

3. Power input. Readings simultaneous with the capacity readings and total-head readings shall be taken of the power input to the motor as determined by calibrated polyphase watt-hour meters or wattmeters to be located on the switchgear.

#### Efficiency Guarantee

The manufacturer shall furnish a statement of overall efficiency that he guarantees for each pump unit, at the rated capacity and head as hereinabove specified.

#### Materials

All materials used in the construction of the equipment herein specified shall be new and of high grade and of properties best suited to the work required. Composition metals shall be of new materials of the best quality. Wherever applicable, materials shall conform to the latest Standard Specifications of the American Society for Testing Materials.

All castings shall be smooth, close grained, true to form and dimensions, and free from blow-holes, shrinkage, cracks and other defects. No plugging, welding, or filling of any parts will be permitted, except on written approval of the Owner.

#### Shop Painting

All castings and parts shall be inspected and approved before painting.

All unfinished surfaces shall be trimmed, thoroughly cleaned, and given a coat of first class iron filler, which shall be rubbed down after drying. The filled and rubbed surfaces shall then be given a coat of sealer which will harden and which will not permit oil to damage the filler. A coat of primer shall then be applied in accordance with PAINTING Section or an Approved manufacturers standard.