

924FE

BEV

OPERATING WEIGHT 58,422 - 61,950 lb (26,500 - 28,100 kg)	BUCKET CAPACITY 0.59 - 1.57 yd ³ (0.45 - 1.2 m ³)	BATTERY TYPE LFP
RATED STORAGE ENERGY 423/528 kWh	RATED POWER 154.2 hp (115 kW)	MOTOR TYPE PMSM



924FE
EXCAVATOR



SPECIFICATIONS

Operating weight	58,422 - 61,950 lb (26,500 - 28,100 kg)
Operating weight includes the machine weight with standard equipment, no additional equipment or accessories, full fuel and DEF tank, all fluids at required level and an operator 75 kg (165 lb).	
Bucket capacity	0.59 -1.57 yd³ (0.45-1.2 m³)

MOTOR	
Motor type	PMSM
Rated voltage	437 V
Insulation class	H
Motor rated power	154.2 hp (115 kW)
Motor power (peak)	214.6 hp (160 kW)
Rated torque	759.2 lbf-ft (560 N·m) @ 1,961 rpm
Peak torque	1,084.6 lbf-ft (800 N·m) @ 2,500 rpm
Cooling mode	Intelligent temperature control liquid cooling
IP code	IP67
Weight	348 lb (158 kg)

SWING SYSTEM	
Description	
Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.	
Swing speed	10.5 rpm
Swing torque	57,680 lbf-ft (78,200 N·m)

SOUND PERFORMANCE	
Interior sound level (ISO 6396)	68 dB(A)
Exterior sound level (ISO 6395)	99 dB(A)

BATTERY	
Battery type	Lithium-iron Phosphate (LFP, LiFePO4)
Battery voltage	618/656 V
Power battery capacity	423/528 kWh
IP level	IP68
Battery thermal management	Heating: Forced Liquid Heating
	Cooling: Forced Liquid cooling
One gun charging time (150 kW) (SOC15%~100%)	≤2.5 h (423 kWh) ≤3 h (528 kWh)

HYDRAULIC SYSTEM	
Main pump	
Type	Electronic variable pump
Maximum flow	2×60.2 gal/min (2×228 L/min)
Relief valve setting	
Primary system pressure (non-pressurized)	4,973 psi (34.3 MPa)
Primary system pressure (boost)	5,408 psi (37.3 MPa)
Pilot circuit	508-566 psi (3.5-3.9 MPa)

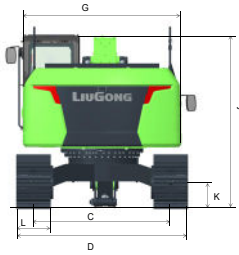
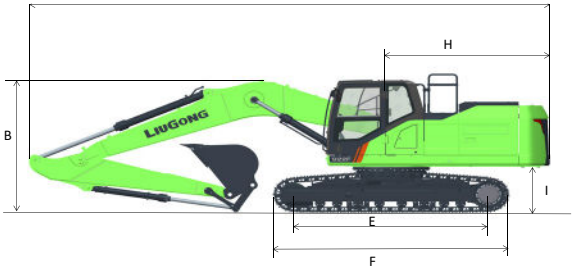
Hydraulic cylinders	
Boom cylinder - quantity - bore × rod diameter × stroke	2-φ4.7×3.3×4'4" (2-φ120×85×1,320 mm)
Arm cylinder - quantity - bore × rod diameter × stroke	1-φ5.3×3.7×4'11" (1-φ135×95×1,490 mm)
Bucket cylinder - quantity - bore × rod diameter × stroke	1-φ4.5"×3.1"×3'8" (1-φ115×80×1,120 mm)

DRIVE AND BRAKES	
Description	
2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.	
Max. Travel speed	High: 5.6 km/h Low: 3.3 km/h
Gradeability	35°
Max. Drawbar pull	49,458 lbf (220 kN)

UNDERCARRIAGE	
Track shoe each side	49
Shoe width, triple grouser	2' (600 mm)
Bottom rollers each side	8
Top rollers each side	2

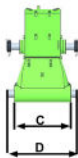
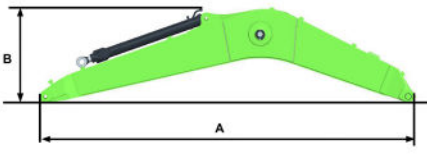
AIR CONDITIONING SYSTEM	
Colding capacity	12,000±10%
Heating capacity	7,000±10%
Heating and air supply volume	400 m³/h
Voltage	618/656 V.DC
Total power consumption	7,000 W

SERVICE CAPACITIES	
Washer	1.0 gal (3.8 L)
Refrigerant charge	1,200 ± 50 g
Hydraulic reservoir	29.6 gal (112 L)
Hydraulic system total	58.1 gal (220 L)



