Department Supervisor		Sign & Date
Fleet Manager	PM CODE	Sign & Date
Tech Services Review		Sign & Date

ATTACHMENT "A"

CITY OF LOS ANGELES SPECIFICATION

March 11, 2024/w/iws PR No.

> Spec No. 269-01 Budget ID. 220139

Articulating Lift, Self -Propelled

NOTICE: Complete all sections of this specification by insertion of "As Specified" or state deviations and exceptions where relevant, if not completed the bid may be considered non-responsive

GENERAL:		
	ulating Boom lift type platform shall be "Genie", Model	
	20N, or equal, with articulating boom mechanism secured to a	
	bropelled, electric-powered integral chassis frame. Platform be capable of providing:	
Shan		
А.	36ft- Working height (maximum).	
В.	21ft- Horizontal Reach (minimum).	Comply : 🗆
C.	Ground clearance of 3.5 inches (minimum)	Deviation: 🗆
D.	Platform rated capacity of 500 pounds (minimum).	
E.	Successfully perform static and dynamic stability test compliance per Section 4 of ANSI No. A92.6-1990.	
Indus	ulating Boom Lift shall comply with CAL OSHA General stry Safety Orders Article 24 and ANSI No. A92.6-1999, or as evised.	
GROSS VE	HICLE WEIGHT:	Comply :
14,42	21 pounds (maximum).	
		Deviation:
DIMENSIO		
	all Stowed Length 201inch (maximum).	Comply (
	all Width 33-inch (maximum). all Stowed Height (lowered) – 78.5-inch (maximum).	Comply :
	ing Radius (outside) –127-inch (maximum).	Deviation:
	elbase 62-inch (maximum).	

5,000 110. 209 01	
 PLATFORM: Work platform shall be tubular, welded construction, not less than 30-inch long x 46-inch wide. Platform shall have heavy duty square tube railing, midrail, non-slip diamond tread steel floor and 4-inch toe board. A sliding midrail section or spring-loaded inward opening gate shall be provided for easy access at ground level. Deck material shall be steel tread diamond plate. Platform shall be a hydraulically actuated, articulating lift mechanism type, attached to the integral chassis frame. Two operator safety belts with lanyard shall be provided. 	Comply : 🗆 Deviation : 🗆
LIFT ARMS: Shall be rectangular, roll-formed, high tensile steel tubular arms with cross tubes connected by high-tensile steel alloy zinc plated pins with self-lubricating composite bearings. Arm tubes shall have end caps. Hydraulic cylinders shall actuate lift arms with pilot operated, load holding valves.	Comply : 🗆 Deviation: 🗆
ELEVATION SYSTEM: Hydraulic cylinders shall operate platform elevation with pilot operated, load holding valves to prevent free descent in case of hydraulic line failure.	Comply : Deviation:
 PLATFORM CONTROL CONSOLE: Unit shall have full lift and drive controls at the platform. Controls shall include unit on/off switch, platform raise/lower, steer left/right, forward/rear drive, proportional speed controller, a horn button and an emergency shut off device. Controls shall be watertight and dust tight. Controls shall be identified with permanently engraved labels 	Comply : 🗆 Deviation : 🗆
SYSTEM TIMER: Inadvertent operation is reduced through an enable system timer that is activated by pressing a membrane switch to select a function.	Comply : Deviation:
GROUND CONTROL PANEL: Ground operator control station shall be provided with lift controls, platform/ground control selector switch, and unit on/off switch.	Comply : Deviation:
SAFETY GUARDS: Safety guards for protection from belts, pulleys, and other moving parts shall be provided.	Comply : Deviation:

Spec No. 269-01	
HYDRAULIC SYSTEM: The hydraulic system shall have hydraulic pumps directly coupled to electric motors as integral assemblies powered by the battery power supply.	
 Suppry. System shall have a 4-gallon (maximum) hydraulic fluid tank with breather cap, manual shut-off valve, suction strainer, 10-micron spin-on disposable filter in the return line and dipstick to check fluid level. Each cylinder shall have a pilot-operated holding valve to prevent creep and to lock cylinder in the event of line failure. System shall have a flow rate per manufacturer's design and a relief valve to limit system hydraulic pressure to the safe working level. 	Comply : 🗆 Deviation : 🗆
COMPARTMENT DESIGN: All electrical and hydraulic components shall be in a centralized location and housed in a modular tray. Component removal shall not be necessary for routine maintenance. Unbolting and pulling out of tray shall achieve access and repair.	Comply : 🗆 Deviation: 🗆
EMERGENCY LOWERING: Unit shall be provided with an emergency lowering means readily accessible from ground level to lower platform.	Comply : Deviation:
WHEEL DRIVE: Two (2) reversible electric wheel motors shall drive unit on front axle with parking brake. Motors shall provide 2-speed travel of up to 0.68 MPH (minimum), when platform is elevated and 3.0 MPH (minimum), when stowed.	Comply : 🗆 Deviation: 🗆
SERVICE BRAKES: Brakes shall be automatic spring applied and electrically released, capable of stopping and holding the platform unit on a grade up to 25 percent.	Comply : Deviation:
PARKING BRAKES: Unit shall have an auto parking brake engagement to lock brakes and hold unit on grade up to 25 percent.	Comply : Deviation:
AXLES: Capacity of axles shall be greater than the loaded weight of the unit.	Comply : Deviation:
STEERING: Electro-hydraulic steering.	Comply : Deviation:

