



KELLY AEROSPACE

Thermal Systems

Document Number: NC-16-035
Title: [Bonanza](#) A36, A36TC, B36TC & G36
Air Conditioning System
Weight & Balance
Revision: C
Date: 1/23/2020

	Name	Signature	Date
Author	Eric Farmer	On File	1/23/2020
Approved	Jeff Barlett	On File	1/23/2020

Revisions

Rev.	Description	Author	Date	Approved
A	Initial Release (ECN 15-016)	Eric Farmer	3/27/17	Jeff Barlett
B	Changed reference on 1.1 from G58 to G36 (ECN 17-033)	Eric Farmer	9/20/17	Jeff Barlett
C	(ECN 19-063) Change title, was "Baron A36" Add weight and balance information for Short Duct Installation, Long Duct Installation and Cabin Inlet Duct Installation	Eric Farmer	1/23/2020	Jeff Barlett

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1.0 WEIGHT AND BALANCE SUMMARY

Weight and Balance for the kits was determined through kit weight measurement, initial weighing and final weighing of the aircraft with approved calibrated scales.

1.1 Aircraft Model Baron A36, A36TC, B36TC & G36

Kit Number KATS-16-003 without [Short Duct Installation or Long Duct Installation or Evaporator Inlet Extender Assembly](#) and no change in alternator power source.

KATS-16-003 WEIGHT = 64.0 lbs.

KATS-16-003 MOMENT ARM = 210.7 in.

KATS-16-003 MOMENT = 13485.6 in-lbs.

[Short Duct Installation \(Reference NC-20-001\)](#)

KATS-16-003 Short Duct WEIGHT = 1.7 lbs.

KATS-16-003 Short Duct MOMENT ARM = 180.3 in.

KATS-16-003 Short Duct MOMENT = 306.5 in-lbs.

[Long Duct Installation \(Reference NC-20-011\)](#)

KATS-16-003 Long Duct WEIGHT = 6.9 lbs.

KATS-16-003 Long Duct MOMENT ARM = 150.2 in.

KATS-16-003 Long Duct MOMENT = 1036.4 in-lbs.

[AC-02075 Cabin Inlet Duct Installation \(Reference NC-20-001\)](#)

KATS-16-003 Cabin Inlet Duct WEIGHT = 1.9 lbs.

KATS-16-003 Cabin Inlet Duct MOMENT ARM = 180.0 in.

KATS-16-003 Cabin Inlet Duct MOMENT = 342.0 in-lbs.

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