

LIUGONG

925FCR EXCAVATOR

ALL NEW
F-SERIES

Engine	B6.7
Net Power	116kW
Operating Weight	25,500-28,200kg
Bucket Capacity	0.9-1.2m ³



TOUGH WORLD. TOUGH EQUIPMENT.

SPECIFICATIONS



OPERATING WEIGHT

25,500-28,200 kg (56,218-62,170 lbs)

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lbs).

Bucket Capacity 0.9-1.2 m³ (1.18-1.57 yd³)

ENGINE

Description

Cummins EPA Tier 4 final / EU Stage V, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection. Air cleaner: Cummins direct flow air filter. Cooling system: Air-to-air intercooler

Emission rating EPA Tier 4 final / EU Stage V

Engine manufacturer Cummins

Engine model B6.7

Aspiration Variable-Geometry Turbocharger (VGT)

Charged air cooling Aftercooler

Cooling fan drive Electric motor

Displacement 6.7 L (1.8 gal)

Engine output - net (SAE J1349 / ISO 9249) 116 kW (156 hp) @ 2,200 rpm

Engine output - rated (SAE J1995 / ISO 14396) 116 kW (156 hp) @ 2,200 rpm

Maximum torque 746 N·m @ 1,300 rpm (550 lbf·ft @ 1,300 rpm)

Bore x Stroke 107 x 124 mm (4.2" x 4.9")

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: 5.4 km/h (3.4 mph)
Low: 3.1 km/h (1.9 mph)

Gradeability 35%/70%

Max. drawbar pull 220 kN (49,458 lbf)

HYDRAULIC SYSTEM

Main pump

Type Two variable displacement piston pumps

Maximum flow 2 x 228 L/min (2 x 60.2 gal/min)

Pilot pump

Type Gear pump

Maximum flow 17.5 L/min (4.6 gal/min)

Relief valve setting

Implement 34.3 / 37.3 MPa (4,975 / 5,410 psi)

Travel circuit 34.3 MPa (4,975 psi)

Slew circuit 31 MPa (4,496 psi)

Pilot circuit 3.9 MPa (566 psi)

Hydraulic cylinders

Boom Cylinder - Φ125 x 1,353 mm (Φ4.9" x 4'5")

Stick Cylinder - Φ135 x 1,490 mm (Φ5.3" x 4'11")

Bucket Cylinder - Φ115 x 1,120 mm (Φ4.5" x 3'8")

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 78,000 N·m (57,530 lbf·ft)

ELECTRIC SYSTEM

System Voltage 24 V

Batteries 2 x 12 V

Alternator 24 V-180 A

Start motor 24 V -7.8 kW

UNDERCARRIAGE

Track shoe each side 49

Link pitch 190 mm (7.5")

Shoe width, triple grouser 600 mm (24")

Bottom rollers each side 8

Top rollers each side 2

SERVICE CAPACITIES

Fuel tank 320 L (84.5 gal)

Engine oil 25 L (6.6 gal)

Final drive (each) 5.5 L (1.5 gal)

Swing drive 3.4 L (0.9 gal)

Cooling system 25 L (6.6 gal)

Hydraulic reservoir 182 L (48.1 gal)

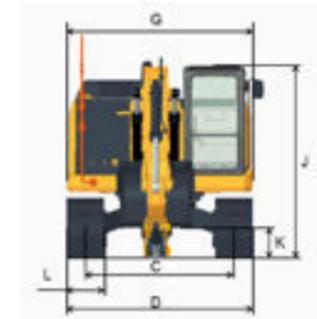
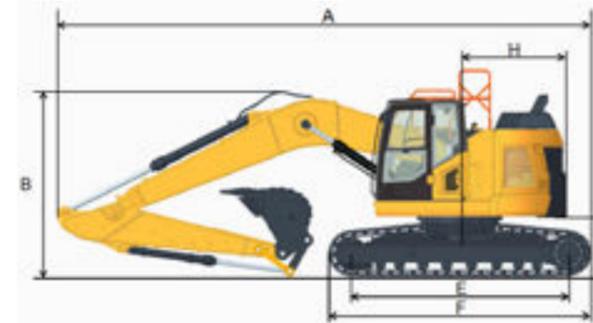
Hydraulic system total 320 L (84.5 gal)

DEF tank 44 L (11.6 gal)

SOUND PERFORMANCE

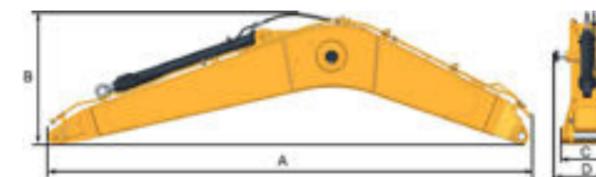
Interior sound power level (ISO 6396) 69 dB(A)

Exterior sound power level (ISO 6395) 100 dB(A)



