

GENIE TZ50



STARTING PROCESS

BEFORE STARTING, ENSURE THAT YOU HAVE DONE A FULL WALK-AROUND OF THE MACHINE. SCHEDULED MAINTENANCE, REPAIRS, AND INSPECTIONS ARE DONE BY THE RENTAL OPERATOR BUT IT IS ALSO REQUIRED THAT THE RENTER LOOKS OVER THE MACHINE. REFERENCE THE OPERATOR'S MANUAL FOR A DETAILED DESCRIPTION FOR THINGS TO LOOK OUT FOR. IF YOU HAVE ANY QUESTIONS OR CONCERNS, REACH OUT TO OUR SERVICE DEPARTMENT BEFORE PROCEEDING.

SETUP FOR OPERATION

1. POSITION THE MACHINE BELOW THE DESIRED WORK AREA.*
2. SET THE PARKING BRAKE.
3. DISCONNECT THE TRAILER LIGHTS, SAFETY CHAINS, AND BRAKE CABLES FOR THE VEHICLE.
4. OPEN THE LATCH ON THE BALL COUPLER.
5. PULL THE JACK RELEASE HANDLE AND ROTATE THE TONGUE JACK TO THE LIFTING POSITION.
6. RAISE THE TONGUE BY TURNING THE JACK HANDLE.
7. BE SURE THE BOOM HOLD-DOWN LATCHES ARE UNLATCHED.

* MAKE SURE THE WORK AREA IS CLEAR OF HAZARDS. BE AWARE OF EVERYTHING AROUND AND ABOVE THE WORKING AREA.



OPERATION FROM GROUND

1. TURN THE KEY SWITCH TO THE GROUND CONTROL DIRECTION.
2. PULL OUT THE RED EMERGENCY STOP BUTTON.
3. PRESS AND HOLD THE YELLOW FUNCTION ENABLE BUTTON. PRESS AND HOLD THE AUTO LEVEL BUTTON (OR CONTROL EACH LEG INDIVIDUALLY).
4. CHECK THE BUBBLE LEVEL TO MAKE SURE THE MACHINE IS LEVEL.
5. PUSH AND HOLD THE APPROPRIATE FUNCTION ENABLE BUTTON.*
6. PUSH AND HOLD APPROPRIATE BOOM FUNCTION BUTTON.*

* BOTH, THE FUNCTION ENABLE AND THE FUNCTION BUTTON HAVE TO BE HELD AT THE SAME TIME.

OPERATION FROM PLATFORM

1. COMPLETE STEPS 1 THROUGH 4 ON THE **OPERATION FROM GROUND STEPS.**
2. ONCE MACHINE IS LEVEL, TURN THE KEY SWITCH TO THE PLATFORM CONTROL DIRECTION.
3. PULL BOTH, THE GROUND AND THE PLATFORM RED EMERGENCY STOP BUTTONS.
4. PUSH AND HOLD THE APPROPRIATE FUNCTION ENABLE BUTTON.*
5. PUSH AND HOLD APPROPRIATE BOOM FUNCTION BUTTON.*

* BOTH, THE FUNCTION ENABLE AND THE FUNCTION BUTTON HAVE TO BE HELD AT THE SAME TIME.

OPERATING NOTES AND TIPS

LEVELLING THE BOOM

AUTO LEVEL: PUSH AND HOLD THE YELLOW FUNCTION ENABLE BUTTON. PUSH AND HOLD THE AUTO LEVEL BUTTON. THE OUTRIGGERS WILL LOWER AND ADJUST TO LEVEL THE MACHINE AND RAISE THE WHEELS OFF THE GROUND. LEVEL THE MACHINE USING ONLY THE OUTRIGGERS. USE THE BUBBLE LEVEL LOCATED BELOW THE GROUND CONTROLS TO MAKE SURE THE MACHINE IS LEVEL.

