



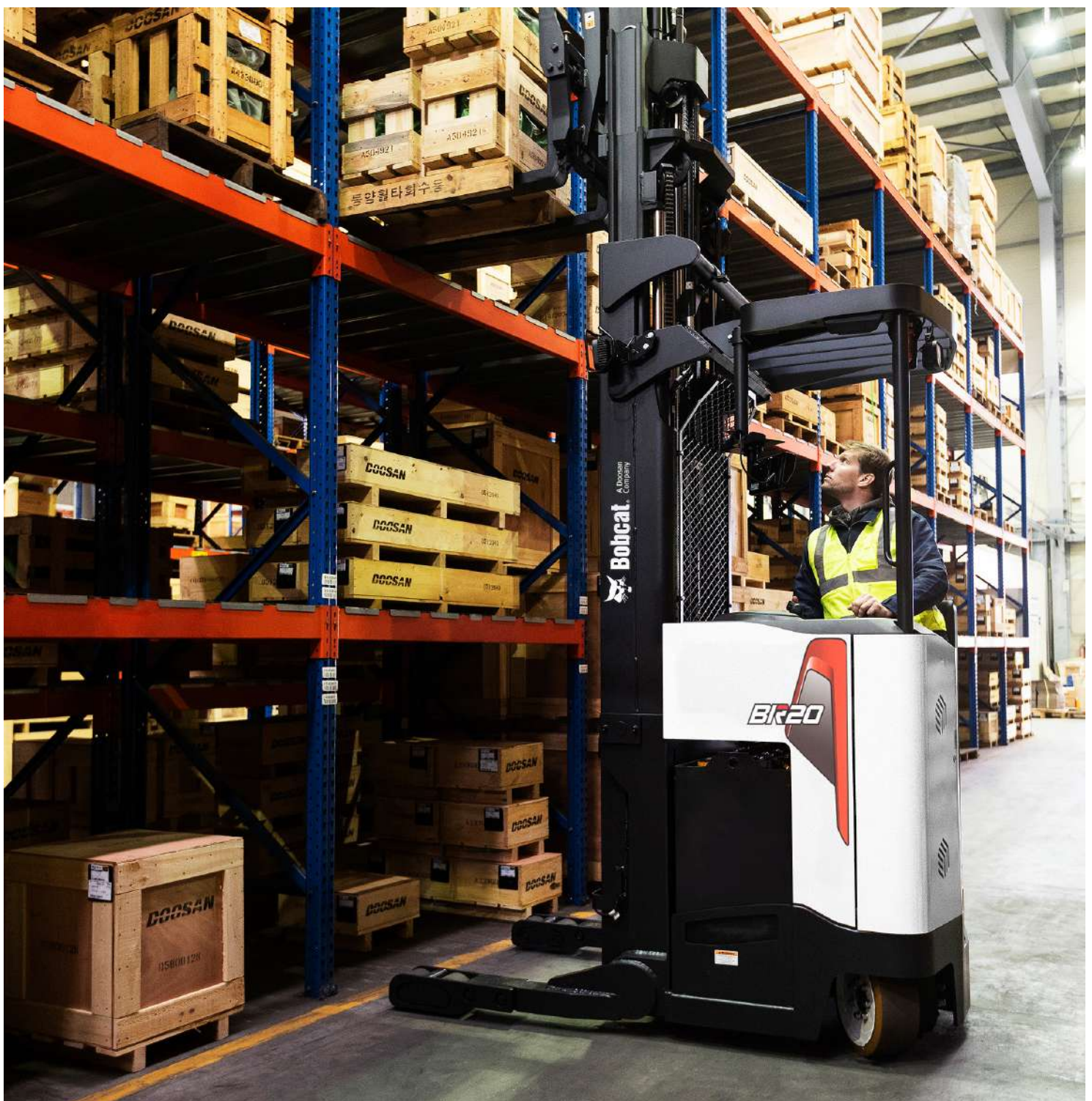
Bobcat®

One Tough Animal.

REACH TRUCK

7-Series, Electric, 1.6 to 1.8ton capacity, Pantograph type

BR18SP-7 PLUS / BR20SP-7 PLUS



ONE TOUGH ANIMAL

► OUR MISSION

We empower operators to accomplish more, while working in the toughest conditions and tightest situations. When our customers have the will, we provide the way.