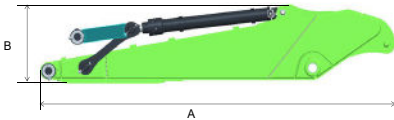
DIMENSIONS	924FE STANDARD CAB		TILTED CAB	HIGH RAISE CAB	924FELL
Boom length	18'9" (5,710 mm)	18'9" (5,710 mm)	18'9" (5,710 mm)	18'9" (5,710 mm)	29'5" (8,850 mm)
Arm length	9'7" (2,915 mm)	7'11" (2,400 mm)	9'7" (2,915 mm)	9'7" (2,915 mm)	20'6" (6,250 mm)
A. Shipping length	32'6" (9,910 mm)	32'8" (9,960 mm)	32'6" (9,910 mm)	32'6" (9,910 mm)	43'2" (13,150 mm)
B. Shipping height (top of boom hose)	10' (3,050 mm)	10'6" (3,200 mm)	10' (3,050 mm)	10' (3,050 mm)	10'10" (3,305 mm)
C. Track gauge	7'10" (2,390 mm)	7'10" (2,390 mm)	7'10" (2,390 mm)	7'10" (2,390 mm)	7'10" (2,390 mm)
D. Undercarriage width-- 24" (600 mm) shoes	9'8" (2,990 mm)	9'8" (2,990 mm)	9'8" (2,990 mm)	9'8" (2,990 mm)	/
28" (700 mm) shoes	10'2" (3,090 mm)	10'2" (3,090 mm)	10'2" (3,090 mm)	10'2" (3,090 mm)	/
32" (800 mm) shoes	10'6" (3,190 mm)	10'6" (3,190 mm)	10'6" (3,190 mm)	10'6" (3,190 mm)	10'6" (3,190 mm)
E. Length to center of rollers	12'7" (3,840 mm)	12'7" (3,840 mm)	12'7" (3,840 mm)	12'7" (3,840 mm)	12'7" (3,840 mm)
F. Track length	15'3" (4,635 mm)	15'3" (4,635 mm)	15'3" (4,635 mm)	15'3" (4,635 mm)	15'3" (4,635 mm)
G. Overall width of upper structure	9'4" (2,835 mm)	9'4" (2,835 mm)	9'4" (2,835 mm)	9'4" (2,835 mm)	9'4" (2,835 mm)
G(i). Width of upper including SIPS*	9'5" (2,875 mm)	9'5" (2,875 mm)	9'5" (2,875 mm)	9'5" (2,875 mm)	9'5" (2,875 mm)
H. Tail swing radius	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)
I. Counterweight ground clearance	3'6" (1,060 mm)	3'6" (1,060 mm)	3'6" (1,060 mm)	3'6" (1,060 mm)	3'6" (1,060 mm)
J. Overall height of cab	9'9" (2,980 mm)	9'9" (2,980 mm)	9'9" (2,980 mm)	9'9" (2,980 mm)	9'9" (2,980 mm)
J(i). Height of cab including lighting halo	10' (3,065 mm)	10' (3,065 mm)	10' (3,065 mm)	10' (3,065 mm)	10' (3,065 mm)
J(ii). Height of cab including FOPS guard	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)	10'3" (3,130 mm)
K. Min. Ground clearance	1'7" (470 mm)	1'7" (470 mm)	1'7" (470 mm)	1'7" (470 mm)	1'7" (470 mm)
L. Track shoe width	2' (600 mm)	2' (600 mm)	2' (600 mm)	2' (600 mm)	2'7" (800 mm)

*SIPS = Side impact protection system

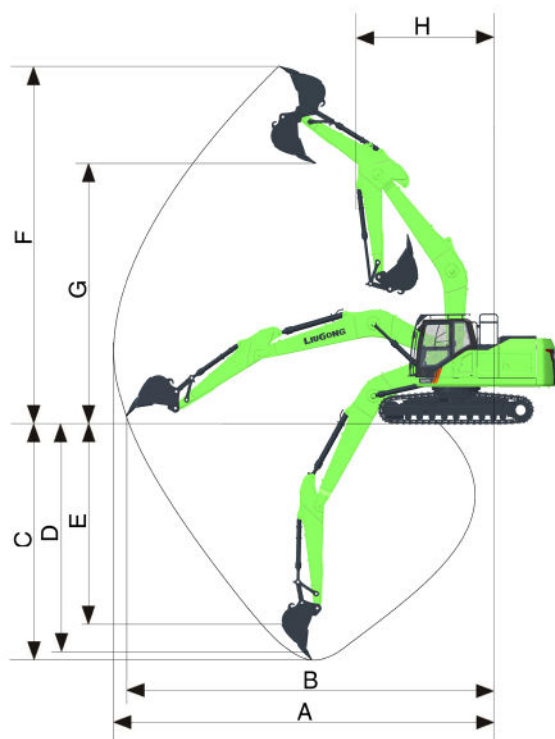


BOOM DIMENSIONS		
Boom	18'9" (5,710 mm)	29'5" (8,850 mm)
A Length	19'4" (5,898 mm)	29'9" (9,080 mm)
B Height	5'7" (1,690 mm)	4'9" (1,460 mm)
C Width	2'0" (622 mm)	2'0" (622 mm)
D Width	2'7" (788 mm)	2'7" (788 mm)
Weight	4,564 lb (2,070 kg)	6,207 lb (2,815 kg)

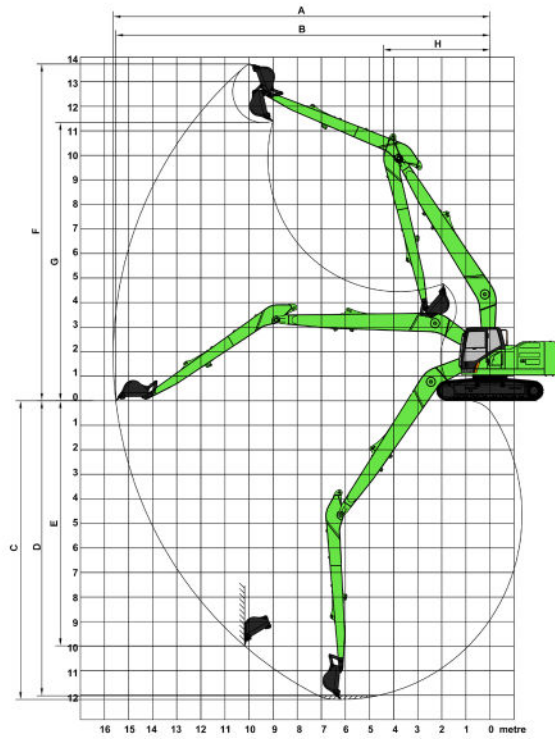
Includes arm cylinder, piping and pin.