DIMENSIONS

	925FCR	
Boom	5,710 mm (18'9")	5,710 mm (18'9")
Arm Options	2,915 mm (9'7")	2,400 mm (7'10")
A Shipping Length	8,960 mm (29'5")	9,670 mm (31'9")
B Shipping Height - Top of Boom	3,060 mm (10'0")	3,150 mm (10'4")
C Track Gauge	2,390 mm (7'10")	
D Undercarriage Width - 600 mm (24") shoes	2,990 mm (9'10")	
700 mm (28") shoes	3,090 mm (10'2")	
800 mm (32") shoes	3,190 mm (10'6")	
900 mm (35") shoes	3,290 mm (10'10")	
E Length to Center of Rollers	3,650 mm (11'12")	
F Track Length	4,450 mm (14'7")	
G Overall Width of Upper Structure	2,990 mm (9'10")	
H Tail Swing Radius	1,780 mm (5'10")	
I Counterweight Ground Clearance	1,010 mm (3'4")	
J Overall Height of Cab	2,980 mm (9'9")	
J (i) Height of Cab Including Lighting Halo	3,060 mm (10'0")	
J (ii) Height of Cab Including FOPS Guard	3,120 mm (10'3")	
K Min. Ground Clearance	470 mm (1'7")	
L Track Shoe Width	600 mm (24")	



BOOM DIMENSIONS

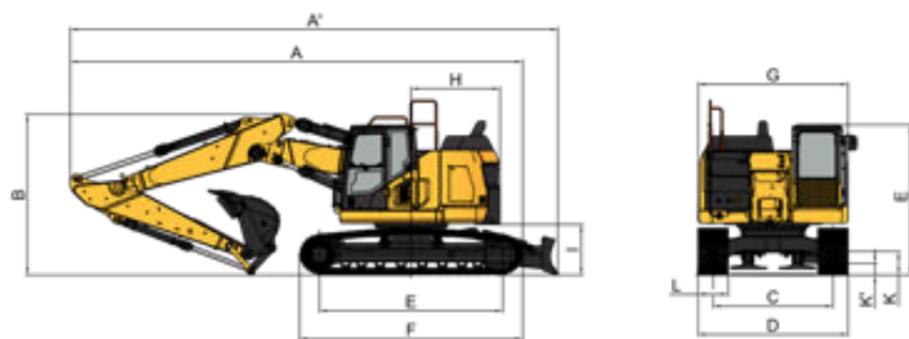
	925FCR
Boom	5,710 mm (18'9")
A Length	5,898 mm (19'4")
B Height	1,630 mm (5'4")
C Width	622 mm (2'0")
D Width	788 mm (2'7")
Weight	2,120 kg (4,673.8 lbs)

Includes arm cylinder, piping and pin.

ARM DIMENSIONS

	925FCR	925FCR
Arm	2,915 mm (9'7")	2,400 mm (7'10")
A Length	3,918 mm (12'10")	3,375 mm (11'1")
B Height	826 mm (2'9")	820 mm (2'8")
C Width	476 mm (1'7")	476 mm (1'7")
Weight	1,115 kg (2,458.2 lbs)	1,030 kg (2,270.8 lbs)

Includes bucket cylinder, linkage and pin.



DIMENSIONS	925FCR TPB
Boom	5,700 mm (18'8")
Arm Length	2,915 mm (9'7")
A Shipping Length	9,010 mm (29'7")
A' Shipping Length (with dozar)	9,720 mm (31'11")
B Shipping Height – Top of Boom	3,200 mm (10'6")
C Track Gauge	2,390 mm (7'10")
D Undercarriage Width – 600 mm (24") shoes	2,990 mm (9'10")
700 mm (28") shoes	3,090 mm (10'2")
800 mm (32") shoes	3,190 mm (10'6")
900 mm (35") shoes	3,290 mm (10'10")
E Length to Center of Rollers	3,650 mm (11'12")
F Track Length	4,450 mm (14'7")
G Overall Width of Upper Structure	2,990 mm (9'10")
H Tail Swing Radius	1,780 mm (5'10")
I Counterweight Ground Clearance	1,010 mm (3'4")
J Overall Height of Cab	2,980 mm (9'9")
J (i) Height of Cab Including Lighting Halo	3,060 mm (10'0")
J (ii) Height of Cab Including FOPS Guard	3,120 mm (10'3")
K Min. Ground Clearance	470 mm (1'7")
L Track Shoe Width	600 mm (24")

