

Fig. 5- Pressure distribution at various GVF for two-phase flow

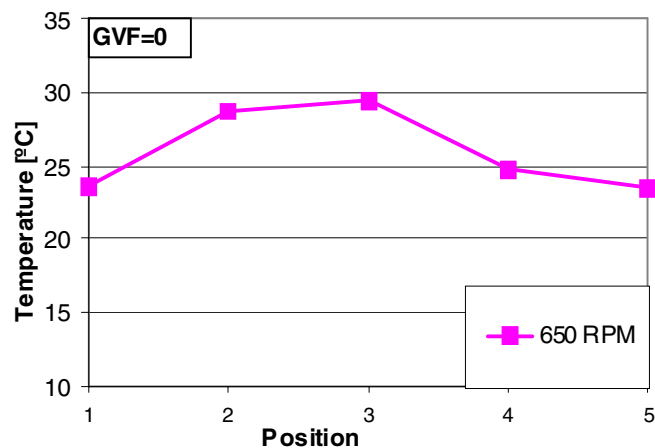


Fig. 6- Temperature Distribution along the stator for single phase flow

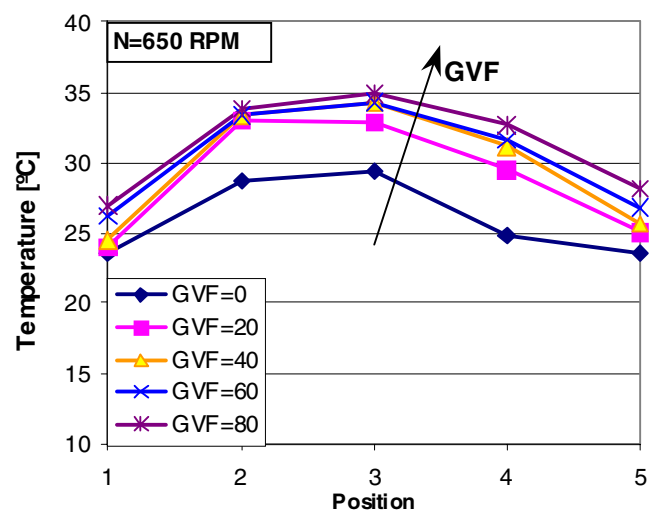


Fig. 7- Temperature distribution at various GVF.

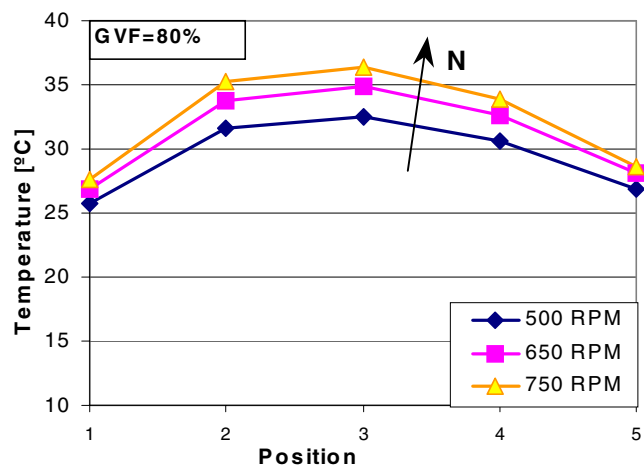
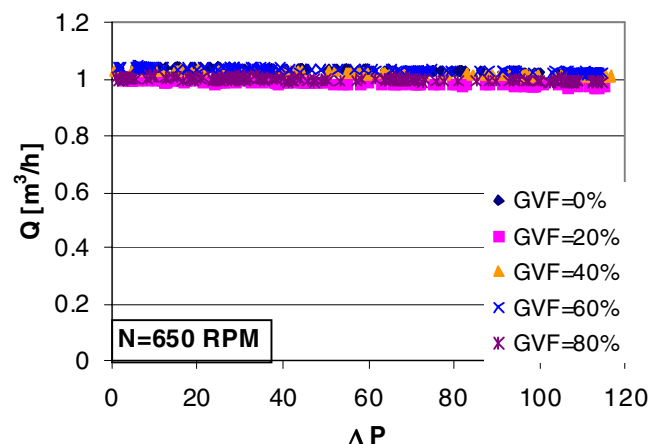
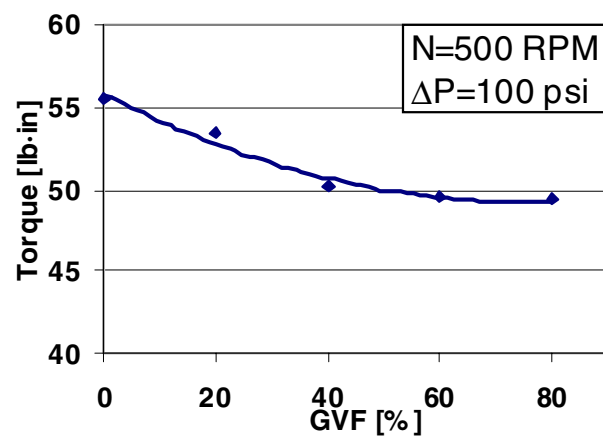


Fig. 8- Temperature distribution at various rotation speeds

Fig. 9- Flow rate vs. ΔP at various GVFFig. 10- Driving torque Vs ΔP at various GVF