



QUICK REFERENCE GUIDE

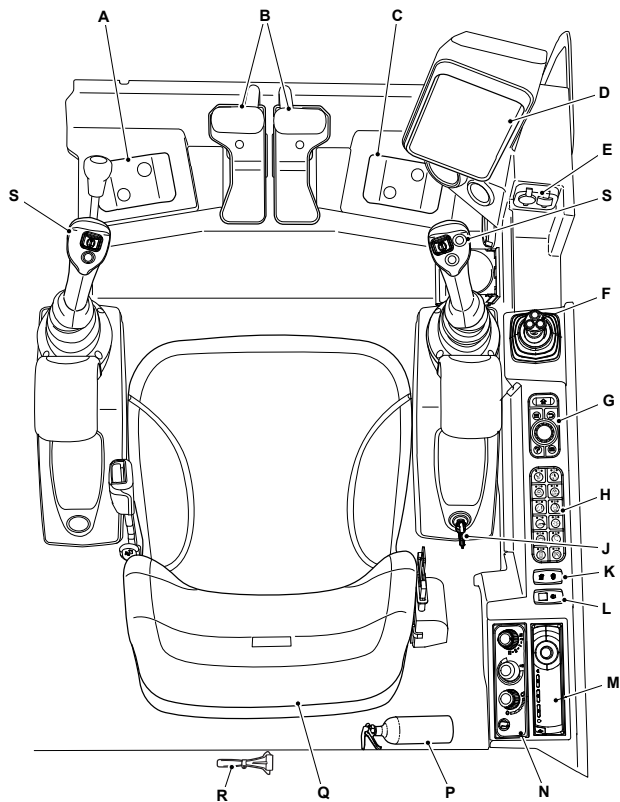
100C-2, 85Z-2, 86C-2, 86C-2 (TAB), 90Z-2

EN - 9828/GAF00 - ISSUE 1 - 01/2025

The information shown in this Quick Reference Guide is taken from the Operator's Manual (9831/8350).

This Quick Reference Guide DOES NOT replace the Operator's Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operator's Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this Quick Reference Guide.

Component Locations



- | | |
|--|------------------------------------|
| A TAB (Triple Articulated Boom) pedal (option) | B Track controls |
| C Foot rest (option) | D Instrument panel |
| E 12V socket and USB (Universal Serial Bus) connector | F Dozer blade control lever |
| G Rotary control | H Switch console |
| J Ignition key switch | K Regeneration switch |
| L Engine stop switch | M Entertainment system |
| N HVAC (Heating Ventilation Air | P Fire extinguisher |

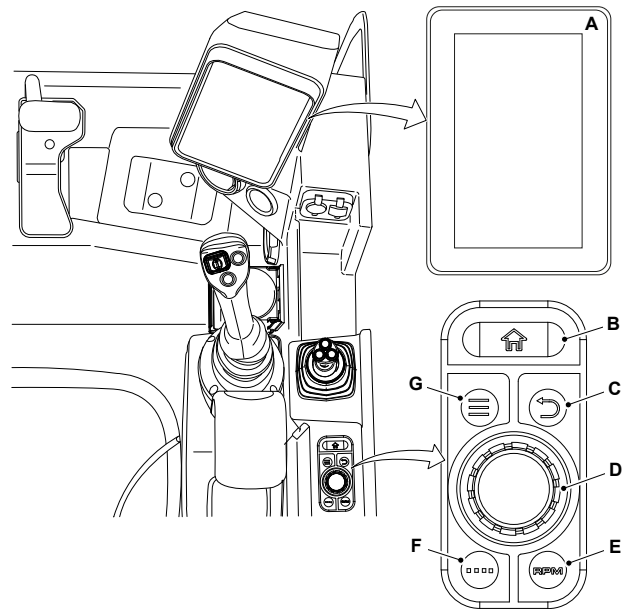
- Conditioning)
controls
Q Operator seat
S Excavator controls

- R** Glazing Breaker

Instrument Panel

The display is located at the front of the cab in the line of sight from the operator's seat. It provides the interface with the machine's electronic system. The display shows machine information such as machine settings, display settings, diagnostic information and service information.

To navigate the display, first ensure the display is within the 'home' location, then use the rotary control to select functions.