ARM DIMENSIONS			
Arm	9'7" (2,915 mm)	7'11" (2,400 mm)	20'6" (6,250 mm)
A Length	12'10" (3,918 mm)	11'1" (3,375 mm)	24 1" (7,350 mm)
B Height	2'9" (826 mm)	2'8" (820 mm)	2'9" (830 mm)
C Width	1'7" (476 mm)	1'7" (476 mm)	1'3" (368 mm)
Weight	2,458 lb (1,115 kg)	2,271 lb (1,030 kg)	3,053 lb (1,385 kg)
Includes bucket cylinder, linkage and pin.			



WORKING RANGE		924FE STANDARD CAB		TILTING CAB	HIGH RAISE CAB
Boom length		18'9" (5,710 mm)	18'9" (5,710 mm)	18'9" (5,710 mm)	18'9" (5,710 mm)
Arm length		9'7" (2,915 mm)	7'10" (2,400 mm)	9'7" (2,915 mm)	9'7" (2,915 mm)
A. Max. Digging reach		32'5" (9,870 mm)	31'3" (9,530 mm)	32'5" (9,870 mm)	32'5" (9,870 mm)
B. Max. Digging reach on ground		31'11" (9,720 mm)	30'9" (9,360 mm)	31'11" (9,720 mm)	31'11" (9,720 mm)
C. Max. Digging depth		22' (6,700 mm)	20'6" (6,250 mm)	22' (6,700 mm)	22' (6,700 mm)
D. Max. Digging depth, 2.44 m (8') level		21'5" (6,540 mm)	19'10" (6,050 mm)	21'5" (6,540 mm)	21'5" (6,540 mm)
E. Max. Vertical wall digging depth		15'10" (4,820 mm)	16'12" (5,175 mm)	15'10" (4,820 mm)	15'10" (4,820 mm)
F. Max. Cutting height		31'11" (9,740 mm)	32'2" (9,810 mm)	31'11" (9,740 mm)	31'11" (9,740 mm)
G. Max. Dumping height		23' (7,000 mm)	23' (7,010 mm)	23' (7,000 mm)	23' (7,000 mm)
H. Min. Front swing radius		10'3" (3,135 mm)	10'6" (3,210 mm)	10'3" (3,135 mm)	10'3" (3,135 mm)
Arm digging force (ISO)	Normal	21,694 lbf (97 kN)	26,078 lbf (116 kN)	21,694 lbf (97 kN)	21,694 lbf (97 kN)
	Power Boost	23,605 lbf (105 kN)	28,326 lbf (126 kN)	23,605 lbf (105 kN)	23,605 lbf (105 kN)
Bucket digging force (ISO)	normal	31,473 lbf (140 kN)	31,473 lbf (140 kN)	31,473 lbf (140 kN)	31,473 lbf (140 kN)
	Power Boost	34,283 lbf (152.5 kN)	34,283 lbf (152.5 kN)	34,283 lbf (152.5 kN)	34,283 lbf (152.5 kN)
Bucket capacity		1.44 yd ³ (1.1 m ³)	1.44 yd ³ (1.1 m ³)	1.44 yd ³ (1.1 m ³)	1.44 yd ³ (1.1 m ³)
Bucket tip radius		4'10" (1,478 mm)	4'10" (1,478 mm)	4'10" (1,478 mm)	4'10" (1,478 mm)



WORKING RANGE		924FELL
Boom length		29'5" (8,850 mm)
Arm length		20'6" (6,250 mm)
A. Max. Digging reach		51'4" (15,635 mm)
B. Max. Digging reach on ground		50'11" (15,530 mm)
C. Max. Digging depth		39'11" (12,170 mm)
D. Max. Digging depth, 2.44 m (8') level		39'7" (12,070 mm)
E. Max. Vertical wall digging depth		32'8" (9,950 mm)
F. Max. Cutting height		45'1" (13,730 mm)
G. Max. Dumping height		37'2" (11,340 mm)
H. Min. Front swing radius		14'6" (4,410 mm)
Arm digging force (ISO)	Normal	11,915 lbf (53 kN)
	Power boost	/
Bucket digging force (ISO)	Normal	15,512 lbf (69 kN)
	Power boost	/
Bucket capacity		0.59 yd ³ (0.45 m ³)
Bucket tip radius		4'2" (1,260 mm)

MACHINE WEIGHTS AND GROUND PRESSURE						
924FE (Standard cab)				924FLL		
	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
Shoe width	18'9" (5,710 mm) boom, 9'7" (2,915 mm) arm, 1.44 yd³ (1.1 m³) bucket, 3,086 lb (1,400 kg) counterweight			29'5" (8,850 mm) boom, 20'6" (6,250 mm) arm, 0.59 yd³ (0.45 m³) bucket, 5,512 lb (2,500 kg) counterweight		
24" (600 mm)	58,423 lb (26,500 kg)	6.6 psi (45.4 kPa)	9'10" (2,990 mm)	-	-	-
28" (700 mm)	59,040 lb (26,780 kg)	5.7 psi (39.6 kPa)	10'2" (3,090 mm)	-	-	-
32" (800 mm)	59,668 lb (27,065 kg)	5.1 psi (35.1 kPa)	10'6" (3,190 mm)	27,500 kg (60,627 lb)	34.5 kPa (5.0 psi)	3,190 mm (10'6")

MACHINE WEIGHTS AND GROUND PRESSURE						
924FE (Tilt-Up cab)				924FE (High rise cab)		
	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
Shoe width	18'9" (5,710 mm) boom, 9'7" (2,915 mm) arm, 1.44 yd³ (1.1 m³) bucket, 3,086 lb (1,400 kg) counterweight			18'9" (5,710 mm) boom, 9'7" (2,915 mm) arm, 1.44 yd³ (1.1 m³) bucket, 3,086 lb (1,400 kg) counterweight		
600 mm (24")	58,423 lb (26,500 kg)	6.6 psi (45.5 kPa)	9'10" (2,990 mm)	61,950 lb (28,100 kg)	6.2 psi (43.0 kPa)	9'10" (2,990 mm)