INTRODUCTION

► BOBCAT'S HISTORY

In 1958, Melroe Manufacturing Company introduced a compact front-end loader that evolved quickly into the M400, the world's first true skid steer loader. The company soon adopted what became the world-famous 'Bobcat' brand – and its success paved the way for the global compact equipment industry we know today.

► YEARS OF EXPERIENCE

In 2021, Bobcat expanded its portfolio by acquiring Bobcat Industrial Vehicle. This specialist in material handling equipment constructed its first forklift in 1968 and went on to establish a global presence with 400 dealers in 93 countries.



► BOBCAT TODAY

Bobcat is expanding its portfolio with the addition of forklifts and reach trucks for the material handling industry. Offering a comprehensive line-up that will meet all your intralogistics needs. Bobcat forklifts and reach trucks are produced in our factory in Korea and China, while our premium quality warehouse equipment is made in Germany.



TOUGH, AGILE & SAFE

► **STREAMLINE YOUR WAREHOUSE WITH NEW DOOSAN REACH TRUCK**

Bobcat reach truck combines outstanding performance, durability and convenience with the highest level of safety features, making your warehouse logistics more productive and efficient.



► **OUTSTANDING PRODUCTIVITY**

The combination of powerful motor, transfer and AC controller maximizes the performance and gives best productivity in various work applications.

P 6-7



► **SAFETY IN EVERY MOVE**

Various safety features prevent unexpected safety accidents and protect operator.

P 8-9



► **COMFORT&CONTROLS**

The various convenience features are equipped as standard, providing more comfortable working environment with less fatigue.

P 10-11



► **DURABILITY GUARANTEED**

Bobcat reach truck equipped with fully proven parts delivers enough durability even in harsh environment.

P 12-15



OUTSTANDING PRODUCTIVITY



► BRIGHT LED LIGHT

Bright, semi-permanent LED light equipped as standard provides brighter visibility.



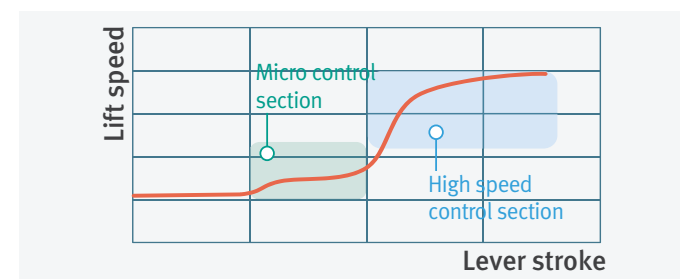
► TOP TIER LEVELS OF PERFORMANCE

The fast lift / lower / travel speed delivers high productivity in a large warehouse.



► FRONT CAMERA (OPTION)

It complements operator's view in the high rack. Camera is positioned behind the fork, assuring wider view.



► OPTIMIZED LIFT/REACH CONTROL

- Lifting control is optimized to make it responsive and precise. It provides precise control in micro control section and fast lifting in high speed control section.
- Reach in-out delay is minimized for more responsive operating.



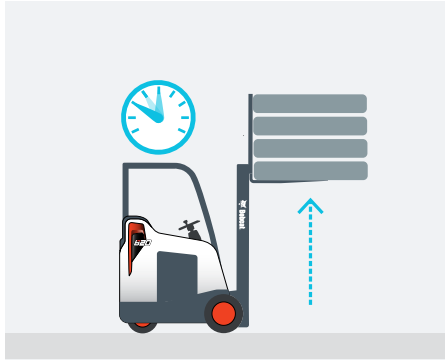
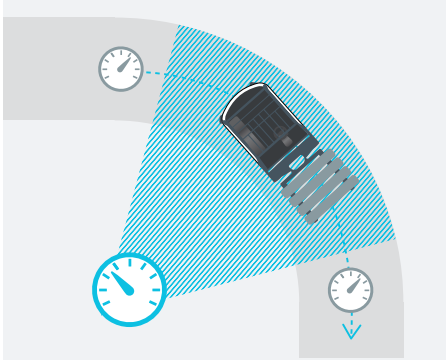
► HEIGHT INDICATOR AND PRE HEIGHT SELECTOR (OPTION)

- Preset the height in advance (Max 8 different height) If you choose the height, it will lift up to the height automatically.
- Display also indicates the accurate height mast positioned.