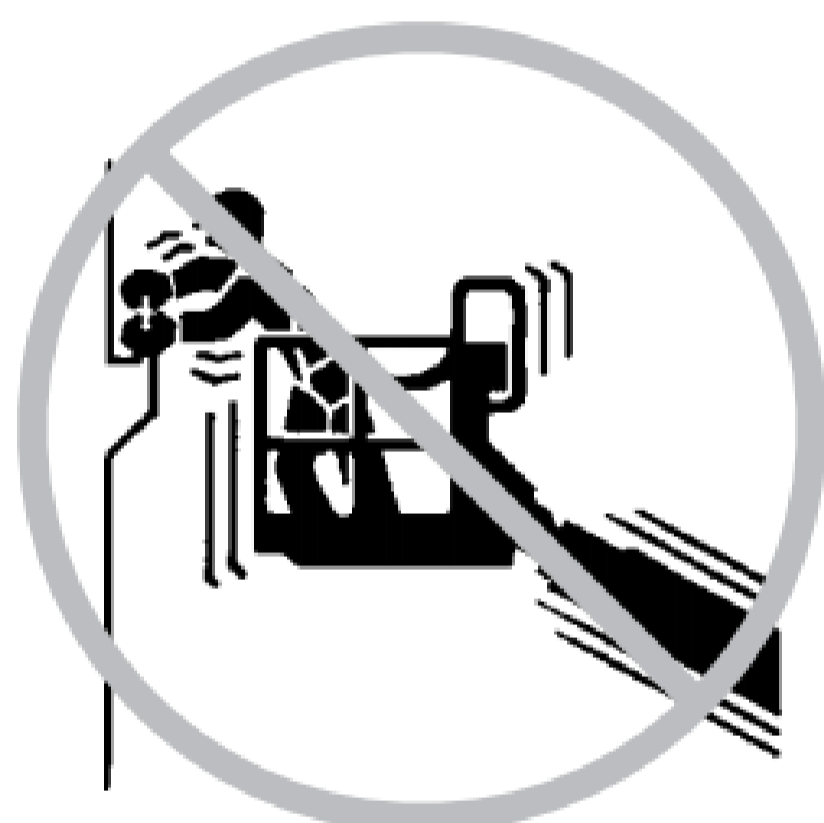


MANUAL LEVEL: PUSH AND HOLD THE YELLOW FUNCTION ENABLE BUTTON. PUSH AND HOLD EACH OUTRIGGER BUTTON TO LOWER THE OUTRIGGERS. ADJUST THE OUTRIGGERS TO LEVEL THE MACHINE AND RAISE THE WHEELS OFF THE GROUND. LEVEL THE MACHINE USING ONLY THE OUTRIGGERS. USE THE BUBBLE LEVEL LOCATED BELOW THE GROUND CONTROLS TO MAKE SURE THE MACHINE IS LEVEL.



IF THE MACHINE BEGINS TO BEEP WHILE YOU ARE IN THE AIR, THIS IS A WARNING THAT THE MACHINE MAY BECOME UNLEVEL. IN THIS SCENARIO, LOWER THE BOOM IMMEDIATELY, REPEAT THE MACHINE LEVELLING PROCESS. ONCE DONE, YOU ARE SAFE TO GO BACK IN THE AIR.

* THE MOST COMMON CAUSE FOR THIS IS LOOSE GRAVEL OR SOFT GROUND, ENSURE THAT THE GROUND IS CLEAR AND SOLID PRIOR TO SETTING UP THE MACHINE.



DO NOT PUSH OFF OR PULL TOWARD ANY OBJECT OUTSIDE THE BASKET. THIS WILL CREATE RESISTANCE AND CAN POTENTIALLY RESULT IN UNSTABLE SWAYING OF THE BOOM



DO NOT OPERATE THE MACHINE IN STRONG OR GUSTY WINDS. GENIE RECOMMENDS THAT MACHINE SHOULD NOT BE OPERATED WITH WINDS EXCEEDING 27mph.

