



333 RT. 17 N.

Mahwah, NJ 07430

800-FOR-HYTORC

CERTIFICATE OF CALIBRATION

CERTIFICATE# 150123093315

CUSTOMER HYTORC

P.O. # 14-3436

TOOL MODEL J-GUN AIR-1 APACHE DUAL SPEED

SERIAL # J1P00747

STATED ACCURACY +/- 5%

PRESSURE RANGE: 20 - 80 psi

PROCEDURE & METHOD USED

The J Gun Pneumatic Torque Tool was calibrated on JETYD Automated Torque Tool Calibration System, in accordance with Pneumatic J-Gun Calibration Procedure #330 Version 2.1

CALIBRATION EQUIPMENT USED

JETYD Automated Torque Tool Calibration System.

[X] Honeywell Rotary Torque Transducer Serial #1398411. Torque standard traceable to NIST by calibration report # 27556, Calibration date 05/02/2014, Calibration due date 05/2015. Calibrations performed at 68° F-75° F, R.H. 20%-60%. Tool is calibrated at intervals of 20 psi air pressures, all other values are extrapolated. Calibrations are per ISO5393 Soft Joint Standard.

Standard Torque

| PRESSURE psi | MIN | MAX | As Received/ As Left | | |
|-----------------|--------------|--------------|----------------------|------|--|
| | lbf.ft (N.m) | lbf.ft (N.m) | lbf.ft | N.m | |
| 20 | 324 (439) | 358 (485) | 341 | 462 | |
| 25 | 401 (543) | 443 (601) | 422 | 572 | |
| 30 | 478 (648) | 528 (716) | 503 | 682 | |
| 35 | 555 (752) | 613 (832) | 584 | 792 | |
| 40 | 632 (857) | 698 (947) | 665 | 902 | |
| 45 | 702 (952) | 776 (1052) | 739 | 1002 | |
| 50 | 772 (1047) | 853 (1157) | 813 | 1102 | |
| 55 | 842 (1142) | 931 (1262) | 886 | 1202 | |
| 60 | 912 (1237) | 1008 (1367) | 960 | 1302 | |
| 65 | 982 (1332) | 1086 (1472) | 1034 | 1402 | |
| 70 | 1052 (1427) | 1163 (1577) | 1108 | 1502 | |
| 75 | 1122 (1522) | 1241 (1682) | 1181 | 1602 | |
| 80 | 1192 (1617) | 1318 (1787) | 1255 | 1702 | |
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Torque values determined using 10 ft length hose
Inspection Checks Done: Reverse & High Speed: Pass
As Received/ As Left Calibration Status: Pass

Calibration Technician

Vincent Sturdy

Calibration Date 1/23/2015

Approved By: Title: Q.A. Manager

Koshy Sachariah

Calibrations are in accordance with requirements of ISO/IEC 17025:2005. Calibration results were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). Expanded uncertainties expressed at approximately 95% confidence levels using a coverage factor K=2 was accounted for in making compliance/non compliance decision with specification, and are available within 30 days of calibration date. Results are valid only to the above item calibrated at the time of test. This certificate shall not be reproduced except in full without the written permission of Jetlyd Corp.



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TOOL MODEL: J-GUN AIR-1 APACHE DUAL SPEED

J1P00747

PRESSURE / TORQUE CONVERSION CHART

Standard Torque

| PRESSURE | | TORQUE | | |
|----------|------|--------|-------|------|
| psi | bar | ft-lbs | kgf-m | N-m |
| 20 | 1.38 | 341 | 47 | 462 |
| 25 | 1.72 | 422 | 58 | 572 |
| 30 | 2.07 | 503 | 70 | 682 |
| 35 | 2.41 | 584 | 81 | 792 |
| 40 | 2.76 | 665 | 92 | 902 |
| 45 | 3.10 | 739 | 102 | 1002 |
| 50 | 3.45 | 813 | 112 | 1102 |
| 55 | 3.79 | 886 | 123 | 1202 |
| 60 | 4.14 | 960 | 133 | 1302 |
| 65 | 4.48 | 1034 | 143 | 1402 |
| 70 | 4.83 | 1108 | 153 | 1502 |
| 75 | 5.17 | 1181 | 163 | 1602 |
| 80 | 5.52 | 1255 | 174 | 1702 |

Torque values determined using 10 ft length hose

Calibrations are per ISO5393 Soft Joint Standard.

NOTE: 1) Minimum 30 CFM air required to use this pneumatic torque tool. 2) Use 1/2" or 3/4" diameter hose for optimal results; minimum diameter hose to be used is 1/2".

1/23/2015

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V5.5 01/14/2015