Facility Name: Palaver (Cofferleaf II)  
ID Number: 049  

Pump  
Condition: New  
- Type: Submersible  
- Discharge Diameter: 4"  
- Control: Float / FVNR Starter  
- Manufacturer: Flygt  
- CP-3127 HT  
- 704-504-8804  
- Wetwell: 6' Diameter  
- 6' Deep  
- Vol: 1,300 gal  

- Pump One: 158 gpm  
- Pump Two: 157 gpm  
- Firm Capacity: 157 gpm  

Generator:  
Condition: New  
- MTU onsite Energy  
- Model DS00050D6SRAK0574  
- KVA: 62  
- KW: 50  

Grinder:  
Condition: New  
- Grinder: Muffin Monster  

Sound:  
- At the Fence: 54 dB Gen off  
- At the Fence: 74 dB Gen on  
- Five foot from Generator: 92 dB Generator on  

Comments:  
- station is new  
- carbon absorber  
- valve vault had some ground water in it  
- low flow now (15hr run time in the last 10 months)
Town of Cary Pump Station Inspection Sheet

PERFORMANCE CURVE

DATE: 2005-12-15

PRODUCT: CP3127.181
TYPE: HT

CURVE NO: 63-484-00-3702
ISSUE: 1

IN/OUTLET: 217 mm

MOTOR DATA:
- Motor Type: 21-12-4AL
- Stator: 52D
- Rev: 11
- Freq: 60 Hz
- Phases: 3
- Voltage: 600 V
- Poles: 4

SHUNT DATA:
- Stator Resistance: 25.63 Ω
- Motor Efficiency: 91.3%
- Power Factor: 0.97

INERTIA:
- Inertia: 0.11 kgm²
- Number of Blades: 1

POWER [kW]

FLOW [l/s]

HEAD [m]

(NPSHR) [m]

Performance with clear water and rating data at 40 °C