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth EA	Work implement type		
					18'9" (5,710 mm) Boom	29'5" (8,850 mm) Boom	
					7'10" (2,400 mm) Arm	9'7" (2,915 mm) Arm	20'6" (6,250 mm) Arm
General type	0.59 yd³ (0.45 m³)	2'10" (865 mm)	838 lb (380 kg)	4	NA	NA	B
Earth type	1.18 yd³ (0.9 m³)	3'11" (1,200 mm)	1,625 lb (737 kg)	5	B	B	NA
Earth type	1.31 yd³ (1.0 m³)	4'2" (1,260 mm)	1,717 lb (779 kg)	5	B	B	NA
Earth type	1.44 yd³ (1.1 m³)	4'4" (1,330 mm)	1,775 lb (805 kg)	5	B	B	NA
Earth type	1.57 yd³ (1.2 m³)	4'7" (1,390 mm)	1,841 lb (835 kg)	5	B	B	NA
General type	1.31 yd³ (1.0 m³)	4'2" (1,260 mm)	2,178 lb (988 kg)	5	C	C	NA
General type	1.44 yd³ (1.1 m³)	4'4" (1,330 mm)	2,260 lb (1,025 kg)	5	C	C	NA
Rock type	1.31 yd³ (1.0 m³)	4'3" (1,300 mm)	2,247 lb (1,019 kg)	5	D	D	NA
Rock type	1.44 yd³ (1.1 m³)	4'6" (1,370 mm)	2,346 lb (1,064 kg)	5	D	D	NA

The recommendations are given as a guide only, based on typical operation conditions.Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A. 2,023-2,191 lb/yd³ (1,200-1,300 kg/m³) : coal, caliche, shale
B. 2,360-2,697 lb/yd³ (1,400-1,600 kg/m³) : wet earth and clay, limestone, sandstone
C. 2,865-3,034 lb/yd³ (1,700-1,800 kg/m³) : granite, wet sand, well blasted rock
D. 3,203 lb/yd³ (1,900 kg/m³) : wet mud, Iron ore
NA. Not applicable

Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
Lifting capacities are based on the machine standing on a firm, uniform suppo



1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.

3. Ratings at bucket-to-arm pin centerline.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

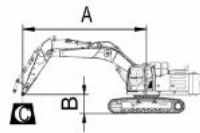
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 9'7" arm & 32" shoes

Conditions:

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 32" triple grouser
Cab: Standard Cab
Unit: lb



		A (Unit: ft)												
B (ft)		10		15		20		25		26		Max Reach		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25	lb					*9,392	*9,392					*8,633	*8,633	20
20	lb					*10,124	*10,124					*8,505	*8,505	24
15	lb			*12,749	*12,749	*11,197	*11,197	*10,525	*10,525			*8,472	*8,472	26
10	lb			*16,442	*16,442	*12,901	*12,901	*11,263	11,012	*10,957	9,985	*8,358	*8,358	27
5	lb			*19,914	*19,914	*14,672	14,379	*12,150	10,609	*11,607	9,685	*8,675	*8,675	28
0	lb	*13,364	*13,364	*21,839	20,128	*15,953	13,772	12,745	10,287	11,643	9,447	*9,848	9,143	27
-5	lb	*22,498	*22,498	*22,119	19,815	*16,372	13,490	12,639	10,163			12,006	9,844	25
-10	lb	*29,623	*29,623	*20,849	19,972	*15,532	13,561					*13,254	11,621	22
-15	lb	*24,068	*24,068	*17,247	*17,247							*13,924	*13,924	18

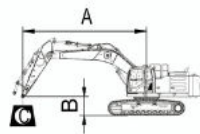
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,915 mm arm & 800 mm shoes

Conditions:

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 800 mm triple grouser
Cab: Standard Cab
Unit: kg



		A (Unit: m)												
B (m)		3		4.5		6		7.5		8		Max Reach		A (m)
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7.5	kg					*4,260	*4,260					*3,916	*3,916	6.1
6.0	kg					*4,592	*4,592					*3,858	*3,858	7.2
4.5	kg			*5,783	*5,783	*5,079	*5,079	*4,774	*4,774			*3,843	*3,843	7.9
3.0	kg			*7,458	*7,458	*5,852	*5,852	*5,109	4,995	*4,970	4,529	*3,791	*3,791	8.3
1.5	kg			*9,033	*9,033	*6,655	6,522	*5,511	4,812	*5,265	4,393	*3,935	*3,935	8.4
0	kg	*6,062	*6,062	*9,906	9,130	*7,236	6,247	5,781	4,666	5,281	4,285	*4,467	4,147	8.2
-1.5	kg	*10,205	*10,205	*10,033	8,988	*7,426	6,119	5,733	4,610			5,446	4,465	7.7
-3.0	kg	*13,437	*13,437	*9,457	9,059	*7,045	6,151					*6,012	5,271	6.8
-4.5	kg	*10,917	*10,917	*7,823	*7,823							*6,316	*6,316	5.4

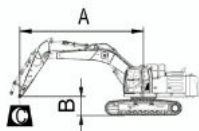
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 9'7" arm & 32" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 32" triple grouser
Cab: tilt-Up Cab
Unit: lb



A (Unit: ft)												
B (ft)	5		10		15		20		25		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25	lb						*9,306	*9,306			*8,552	*8,552
20	lb						*10,017	*10,017			*8,427	*8,427
15	lb				*12,618	*12,618	*11,077	*11,077	*10,410	10,336	*8,394	*8,394
10	lb				*16,267	*16,267	*12,762	*12,762	*11,139	10,074	*8,280	*8,280
5	lb				*19,700	19,294	*14,513	13,165	*12,015	9,769	*8,595	8,354
0	lb			*13,244	*13,244	*21,600	18,556	*15,778	12,709	*12,673	9,529	*9,755
-5	lb	*14,413	*14,413	*22,297	*22,297	*21,877	18,321	*16,192	12,497	*12,698	9,435	*11,895
-10	lb	*23,601	*23,601	*29,297	*29,297	*20,620	18,437	*15,358	12,550			*13,105
-15	lb			*23,796	*23,796	*17,052	*17,052					*13,767