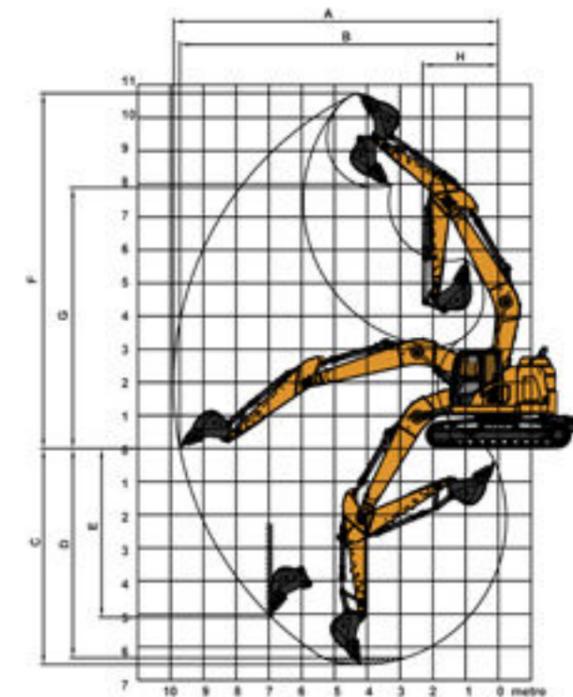


BOOM DIMENSIONS	925FCR TPB
Boom	5,700 mm (18'8")
A Length	5,885 mm (19'4")
B Height	1,440 mm (4'9")
C Width	622 mm (2'0")
D Width	788 mm (2'7")
Weight	2,860 kg (6305.2 lbs)

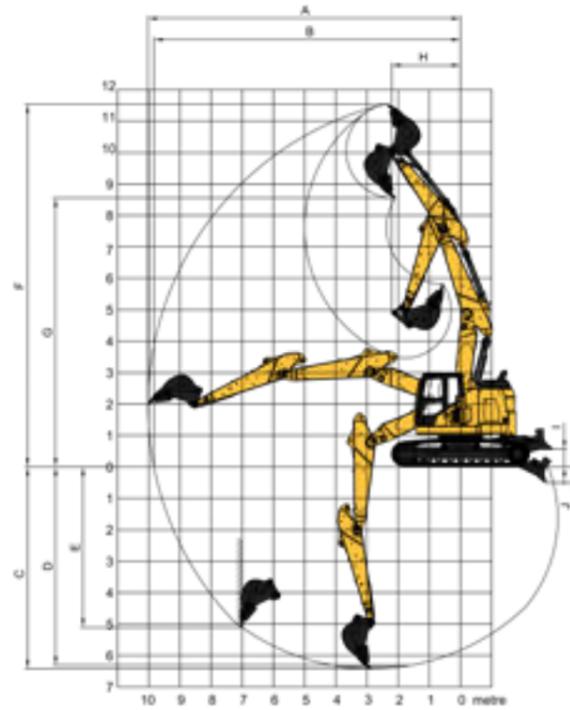
Includes arm cylinder, piping and pin.

ARM DIMENSIONS		
Arm	2,915 mm (9'7")	2,400 mm (7'10")
A Length	3,918 mm (12'10")	3,375 mm (11'1")
B Height	826 mm (2'9")	820 mm (2'8")
C Width	476 mm (1'7")	476 mm (1'7")
Weight	1,115 kg (2,458.2 lbs)	1,030 kg (2270.8 lbs)

Includes bucket cylinder, linkage and pin.



WORKING RANGE	925FCR		
Boom Length	5,710 mm (18'9")	5,710 mm (18'9")	
Arm Length	2,915 mm (9'7")	2,400 mm (7'10")	
A. Max. Digging Reach	9,906 mm (32'6")	9,530 mm (31'3")	
B. Max. Digging Reach on Ground	9,720 mm (31'11")	9,360 mm (30'9")	
C. Max. Digging Depth	6,530 mm (21'5")	6,250 mm (20'6")	
D. Max. Digging Depth, 2.44 m (8') Level	6,330 mm (20'9")	6,050 mm (19'10")	
E. Max. Vertical Wall Digging Depth	5,100 mm (16'9")	5,175 mm (16'12")	
F. Max. Cutting Height	10,740 mm (35'3")	9,810 mm (32'2")	
G. Max. Dumping Height	7,890 mm (25'11")	7,010 mm (22'12")	
H. Min. Front Swing Radius	2,310 mm (7'7")	3,210 mm (10'6")	
Bucket Digging Force (ISO)	Normal	140 kN (31,473 lbf)	140 kN (31,473 lbf)
	Power Boost	153 kN (34,283 lbf)	153 kN (34,283 lbf)
Stick Digging Force (ISO)	Normal	97 kN (21,694 lbf)	116 kN (26,078 lbf)
	Power Boost	105 kN (23,605 lbf)	126 kN (28,326 lbf)
Bucket Capacity	1.0 m ³ (1.31 yd ³)	1.0 m ³ (1.31 yd ³)	
Bucket Tip Radius	1,478 mm (4'10")	1,478 mm (4'10")	