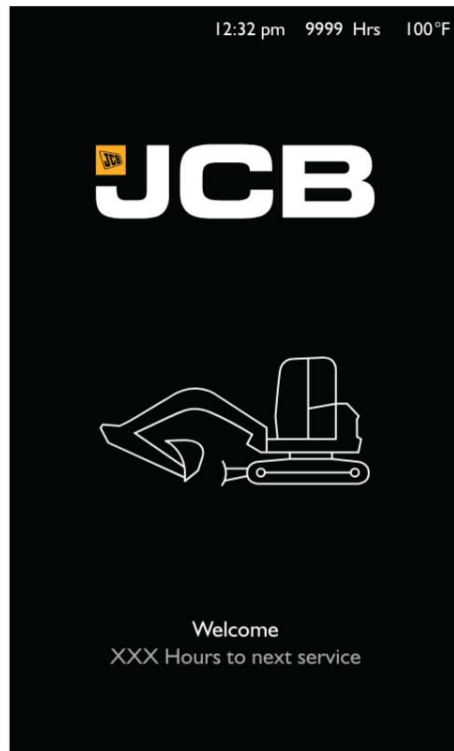


- A** Display
C Back button

- B** Home button
D Rotary control (clockwise = down and right, counter-clockwise = up and left, push = confirm/select).
F Dynamic menu

- E** Display Engine/Speed Mode
G Menu button

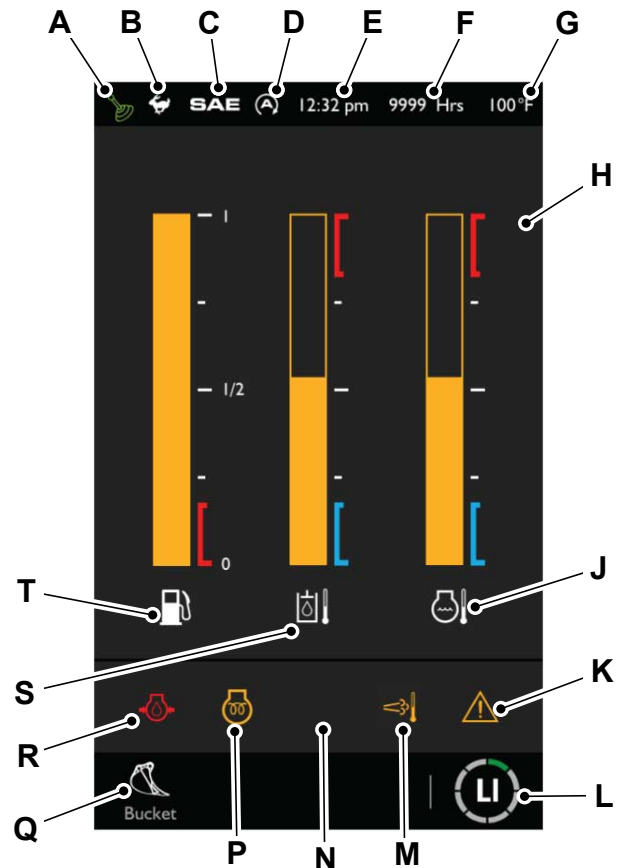
Splash Screen/ Key Information



This screen is shown upon key on or if any button is pressed when the key is off. The operator must fasten the seat belt. If the operator has in possession a valid transponder key and the ignition is turned on then the immobiliser screen is bypassed and the home screen is shown. If the operator turns the ignition without a transponder key then an 'incorrect key' screen is shown.

Home Screen

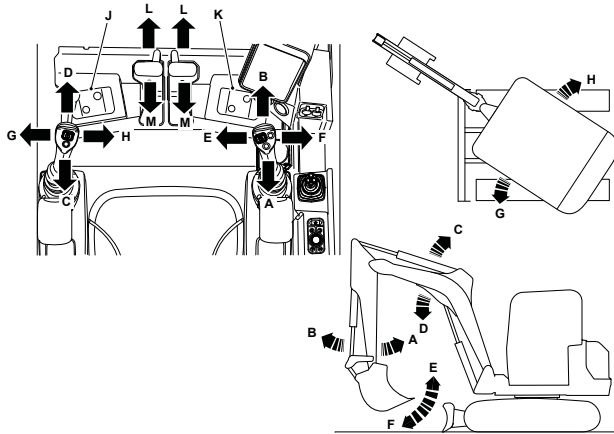
The home screen displays current machine information.



