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PRODUCT - Fuel Boost Pump

The reputation for high quality engineering and superb design continues in the form of the revolutionary New Brushless Motor High Pressure Fuel Pump from Andair.

After extensive research and development Andair have developed the 'Px375B' Boost and the 'Xp375T' Transfer Pump.

Each model features a Brushless motor. This motor, also developed and manufactured by Andair is light weight, powerful and reliable.

The Pump components are D2 tool steel providing unequalled wear characteristics.



Within the body of the PX375B Boost Pump is contained the Bypass. This feature allows for fuel to flow around the positive displacement pump, whilst the pump is not running. The porting within the body has been computer optimised to ensure the best possible flow conditions.

The pump also incorporates a pressure relief system. Here, if the pump is pumping against a closed line, the pressure relief port will open and fuel will re-circulate within the pump.

With the Andair Brushless Fuel Pump the motor is immersed within the fuel. This has 3 distinct advantages; the fuel can be used to cool the internals and the design ensures there will never be any leaks between the drive to the pump, furthermore, using advanced materials and machining techniques we can use the fuel to lubricate the internals giving us better performance.

GENERAL PX375B-40A-5-25 SPECIFICATION :-

11-16.6 VDC 6 AMPS MAX / 4.5 AMPS NORM.

16 GPH @ 25PSI / OPEN FLOW 60 GPH @ 7PSI

NO FLOW MAX PRESS. 25 PSI

PRESS. DROP IN BYPASS MODE @ 36 GPH <0.5 PSI

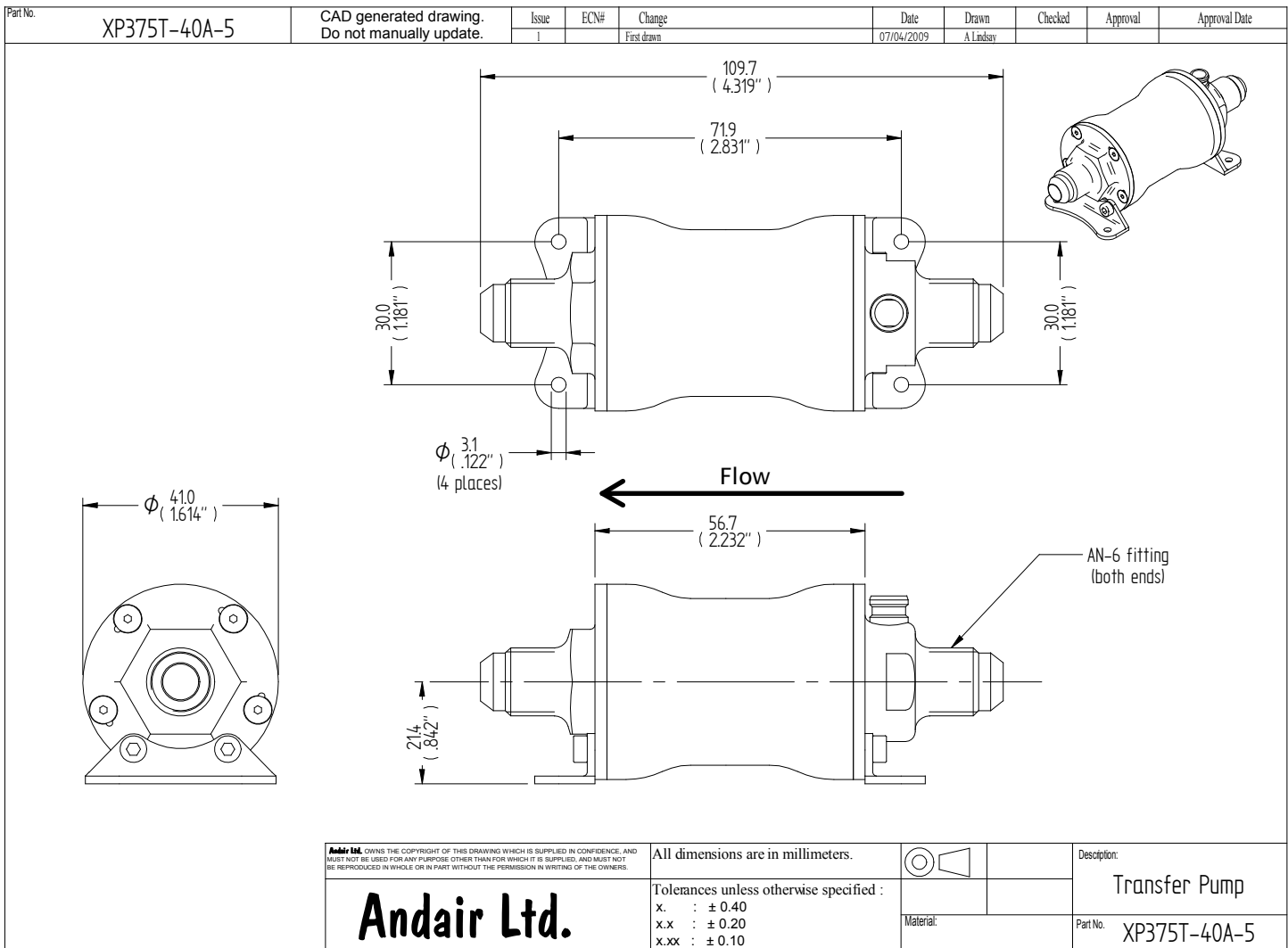
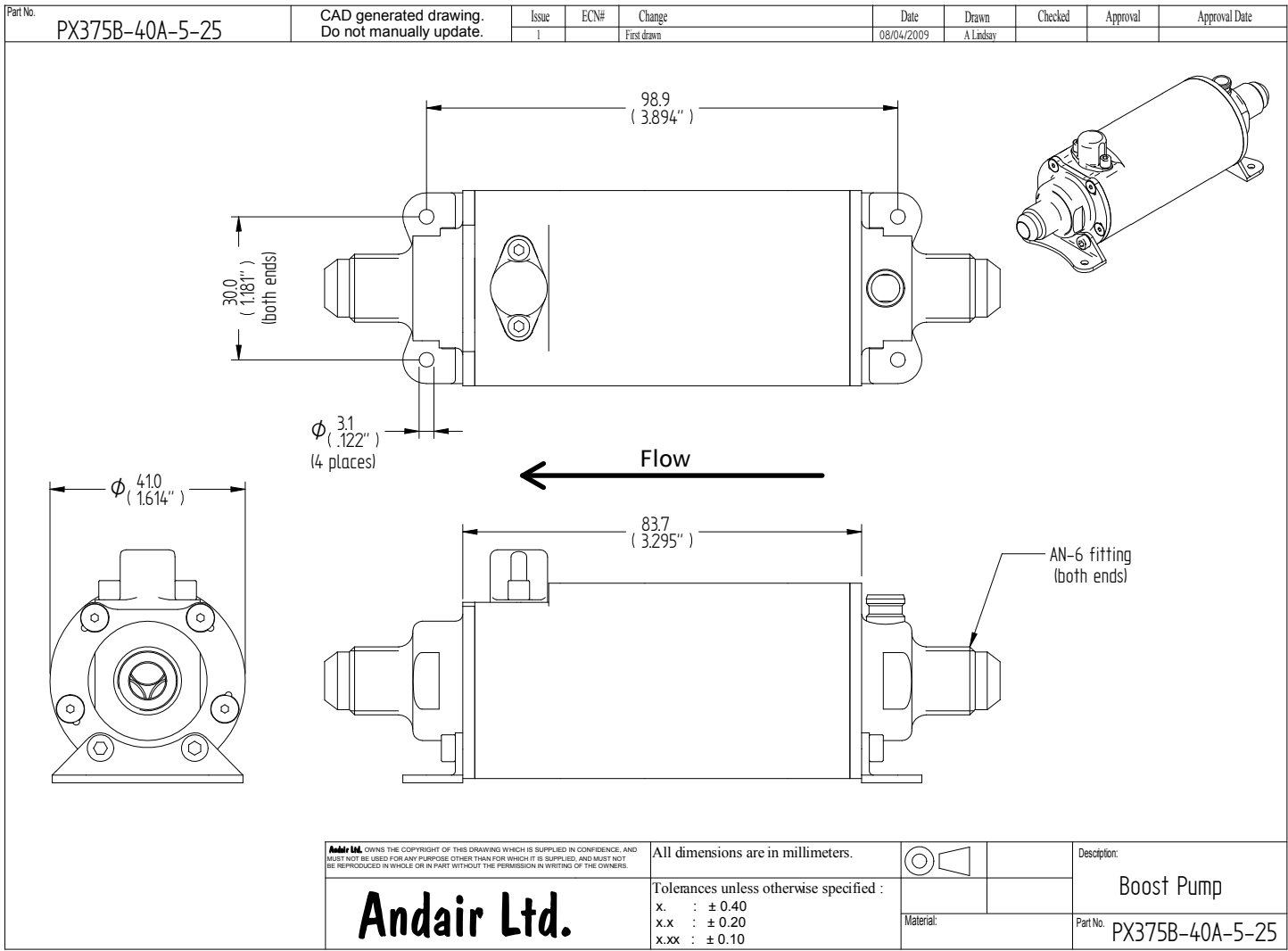
SELF PRIMING TO 10ft (3m) THROUGH 3/8" TUBE