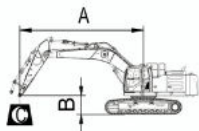
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,915 mm arm & 800 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 800 mm triple grouser
Cab: tilt-Up Cab
Unit: kg



A (Unit: m)												
B (m)	1.5		3		4.5		6		7.5		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5	kg						*4,221	*4,221			*3,879	*3,879
6.0	kg						*4,544	*4,544			*3,822	*3,822
4.5	kg				*5,723	*5,723	*5,024	*5,024	*4,722	4,688	*3,807	*3,807
3.0	kg				*7,379	*7,379	*5,789	*5,789	*5,053	4,570	*3,756	*3,756
1.5	kg				*8,936	8,752	*6,583	5,972	*5,450	4,431	*3,899	3,789
0	kg			*6,007	*6,007	*9,798	8,417	*7,157	5,765	*5,749	4,322	*4,425
-1.5	kg	*6,538	*6,538	*10,114	*10,114	*9,923	8,310	*7,345	5,668	*5,760	4,280	*5,396
-3.0	kg	*10,705	*10,705	*13,289	*13,289	*9,353	8,363	*6,966	5,693			*5,944
-4.5	kg			*10,794	*10,794	*7,735	*7,735					*6,245

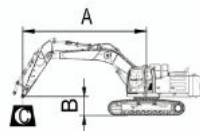
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 9'7" arm & 32" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 32" triple grouser
Cab: high rise Cab
Unit: lb



A (Unit: ft)												
B (ft)	5		10		15		20		25		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25	lb						*9,306	*9,306			*8,552	*8,552
20	lb						*10,017	*10,017			*8,427	*8,427
15	lb				*12,618	*12,618	*11,077	*11,077	*10,410	*10,410	*8,394	*8,394
10	lb				*16,267	*16,267	*12,762	*12,762	*11,139	*11,139	*8,280	*8,280
5	lb				*19,700	*19,700	*14,513	*14,513	*12,015	10,882	*8,595	*8,595
0	lb			*13,244	*13,244	*21,600	20,680	*15,778	14,170	*12,673	10,642	*9,755
-5	lb	*14,413	*14,413	*22,297	*22,297	*21,877	20,444	*16,192	13,957	*12,698	10,548	*11,895
-10	lb	*23,601	*23,601	*29,297	*29,297	*20,620	20,561	*15,358	14,010			*13,105
-15	lb			*23,796	*23,796	*17,052	*17,052					*13,767

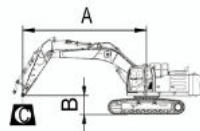
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,915 mm arm & 800 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 800 mm triple grouser
Cab: high rise Cab
Unit: kg



A (Unit: m)												
B (m)	1.5		3		4.5		6		7.5		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5	kg						*4,221	*4,221			*3,879	*3879
6.0	kg						*4,544	*4,544			*3,822	*3,822
4.5	kg				*5,723	*5,723	*5,024	*5,024	*4,722	*4,722	*3,807	*3,807
3.0	kg				*7,379	*7,379	*5,789	*5,789	*5,053	*5,053	*3,756	*3,756
1.5	kg				*8,936	*8,936	*6,583	*6,583	*5,450	4,936	*3,899	*3,899
0	kg			*6,007	*6,007	*9,798	9,380	*7,157	6,427	*5,749	4,827	*4,425
-1.5	kg	*6,538	*6,538	*10,114	*10,114	*9,923	9,273	*7,345	6,331	*5,760	4,784	*5,396
-3.0	kg	*10,705	*10,705	*13,289	*13,289	*9,353	9,326	*6,966	6,355			*5,944
-4.5	kg			*10,794	*10,794	*7,735	*7,735					*6,245

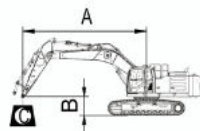
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 7'10" arm & 32" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 18'9"
Arm length: 7'10"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 32" triple grouser
Cab: Standard Cab
Unit: lb



A (Unit: ft)												
B (ft)	10		15		20		25		26		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25	lb										*11,413	*11,413
20	lb						*11,336	*11,336			*10,174	*10,174
15	lb			*19,749	*19,749	*14,343	*14,343	*12,267	*12,267		*10,858	*10,858
10	lb					*17,976	*17,976	*13,854	*13,854	*12,050	11,740	*11,180
5	lb					*21,048	*21,048	*15,435	*15,293	*12,763	11,400	*11,854
0	lb					*22,333	21,475	*16,438	*14,793	*13,188	11,160	*12,846
-5	lb	*17,174	*17,174	*24,319	*24,319	*22,029	21,363	*16,488	*14,625			*13,420
-10	lb	*30,907	*30,907	*27,593	*27,593	*20,133	*20,133	*14,950	*14,864			*14,293
-15	lb			*20,935	*20,935	*15,069	*15,069					*14,242

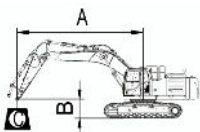
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,400 mm arm & 800 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 5,710 mm
Arm length: 2,400 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 800 mm triple grouser
Cab: Standard Cab
Unit: kg



