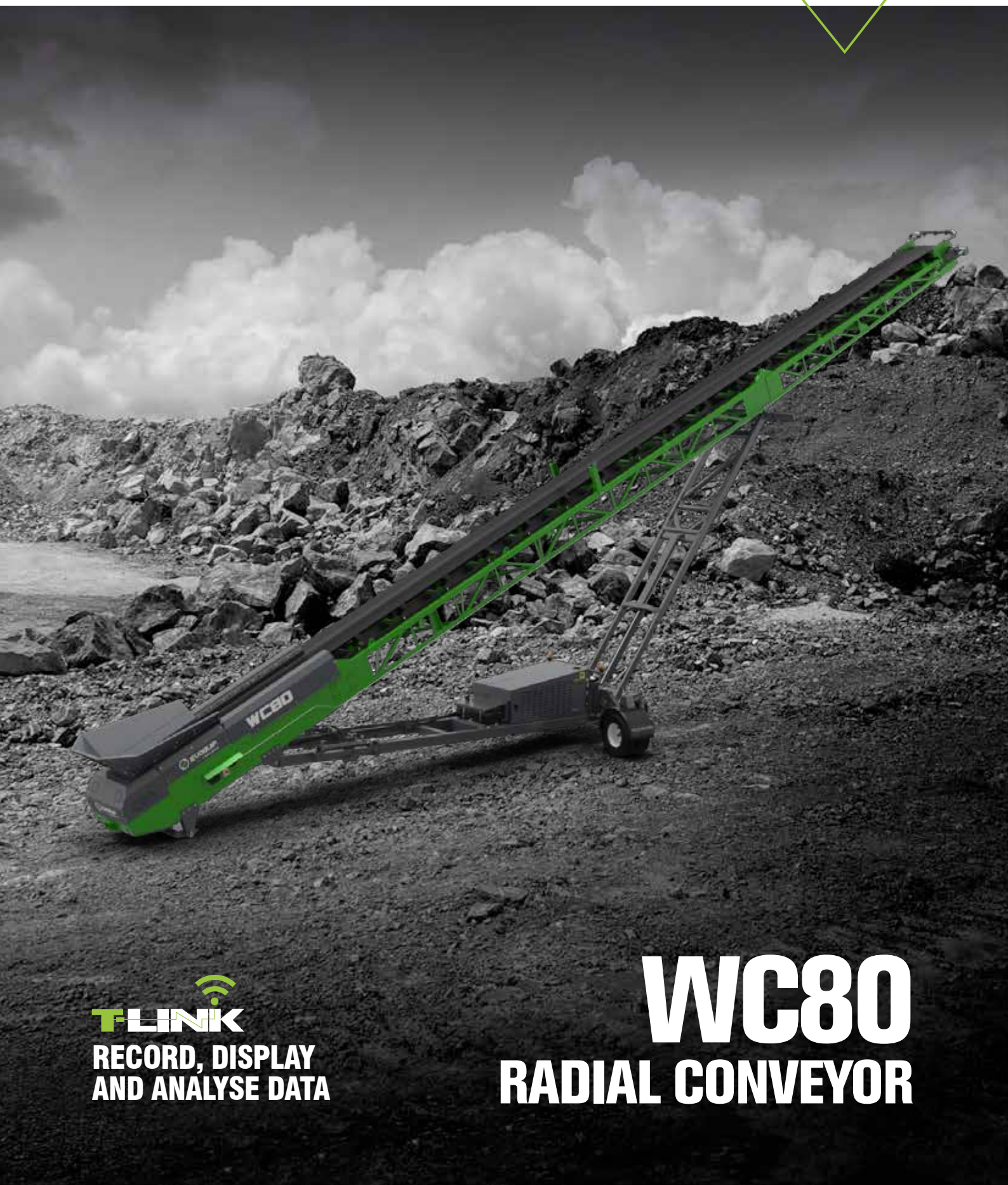
TECHNICAL
SPECIFICATION

EVOQUIP®
A TEREX BRAND



T-LINK
RECORD, DISPLAY
AND ANALYSE DATA

WC80
RADIAL CONVEYOR

WC80 RADIAL CONVEYOR

OVERVIEW

Total Weight	9,000kg (19,842bs)				
Transport Road	Length Height Width	16.17m (52′ 11″) 3.36m (11′) 2.5m (8′ 3″)	Transport Pit	Length Height Width	16.55m (54′ 3″) 3.95m (12′ 11″) 3.1m (10′ 2″)
Working Road & Pit	Drum Length Height Width Road Width Pit Max Angle	22.85m (74′ 10″) 9.95m (32′ 7″) 4.48m (14′ 8″) 3.28m (10′ 9″) 23º			
Power Unit	CAT 18.4kW (24hp) or Honda 3.7kW (5hp)				

NOTE: Dimensions may differ slightly from sales drawings due to differences in angles / reference points.

FEATURES & BENEFITS

- High capacity up to 300tph (331 US tph).
- Maximum feed size up to 100mm (4″).
- Single axle with dual wheels for increased stability in transport and reduced ground compaction.