WORKING RANGE		925FCR TPB
Boom Length		5,700 mm (18'8")
Arm Length		2,915 mm (9'7")
A. Max. Digging Reach		10,020 mm (32'10")
B. Max. Digging Reach on Ground		9,830 mm (32'3")
C. Max. Digging Depth		6,420 mm (21'1")
D. Max. Digging Depth, 2.44 m (8') Level		6,310 mm (20'8")
E. Max. Vertical Wall Digging Depth		5,100 mm (16'9")
F. Max. Cutting Height		11,540 mm (37'10")
G. Max. Dumping Height		8,560 mm (28'1")
H. Min. Front Swing Radius		2,210 mm (7'3")
Bucket Digging Force (ISO)	Normal	140 kN (31,473 lbf)
	Power Boost	152.5 kN (34,283 lbf)
Stick Digging Force (ISO)	Normal	97 kN (21,694 lbf)
	Power Boost	105 kN (23,605 lbf)
Bucket Capacity		1.0 m ³ (1.31 yd ³)
Bucket Tip Radius		1,478 mm (4'10")

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width	925FCR			925FCR TPB		
	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	5,710 mm (18'9") boom, 2,915 mm (9'7") arm, 1.0 m ³ (1.31 yd ³) bucket, 6,400 kg (14,110 lbs) counterweight			5,700 mm (18'8") boom, 2,915 mm (9'7") arm, 1.0 m ³ (1.31 yd ³), with dozer, 6,400 kg (14,110 lbs) counterweight		
600 mm (24")	25,800 kg (56,879 lbs)	53.7 kPa (7.8 psi)	2,990 mm (9'10")	28,400 kg (62,611 lbs)	59.1 kPa (8.6 psi)	2,990 mm (9'10")
700 mm (28")	26,200 kg (57,761 lbs)	46.7 kPa (6.8 psi)	3,090 mm (10'2")	28,800 kg (63,493 lbs)	51.4 kPa (7.5 psi)	3,090 mm (10'2")
800 mm (32")	26,500 kg (58,422 lbs)	41.4 kPa (6 psi)	3,190 mm (10'6")	29,100 kg (64,155 lbs)	45.4 kPa (6.6 psi)	3,190 mm (10'6")
900 mm (35")	26,650 kg (58,753 lbs)	37 kPa (5.4 psi)	3,290 mm (10'10")	29,250 kg (64,485 lbs)	40.6 kPa (5.9 psi)	3,290 mm (10'10")

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	5.71 m (18'9") or 5.7 m (18'8") Boom	
					2.4 m (7'10") Arm	2.915 m (9'7") Arm
Earth type	0.9 m ³ (1.2 yd ³)	1,200 mm (3'11")	734 kg (1,618 lbs)	5	B	B
Earth type	1.0 m ³ (1.3 yd ³)	1,260 mm (4'2")	779 kg (1,717 lbs)	5	B	B
Earth type	1.1 m ³ (1.4 yd ³)	1,330 mm (4'4")	806 kg (1,777 lbs)	5	B	B
Earth type	1.2 m ³ (1.6 yd ³)	1,390 mm (4'7")	831 kg (1,832 lbs)	5	B	B
General type	1.0 m ³ (1.3 yd ³)	1,260 mm (4'2")	859 kg (1,894 lbs)	5	C	C
General type	1.1 m ³ (1.4 yd ³)	1,330 mm (4'4")	896 kg (1,975 lbs)	5	C	C
Rock type	1.0 m ³ (1.3 yd ³)	1,300 mm (4'3")	1,046 kg (2,306 lbs)	5	D	D
Rock type	1.1 m ³ (1.4 yd ³)	1,370 mm (4'6")	1,095 kg (2,414 lbs)	5	D	D

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. 1,200-1,300 kg/m³ (2,023-2,191 lb/yd³): Coal, Caliche, Shale
 B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³): Wet earth and clay, limestone, sandstone
 C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³): Granite, wet sand, well blasted rock
 D. 1,900 kg/m³ (3,203 lb/yd³): 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 supporting surface.



Rating over-front (Cf)



Rating over-side (Cs)

- 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.
- 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.
- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- 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

925FCR with 700 mm Shoes, 5,710 mm Boom, 2,915 mm Arm

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

Conditions:
Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 700 mm triple grouser
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		*4,389	*4,389	*4,615	*4,615					*4,008	*4,008	6.2	
6.0	kg		*4,837	*4,837	*4,847	*4,847					*3,792	*3,792	7.3	
4.5	kg	*7,945	*7,945	*6,179	*6,179	*5,443	5,255	*5,149	3,735			*3,607	3,361	8
3.0	kg			*8,125	7,476	*6,351	4,987	*5,557	3,621	*5,414	3,288	*4,000	3,106	8.3
1.5	kg			*9,914	6,943	*7,281	4,729	5,982	3,496	5,451	3,196	*4,029	2,983	8.4
GROUND LEVEL	kg	*6,240	*6,240	*10,904	6,672	*7,956	4,554	5,883	3,406	5,381	3,133	*4,388	3,035	8.2
-1.5	kg	*10,467	*10,467	*11,082	6,613	8,021	4,490	5,863	3,388			5,761	3,335	7.6
-3.0	kg	*14,991	12,654	*10,491	6,705	*7,804	4,547					*6,649	3,903	6.8

LIFTING CAPACITY

925FCR with 28" Shoes, 18'9" Boom, 9'7" Arm

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

Conditions:
Boom length: 18'9"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 28" triple grouser
Unit: lbs



