

LOADER RANGE • 1821 • 2421 • 2721 • 2821 • 3021
18-55HP

CHALLENGE IMPLEMENTS

AUSTRALIAN TECHNOLOGY TO LOAD, LIFT AND CARRY



COMPACT BY DESIGN & VERSATILE BY NATURE



Challenge compact and mid-size loaders can be specified with a choice of standard or 4-in-1 bucket designs which enable you to move and collect soil, mulch and gravel easily and neatly. All models feature mechanical self-levelling. Lift capacities span 439kg to 1584kg and maximum lift heights range from 1790mm to 3100mm.

THE PERFECT MATCH

Challenge compact and mid-size loaders have been specially developed for 18-55hp tractor ranges. Designed for Australian conditions featuring excellent visibility, durable performance and solid construction that allows you to handle bigger tasks and longer hours. The compact and mid-size loader mechanical level lift system is the best form of operator protection against “rollback” and is designed to meet latest standards for Supply and Manufacture of Front End Loaders. Designed with service access and visibility in mind the excellent visibility to the bucket is thanks to the loaders mid-mount design, narrow boom arms and small uprights. All key pivot points are fitted with heavy-duty bushes. These can all be lubricated from the side of the loader, with easy to see recessed grease points.

CAM LOCK ATTACH SYSTEM

Challenge compact and mid-size loaders feature the “Cam Lock” attachment system, which secures the loader arm in place and is easily released without the use of any special tools. Integrated park stands, colour coded hydraulic couplers and easy access to grease points make the compact and mid-size loader the multipurpose tool for your property.

1. Drive the tractor into the parked loader;
2. Connect the four colour coded hydraulic lines;
3. Insert the “Cam Lock” pins to lock the towers and the arms together;
4. Lift the loader arms; and
5. Fold up and secure the park stands.

SPECIFICATIONS

1821
2421
2721
2821
3021

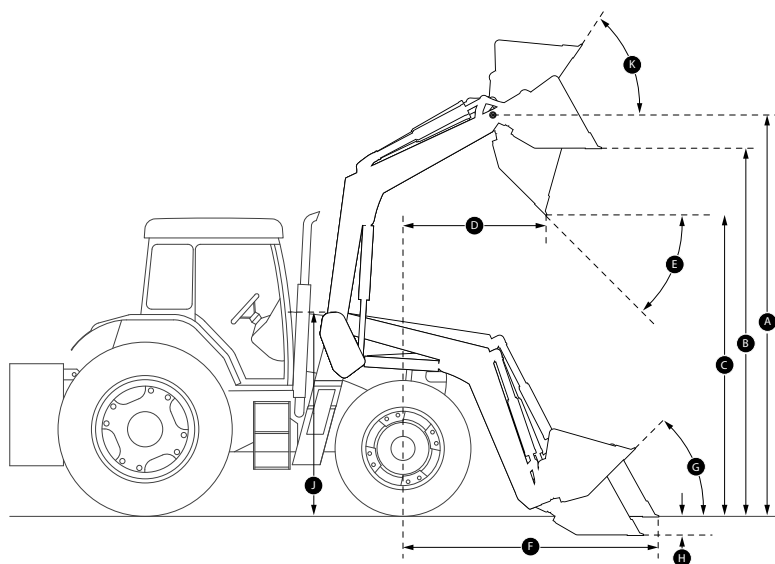
A - Maximum lift height to pivot pin	1790mm	2450mm	2703mm	2840mm	3100mm
B - Maximum lift height under level bucket	1575mm	2221mm	2475mm	2550mm	2810mm
C - Clearance with bucket dumped *	1140mm	1790mm	2048mm	2000mm	2260mm
D - Reach at maximum lift height **	985mm	800mm	930mm	1060mm	1110mm
E - Maximum dump angle	78°	55°	56°	58°	58°
F - Reach with bucket on ground ***	1390mm	1560mm	1615mm	1940mm	2000mm
G - Maximum rollback angle	49°	49°	49°	49°	49°
H - Digging depth	80mm	120mm	120mm	140mm	140mm
J - Overall height in carry position	1190mm	1275mm	1450mm	1550mm	1675mm
K - Maximum rollback angle at maximum lift height	44°	52°	52°	49°	49°
Tractor pump pressure (will vary depending on tractor model)	130bar	150bar	175bar	185bar	185bar
Lift capacity at pivot pin - Ground level	439kg	739kg	1062kg	1490kg	1584kg
Lift capacity at pivot pin - Maximum lift height	323kg	497kg	731kg	1242kg	1380kg
Lift capacity at 500mm from pivot pin - Ground level	309kg	537kg	757kg	-	-
Lift capacity at 500mm from pivot pin - 1.5m lift height	244kg	425kg	846kg	-	-
Lift capacity at 500mm from pivot pin - Maximum lift height	230kg	320kg	508kg	-	-
Lift capacity at 800mm from pivot pin - Ground level	-	-	-	1350kg	1500kg
Lift capacity at 800mm from pivot pin - 1.5m lift height	-	-	-	1306kg	1440kg
Lift capacity at 800mm from pivot pin - Maximum lift height	-	-	-	900kg	1000kg
Bucket rollback force at ground height	500kg	575kg	670kg	1100kg	1100kg
Loader weight	172kg	202kg	236kg	360kg	428kg
Mechanical Self Levelling	Standard	Standard	Standard	Standard	Standard
Easy Detach Loader Frame	Standard	Standard	Standard	Standard	Standard
Manual Locking Attachment Quick Coupler	-	Standard	Standard	-	-
Auto Locking Attachment Quick Coupler	-	-	-	Standard	Standard

*Vertical distance from ground line to lowest point of cutting edge when bucket is dumped 45° and loader is fully raised.

**Horizontal distance from tip of bucket cutting edge to centre line of tractor front wheels with loader fully raised and bucket dumped at 45°.

***Horizontal distance from tip of bucket cutting edge to centre line of tractor front wheels with bucket level on ground.

Specifications vary with tractor models.



AUSTRALIAN TECHNOLOGY TO LOAD, LIFT AND CARRY



Challenge Implements

Leewood Drive, Orange NSW 2800

PO Box 7039, Orange NSW 2800

Phone: (02) 6362 2799 • Fax: (02) 6361 3584

Email: loadersales@cih.com.au

www.cih.com.au

ABN 63 002 035 529

Challenge Implements reserves the right to improve specifications and change the design of its products without prior notification.

Challenge Implements designs, manufactures and supplies agricultural attachments that are intended to be used on Challenge Implements front end loaders and other front end loaders approved by the company. Challenge Implements front end loaders and attachments are made to comply with the Tractor Manufacturers Association (TMA) code of practice. Attachments must not be modified and should only be used for their stated use.