- Road legal for American transport.
- Easy transport - two of these units can fit into a shipping container, and two can fit onto a trailer.
- Extended feedboot skirting to prevent spillage.
- Low level grease points for easy maintenance.
- Large canopy door for full access to the power unit.
- Braked axle.
- Mechanical engine with no after treatment.
- Lattice design for increased strength and reduced weight.
- High quality plough scraper.
- Filters are compatible with other Terex equipment for easy service.
- Optional radial hydraulic function available.
- Two emergency stops.



WC80 RADIAL CONVEYOR

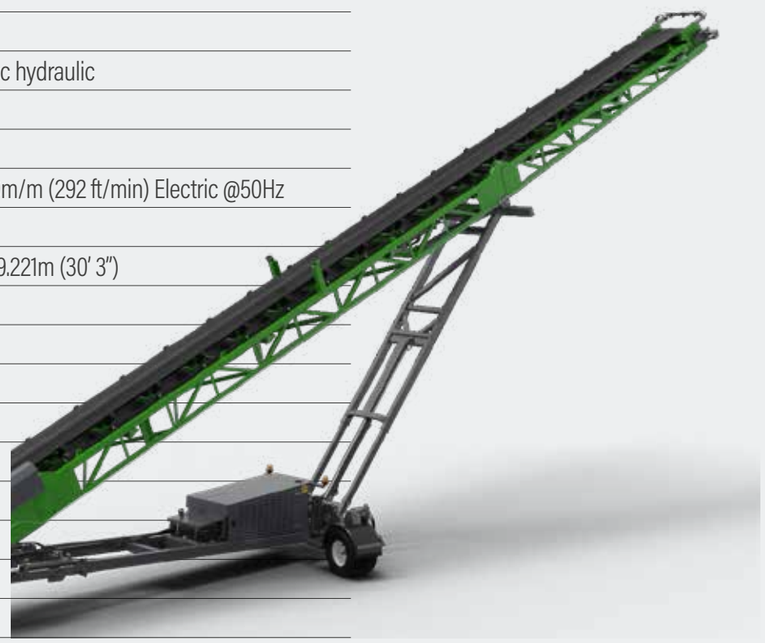


FEEDBOOT

Standard Feedboot Capacity:	0.35 m³ (0.43yd³)
Feed in Width:	775mm (2′ 7″)
Extended Feedboot Capacity:	1.1m³ (1.4yd³)
Extended Feed in Width:	1658mm (5′ 2″)
Standard Min Feed Height:	1534mm (5′)
Extended Min Feed Height:	1793mm (5′ 10″)