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	lbs			*9,676	*9,676	*10,174	*10,174					*8,837	*8,837	20
20	lbs			*10,665	*10,665	*10,686	*10,686					*8,359	*8,359	24
15	lbs	*17,516	*17,516	*13,622	*13,622	*11,999	11,586	*11,351	8,235			*7,953	7,409	26
10	lbs			*17,913	16,482	*14,001	10,995	*12,250	7,982	*11,936	7,249	*8,819	6,848	27
5	lbs			*21,857	15,306	*16,052	10,425	13,189	7,707	12,017	7,046	*8,881	6,577	28
GROUND LEVEL	lbs	*13,756	*13,756	*24,040	14,709	*17,540	10,041	12,970	7,510	11,863	6,906	*9,673	6,691	27
-5	lbs	*23,077	*23,077	*24,433	14,580	17,683	9,900	12,926	7,470			12,702	7,353	25
-10	lbs	*33,048	27,897	*23,128	14,782	*17,204	10,024					*14,660	8,604	22

LIFTING CAPACITY

925FCR with 700 mm Shoes, 5,710 mm Boom, 2,915 mm Arm, with dozer

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

Conditions:
Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Blade Up)														
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			*4,389	*4,389	*4,615	*4,615					*4,008	*4,008	6.2
6.0	kg			*4,837	*4,837	*4,847	*4,847					*3,792	3,711	7.3
4.5	kg	*7,945	*7,945	*6,179	*6,179	*5,443	4,946	*5,149	3,500			*3,607	3,143	8
3.0	kg			*8,125	7,027	*6,351	4,678	*5,557	3,385	*5,414	3,070	*4,000	2,898	8.3
1.5	kg			*9,914	6,494	*7,281	4,420	5,874	3,260	5,351	2,978	*4,029	2,777	8.4
GROUND LEVEL	kg	*6,240	*6,240	*10,904	6,223	7,947	4,246	5,774	3,171	5,281	2,915	*4,388	2,823	8.2
-1.5	kg	*10,467	*10,467	*11,082	6,164	7,873	4,182	5,755	3,153			5,655	3,104	7.6
-3.0	kg	*14,991	11,832	*10,491	6,256	*7,804	4,238					*6,649	3,638	6.8

LIFTING CAPACITY

925FCR with 28" Shoes, 18'9" Boom, 9'7" Arm, with dozer

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

Conditions:
Boom length: 18'9"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 28" triple grouser
Unit: lbs



A (Blade Up)														
B (ft)	10		15		20		25		26		MAX REACH		A (ft)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
25	lbs			*9,676	*9,676	*10,174	*10,174					*8,837	*8,837	20
20	lbs			*10,665	*10,665	*10,686	*10,686					*8,359	8,181	24
15	lbs	*17,516	*17,516	*13,622	*13,622	*11,999	10,905	*11,351	7,716			*7,953	6,929	26
10	lbs			*17,913	15,492	*14,001	10,314	*12,250	7,463	*11,936	6,768	*8,819	6,388	27
5	lbs			*21,857	14,316	*16,052	9,744	12,950	7,188	11,797	6,565	*8,881	6,123	28
GROUND LEVEL	lbs	*13,756	*13,756	*24,040	13,719	17,520	9,360	12,731	6,991	11,643	6,425	*9,673	6,224	27
-5	lbs	*23,077	*23,077	*24,433	13,590	17,357	9,219	12,687	6,951			12,467	6,842	25
-10	lbs	*33,048	26,085	*23,128	13,792	*17,204	9,344					*14,660	8,021	22



LIFTING CAPACITY

925FCR with 700 mm Shoes, 5,710 mm Boom, 2,915 mm Arm, with dozer

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

Conditions
Boom length: 5,710 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Blade Down)														
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		*4,389	*4,389	*4,615	*4,615					*4,008	*4,008	6.2	
6.0	kg		*4,837	*4,837	*4,847	*4,847					*3,792	3,711	7.3	
4.5	kg	*7,945	*7,945	*6,179	*6,179	*5,443	4,946	*5,149	3,500		*3,607	3,143	8	
3.0	kg			*8,125	7,027	*6,351	4,678	*5,557	3,385	*5,414	3,070	*4,000	2,898	8.3
1.5	kg			*9,914	6,494	*7,281	4,420	*6,035	3,260	*5,773	2,978	*4,029	2,777	8.4
GROUND LEVEL	kg	*6,240	*6,240	*10,904	6,223	*7,956	4,246	*6,399	3,171	*6,033	2,915	*4,388	2,823	8.2
-1.5	kg	*10,467	*10,467	*11,082	6,164	*8,198	4,182	*6,439	3,153			*6,243	3,104	7.6
-3.0	kg	*14,991	11,832	*10,491	6,256	*7,804	4,238					*6,649	3,638	6.8

LIFTING CAPACITY

925FCR with 28" Shoes, 18'9" Boom, 9'7" Arm, with dozer

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

Conditions
Boom length: 18'9"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 28" triple grouser
Unit: lbs