- | | |
|---|---|
| A Hydraulics status | B Speed mode |
| C ISO (International Organization for Standardization)/ SAE (Society of Automotive Engineers) control pattern status | D Auto-stop status |
| E Current time | F Machine hours |
| G External ambient temperature | H Main window |
| J Engine coolant temperature gauge | K MIL (Malfunction Indicator Lamp) |
| L Power band status information | M DPF (Diesel Particulate Filter) status |
| N Battery status | P Grid Heater |
| Q Current attachment status information | R Engine oil pressure |
| S Hydraulic oil temperature | T Fuel gauge |

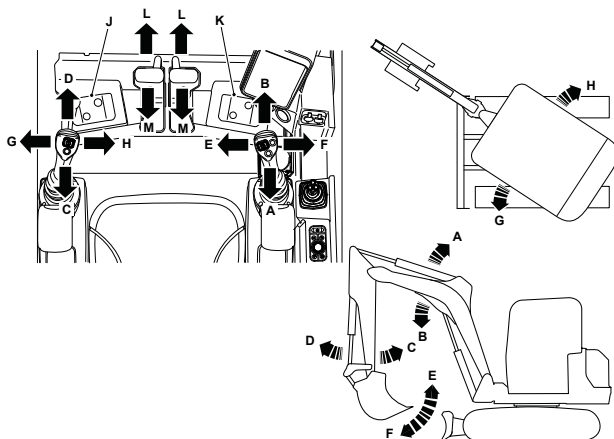
Basic Controls

Excavator Levers (SAE Control Pattern)



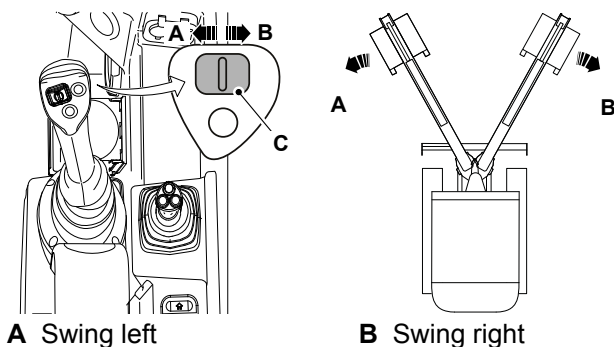
- A** Dipper in
- C** Raise boom
- E** Crowd bucket (to gather a load)
- G** Slew cab left
- J** TAB (option)
- L** Tracking
- B** Dipper out
- D** Lower boom
- F** Dump bucket (to dump a load)
- H** Slew cab right
- K** Foot rest (option)
- M** Tracking

Excavator Levers (ISO Control Pattern)



- A** Raise boom
- C** Dipper in
- E** Crowd bucket (to gather a load)
- G** Slew cab left
- J** TAB (option)
- L** Tracking
- B** Lower boom
- D** Dipper out
- F** Dump bucket (to dump a load)
- H** Slew cab right
- K** Foot rest (option)
- M** Tracking