DISCHARGE CONVEYOR

Width:	900mm (36″)
Belt Centres:	22.85m (74′ 10″)
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Motor Size:	15kW electric, OMV 500cc hydraulic
Drive Drum Dia:	293mm (11.5″)
Tail Drum Dia:	273mm (10.7″)
Max Speed:	76m/m (249 ft/min) Hydraulic, 89m/m (292 ft/min) Electric @50Hz
Operating Angle:	7º - 23º
Discharge Height @23º Conical Stockpile:	9.221m (30′ 3″)
Discharge Radius:	20.958m (68′ 9″)
0º Radial:	1,446m³ (2,313 Cu.Yd)
30º Radial:	2,684m³ (4,295 cu.yd)
60º Radial:	3,922m³ (6,275 cu.yd)
90º Radial:	5,160m³ (8,257 cu.yd)
120º Radial:	6,399m³ (10,238 cu.yd)
150º Radial:	7,637m³ (12,219 cu.yd)
180º Radial:	8,875m³ (14,200 cu.yd)
270º Radial:	12,590m³ (20,143 cu.yd)



CHASSIS OPTIONS (ROAD)

Wheel Radius:	398mm (15.7″)
No of Axles:	1
No of Studs:	8
Braked axle	
Light board	
Hydraulic kingpin jack legs (must have an engine selected).	

CHASSIS OPTIONS (PIT)

Wheel Radius:	398mm (15.7″)
No of Axles:	1
No of Studs:	8

NOTE The customer must choose which chassis they require.

When a road chassis is selected, if either a deployment or full engine is not selected then the user will lose the ability to choose either the single wheel drive option or the hydraulic jack leg option.

POWER UNIT

Engine:	CAT C1.7T
Power Rating:	18.4kW (24hp)
RPM:	2300rpm
Diesel Tank Capacity:	95L (25 US GAL)
Hydraulic Tank Capacity:	270L (71 US GAL)

DEPLOYMENT ENGINE

Engine:	Honda
Power Rating:	3.7kW (5hp)



NOTE The customer has 4 options to choose from regarding how their unit is powered:

1. Via hydraulic coupling from another machine (ability to power all hydraulic functions without an on-board engine) - Standard offering.
2. Electric drive as standard - plug into an external power source
3. Full engine
4. Deployment engine

When the electric option is chosen, the following options cannot be selected unless a deployment engine or coupling drive is selected:

- Hydraulic fold over for transport

- Hydraulic angle adjust

If the standard electric option is selected, and the pull cord emergency stop options are selected, it is the customers responsibility to connect them to the power source.

OPTIONS

Hydraulic Axle Jacking Legs

The hydraulic axle jacking legs make it easy to convert the machine from towing mode to working / radial mode.

Hydraulic Feedboot End Transport Jacking Legs

The hydraulic feedboot end transport jacking legs make it convenient to raise and lower the machine for towing purposes.

