

« - 11: = »
 « - 11: ».- 2015.- .1, .2.- .274-278

• „ • •

.

, -
 (,), « »
 , .

() [1].

1 -

, ./	1100	350	525
/(*)	320	408	245

()

51-52%

60%

[1].

;
,
;

()

137

137

70%

-13 3

HSRG

100
160/250 / ,

37/40-3,4

15%

(24 /)

160 / ,

250 / .

15% (37,5 /)

()

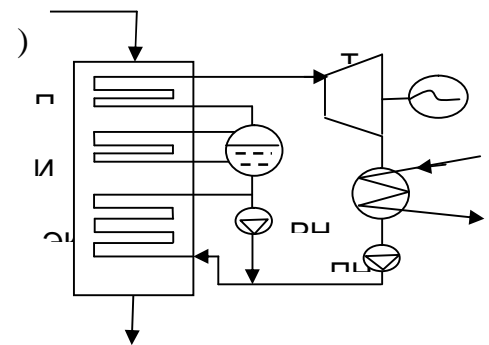
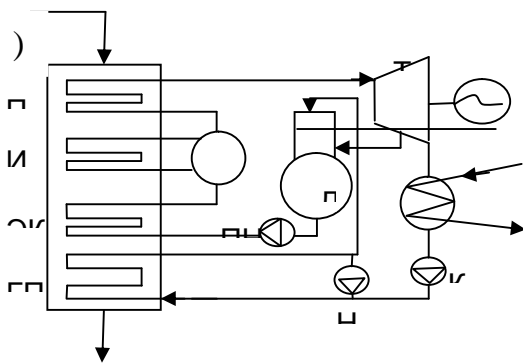
[2,4].

() .

(.1,) ,

() (.1,) ,

(.1,) [3].



)	110	356	550	159	0,72	0,496	156
)	110	356	550	195	0,66	0,48	154

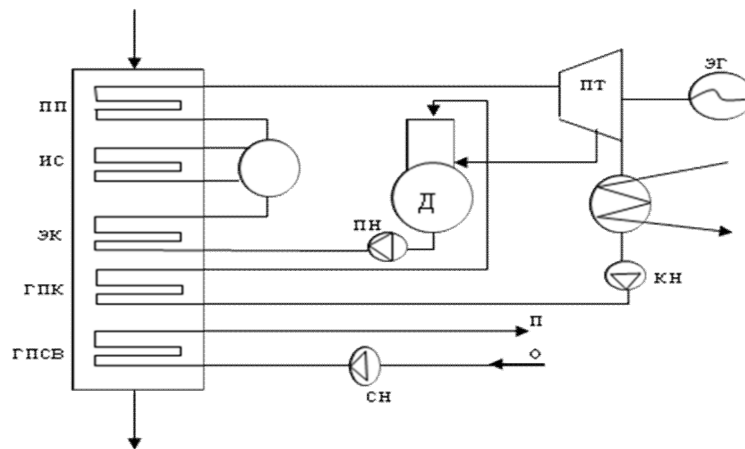
158° ,

(.2) [3].

() 60/110° ,
 158/100° ,
 -110[3,4].:

$$G_B = \frac{G (I - I)}{(h - h)} = \frac{356(177 - 113)}{(460,9 - 293,3)} = 108,75 \quad / = 391,5 \quad / \quad (1)$$

$$Q = G_B (h - h) = 108,7(460,9 - 293,3) = 18120,29 \quad . \quad (2)$$



- ; - ; - ; - ;
 ; , - ; - ; HP- ;
 ; ,0 - ;
 - ; -

2 -

:

$$\eta = \frac{(I_d - I)}{(I_d - I)} = \frac{(595,5 - 113)}{(595,5 - 15,4)} = 0,83; \quad (3)$$

:

$$\eta = \frac{N + Q}{Q} = \frac{156 + 18,12}{314,3} = 0,55. \quad (4)$$

:

54

, 36

, 87

152

1.

2.

1.

», 2011, 49, 5, .777-781.

2. Steam Generators For Combined Steam and Gas Turbine Plants//Naval Engineers Journal//December 1968//Volume 80, Issue 6, Pages 835–988.

3.
: / .
. . . - .: , 2002. – 584 .

4. Economic Evaluation of Flexibility in the Design of IGCC Plants with Integrated Membrane Reactor Modules//Juzheng Zhang, Michel-Alexandre Cardin, Nikolaos Kazantzis, Simon K. K. Ng and, Y. H. Ma Fellow, AIChE//Systems Engineering// March 2015, Volume 18, Issue 2, pages 208–227.

5.
: «
». – .: , 2001. – 24 .

6. ().
., 1973. – 296 .