SAFETY IN EVERY MOVE

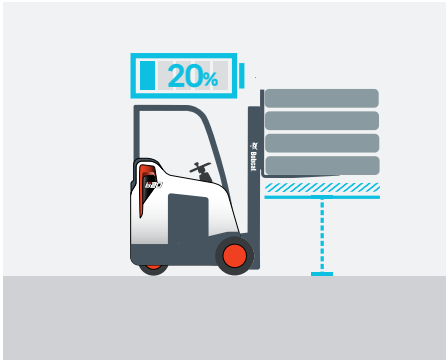
▶ ADVANCED PROTECTION FOR YOU AND YOUR OPERATION

Doosan 7 Series Pantograph reach truck with the highest level of safety features prevents unexpected accidents. Doosan's unique GSS(Guardian Stability System) system prevents safety accidents in unexpected situations. It helps to handle heavy loads stably when operating at the high rack.



▶ TURNING SPEED CONTROL

Automatically reduces the turning speed to prevent truck from rollover.



▶ OSS (OPERATOR SENSING SYSTEM)

Whenever the operator leaves the truck, mast lifting/lowering function is restricted for safety.



▶ AUTO DECELERATION (OPTION)

Travel speed is automatically reduced by 50% if mast is positioned in the secondary stage. *Height indicator option is required.



▶ BATTERY LEVEL CONTROL

Lifting/lowering are restricted if battery level is less than 20%.



▶ AUTO PARKING BRAKE

Parking brake is automatically applied 3 seconds after truck stops.



▶ STARTUP CONTROL

The truck can only be started when the control lever is in the neutral position.



▶ AUTO CENTERING

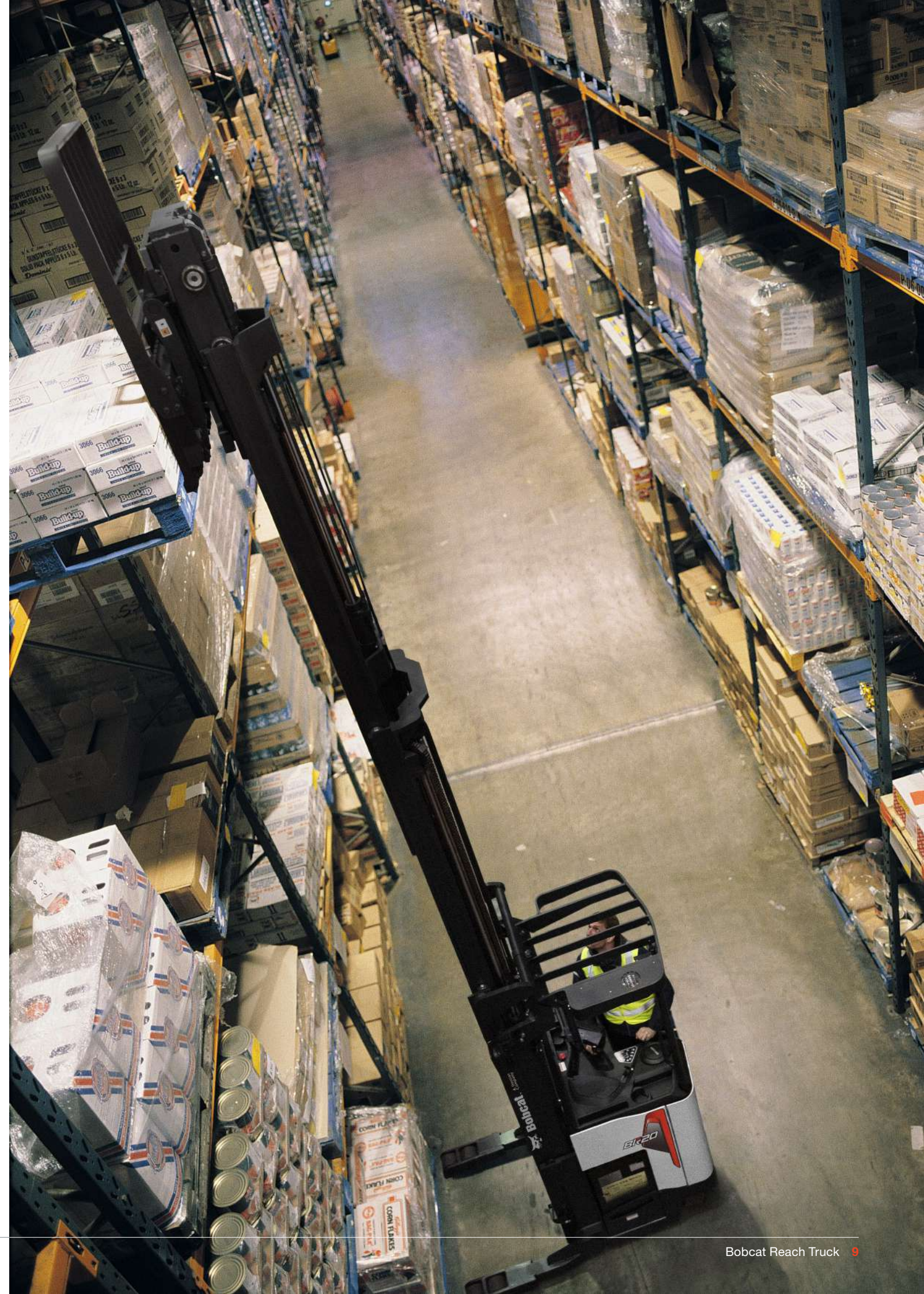
At start up, steering wheel is aligned to the forward direction to prevent potential accident.