Spec No. 209-01	
TIRES AND WHEELS: Four (4) 22 x 7 x 17.75 inch non-marking solid rubber tires mounted	Comply :
on steel disc rims.	Deviation:
POWER SUPPLY:	
Power source shall be a 48-volt (minimum), DC electrical system with Eight (8) (minimum), 6-volt, 350 amp-hour (minimum) batteries. Total battery capacity shall be sufficient for a normal 9- hour work shift. Battery compartments shall be swing-out type for ease of service.	Comply :□ Deviation:□
Batteries shall drive a 6 HP (minimum) D.C. electric motor. A microprocessor based solid-state controller shall regulate the motor speed.	
BATTERY CHARGER:	
Shall be a built-in, on board articulating lift unit, 24-volt, 20-amp, (minimum) battery charger with voltage sensor, which automatically shuts off when batteries are fully charged.	
Charger shall fully charge a partially discharged battery pack in not more than 8 hours, and a completely discharged battery pack in not more than 12 hours.	Comply :
more man 12 nours.	Deviation:
Charger shall be equipped with an electric cord having an equipment grounding conductor and plug compatible for connection in a Los Angeles City facility where regular nominal 115 volt, 60 Hz, single phase, AC voltage 3-wire grounded outlets are available.	
BATTERY CONNECTOR:	Comply : 🗆
Shall be an "Anderson" lockable-disconnect plug type, or equal,	
continuous duty rating battery connector.	Deviation:

Spec No. 2		
Sha	VAL EQUIPMENT: Il have all standard equipment listed in the brochure. If not listed tandard, the unit shall have the following:	
1.	Drive and work lights	
2.	Travel warning horn.	
3.	Low Voltage interrupt/Battery charge/discharge indicator.	
4.	Direct reading hour meter, shock mounted.	
5.	Key type on/off switch with "power-on" warning light on the platform.	
6.	Positive traction drive.	Comply :
7.	Install a 2.5-degree tilt alarm and light.	Deviation:
8.	800-Watt, 120V AC, Power Inverter with 110-volt outlet.	
9.	Two (2) fall protection devices.	
10.	Certificate of origin.	
11.	AGM Maintenance-free batteries.	
12.	Lift Guard Half Mesh panels with swing gate.	
13.	Biodegradable Hydraulic Oil.	
14.	Platform Auxiliary Top Rail	
LIGHTING		
All	lighting shall comply with the mounting and orientation ructions of Division 12, Chapter 2, of the State of California	Comply :
Veh	icle Code, and the Federal Motor Vehicle Safety Standards (VSS), as last revised.	Deviation:

March 11, 2024

Spec No. 269-01 WIRING: All new wiring, and all wiring that is exposed, shall be installed in flexible non-metallic conduit, with crimped connectors, all properly insulated. All wiring passing through partitions or bulkheads shall Comply : \Box have a rubber grommet at that point for chafe protection. All wiring shall be color or number coded. Deviation: All electrical circuits shall have circuit breaker protection devices. WELDING: Comply : \Box Welding fillets shall have good penetration, good fusion, good appearance, and shall show no cracks or undercutting. **Deviation**: WORKMANSHIP: Comply : \Box All workmanship, welding, and construction to be in the best manner of the trade. Shall be subject to inspection and approval by Harbor Department. **Deviation**: **PAINTING REQUIREMENTS:** All unwelded seams shall be sealed. All metal work shall be thoroughly cleaned. At least one coat of primer, a fog coat, and a Comply : \Box finish coat shall be applied with sufficient drying time between coats to produce a good finish, free of runs. All paintwork shall be **Deviation**: sprayed. COLOR: Comply : Manufacture standard color. **Deviation**:

Spec No. 269-01		
SPECIAL REQUIRE	EMENTS:	
Noise Emissio	ons:	
and He effect maxim	or Noise: Shall comply with the Occupational Safety ealth Act (OSHA) sound level (dbA) requirement in at time of award of contract, for an eight (8) hour num operator exposure time; measured at operator's ear ngine at governed RPM.	
Munic states and ag rotary derrich ditcher breake shall n with te Angele	or Noise: Shall comply with the Los Angeles tipal Code Section 112.05 Ordinance No. 161,574 which the maximum noise emitted by construction, industrial, gricultural machinery including crawler-tractor, dozers, drills and augers, loaders, power shovels, cranes, ks, motor graders, paving machines, off-highway trucks, rs, trenchers, compactors, scrapers, wagons, pavement ers, compressors and pneumatic or powered equipment not exceed 75 dbA at a distance of 50 feet, in conformity est procedure under Ordinance 156,363 of the Los es Municipal Code Section 111.02. Also, shall comply California Vehicle Code Noise Standards, Division 12 e 2.5	Comply :□ Deviation:□
MANUALS-PARTS The following delivered:	BOOKS: g shall be provided at the time the equipment is	
А.	Two (2) operators manuals.	
В.	One (1) operator manual-pak #9000-07	
C.	One (1) certified weight ticket of total tare weight.	Comply :
D.	One (1) aerial platform stability certificate, complete with certifying agent's worksheet of actual inspection and testing in conformance with ANSI A92.6 1990 or as last revised.	Deviation: 🗆
E.	One (1) certificate of origin.	
F.	Four (4) key sets.	

Articulated Boom Lifts

Genie® Z®-30/20N & Z-30/20N RJ

Specifications

Models	Z-30/20N		Z-30/20N RJ	
Measurements	US	Metric	US	Metric
Working height max. ⁽¹⁾	36 ft	11.14 m	35 ft 2 in	10.89 m
Platform height max.	30 ft	9.14 m	29 ft 2 in	8.89 m
Horizontal reach max.	21 ft 5 in	6.53 m	20 ft 6 in	6.25 m
Up and over clearance max.	12 ft 8 in	3.86 m	12ft 8in	3.86 m
Platform length	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
B Platform width	3 ft 10 in	1.17 m	3 ft 10 in	1.17 m
🕒 Height - stowed	6 ft 6.5 in	2.00 m	6 ft 6.5 in	2.00 m
Length - stowed	16 ft 9 in	5.11 m	17 ft 5 in	5.31 m
🕒 Storage height	6 ft 7 in	2.08 m	7 ft 4 in	2.24 m
Storage length	11 ft 6 in	3.5 m	12 ft	3.66 m
G Width	3 ft 11 in	1.19 m	3 ft 11 in	1.19 m
() Wheelbase	5 ft 2 in	1.58 m	5 ft 2 in	1.58 m
Ground clearance - center	3.5 in	0.09 m	3.5 in	0.09 m

Productivity

Douvor

500 lb	227 kg	500 lb	227 kg
18	0°	18	0°
4 ft	1.22 m	4 ft	1.22 m
13	9°	13	9°
_	-	18	0°
35	5°	35	5°
0 in	0 cm	0 in	0 cm
3.0 mph	4.8 km/h	3.0 mph	4.8 km/h
0.68 mph	1.1 km/h	0.68 mph	1.1 km/h
35	%	35	%
2.5°- 4.	5°/4.5°	2.5°- 4.	5°/4.5°
5ft 5in/10ft 7in	1.65 m/3.23 m	5ft 5in/10ft 7in	1.65 m/3.23 m
22×7×17.75 in	56×18×45 cm	22×7×17.75 in	56×18×45 cm
	18 4ft 13 	180° 4 ft 1.22 m 139°	180° 18 4 ft 1.22 m 4 ft 139° 13 — 18 355° 35 0 in 0 cm 3.0 mph 4.8 km/h 3.0 mph 4.8 km/h 35% 35 2.5° - 4.5° / 4.5° 2.5° - 4.5° 5ft 5in/10ft 7 in 1.65 m/3.23 m 5ft 5in/10ft 7 in

Power	48V DC (8	48V DC (8×6V 350 Ah)		
Auxiliary power unit	24V DC		24V DC	
Hydraulic tank capacity	4 gal	4 gal 15.1 L		15.1 L

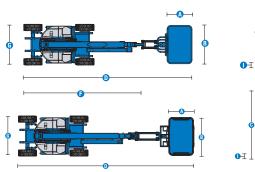
Weight ⁽³⁾ and Floor Loading ⁽⁴⁾				
Weight	14,421 lb	6,541 kg	14,562 lb	6,605 kg
Tire contact pressure	103 psi	710 kPa	103 psi	710 kPa
Occupied floor pressure (tires)	535 psf	25.62 kPa	537 psf	25.71 kPa

