

Work Session

**TDP-623
Water-Cooled Chillers**

1. List five major components of a large water-cooled chiller.

2. What are two cycles used to improve efficiency in water-cooled chillers?

3. List four types of compressors used in water-cooled chillers.

Which type is non-positive displacement? _____

4. List three types of evaporators used in water-cooled chillers.

5. Describe the two types of compressor motor designs used in centrifugal chillers.

6. List some attributes of each motor type described in Question 5.

7. List seven types of motor starters

_____	_____
_____	_____
_____	_____
_____	_____

8. Define head and lift.

9. What are two operation envelope limits for the centrifugal compressor?

10. What are three methods of capacity control?

11. Name three important effects refrigerant has on the construction of a chiller?

12. List four components of the heat transfer coefficient.

13. List three testing agencies that certify water-cooled chiller electrical code compliance.

14. Name 4 specific requirements of ASHRAE 15

15. List four reasons for the attraction of VFDs on centrifugal chillers.