▶ FRONT SCREEN (OPTION)

- Wire mesh
- Glass : Hard coated polycarbonate

▶ SMART SAFETY LIGHT

- Warning is given to pedestrians by reflecting the blue light. It lights only when driving on the corresponding direction.
- Safety light can be equipped on both way (Rear-STD / Front-Option)



COMFORT & CONTROLS

► THE OPERATOR COMPARTMENT IS FILLED WITH A VARIETY OF ERGONOMIC DESIGNS.

The operator can work efficiently with less fatigue.

Accessory Bar

Accessory bar for additional device mounting.

Convenience Devices

- Operator Cooling Fan (Option)
- Operator Light (Option)
- 5V USB Power / 12V Power Jack
- Cup Holder

Ergonomic Multifunctional Control Handle

Various functions are integrated in a lever.
Operator can perform various functions simultaneously.

Adjustable Armrest

The adjustable armrest accommodates operators of various sizes.



Padded Operator Compartment

Various cushion pads reduce fatigue by absorbing vibration and impact.

- Knee Pad
- Back Rest
- Thigh Pad
- Cushion floor mat

Low Step Height

With the low step height, riding is easier.



DURABILITY GUARANTEED

► **NEW 7 SERIES REACH TRUCK EQUIPPED WITH FULLY PROVEN PARTS DELIVERS ENOUGH DURABILITY EVEN IN HARSH ENVIRONMENT.**



► **RELIABLE AC CONTROLLER**
IP 65 rated controller is very reliable and well proven in tough applications.



► **LONGER SERVICE INTERVAL**
- Hyd. Oil Filter : 2,000hrs
- Hyd. Oil : 2,500hrs



► **IP43 RATED ENCLOSED MOTOR**
Powerful motors that have been proven in the market for years ensure durability. All drive/pump/steering motors are IP43 rated.



► **ZF TRANSFER**
Patented hypoid bevel gear set reduces heat and wear-out. No need for additional oil change after first 50 hours of oil change.



► **DURABLE TIRE**
Highly durable Stellana poly urethane tire meets the premium performance required in heavy duty application.



► **WATER-PROOF ELECTRIC CONNECTION**
Electrical connections are sealed with silicon to prevent water from penetrating and causing short circuits.



► **BATTERY CABLE GUARD**
It prevents cable from protruding and damage.



► **BOLT ON LOAD WHEEL BOXES**
Load wheel can be replaced easily if damaged.