A (Blade Down)														
B (ft)	10		15		20		25		26		MAX REACH		A (ft)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
25	lbs			*9,676	*9,676	*10,174	*10,174					*8,837	*8,837	20
20	lbs			*10,665	*10,665	*10,686	*10,686					*8,359	8,181	24
15	lbs	*17,516	*17,516	*13,622	*13,622	*11,999	10,905	*11,351	7,716			*7,953	6,929	26
10	lbs			*17,913	15,492	*14,001	10,314	*12,250	7,463	*11,936	6,768	*8,819	6,388	27
5	lbs			*21,857	14,316	*16,052	9,744	*13,304	7,188	*12,727	6,565	*8,881	6,123	28
GROUND LEVEL	lbs	*13,756	*13,756	*24,040	13,719	*17,540	9,360	*14,107	6,991	*13,300	6,425	*9,673	6,224	27
-5	lbs	*23,077	*23,077	*24,433	13,590	*18,073	9,219	*14,195	6,951			*13,763	6,842	25
-10	lbs	*33,048	26,085	*23,128	13,792	*17,204	9,344					*14,660	8,021	22

LIFTING CAPACITY

925FCR TPB with 600 mm Shoes, 5,700 mm Boom, 2,915 mm Arm

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

Conditions:
Boom length: 5,700 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 600 mm triple grouser
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		
9.0	kg											*4,564	*4,564	3.9
7.5	kg			*5,788	*5,788							*3,850	*3,850	5.9
6.0	kg			*6,116	*6,116	*5,717	5,342					*3,845	*3,845	7
4.5	kg	*9,566	*9,566	*7,265	*7,265	*6,193	5,145	*4,687	3,599			*3,850	3,439	7.7
3.0	kg	*12,180	*12,180	*8,912	7,327	*6,929	4,846	*5,929	3,476	*4,353	3,138	*3,781	3,075	8.1
1.5	kg			*10,319	6,698	*7,631	4,546	5,803	3,333	*5,212	3,035	*4,557	2,980	8.1
GROUND LEVEL	kg	*7,761	*7,761	*10,888	6,350	7,841	4,333	5,683	3,225			*5,076	3,010	7.9
-1.5	kg	*11,931	11,700	*10,585	6,250	7,739	4,244					5,757	3,252	7.4
-3.0	kg	*12,855	11,955	*9,384	6,331	*6,949	4,297					*6,345	3,968	6.4

LIFTING CAPACITY

925FCR TPB with 24" Shoes, 18'8" Boom, 9'7" Arm

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

Conditions:
Boom length: 18'8"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 24" triple grouser
Unit: lbs



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		
30	lbs											*10,062	*10,062	13
25	lbs			*12,760	*12,760							*8,489	*8,489	19
20	lbs			*13,484	*13,484	*12,603	11,777					*8,477	*8,477	23
15	lbs	*21,090	*21,090	*16,016	*16,016	*13,654	11,343	*10,333	7,935			*8,487	7,583	25
10	lbs	*26,852	*26,852	*19,647	16,152	*15,276	10,683	*13,070	7,663	*9,596	6,919	*8,336	6,779	27
5	lbs			*22,751	14,767	*16,823	10,022	12,793	7,348	*11,491	6,691	*10,047	6,569	27
GROUND LEVEL	lbs	*17,109	*17,109	*24,004	14,000	17,287	9,553	12,530	7,111			*11,191	6,635	26
-5	lbs	*26,303	25,794	*23,336	13,778	17,061	9,356					12,692	7,169	24
-10	lbs	*28,341	26,355	*20,688	13,958	*15,319	9,473					*13,989	8,747	21



LIFTING CAPACITY

925FCR TPB with 600 mm Shoes, 5,700 mm Boom, 2,915 mm Arm, with dozer

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

Conditions:
Boom length: 5,700 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Blade Up)

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		
9.0	kg										*4,564	*4,564	3.9	
7.5	kg		*5,788	*5,788							*3,850	*3,850	5.9	
6.0	kg		*6,116	*6,116	*5,717	5,132					*3,845	*3,845	7	
4.5	kg	*9,566	*9,566	*7,265	*7,265	*6,193	4,936	*4,687	3,440		*3,850	3,285	7.7	
3.0	kg	*12,180	*12,180	*8,912	7,022	*6,929	4,636	*5,929	3,316	*4,353	2,991	*3,781	2,929	8.1
1.5	kg		*10,319	6,394	*7,631	4,336	5,792	3,173	*5,212	2,887	*4,557	2,834	8.1	
GROUND LEVEL	kg	*7,761	*7,761	*10,888	6,046	7,827	4,124	5,673	3,066		*5,076	2,860	7.9	
-1.5	kg	*11,931	11,143	*10,585	5,945	7,724	4,035				5,746	3,090	7.4	
-3.0	kg	*12,855	11,398	*9,384	6,027	*6,949	4,088				*6,345	3,774	6.4	