Swing Control Switch

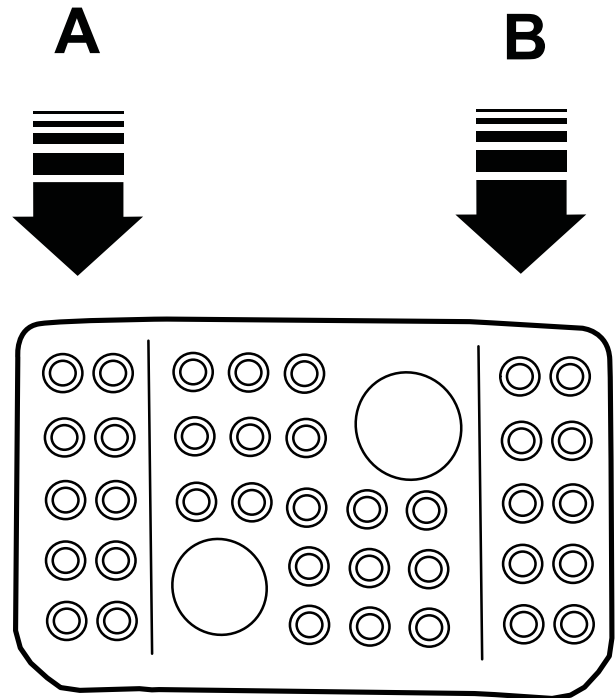


A Swing left

B Swing right

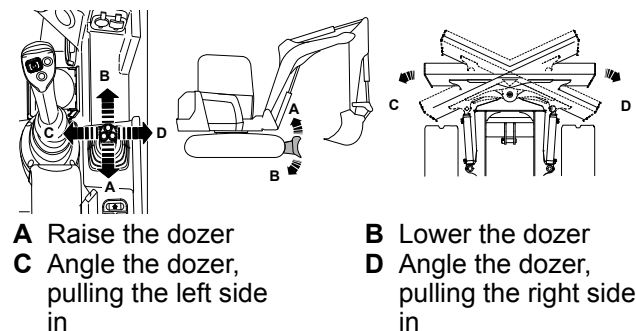
C Swing control switch

TAB Pedal (option)



- A** TAB in
- B** TAB out

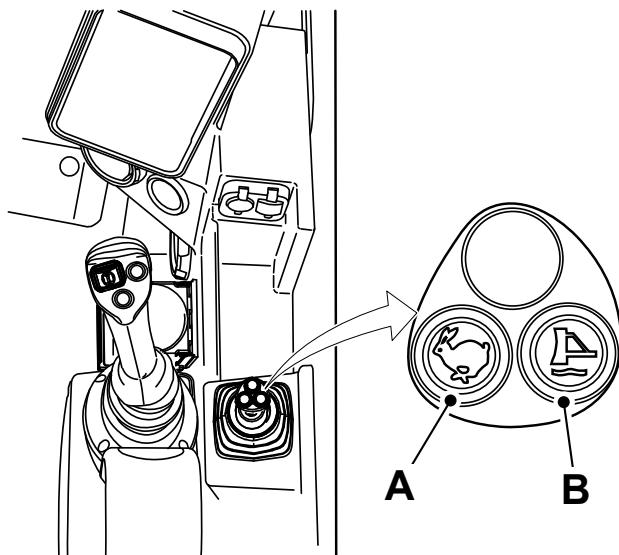
Dozer Lever



- A** Raise the dozer
- C** Angle the dozer, pulling the left side in

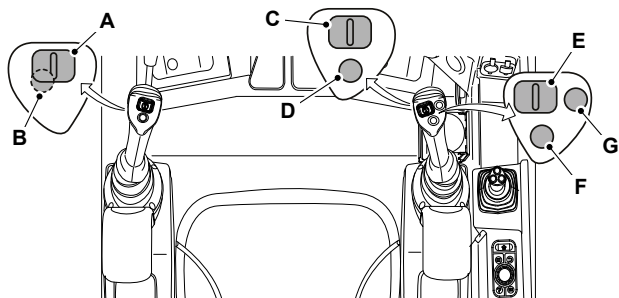
- B** Lower the dozer
- D** Angle the dozer, pulling the right side in

Travel Speed Selector button and Dozer Float switch



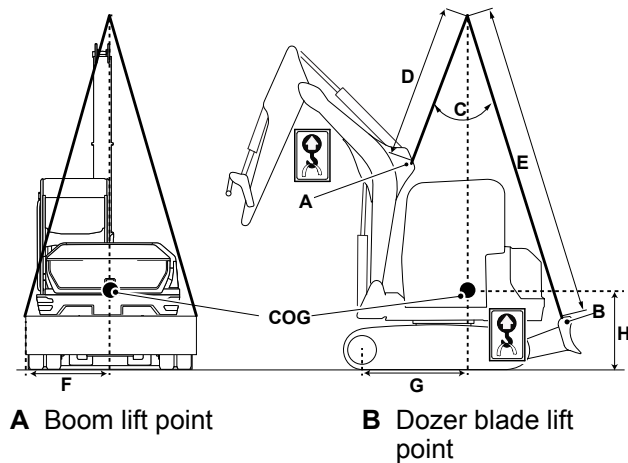
- A** Travel speed selector button
B Dozer float switch

