONSUMPTION                  | NATURAL GAS |                                    | M <sup>3</sup> /hr                                    | 9                                   | 18            | 26            | 34            | 43            | 52            | 68            |
|                              | COAL        |                                    | Kg/hr   | 18                                  | 40            | 55            | 25            | 92            | 110           | 150           |
| FEED WATER PUMP MOTOR        |             |                                    | HP  | 2                                   | 2             | 3             | 3             | 5             | 5             | 7.5           |
| BLOWER MOTOR                 |             |                                    | HP  | $\frac{1}{2}$                       | $\frac{1}{2}$ | 1             | 1             | 2             | 2             | 3             |
| FUEL PUMP MOTOR              |             |                                    | HP  | $\frac{1}{2}$                       | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ |
| TOTAL CONNECTED. ELECT. LOAD |             |                                    | HP  | 3                                   | 3             | 5             | 5             | 7.5           | 7.5           | 11            |
| BURNER CONTROL               |             |                                    |   | ← ON                                |               |               | -             | OFF →         |               |               |
| STEAM OUTLET                 |             |                                    | mm  | 40                                  | 40            | 40            | 40            | 40            | 40            | 50            |
| FEED WATER INLET             |             |                                    | mm  | 25                                  | 25            | 32            | 32            | 40            | 40            | 40            |
| FUEL OIL INLET               |             |                                    | BSP   | $\frac{1}{2}$                       | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ |
| ELECTRICAL SUPPLY            |             |                                    |   | AC, 3 PHASE, 415 V, 50 Hz, 4 WIRE + |               |               |               |               |               |               |

Fuel consumption based on NCV of

(A) 10,200 Kcal per Kg, for L.D.O.

(a) Feed Water at 30°C (b) From and at 100°C

(B) 8,400 Kcal per m<sup>3</sup> for Natural Gas.

(C) 4,500 Kcal per Kg, for Coal.



**AeroTherm**<sup>®</sup>  
SYSTEMS PVT. LTD.

Plot No. 1517, Phase-III, GIDC,  
Vatva, Ahmedabad-382445, INDIA  
Phone : 25890158  
Fax : +91-79-25834987  
Email : vadherad1@sancharnet.in  
Website : www.aerothermsystem.com