

#### Description

The pump, mounted within the canister located in the aircraft fuel tanks, incorporates multistage impellers driven by an internal, fuel flooded, AC motor.

Pump performance is maintained over a range of altitudes and temperatures. The unit has an excellent dry running capability and incorporates a thermal device which interrupts the AC supply to the motor should overheating occur.

The reliability and long life of the unit are enhanced by the fully flooded operation of the AC motor which facilitates cooling and lubrication.

There are four pumps fitted to each aircraft.

#### Design Features

- High MTBF
- Easily fitted or removed (without draining fuel tank)
- Suitable for use with hot fuel
- Dry run capability
- Fuel cooled and lubricated bearings
- Low acoustic noise
- Three-phase induction motor
- Reliable, maintenance-free operation
- Explosion proof and thermally protected
- Canister mounted

#### Application

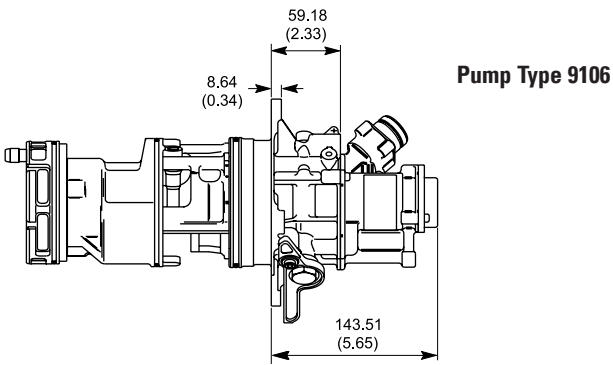
- Boeing 777



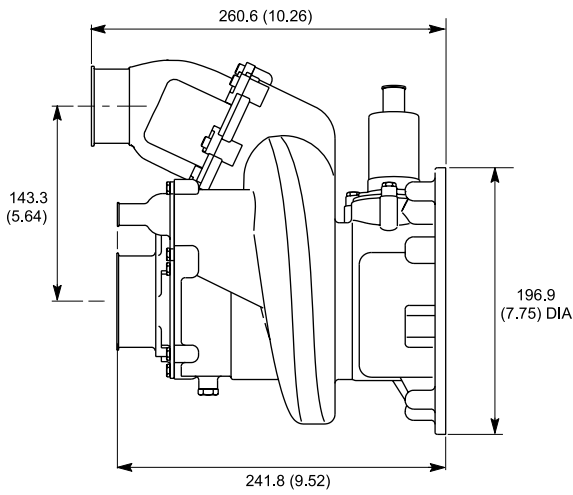
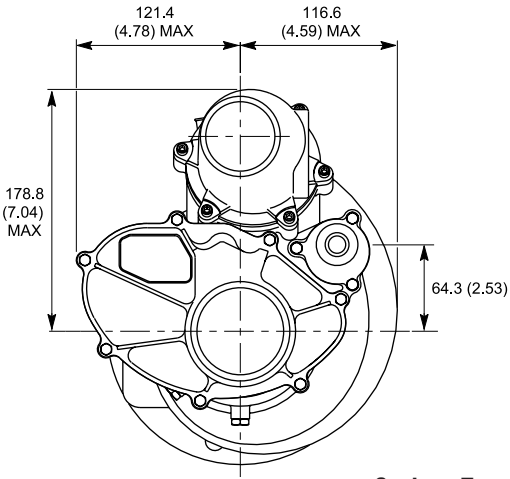
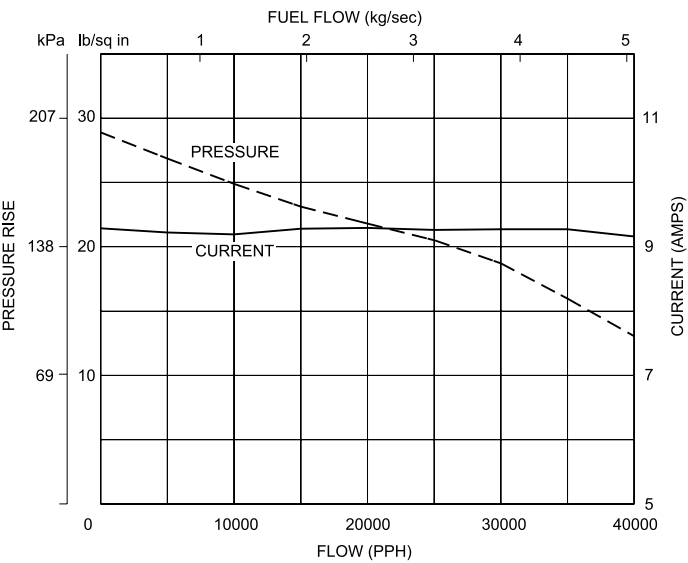
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Specification

Pump ..... Part No. 568-1-29115  
Canister ..... Part No. 568-1-29116  
Power Supply ..... 200V 400Hz 3 Phase  
Flow Rate ..... 4.4kg/sec (35,000lb/hr)  
Delivery Pressure ..... 82.7/210kPa (12/30.5psig)  
Motor Speed ..... 12,000rpm  
Current Consumption ..... 9.5A  
Weight ..... 6.5kg (14.35lb)



Typical Performance Curves



Overall Dimensions mm (in)