A (Unit: m)												
B (m)	3		4.5		6		7.5		8		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5	kg										*5,177	*5,177
6.0	kg						*5,142	*5,142			*4,615	*4,615
4.5	kg			*8,958	*8,958	*6,506	*6,506	*5,564	*5,564		*4,925	*4,925
3.0	kg					*8,154	*8,154	*6,284	*6,284	*5,466	5,325	*5,071
1.5	kg					*9,547	*9,547	*7,001	6,937	*5,789	5,171	*5,377
0	kg					*10,130	9,741	*7,456	6,710	*5,982	5,062	*5,827
-1.5	kg	*7,790	*7,790	*11,031	*11,031	*9,992	9,690	*7,479	6,634			*6,087
-3.0	kg	*14,019	*14,019	*12,516	*12,516	*9,132	*9,132	*6,781	6,742			*6,483
-4.5	kg			*9,496	*9,496	*6,835	*6,835					*6,460

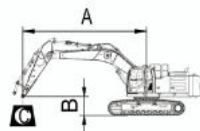
LIFTING CAPACITY (IMPERIAL)

924FE with 29'5" boom, 20'6" arm & 32" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 29'5"
Arm length: 20'6"
Bucket: None
Counterweight: 5,512 lb
Track gauge: 7'10"
Shoes: 32" triple grouser
Cab: Standard Cab
Unit: lb



A (Unit: ft)												
B (ft)	15		25		34		44		46		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25	lb				*4,070	*4,070					*4,092	*4,092
20	lb				*4,189	*4,189					*4,154	3,785
15	lb			*5,807	*5,807	*4,848	*4,848	*4,433	3,393	*4,400	3,133	*4,061
10	lb	*14,498	*14,498	*7,875	7,659	*5,765	4,747	*4,835	3,124	*4,740	2,919	*4,634
5	lb	*13,799	13,003	*8,803	7,734	*6,217	4,440	*5,042	2,996	*4,912	2,813	*4,863
0	lb	*14,028	12,322	*9,520	7,641	*6,605	4,191	*5,210	2,895			*5,073
-5	lb	*17,505	12,156	*10,174	7,641	*7,013	3,937					*5,571
-10	lb	*15,624	12,815	*9,579	6,246	*6,462	4,094					*6,105
-15	lb	*10,631	*10,631									*6,764

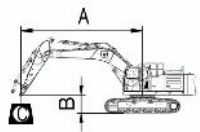
LIFTING CAPACITY (METRIC)

924FELL with 8,850 mm boom, 6,250 mm arm & 800 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 8,850 mm
Arm length: 6,250 mm
Bucket: None
Counterweight: 2,500 kg
Track gauge: 2,390 mm
Shoes: 800 mm triple grouser
Cab: Standard Cab
Unit: kg



A (Unit: m)												
B (m)	4.5		7.5		10.5		13.5		14		Max Reach	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
10.5	kg				*1,846	*1,846					*1,856	*1,856
7.5	kg				*1,900	*1,900					*1,884	1,717
4.5	kg			*2,634	*2,634	*2,199	*2,199	*2,011	1,539	*1,996	1,421	*1,842
1.5	kg	*6,576	*6,576	*3,572	3,474	*2,615	2,153	*2,193	1,417	*2,150	1,324	*2,102
0	kg	*6,259	5,898	*3,993	3,508	*2,820	2,014	*2,287	1,359	*2,228	1,276	*2,206
-1.5	kg	*6,363	5,589	*4,318	3,466	*2,996	1,901	*2,363	1,313			*2,301
-4.5	kg	*7,940	5,514	*4,615	3,466	*3,181	1,786					*2,527
-7.5	kg	*7,087	5,813	*4,345	2,833	*2,931	1,857					*2,769
-10.5	kg	*4,822	*4,822									*3,068

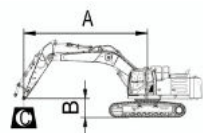
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 9'7" Arm & 24" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 24" triple grouser
Cab: Standard Cab
Unit: lb



		A (Unit: ft)												
B (ft)		10		15		20		25		26		Max Reach		A (ft)
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
25	lb					*9,392	*9,392					*8,633	*8,633	20
20	lb					*10,124	*10,124					*8,505	*8,505	24
15	lb			*12,749	*12,749	*11,197	*11,197	*10,525	8,541			*8,472	7,837	26
10	lb			*16,442	*16,442	*12,901	11,435	*11,263	8,281	*10,957	7,507	*8,358	7,083	27
5	lb			*19,914	15,871	*14,672	10,811	*12,150	7,976	*11,607	7,282	*8,675	6,784	28
0	lb	*13,364	*13,364	*21,839	15,135	*15,953	10,355	12,745	7,734	11,643	7,103	*9,848	6,874	27
-5	lb	*22,498	*22,498	*22,119	14,899	*16,372	10,143	12,639	7,641			*12,006	7,401	25
-10	lb	*29,623	28,228	*20,849	15,016	*15,532	10,196					*13,254	8,737	22
-15	lb	*24,068	*24,068	*17,247	15,510							*13,924	12,152	18

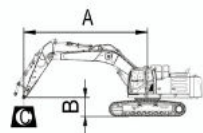
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,915 mm arm & 600 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 600 mm triple grouser
Cab: Standard Cab
Unit: kg



		A (Unit: m)												
B (m)	3		4.5		6		7.5		8		Max Reach		A (m)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
7.5	kg					*4,260	*4,260					*3,916	*3,916	6.1
6.0	kg					*4,592	*4,592					*3,858	*3,858	7.2
4.5	kg			*5,783	*5,783	*5,079	*5,079	*4,774	3,874			*3,843	3,555	7.9
3.0	kg			*7,458	*7,458	*5,852	5,187	*5,109	3,756	*4,970	3,405	*3,791	3,213	8.3
1.5	kg			*9,033	7,199	*6,655	4,904	*5,511	3,618	*5,265	3,303	*3,935	3,077	8.4
0	kg	*6,062	*6,062	*9,906	6,865	*7,236	4,697	5,781	3,508	5,281	3,222	*4,467	3,118	8.2
-1.5	kg	*10,205	*10,205	*10,033	6,758	*7,426	4,601	5,733	3,466			5,446	3,357	7.7
-3.0	kg	*13,437	12,804	*9,457	6,811	*7,045	4,625					*6,012	3,963	6.8
-4.5	kg	*10,917	*10,917	*7,823	7,035							*6,316	5,512	5.4