Auxiliary Circuit Controls



- A** Left electro-proportional switch for aux 2 (low flow)
B Tilt/grab changeover for tilt-rotator
C Right electro-proportional switch underside (swing)
D Right finger button - Full/high flow
E Right electro-proportional switch for aux 1 (high flow)
F Left finger button - Horn
G Right finger button - Engine speed down (one touch idle)

Lifting Points

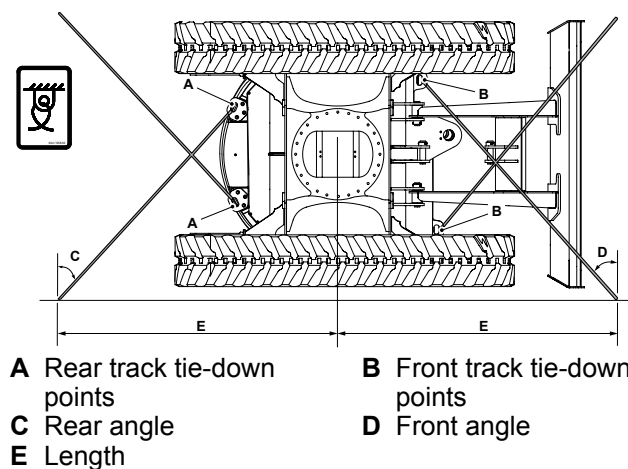


A Boom lift point

B Dozer blade lift point

Item	85Z-2	86C-2 (Mono-boom)	86C-2 (TAB)	90Z-2	100C-2
C	30°	30°	25°	30°	30°
D mm	2,755	2,295	2,263	2,725	2,075
E mm	5,325	5,285	5,352	5,800	5,250
F mm	1,096	1,083	1,090	1,091	1,091
G mm	990	1,187	1,203	982	1,207
H mm	915	1,449	1,177	1,073	1,038

Tie Down Points



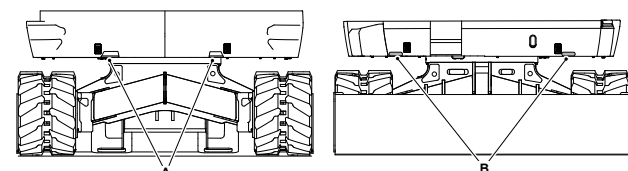
A Rear track tie-down points

B Front track tie-down points

C Rear angle

D Front angle

E Length



A Rear track tie-down points (both sides)

B Front track tie-down points (both sides)

Lashing capacity	59,000N
Minimum lashing breaking force	117,000N

Tie-down point angles

	Rear Angle (C)		Front Angle (D)			
	Max	Min	RHS		LHS	
			Max	Min	Max	Min
Angle	23.27°	17.98°	13.44°	10.38°	19.96°	12.01°
Length (E)mm	2,000	3,100	935	1,950	935	1,950

Operator Maintenance Tasks

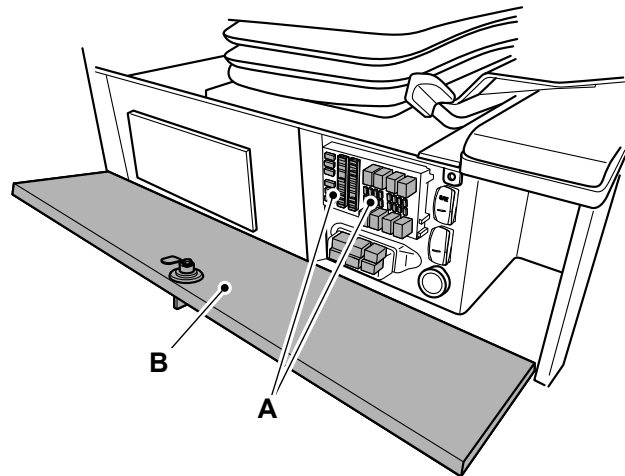
Component	Task	10	50
Attachment/Lifting Equipment			
As required	Check (condition)	○	○
Bodywork and Cab			
General condition	Clean/Check	○	○
Slew ring bearing	Lubricate		○
Operator protective structure	Check	○	○
Seat belt condition/operation	Check	○	○
Fire extinguisher	Check	○	○
Electrics			
Instrument panel operation	Check	○	○
Wiring security/integrity	Check		○
Battery	Clean		○
Battery isolator operation	Check		○
Window washer fluid level	Check	○	○
General	Check (operation)		○
Engine, Fuel & Cooling System			
General	Check (condition)	○	○
Engine compartment hose condition/security	Check	○	○
Oil level	Check	○	○
Front end drive belt condition	Check		○
Compressor drive belt condition/tension	Check		○
Air filter	Check		○
Air filter dust valve operation	Check/Clean		○
Fuel System	Check (leaks)		○
Fuel filter/water separator	Clean/Drain	○	○
Coolant level	Check	○	○
Cooling pack	Check/Clean	○	○
Hydraulics			
Hose and pipework security/leaks	Check		○