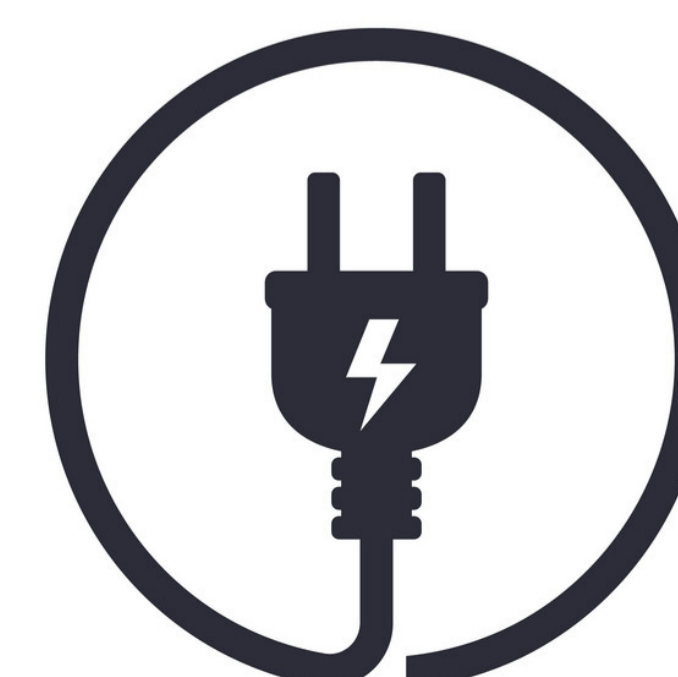
OCCUPANTS MUST WEAR A SAFETY BELT OR HARNESS AND COMPLY WITH APPLICABLE GOVERNMENTAL REGULATIONS. ATTACH THE LANYARD TO THE ANCHOR PROVIDED IN THE PLATFORM.