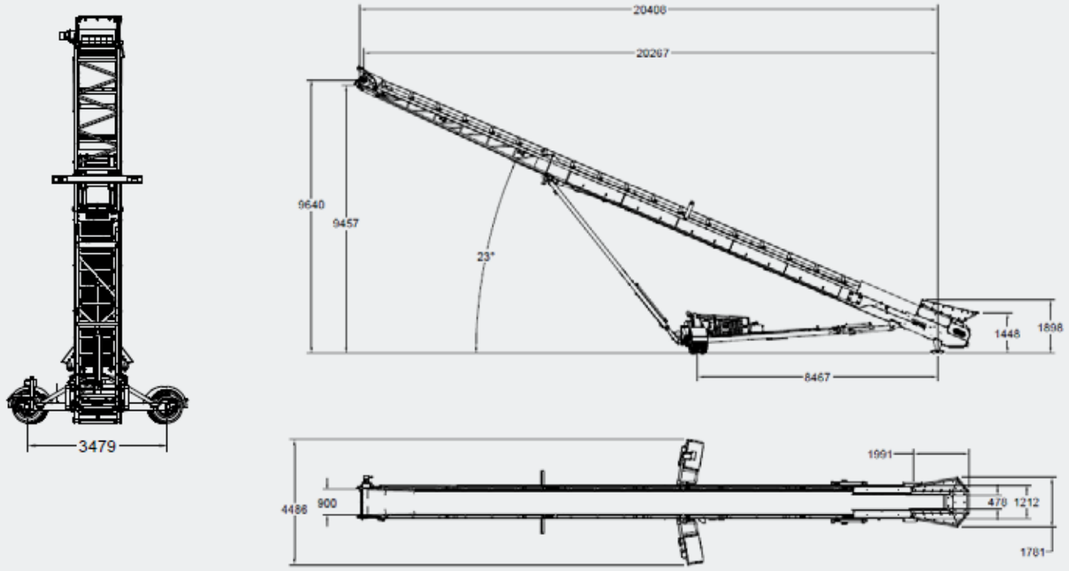
Other Options

- Feedboot with removable 6mm steel wear liners
- Feedboot wear liners - 6mm AR400
- Feedboot extension with liners - Mild steel, 6mm AR400 or 20mm rubber
- High spec scraper at the head drum - plain belt only
- Chevron belt EP 315/3 Ply x 3 + 1.5 covers
- Heavy duty plain belt EP500/3 8 + 2 covers
- Conveyor under guard the length of mid-section
- Hydraulic fold over for transport - must select an engine
- Hydraulic angle adjust - must select an engine
- Manual radial functionality
- Canvas dust covers on conveyor (can be retrofitted)
- Spray bar at head drum
- Hydraulic axle jack legs - pit chassis only and an engine must be selected
- Single wheel drive - pit chassis only and an engine must be selected
- Towing eye - road chassis only
- ISO 68 hydraulic oil - an engine must be selected
- Emergency stops
- Pull cord emergency stop control panel side
- Pull cord emergency stop non control panel side
- Special paint colour

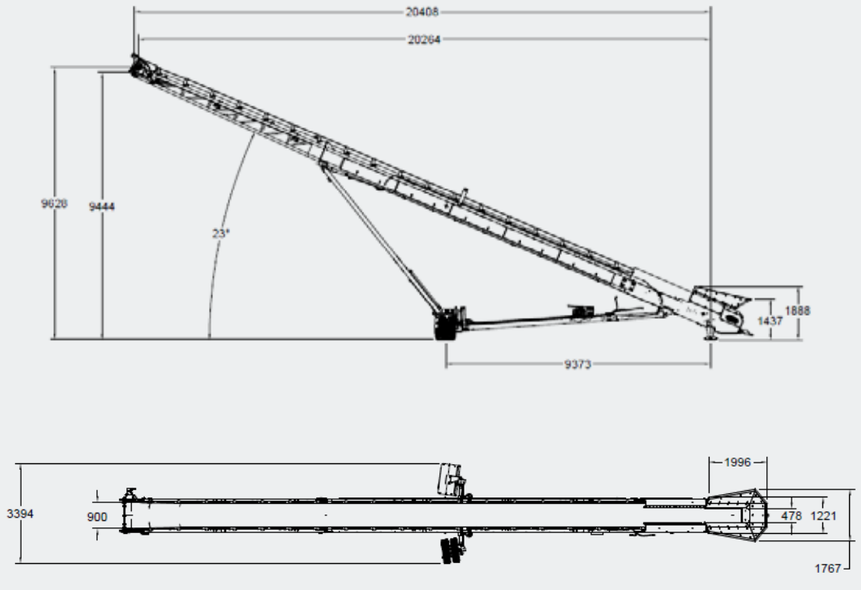
WC80 RADIAL CONVEYOR

WORKING DIMENSIONS

(Road)