Component	Task	10	50
Oil level	Check	○	○
Rams security/condition	Check		○
Hoses and Pipework	Check (operation)		○
Services	Check (operation)	○	○
Undercarriage, Track			
Track condition	Check	○	○
Track tension	Check	○	○
Track plate security (steel tracks only)	Check	○	○
Miscellaneous			
Fit for Purpose Test ⁽¹⁾	Check (operation)	○	○

(1) Jobs which must be performed by a specialist.

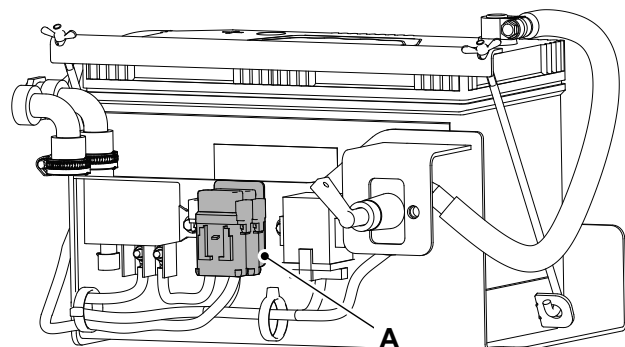
Fuses and Relays

1. Make the machine safe.
2. The fuses and relays are behind a panel under the seat.
 - 2.1. Use the ignition key to open the panel.
 - 2.2. Close the panel with the ignition key.



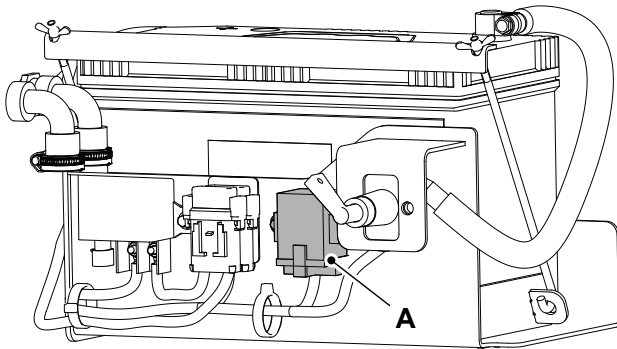
A Fuse and Relay
B Panel

3. The grid heater fuse is placed next to the battery in the hydraulic compartment.



A Grid heater fuse

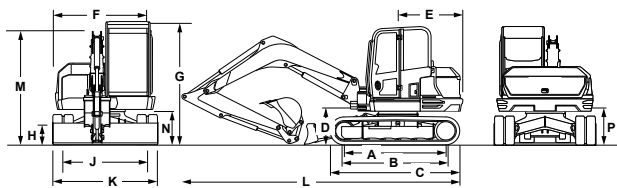
4. There is a relay next to the battery in the hydraulic compartment.