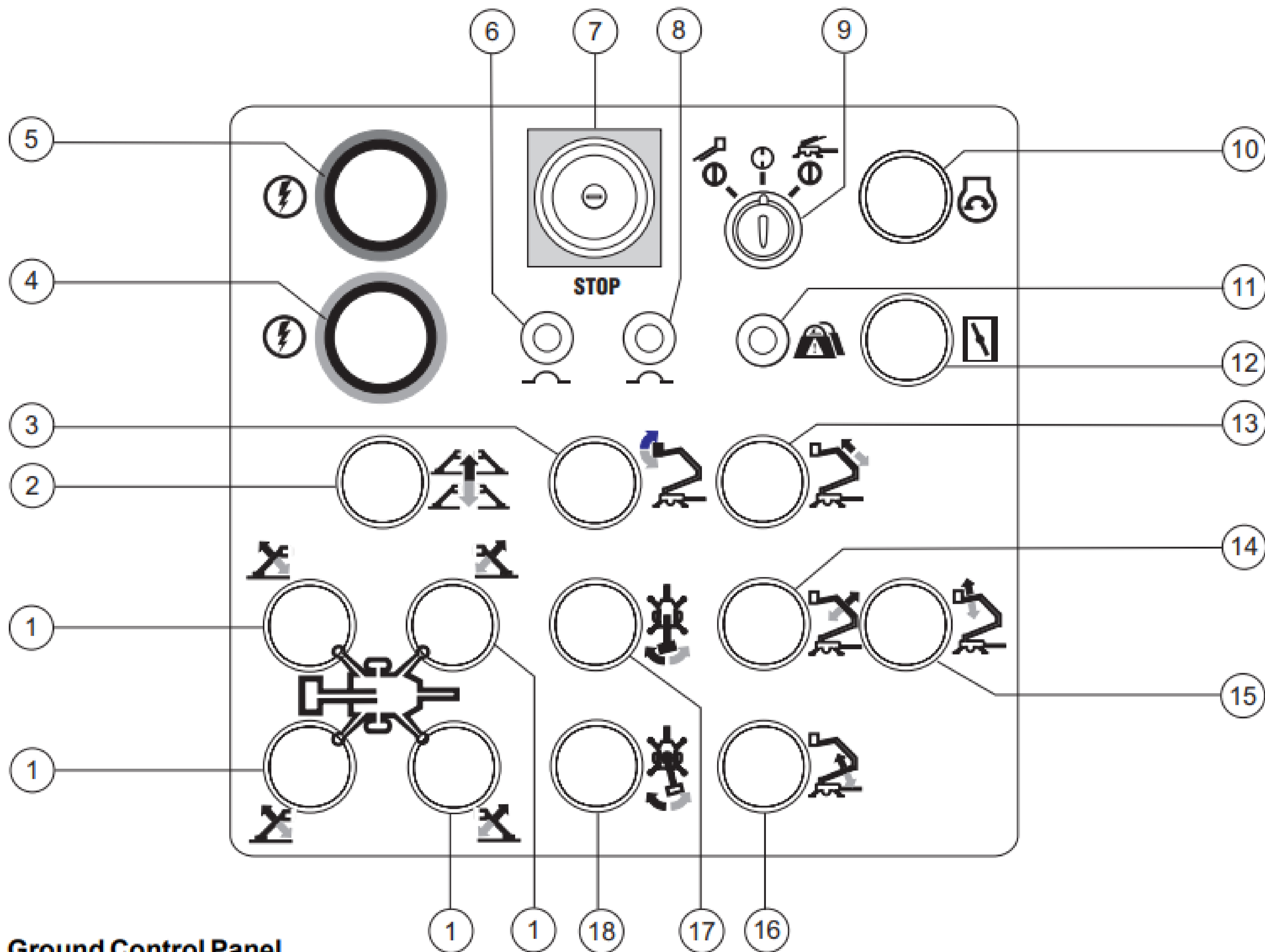
WHILE OPERATING THE BOOM IN COLDER TEMPERATURES, THE OPERATOR NEEDS TO BE COGNIZANT THAT THERE IS POTENTIAL FOR THE SWITCHES TO FREEZE. IF A FUNCTION IS NOT WORKING PROPERLY, LOWER THE BOOM, AND WARM UP THE CONTROL PANEL (IN ORDER TO THAW ANY FREEZING THAT MAY HAVE OCCURRED). IF CONTROL ISSUES PERSIST, CONTACT OUR SERVICE DEPARTMENT BEFORE PROCEEDING.

IF BATTERY LEVELS ARE GETTING LOW, PLUG THE BOOM INTO A 15a OR 20a WALL OUTLET. UNDER NO CIRCUMSTANCE SHOULD A BOOSTER PACK BE USED ON THE BATTERIES.

IT IS OKAY TO LEAVE THE BOOM PLUGGED IN WHILE OPERATING. THE CHARGER WILL AUTOMATICALLY TURN ON AND OFF DEPENDING ON THE LOAD APPLIED TO THE BATTERIES. ENSURE THAT THE BOOM IS CHARGED PRIOR TO RAISING THE BASKET. IT IS RECOMMENDED TO PLUG THE BOOM IN OVERNIGHT SO THAT IT IS FULLY CHARGED FOR THE NEXT WORKING DAY.



