

capacitor and water-tower, change to powers of the turbine and underproduction to electric powers. The most influence upon efficiency of the using "dry" water-tower renders the temperature circulation water on output from water-tower. The reduction of the warm-up pressure brings about increase the sizes water-tower and capital expenditures on its building.

However in this case underproduction to electric powers at hot length of time falls. The sizes water-tower fall when increase the warm-up pressure and capital investments in it, as well as cooling water-tower ability at hot length of time that brings about increase underproduction to electric powers.

Work is directed on increasing of reliability and economy condensation systems TES and AES, determination and research motivation of the cardinal principles of the choice condensation systems, development of the methods of the calculation heat, hydra- and aerodynamic features system element "dry" cooling power station. Following results are received in process of the study.

METROLOGICAL BASE OF THE RECALCULATION OF THE FEATURES CENTRIFUGAL PUMP ON VISCOUS LIQUID

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Efficient use centrifugal pump in different branch of industry, dealing with workers liquid, viscosity which greatly more (sometimes in reek), than viscosity liquids - an actual problem: in the world work the hundreds of a thousands such pump.

Since test centrifugal pump is realized on cool water (the GOST 6134-2007, ISO 5138-1987), got operating line it is impossible use for viscous liquids.

In base of the methods of the recalculation of the features centrifugal pump on viscous liquids prescribed methods designed "Giproneftomashem" on the base of the studies Ayzenshtayna, Zimina and others soviet scientist as far back as 1960. This methods has born the decennial event of its use so in acting international standard ISO, GOST she is completely used without essential change. However, specified standards limit use provided in them methodses calculation model beside pump, on which were executed studies mortgaged in these standards. The brought methodses calculation have a reference status and are limited also it is enough narrow range parameter test.

It is recommended renew the methods an calculation accounting and experienced given for reception of the features under different frequency of the rotation worker travell about centrifugal pump. This allows to increase the range to validity of the got features, provides the possibility to automations of the technological processes, where are used centrifugal pumps.

The corresponding to equipment of control frequency rotations pump is conditioned by issue by industry of the Ukraine of the converters of the frequency of the electric current by power before 200 kW, which are intended for power supply anisochronous and synchronous electric motors, being main drive centrifugal pump. Methods of the presentation of the features centrifugal pump is brought also in corresponding to modern requirements to analytical form on development CAD technological process.