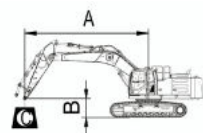
LIFTING CAPACITY (IMPERIAL)

924FE with 18'9" boom, 9'7" arm & 28" shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 3,086 lb
Track gauge: 7'10"
Shoes: 28" triple grouser
Cab: Standard Cab
Unit: lb



A (Unit: ft)														
B (ft)	10		15		20		25		26		Max Reach		A (m)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
25	lb				*9,392	*9,392					*8,633	*8,633	20	
20	lb				*10,124	*10,124					*8,505	*8,505	24	
15	lb			*12,749	*12,749	*11,197	*11,197	*10,525	9,822			*8,472	*8,472	26
10	lb			*16,442	*16,442	*12,901	*12,901	*11,263	9,522	*10,957	8,633	*8,358	8,146	27
5	lb			*19,914	18,252	*14,672	12,434	*12,150	9,173	*11,607	8,373	*8,675	7,802	28
0	lb	*13,364	*13,364	*21,839	17,405	*15,953	11,909	12,745	8,893	11,643	8,168	*9,848	7,906	27
-5	lb	*22,498	*22,498	*22,119	17,134	*16,372	11,665	12,639	8,788			12,006	8,512	25
-10	lb	*29,623	*29,623	*20,849	17,269	*15,532	11,726					*13,254	10,046	22
-15	lb	*24,068	*24,068	*17,247	*17,247							*13,924	*13,924	18

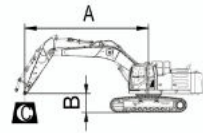
LIFTING CAPACITY (METRIC)

924FE with 5,710 mm boom, 2,915 mm arm & 700 mm shoes

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions:

Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 1,400 kg
Track gauge: 2,390 mm
Shoes: 700 mm triple grouser
Cab: Standard Cab
Unit: kg



A (Unit: m)														
B (m)	3		4.5		6		7.5		8		Max Reach		A (m)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
7.5	kg				*4,260	*4,260					*3,916	*3,916	6.1	
6.0	kg				*4,592	*4,592					*3,858	*3,858	7.2	
4.5	kg			*5,783	*5,783	*5,079	*5,079	*4,774	4,455		*3,843	*3,843	7.9	
3.0	kg			*7,458	*7,458	*5,852	*5,852	*5,109	4,319	*4,970	3,916	*3,791	3,695	8.3
1.5	kg			*9,033	8,279	*6,655	5,640	*5,511	4,161	*5,265	3,798	*3,935	3,539	8.4
0	kg	*6,062	*6,062	*9,906	7,895	*7,236	5,402	5,781	4,034	5,281	3,705	*4,467	3,586	8.2
-1.5	kg	*10,205	*10,205	*10,033	7,772	*7,426	5,291	5,733	3,986			5,446	3,861	7.7
-3.0	kg	*13,437	*13,437	*9,457	7,833	*7,045	5,319					*6,012	4,557	6.8
-4.5	kg	*10,917	*10,917	*7,823	*7,823							*6,316	*6,316	5.4

STANDARD & OPTIONAL EQUIPMENT

BATTERY	
High energy density lithium iron phosphate lithium battery	☒
Battery heating function	☒
Forced liquid cooling	☒
528 kWh battery capacity	☒
423 kWh battery capacity	☐

MOTOR	
High performance original imported PMSM motor (Weiteli-115 kW/154 hp)	☒
Forced cooled motor	☒
Intelligent protection function	☒
Automatic idle function	☒

CHARGE	
Electronic lock: Standard charging anti-theft feature	☒
Charging protection function	☒

OPERATOR STATION	
Pressurized and sealed cab with all-around visibility	☒
ROPS certified cab	☒
Removeble front-top window	☒
Large roof window with sliding sun visor	☒
Air suspension deluxe seat (with heater and head rest) +retractable seat belt (75 mm/3 in width, red color, with green alarm lamp)	☒
Height adjustable consoles and seat	☒
10-inch high resolution LCD touch screen + integrated control panel	☒
Automatic air conditioner, heater, defroster	☒
Safety window hammer for cab evacuation	☒
Green safety glass	☒
Sliding window positioning	☒
Armrest box can be reversed	☒
ROPS enclosed cabin	☒
Fixed operator protective guards	☐
Cab front lower window guard	☐
Cab top guard	☐
Openable cab front guard	☐
Front window rain visor	☐
Tilting cab (ROPS)	☐
High rise cab (ROPS)	☐
Cab entry step	☐
Mechanical suspension seat & 2 inch red retractable seat belt	☐
Fire extinguisher	☐

HYDRAULIC SYSTEM	
Full electric control hydraulic system	☒
3-power modes (Power, Standard, Economy)	☒
Automatic power boost function	☒
Pilot control shut-off lever	☒
Pilot accumulator	☒
Automatic swing parking brake	☒
Swing with anti-reverse function	☒
Boom and arm regeneration circuits	☒
Boom lowering device for back-up	☒
Automatic two-speed travel	☒
Automatic travel parking brake	☒
Hydraulic oil temperature independent control	☒
Pressure check port for main pump	☒
1st auxiliary circuit with one- or two-way flow direction, and adjustable flow & pressure	☒
2nd auxiliary circuit with adjustable flow & pressure	☒
High/low pressure adjustable QC lines	☒
Attachment oil drain line	☒
BHL-SAE joystick pattern selection in monitor	☒
Additional filter for breaker piping	☒
Boom float function	☒
Straight travel with one pedal	☒
Automatic hydraulic system warm-up	☒
Long-life hydraulic oil (replacement cycle 5000 h)	☒
Boom and arm load holding valve	☐
High pressure quick-coupler pipes	☐
Bucket cylinder rod protection	☐
Arm cylinder rod protection	☐
Boom cylinder rod protection	☐
One-way auxiliary pipeline - pedal control	☐