GROUND CONTROL PANEL



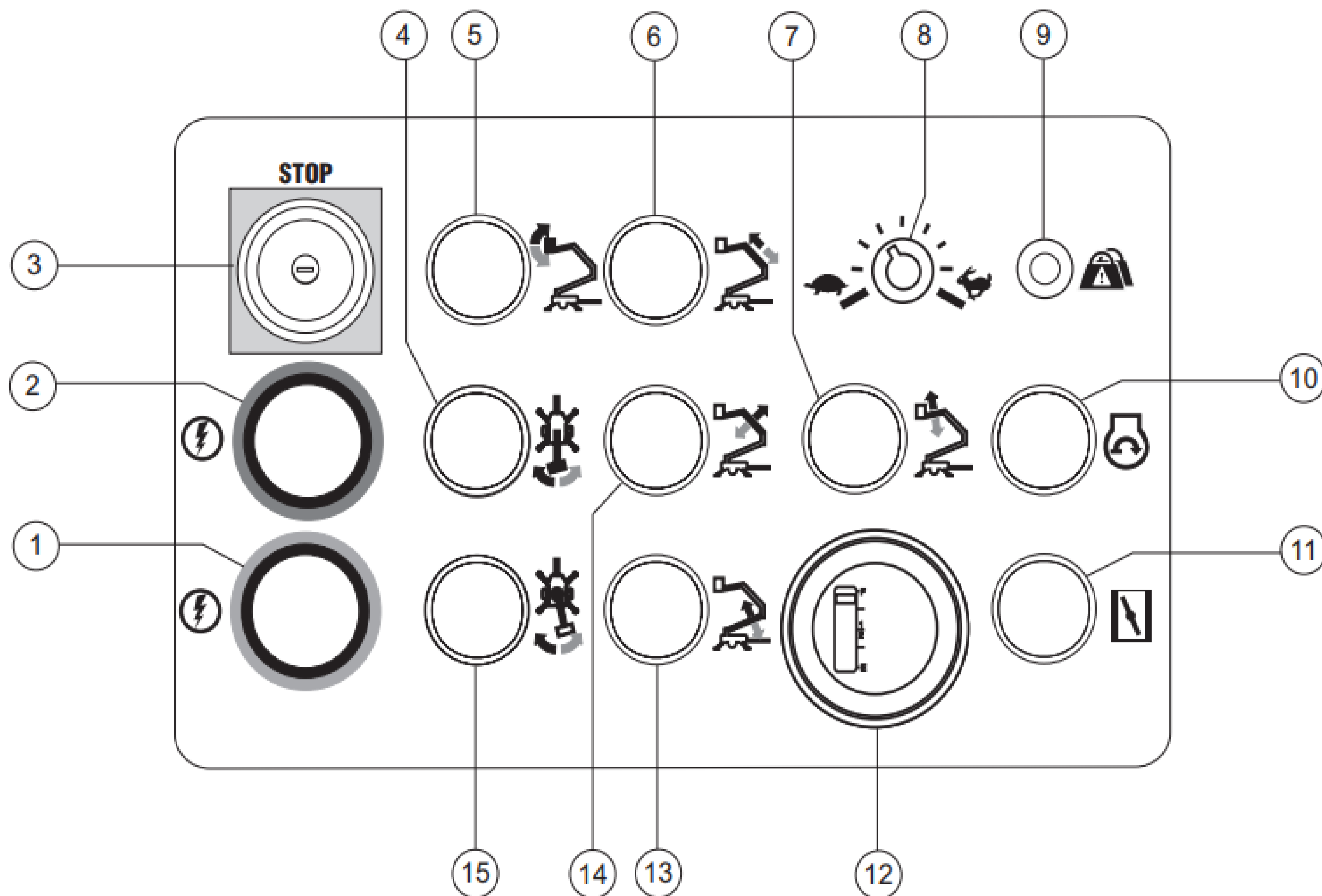
Ground Control Panel

- 1 Outrigger raise/lower button and indicator light (individual outrigger)
- 2 Outrigger auto level button
- 3 Platform level button
- 4 Function enable button for:
Platform down
Primary boom down
Primary boom retract
Secondary boom down
Jib boom down
Turntable rotate right
Platform rotate right
Outrigger lower

- 5 Function enable button for:
Platform up
Primary boom up
Primary boom extend
Secondary boom up
Jib boom up
Turntable rotate left
Platform rotate left
Outrigger raise
- 6 15 amp breaker for controls circuits
- 7 Red Emergency Stop button
- 8 15 amp breaker for engine controls (if equipped)
- 9 Key switch for platform/off/ground selection
- 10 Engine start button (if equipped)
- 11 Platform overload indicator light (if equipped)
- 12 Engine choke button (if equipped)
- 13 Primary boom extend/retract button
- 14 Primary boom up/down button
- 15 Jib boom up/down button
- 16 Secondary boom up/down button
- 17 Platform rotate button (if equipped)
- 18 Turntable rotate button