LIFTING CAPACITY

925FCR TPB with 24" Shoes, 18'8" Boom, 9'7" Arm, with dozer

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

Conditions:
Boom length: 18'8"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 24" triple grouser
Unit: lbs



A (Blade Up)

B (ft)	10		15		20		25		26		MAX REACH		A (ft)	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
30	lbs										*10,062	*10,062	13	
25	lbs		*12,760	*12,760							*8,489	*8,489	19	
20	lbs		*13,484	*13,484	*12,603	11,315					*8,477	*8,477	23	
15	lbs	*21,090	*21,090	*16,016	*16,016	*13,654	10,882	*10,333	7,583		*8,487	7,242	25	
10	lbs	*26,852	*26,852	*19,647	15,482	*15,276	10,221	*13,070	7,311	*9,596	6,593	*8,336	6,458	27
5	lbs		*22,751	14,096	*16,823	9,560	12,770	6,996	*11,491	6,365	*10,047	6,248	27	
GROUND LEVEL	lbs	*17,109	*17,109	*24,004	13,329	17,255	9,091	12,506	6,759		*11,191	6,304	26	
-5	lbs	*26,303	24,566	*23,336	13,107	17,029	8,895				12,669	6,812	24	
-10	lbs	*28,341	25,127	*20,688	13,287	*15,319	9,012				*13,989	8,321	21	

LIFTING CAPACITY

925FCR TPB with 600 mm Shoes, 5,700 mm Boom, 2,915 mm Arm, with dozer

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

Conditions:
Boom length: 5,700 mm
Arm length: 2,915 mm
Bucket: None
counterweight: 6,400 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Blade Down)

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		
9.0	kg										*4,564	*4,564	3.9	
7.5	kg		*5,788	*5,788							*3,850	*3,850	5.9	
6.0	kg		*6,116	*6,116	*5,717	5,132					*3,845	*3,845	7	
4.5	kg	*9,566	*9,566	*7,265	*7,265	*6,193	4,936	*4,687	3,440		*3,850	3,285	7.7	
3.0	kg	*12,180	*12,180	*8,912	7,022	*6,929	4,636	*5,929	3,316	*4,353	2,991	*3,781	2,929	8.1
1.5	kg		*10,319	6,394	*7,631	4,336	*6,234	3,173	*5,212	2,887	*4,557	2,834	8.1	
GROUND LEVEL	kg	*7,761	*7,761	*10,888	6,046	*8,018	4,124	*6,356	3,066		*5,076	2,860	7.9	
-1.5	kg	*11,931	11,143	*10,585	5,945	*7,889	4,035				*5,944	3,090	7.4	
-3.0	kg	*12,855	11,398	*9,384	6,027	*6,949	4,088				*6,345	3,774	6.4	

LIFTING CAPACITY

925FCR TPB with 24" Shoes, 18'8" Boom, 9'7" Arm, with dozer

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

Conditions:
Boom length: 18'8"
Arm length: 9'7"
Bucket: None
counterweight: 14,110 lbs
Shoes: 24" triple grouser
Unit: lbs



A (Blade Down)

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		
30	lbs										*10,062	*10,062	13	
25	lbs		*12,760	*12,760							*8,489	*8,489	19	
20	lbs		*13,484	*13,484	*12,603	11,315					*8,477	*8,477	23	
15	lbs	*21,090	*21,090	*16,016	*16,016	*13,654	10,882	*10,333	7,583		*8,487	7,242	25	
10	lbs	*26,852	*26,852	*19,647	15,482	*15,276	10,221	*13,070	7,311	*9,596	6,593	*8,336	6,458	27
5	lbs		*22,751	14,096	*16,823	9,560	*13,744	6,996	*11,491	6,365	*10,047	6,248	27	
GROUND LEVEL	lbs	*17,109	*17,109	*24,004	13,329	*17,677	9,091	*14,012	6,759		*11,191	6,304	26	
-5	lbs	*26,303	24,566	*23,336	13,107	*17,392	8,895				*13,104	6,812	24	
-10	lbs	*28,341	25,127	*20,688	13,287	*15,319	9,012				*13,989	8,321	21	

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins B6.7 engine, EPA Tier 4F/EU Stage V, turbocharged, 6 cylinder, 4 stroke, water cooled.
- Engine overheat prevention system
- Auto-idle speed control
- Automatic engine shutdown
- Air filter with integrated pre-cleaner
- Metal fuel tank
- Fuel pre-filter with water separator and water detection
- Electric fuel lifting pump
- Remote engine oil filter
- Double engine oil dip-stick
- 6 x reversible electric cooling fans
- Dismountable radiator dustproof net
- Air conditioner compressor belt automatic tensioner
- Cold starting kit for -20° C
- Electric refueling pump with auto shutoff