MALE AN-6 FITTINGS / BRACKET INCLUDED

SOFT START / CONTINUOUS DUTY

WEIGHT 460g INCLUDING CONTROLLER / AEROSPACE GRADE ALUMINIUM BODY

The PX375B-40A-5-25 has been developed as a boost fuel pump for the Lycoming I0360 range of engines. If however you require a pump with a different specification please contact Andair. Pump@andair.co.uk



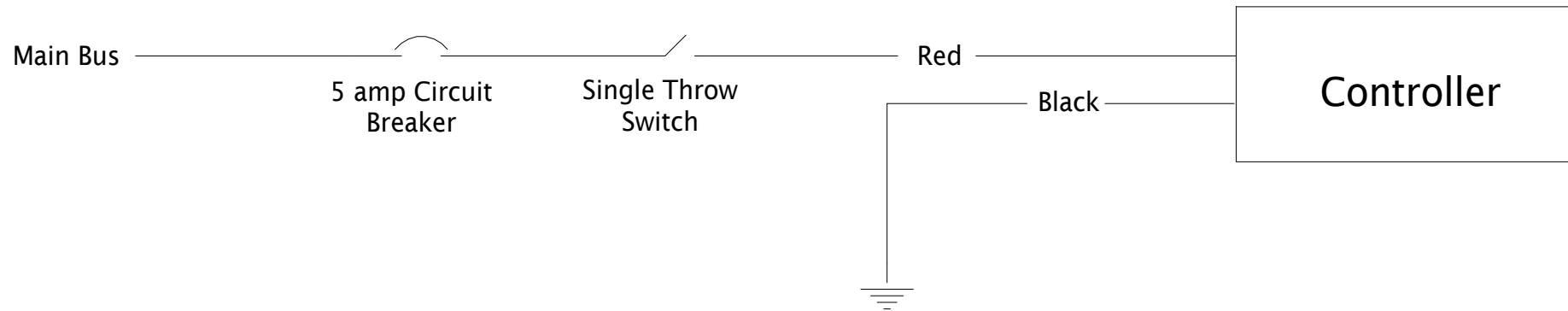
Part No.	Issue	ECN#	Change	Date	Drawn	Checked	Approval	Approval Date
PCD1	1		First drawn	11-05-2009	A Lindsay			
	2		Wiring now two wires, was three.	20-07-2009	A Lindsay			

Wiring for Boost and Transfer Pumps

The Pump is connected to the Controller via pre-wired connectors. The Controller should be sited within 50cm (19”) of the Pump.

The controller has two wires, Red and Black, to be connected to the aircraft.

The Red wire should be connected to the Main Bus via a Single Throw Switch and a 5 amp Circuit Breaker.
The Black wire goes to ground (earth).



CAD generated drawing.
Do not manually update.

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	Tolerances unless otherwise specified : x. : ± 0.20 x.x : ± 0.10 x.xx : ± 0.05	Material:			Part No. PCD1