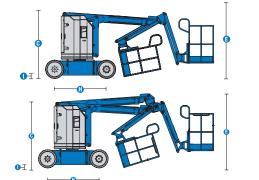
Sound and Vibration Levels

-A

Jenie

Sound Pressure level (ground workstation)	<70	dBA	< 70	dBA
Sound Pressure level (platform workstation)	< 70	dBA	< 70	dBA
Vibrations	8 ft 2 in/s ²	2.5 m/s ²	8 ft 2 in/s ²	2.5 m/s ²



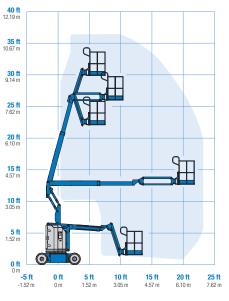


The metric equivalent of working height adds 2 m to platform height. The imperial equivalent adds 6ft to platform height.
 Gradeability applies to driving on slopes and may vary depending on options and machine configurations. See operator's manual for details regarding slope ratings.

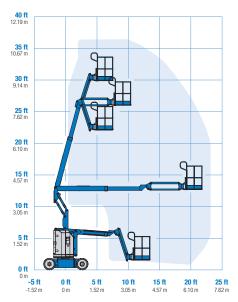
(3) Weight refers to standard configuration and may vary depending on options and/or country standards.

(4) Floor loading information is approximate and may vary depending on options and machine configurations. It should be used only with adequate safety factors.

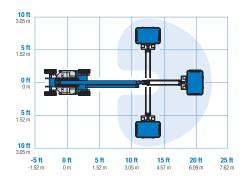
Range of motion Z-30/20N



Range of motion Z-30/20N RJ



Jib range of motion Z-30/20N RJ



Genie® Z®-30/20N & Z-30/20N RJ

SKU: Standard Model

- Z30N0001AE0001: Z-30/20N, DC Power, 2WD
- Z30NRJ01AE0003: Z-30/20N RJ, DC Power, 2WD
- Z30NRJ01AE0001: Z-30/20N RJ, DC Power, Swing gate, 2WD
- * Build to Order

Op	tion availability	S	S+	Bt0
Power	Standard FLA flooded lead acid battery	v	V	V
	AGM Maintenance-free batteries		0	0
	Battery charge indicator (BCI)			0
	Low voltage interrupt (LVI) with battery charge indicator (BCI)			0
	Power Inverter, 800W, 120V AC, 60Hz		0	0
Platform	3ft 10in/1.17m steel platform	~	V	V
	Air line to platform			0
	Aircraft protection kit			0
	Control box covers			0
	Lift Guard Half Mesh panels with swing gate			0
	Light Package: drive and work lights			0
	Platform auxiliary top rail			0
	Platform swing gate			0
	4ft/1.2m Jib	~	V	V
	AC Power cord to platform	~	V	V
	Drive enable system	~	V	V
	Horn	~	V	V
	Lift Guard Contact Alarm	~	V	~
	Platform load sense system	~	V	V
	Proportional controls	~	V	V
	Self-leveling platform	 	V	~
	Travel alarm package: flashing beacons, descent, travel and tilt alarms	~	V	V
Chassis	Lift Connect Telematics	~	V	V
	Lift Connect with Access Manager upgrade			0
	Biodegradable hydraulic oil			0
	Cold weather hydraulic oil			0
	Fire resistant hydraulic oil			0
	Hostile environment kit			0
	Chassis tilt drive function cut-out	~	V	~
	Dual parallelogram lift linkage	v	V	V
	Hour meter	~	V	V
	Solid, non-marking tires	~	V	V
	Zero tail swing	v	V	V





Rotating Jib



Genie Genuine Accessories⁽¹⁾

- Lift Tools Productivity Tools
- Lift Connect Telematics
- Tech Pro Link Handheld Device

(1) More accessories available from Genie Genuine Parts.

Product specifications are subject to change without notice or obligation. Photographs and/or drawings herein are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on proper equipment use. Failure to follow instructions in the Operator's Manual may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular of the part applicable to but equiphent is the standard writerit warranty applicable to the particular product and sale and we make no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or their subsidiaries in the USA and many other countries. Terex, Genie, Quality By Design, Xtra Capacity, Lift Power, Lift Guard, Lift Tools, Lift Connect and Tech Pro Link are registered trademarks of Terex Corporation or its subsidiaries. 07/22