A Relay

Dimensions

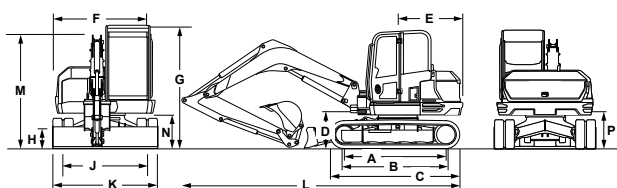
(For: 85Z-2 [STV JCB])



Item	Description	Length
A	Sprocket idler centres	2,325mm
B	Track length on ground	2,325mm
C	Undercarriage overall length - rubber	2,950mm
	Undercarriage overall length - steel	2,900mm
D	Kingpost clearance	793mm
E	Tailswing radius	1,145mm
F	Overall width of superstructure	2,168mm
G	Height over cab	2,706mm
H	Ground clearance	350mm
J	Track gauge	1,850mm
K	Width over tracks (450 shoes)	2,300mm
L	Transport length with standard dipper	5,833mm
M	Transport height with standard dipper	2,706mm
N	Track height	650mm
P	Counterweight clearance	762mm

(For: 86C-2 (TAB) [STV JCB], 86C-2 [STV JCB])

Monoboam

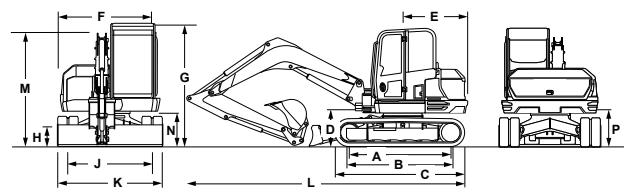


Item	Description	Length
A	Sprocket idler centres	2,325mm
B	Track length on ground	2,325mm
C	Undercarriage overall length - rubber	2,950mm
	Undercarriage overall length - steel	2,900mm
D	Kingpost clearance	793mm
E	Tailswing radius	1,490mm
F	Overall width of superstructure	2,187mm
G	Height over cab	2,706mm
H	Ground clearance	350mm
J	Track gauge	1,850mm
K	Width over tracks (450 shoes)	2,300mm
L	Transport length with standard dipper	6,435mm
M	Transport height with standard dipper	2,706mm
N	Track height	650mm
P	Counterweight clearance	762mm

Triple Articulated Boom (Option)

Item	Description	Length
A	Sprocket idler centres	2,325mm
B	Track length on ground	2,325mm
C	Undercarriage overall length - rubber	2,950mm
	Undercarriage overall length - steel	2,900mm
D	Kingpost clearance	793mm
E	Tailswing radius	1,600mm
F	Overall width of superstructure	2,187mm
G	Height over cab	2,706mm
H	Ground clearance	350mm
J	Track gauge	1,850mm
K	Width over tracks (450 shoes)	2,300mm
L	Transport length with standard dipper	6,655mm
M	Transport height with standard dipper	2,706mm
N	Track height	650mm
P	Counterweight clearance	762mm

(For: 90Z-2 [STV JCB])

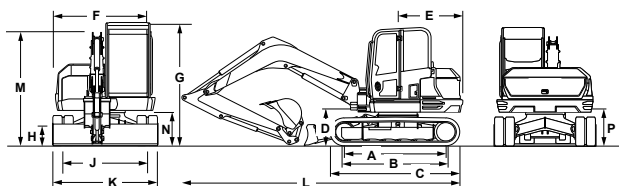


Item	Description	Length
A	Sprocket idler centres	2,325mm
B	Track length on ground	2,325mm

Item	Description	Length
C	Undercarriage overall length - rubber	2,950mm
	Undercarriage overall length - steel	2,900mm
D	Kingpost clearance	793mm
E	Tailswing radius	1,145mm
F	Overall width of superstructure	2,187mm
G	Height over cab	2,706mm
H	Ground clearance	350mm
J	Track gauge	1,850mm
K	Width over tracks (450 shoes)	2,300mm
L	Transport length with standard dipper	6,585mm
M	Transport height with standard dipper	2,706mm
N	Track height	650mm
P	Counterweight clearance	762mm

(For: 100C-2)

Monoboomb



Item	Description	Length
A	Sprocket idler centres	2,325mm
B	Track length on ground	2,325mm
C	Undercarriage overall length - rubber	2,950mm
	Undercarriage overall length - steel	2,900mm
D	Kingpost clearance	793mm
E	Tailswing radius	1,600mm
F	Overall width of superstructure	2,187mm
G	Height over cab	2,706mm
H	Ground clearance	350mm
J	Track gauge	1,850mm
K	Width over tracks (450 shoes)	2,300mm
L	Transport length with standard dipper	6,860mm
M	Transport height with standard dipper	2,706mm
N	Track height	650mm
P	Counterweight clearance	762mm

Notes:
