

TURNADO SPECIFICATIONS

GENERAL

WIDTH	54 "
DEPTH	31"
HEIGHT	64" +/- 1" FOR LEG LEVELERS
SHIPPING WEIGHT	850 #
MACHINE WEIGHT	800 # INCLUDES BENCH
CRATE SIZE	54"W x 32"D x 43"H
FOOTPRINT	54" WIDE X 32"DEEP X 84" TALL (ADD 24" WIDE FOR PC)
T SLOT SIZE	1/2"
POWER FEED X AXIS	YES - FORWARD AND REVERSE UNDER CNC OR JOG
POWER FEED Z AXIS	YES - LEFT AND RIGHT UNDER CNC OR JOG
TABLE SIZE	9" X 19"
T SLOTS ON TABLE	3 FULL LENGTH EQUALLY SPACED
DISTANCE BETWEEN CENTERS	30"
DIAL CALIBRATION ON CROSSFEED	DRO STANDARD READS INCH OR METRIC TO 0.0001"
DIAL CALIBRATION ON LEADSCREW	DRO STANDARD READS INCH OR METRIC TO 0.0001"

FEED RATES ON X AXIS

ADJUSTABLE 0-MAX UNDER CNC OR JOG

FEED RATE ON Z AXIS

ADJUSTABLE 0-MAX UNDER CNC OR JOG

SPINDLE TAPER

MT 5

LATHE CHUCK BORE

1.60"

LATHE CHUCK DIAMETER

6"

LATHE CHUCK MAX WORK PIECE DIA.

6.32"

LATHE CHUCK MINIMUM WORKPIECE

0.125" (practical limit)

LATHE CHUCK MOUNT

PLAIN BACK

LATHE CHUCK TYPE

3 JAW SELF CENTERING PLUS 4 JAW INDEPENDENT

COLLETS

5C SYSTEM WITH CLOSER AND 11 COLLETS

SPINDLE ACCURACY T.I.R.

0.00076"

SPINDLE BORE

1.6"

SWING OVER BED

17"

SWING OVER CARRIAGE

7.5"

MANUAL TOOLPOST

AXA QUICKCHANGE STYLE WITH 5 HOLDERS

CNC TOOLPOST

CNC DRIVEN TURRET WITH 4 POSITIONS

TAILSTOCK TAPER

MORSE # 3

TAILSTOCK BARREL TRAVEL

6.25" PLUS 4" TELESCOPING

THREADS - INCH

INFINITE

THREADS- METRIC

INFINITE

X AXIS TRAVEL

10"

Z AXIS TRAVEL

19"

TOOL BIT SIZE

0.125" TO 0.50"

X AXIS TRAVEL WITH TAILSTOCK ON

17"

X AXIS TRAVEL WITH TAILSTOCK OFF

19"

STEADY REST

2.5" MAX DIAMETER

FOLLOW REST

1.5" MAX DIAMETER

ELECTRICAL

MOTOR) 220/380 VOLT 60 HZ TEFC

HORSEPOWER

PHASE

POWER CORDS

POWER REQUIREMENT 220 VOLT

MOTOR MOUNTING FRAME

MOTOR SHAFT SIZE

MOTOR RPM

**INVERTER 220 VOLT SINGLE PHASE INPUT
380 VOLT 3 PHASE OUTPUT**

15 AMPS 4 POLE INVERTER DUTY

2 rated at max VFD torque compensation

THREE

1 14 GAUGE

HOUSEHOLD OUTLET 20 AMP CIRCUIT

IEC 100 face mount

24 mm (15/16")

**1400 @ 60Hz adjustable through VFD to 120
Hz=2800**

OTHER

BENCH- ALL STEEL WELDED CONSTRUCTION

DRO MOUNTING

CNC MOUNTING AND HARDWARE

CNC ENCLOSURE

BALL SCREWS

HAND WHEELS X AND Z

MACHINE FASTENERS

MOTIONS

6 LEGS WITH ADJUSTABLE LEVELING PADS AND 4 CASTERS FOR MOVING, BUILT IN DRIP TRAY FOR COOLANT SYSTEM

DRO FULLY MOUNTED AT FACTORY

CNC FULLY INSTALLED AT FACTORY INCLUDING X, AND Z.

ALL STEEL SHEET METAL HOUSING INTEGRATED INTO THE UNIT WITH ALL ELECTRONICS INSTALLED AND PROTECTED.

C-7 BALL SCREWS WITH DOUBLE MULTI TRACK DEFLECTOR NUTS ON X AND Z AXES.

ROUND WITH FOLD AWAY HANDLES FOR CNC PROGRAM RUNNING

STEEL

LATHE SPINDLE RUNS ON DUAL ANGULAR CONTACT SEALED BALL BEARINGS SEALED FOR LIFE.