HYDRAULIC SYSTEM

- Full electric control hydraulic system
- 3-power modes (Power, Standard, Economy)
- Power boost function (automatic & manual)
- Pilot control shut-off lever
- Pilot accumulator
- Automatic swing parking brake
- Swing with anti-reverse function
- Boom and arm regeneration circuits
- Boom and arm holding valves
- Boom lowering device for back-up
- Automatic two-speed travel
- Automatic travel parking brake
- Hydraulic oil temperature independent control
- Pressure checking port for main pump
- Proportional joystick control auxiliary rotation line
- Proportional joystick control auxiliary two way line
- Auxiliary one/two way lines exchange on the monitor
- Auxiliary one/two way lines flow & pressure adjustable on the monitor
- Control pattern-change on the monitor
- Auxiliary rotation line flow adjustable on the monitor

OPERATOR STATION

- Pressurized and sealed cab with all-around visibility
- ROPS certified cab
- Removeable lower windshield
- Openable front windshield
- Large roof window with slide sliding sun visor
- Air suspension deluxe seat (with heater and head rest) + retractable seat belt (75 mm [3 in] width, red colour, with warning alarm)
- Consoles and seat height adjustable follow-up
- 8 inches high resolution LCD touch screen + integrated control panel
- Automatic air conditioner, heater, defroster
- Washable floor mat
- Fire extinguisher
- Safety hammer for cab evacuation
- Storage box
- Cup holder
- Document holding space
- Green safety glass
- Sliding window positioning
- Cab interior lighting
- Tilt-up left side console

ELECTRICAL SYSTEM

- Monitor: working mode, working hour, water temperature, oil temperature, fuel level, DEF level, fuel consumption, rear vision, fault code, work condition etc. machine information
- Warn: low engine oil pressure, low fuel level, air filter clog, machine overheat, maintenance remind etc.
- Front window wiper with intermittent feature
- Wiper intermittent time adjustable
- Bluetooth / AM/FM radio with auxiliary input
- Start-up password
- Work lights shut off delay timer
- Cab light shut off delay timer
- 2 stereo speakers
- 2 signaling/warning horn
- Battery disconnect switch
- Emergency stop on ground
- One-click start
- Machine rear lighting
- Password for attachments flow and pressure adjustments
- Attachments flow and pressure programmable memories
- Overload warning device
- Travel alarm
- Rotating beacon
- 4 boom working lights
- Work lights: separately installed LED in front and rear cab (4 front and 2 rear)
- 360° view
- Quicker-coupler activate warning

UNDERCARRIAGE

- Standard track undercover
- 600 mm (24") track-shoes with triple grousers
- Rollers, bottom - 8 each side
- Rollers, top - 2 each side
- 3 piece track guards (each side)
- Centralized lubrication for swing bearing
- Towing eye on base frame
- Traction hole



UPPER STRUCTURE

- Frame side handrail
- Anti-slip design plates
- Lockable tool box
- Main pump chamber separated by fire board
- Standard frame undercover
- Side door brace automatically lock
- One key for all locks
- Rearview mirror mounted in the RH machine
- Rearview mirror mounted in the LH cab
- 6,400 kg (14,110 lbs) counterweight



DIGGING EQUIPMENT

- 1.0 m³ (1.3 yd³) GP Bucket
- 5,710 mm (18'9") boom
- 2,915 mm (9'7") arm
- Arm front end with guard bars
- Manual centralized lubrication on boom
- Manual centralized lubrication on arm



SERVICE AND MAINTENANCE

- Maintenance tool kit
- Maintenance parts package
- Telematics system
- Remote program update
- Data diagnostic port
- Self-diagnostic system



OPTIONAL EQUIPMENT

ENGINE SYSTEM

- Cold starting kit for -35° C



HYDRAULIC SYSTEM

- Bucket cylinder rod protect
- High pressure quick-coupler pipes
- Low pressure quick-coupler pipes
- Attachment oil drain line
- Additional filter for breaker piping
- Boom drift function
- Straight travel with one pedal
- Automatic hydraulic system warm-up
- Long-life hydraulic oil (replacement cycle 5,000 h)



OPERATOR STATION

- Cab lower window guard
- Cab top guard
- Openable cab front guard
- Cab front guard and top guard (OPG)
- Openable cab front window mesh guard
- 10 inches high resolution LCD touch screen + integrated control panel
- Transparent cab skylight
- Sunscreen
- Front window rain visor



ELECTRICAL SYSTEM

- Work lights: long strip LED light in front and rear cab
- 2 alarm mounted bracket on cab roof



UNDERCARRIAGE

- 700 mm (28"), 800 mm (32"), 900 mm (35") track-shoes with triple grousers
- Additional track step
- Full length track guard
- Dozer with safety valve



UPPER STRUCTURE

Guard fence of upper frame around



DIGGING EQUIPMENT

Bucket linkage with lifting eye



2,400 mm (7'10") short reach arm



Two piece boom (5,700 mm (18'8"))



0.9 m³ (1.2 yd³) earth eype bucket



1.1 m³ (1.4 yd³) GP Bucket



1.2 m³ (1.6 yd³) light duty digging bucket



Hydraulic quick coupler



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