- 11 Platform overload indicator light (if equipped)
- 12 Engine choke button (if equipped)
- 13 Primary boom extend/retract button
- 14 Primary boom up/down button
- 15 Jib boom up/down button
- 16 Secondary boom up/down button
- 17 Platform rotate button (if equipped)
- 18 Turntable rotate button









PLATFORM CONTROL PANEL



Platform Control Panel

- | | | |
|---|---|--|
| <p>1 Function enable button for:
 Platform down
 Primary boom down
 Primary boom retract
 Secondary boom down
 Jib boom down
 Turntable rotate right
 Platform rotate right (if equipped)</p> | <p>3 Red Emergency Stop button</p> <p>4 Platform rotate button (if equipped)</p> <p>5 Platform level button</p> <p>6 Primary boom extend/retract</p> <p>7 Jib boom up/down button</p> | <p>10 Engine start button (if equipped)</p> <p>11 Engine choke button (if equipped)</p> <p>12 Battery charge indicator</p> <p>13 Secondary boom up/down button</p> <p>14 Primary boom up/down button</p> <p>15 Turntable rotate button</p> |
| <p>2 Function enable button for:
 Platform up
 Primary boom up
 Primary boom extend
 Secondary boom up
 Jib boom up
 Turntable rotate left
 Platform rotate left (if equipped)</p> | <p>8 Boom function speed controller</p> <p>9 Platform overload indicator light (if equipped)</p> | |

Specifications

MODEL	TZ-50	
Measurements	US	Metric
Working height*	55 ft 6 in	16.92 m
Platform height	49 ft 6 in	15.09 m
Entry height	1 ft 8 in	.51 m
Horizontal reach	29 ft 2 in	8.89 m
Clear outreach	23 ft 1 in	7.04 m
Up and over clearance	22 ft	6.71 m
 Platform length	2 ft 2.8 in	.68 m
 Platform width	3 ft 8 in	1.12 m
 Height - stowed	6 ft 10 in	2.08 m
 Length - stowed	23 ft 6 in	7.16 m
 Width - stowed	5 ft 6 in	1.68 m
 Ground clearance - center	10 in	.25 m
 Length - outrigger footprint	14 ft 4 in	4.37 m
 Width - outrigger footprint	14 ft 4 in	4.37 m

Productivity

Lift capacity (ANSI, CSA) - standard	500 lbs	227 kg
Lift capacity (ANSI, CSA) - rotating platform	500 lbs	227 kg
Lift capacity (CE/AUS) - standard	440 lbs	200 kg
Lift capacity (CE/AUS) - rotating platform	440 lbs	200 kg
Jib boom	4 ft 1 in	1.25 m
Jib working range	135°	
Self leveling platform	2.5° standard	
Platform rotation option	160° hydraulic	
AC power to platform	standard	
Turntable rotation	359° non-continuous	
Outrigger leveling capability	11°	
Drive speed	0.85 mph	1.37 km/h
Gradeability**	20%	
Towing speed rate	60 mph	97 km/h
Tongue weight - ANSI, CSA	400 lbs	181 kg
Tongue weight - CE	220 lbs	100 kg
Surge and parking brakes	standard	
Controls	variable speed system	
Tires - ANSI, CSA	ST 225/75 R15	
Tires - CE	215 R14C	
Coupler	combination hitch	

Power

Power source - standard	24V DC (four 6V 225 Ah batteries)
Power source - drive option	24V DC (four 6V 244 Ah batteries)
Power source - option	Hybrid DC/Gas Honda 5.5 hp (4.1 kW)
Fuel tank capacity	.95 gal 3.6 L
Hydraulic tank capacity	4.75 gal 18 L
Hydraulic system capacity	8.0 gal 30 L