FRONT EQUIPMENT	
18'9" (5,710 mm) boom	☒
9'7" (2,915 mm) arm	☒
1.44 yd³ (1.1 m³) general type bucket with a width of 4'4" (1,330 mm)	☒
Bucket linkage with lifting eye	☐
29'5" (8,850 mm) boom	☐
7'10" (2,400 mm) short reach arm	☐
20'6" (6,250 mm) long reach arm	☐
0.59 yd³ (0.45 m³) bucket with a width of 2'10" (865 mm)	☐
1.18 yd³ (0.9 m³) bucket with a width of 3'11" (1,200 mm)	☐
1.44 yd³ (1.1 m³) bucket with a width of 4'4" (1,330 mm)	☐
1.57 yd³ (1.2 m³) bucket with a width of 4'7" (1,390 mm)	☐
Hydraulic quick coupler	☐
Tunneling working equipment (bottom design cylinder)	☐
Automatic Centralized Lubrication System	☐

ELECTRIC SYSTEM	
10-inch Monitor: working mode, working hour, water temperature, oil temperature, DEF level, 360° vision, fault code, work condition etc. machine information.	☒
Warn: low engine oil pressure, low fuel level, air filter clog, machine overheat, maintenance reminders etc.	☒
Intermittent wipers with adjustable time intervals	☒
Bluetooth/ AM/FM radio with auxiliary input	☒
Work lighting with adjustable, delayed shut-off timer	☒
Cab lighting with adjustable, delayed shut-off timer	☒
2 stereo speakers	☒
2 signaling/warning horn	☒
Battery disconnect switch	☒
Emergency stop on ground	☒
Password protection for auxiliary hydraulic-flow adjustments	☒
Programmable memory for multiple attachment flow & pressure settings	☒
12 V power interface (with cover)	☒
Two maintenance free batteries	☒
Travel alarm	☒
Swing alarm	☒
Rotating beacon	☒
Unlocked quick coupler warning	☒
Unfastened seatbelt warning	☒
Push-to-start button (keyless start)	☒
Muti-language display (full graphic and full color display)	☒
4 boom working lights	☒
Work lights: separately installed LED in front and rear cab (4 front and 2 rear)	☒
360 deg camera viewing	☒
Overload warning device	☒
Cab interior lighting	☒
Perimeter lights	☒
Machine rear lighting	☒
Work lights: long strip LED light in front and rear cab (DM ONLY)	☒
Rear vision camera	☐
2 Boom base lights	☐
Flashing beacon	☐
2 boom working lights	☐
Left boom working lights	☐
Right boom working lights	☐
Peripheral lighting	☐
Remote reservation (charging, heating, remote start)	☐

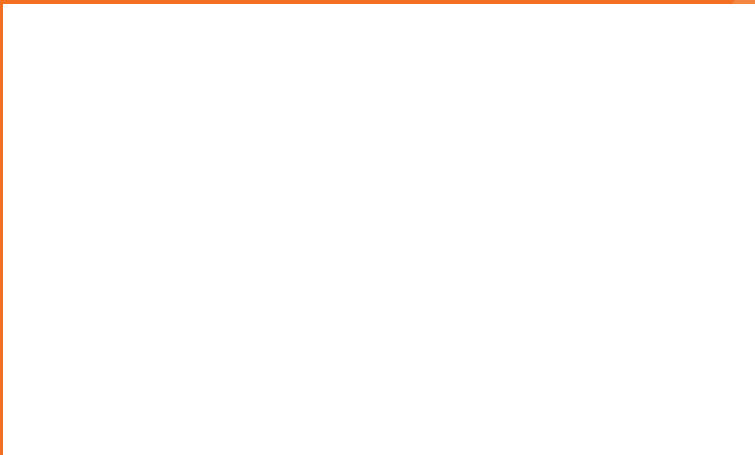
UPPER STRUCTURE	
Frame handrail	☒
Punched metal anti-slip plates	☒
3,086 lb (1,400 kg) counterweight	☒
Standard undercover belly plates (2 mm/0.1")	☒
Side door brace automatically lock	☒
One key for all locks	☒
Rearview mirror mounted in the RH machine	☒
Bolt on side guard	☒
Guard fence of upper frame around	☐
Heavy duty belly plates (8 mm/0.31")	☐
2,205 lb (1,000 kg) counterweight	☐
4,409 lb (2,000 kg) counterweight	☐
5,512 lb (2,500 kg) counterweight (*The counterweight depends on the actual configuration.)	☐

UNDERCARRIAGE	
Standard track beam	☒
600 mm track-shoes with triple grousers	☒
Rollers, bottom - 8 each side	☒
Rollers, top - 2 each side	☒
Centralized lubrication for swing bearing	☒
Towing eye on base frame	☒
Traction hole	☒
3 piece track guards (each side)	☒
Additional track step	☒
Reinforced track beam	☐
28" (700 mm), 32" (800 mm) track-shoes with triple grousers	☐
Full length track guard	☐
7'3" (2,200 mm) track gauge undercarriage	☐
Heavy duty undercarriage cover plates	☐

SERVICE & MAINTENANCE	
Maintenance tool kit	☒
Maintenance parts package	☒
Telematics system	☒
Remote program update	☒
Data diagnostic port	☒
Self-diagnostic system	☒

Note: ☒ for standard equipment
☐ for optional equipment

Standard and optional equipment may vary by regions. Consult your LiuGong dealer for details.



TOUGH WORLD. TOUGH EQUIPMENT.

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