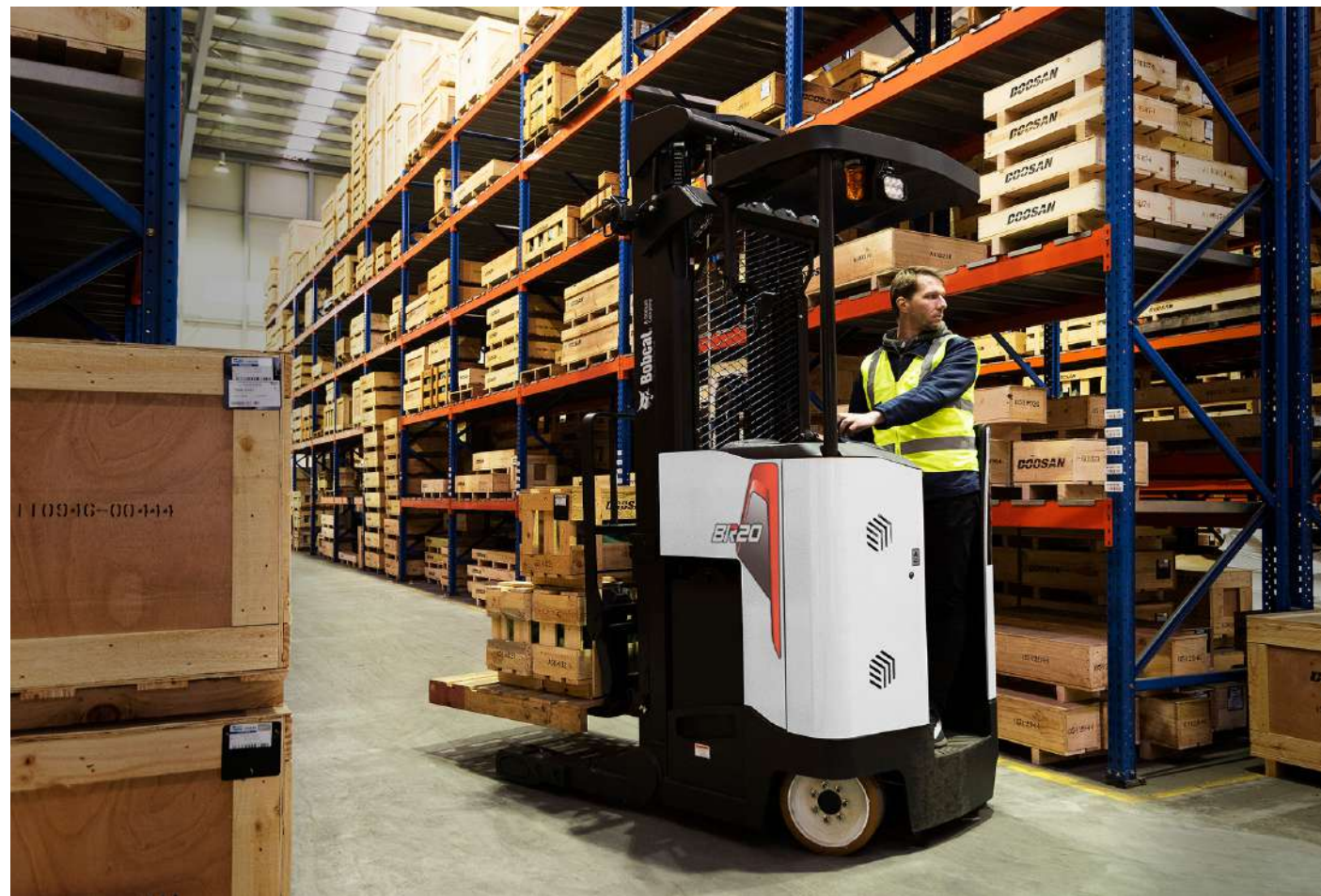
► **TOE GUARD (OPTION)**
Toe Guard



BUILT TO LAST

▶ EXCELLENT RELIABILITY

Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.



**THERE'S NO TIME
FOR DOWNTIME.
STAND UP TO EVERY TASK
THAT COMES YOUR WAY.
DAY AFTER DAY.**



Swing Out Rear Door

Rear door allows easy access to the main components. It enables easier and quicker maintenance.

Junction Box

- Fuse Box
- Relay
- Back up buzzer

▶ CAN PORT

Easy to access by placing in the front cover.



▶ BRIGHT AND INTUITIVE DISPLAY

- Clear Visibility even outdoors.
- It also can control the truck's performance settings.