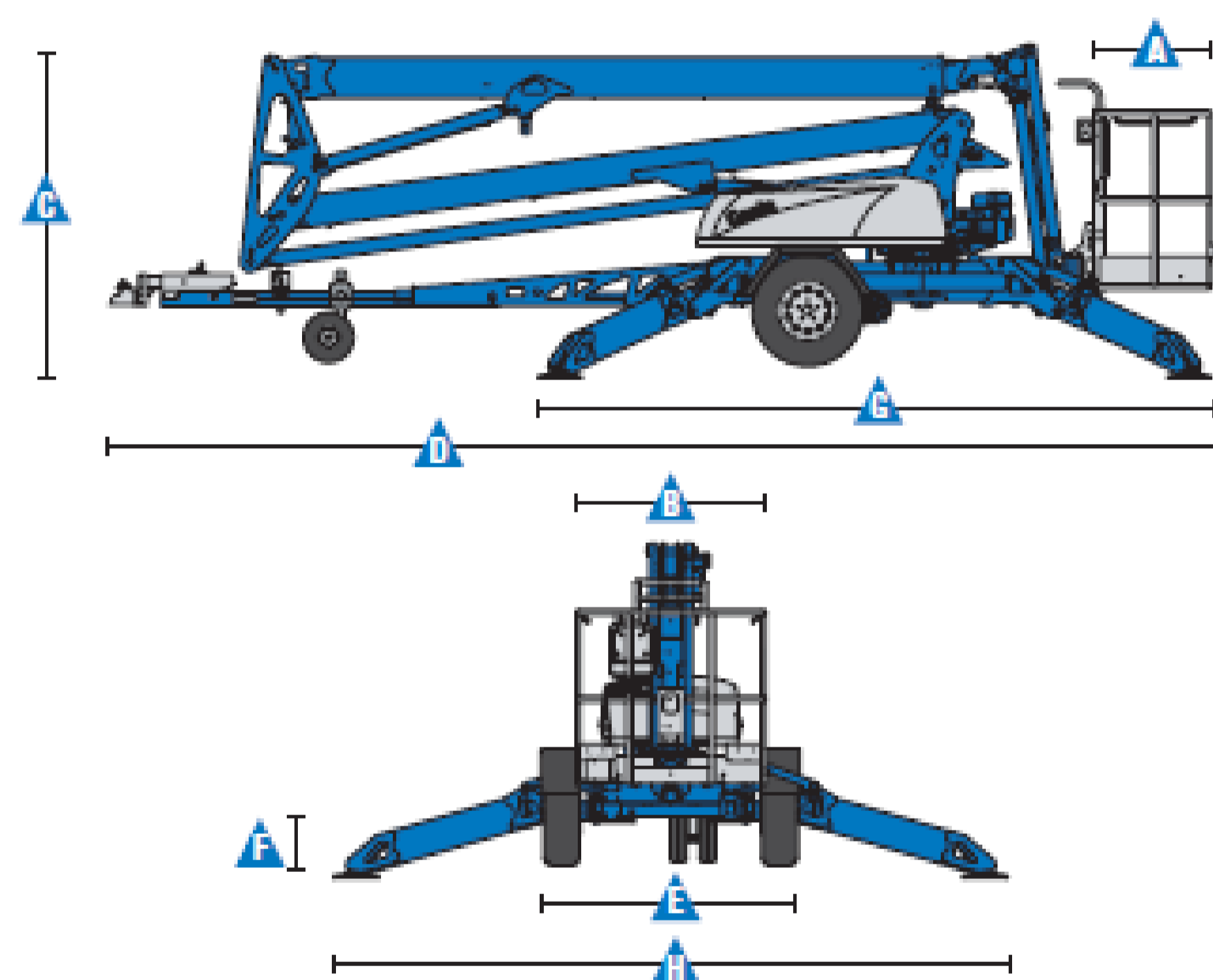
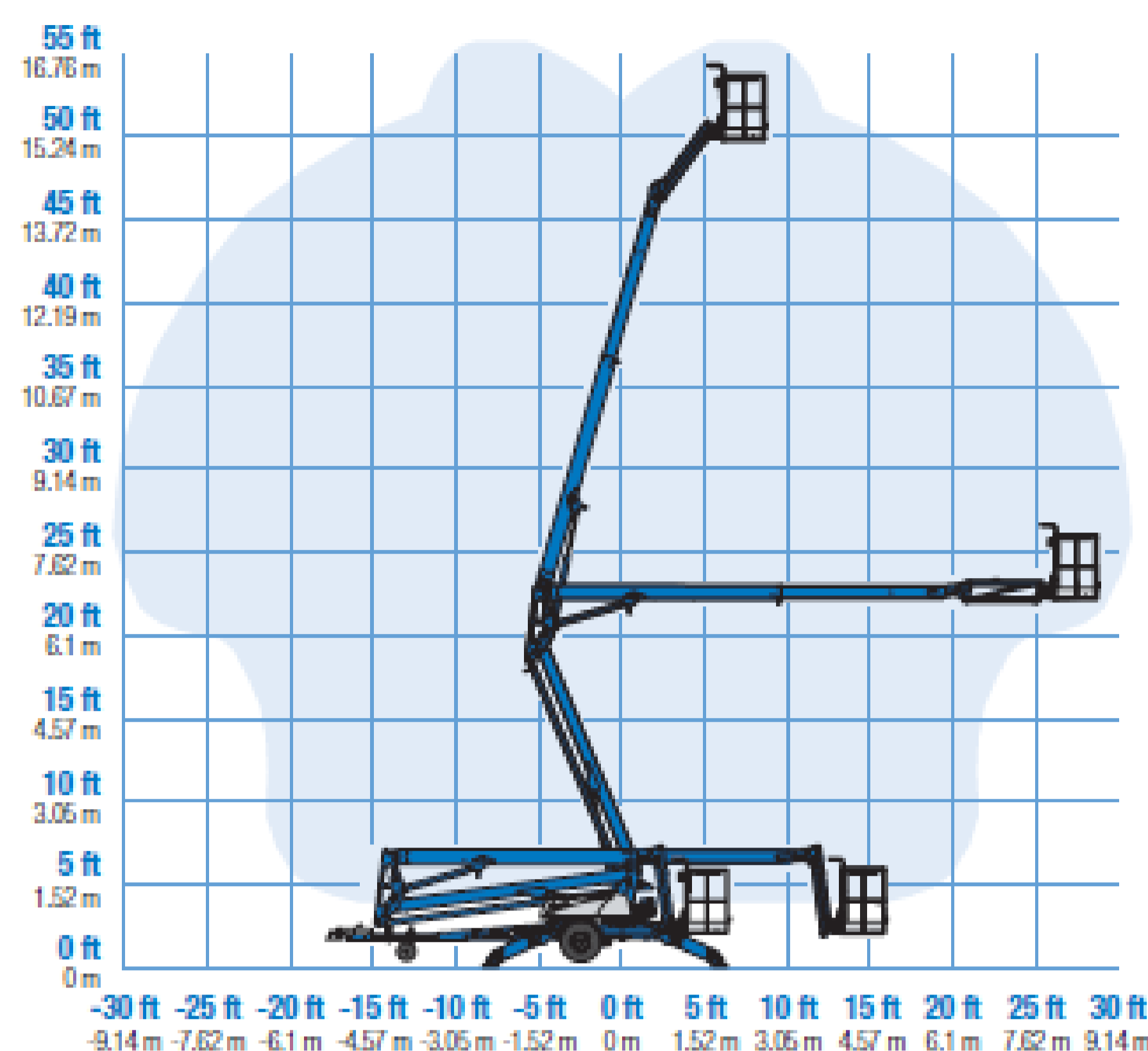
Weight***

ANSI, CSA, Australia	4,400 lbs	1,996 kg
CE	4,475 lbs	2,030 kg

Standards Compliance

ANSI A92.2, CSA C225, EN 280, AS 1418.10

Range Of Motion TZ-50



* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

** Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings.

*** Weight will vary depending on options and/or country standards.