

### Fluid properties :

Density : 1.225 [kg/m<sup>3</sup>]

Temperature : 15 [deg C]

### Impeller properties :

Diameter : 1200 [mm]

Tip clearance (%R) : 2

Blade : C

Angle : 45°

Rotation speed : 960 [RPM]

Material : ALU

Hub-Blade : 16-8

### Working point :

**Q[cfm]**  
38610

**Pst[Pa]**  
5.467

**Pdyn[Pa]**  
159

**Ptot[Pa]**  
164.5

**Pshaft[HP]**  
10.34

**Eff(t) [%]**  
38.9

**Lwt[dB(A)]**  
94.73

### Mechanical info :

**Axial force[N]**  
186

**Shaft torque[N\*m]**  
76.72

**Tip speed[ft/min]**  
11870

**Air speed[ft/min]**  
3172

