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| A | <ul style="list-style-type: none"> - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. - Check the setting of the inlet guide vanes. - Set the angle of the inlet guide vane to zero angle of attack. - Measure the characteristic curve ($\Delta p_t - q_v$) of the fan for three different RPM settings, taking measurements in at least ten evenly distributed operating points for each curve. - With the help of the templates, set the inlet guide vane grid to the two positive angles of attack and repeat the measurement of the characteristic curve for one of the RPM values that have already been investigated. - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. |
| B | <ul style="list-style-type: none"> - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. - Check the setting of the inlet guide vanes. - Set the angle of the inlet guide vane to zero angle of attack. - Measure the characteristic curve ($\Delta p_t - q_v$) of the fan for three different RPM settings, taking measurements in at least ten evenly distributed operating points for each curve. - With the help of the templates, set the inlet guide vane grid to the two negative angles of attack and repeat the measurement of the characteristic curve for one of the RPM values that have already been investigated. - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. |
| C | <ul style="list-style-type: none"> - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. - Check the setting of the inlet guide vanes. - Set the angle of the inlet guide vane to zero angle of attack. - Measure the characteristic curve ($\Delta p_t - q_v$) of the fan for three different RPM settings, taking measurements in at least ten evenly distributed operating points for each curve. - With the help of the templates, set the inlet guide vane grid to a positive and a negative angle of attack and repeat the measurement of the characteristic curves for one of the RPM values that have already been investigated. - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. |
| D | <ul style="list-style-type: none"> - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. - Check the setting of the inlet guide vanes. - Set the angle of the inlet guide vane to a low angle of attack using the templates. - Measure the characteristic curve ($\Delta p_t - q_v$) of the fan for three different RPM settings, taking measurements in at least ten evenly distributed operating points for each curve. - With the help of the templates, set the inlet vane grid to an opposite angle of attack and repeat the measurement of the characteristic curve for two of the RPM values that were already investigated. - Note the atmospheric pressure and temperature in the laboratory before and after the measurement. |