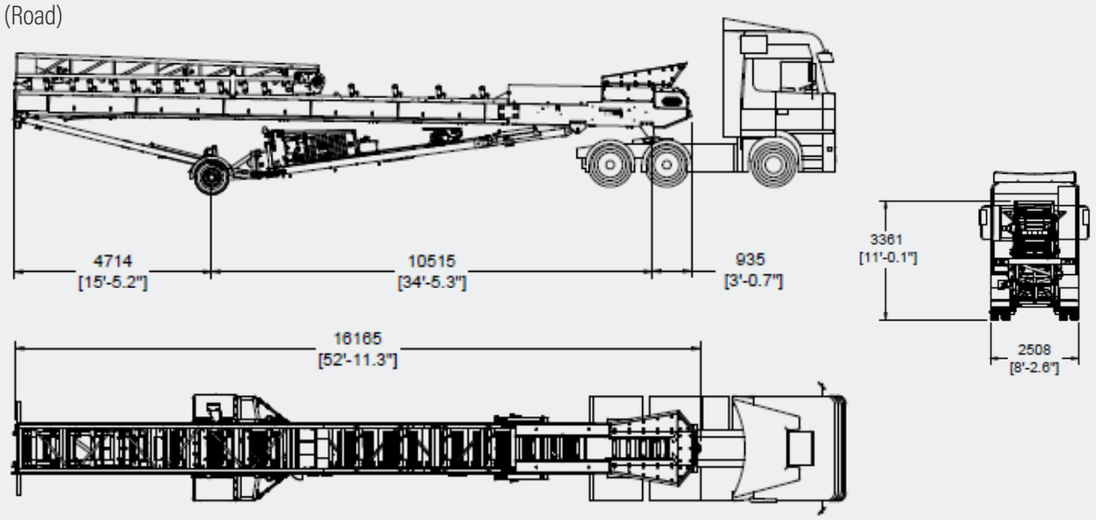


(Pit)

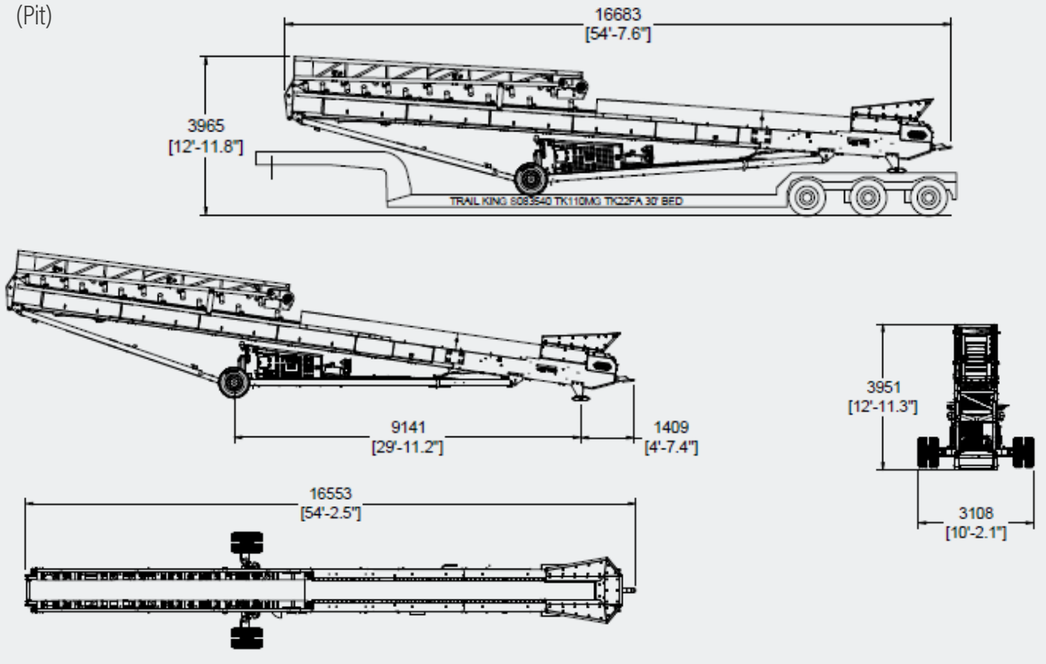


TRANSPORT DIMENSIONS

(Road)



(Pit)





200 Coalisland Road,
Dungannon, Co. Tyrone, BT714DR
Tel: +442887718500
Email: EvoQuip@terex.com

terex.com/EvoQuip

The material in this document is for information only and is subject to change without notice.
Terex assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein.
Due to continual product development we reserve the right to change specifications without notice.
Photographs are for illustrative purposes only, some or all of the machines in the illustrations may be fitted with optional extras.
Copyright 2021 Terex GB Limited.
Published and Printed in November 2021.