▶ WORLDWIDE SERVICE NETWORK

Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.

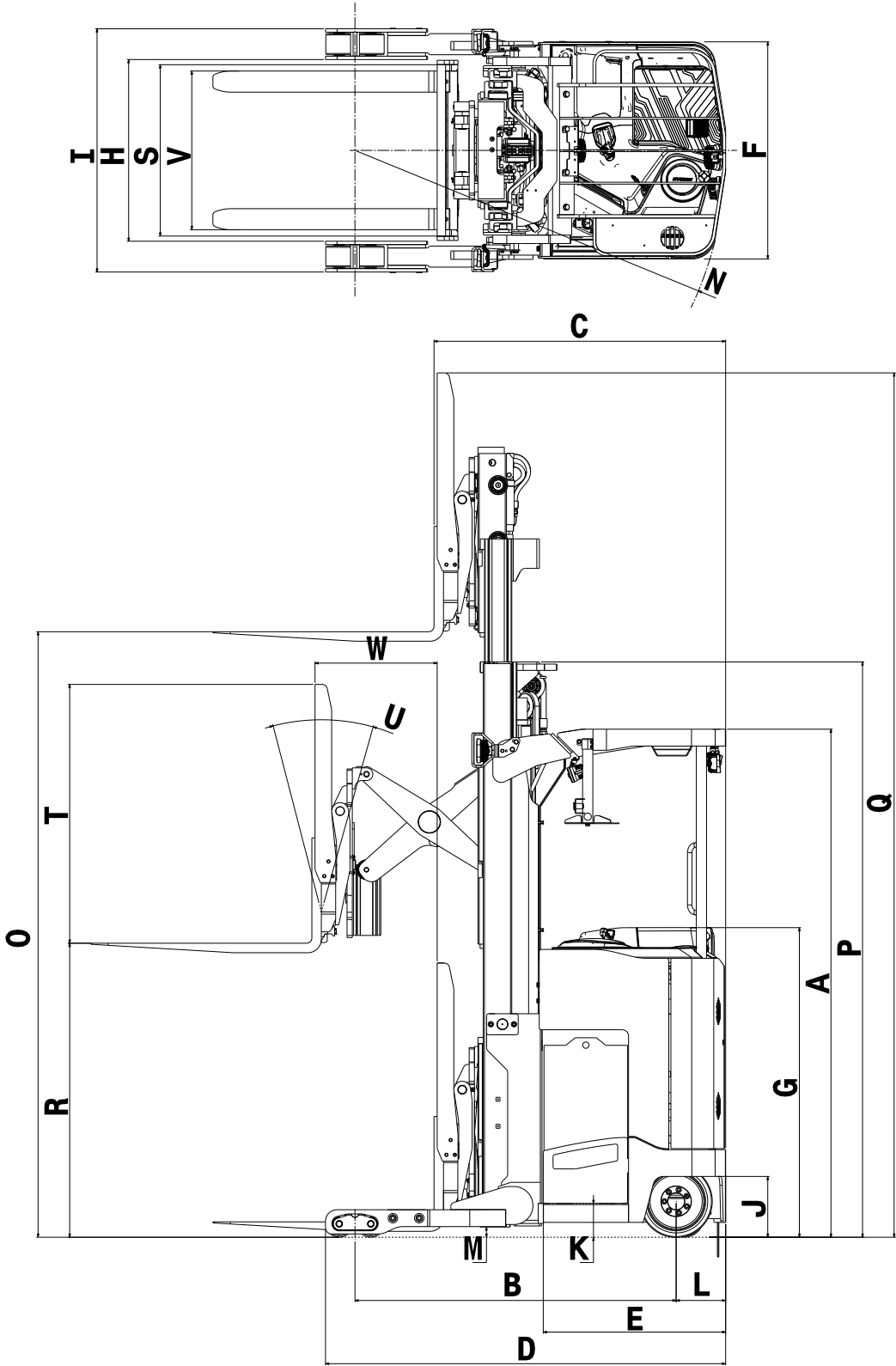


SPECIFICATIONS

TECHNICAL DATA							
GENERAL	Manufacturer			Bobcat			
	Model			BR18SP-7 PLUS		BR20SP-7 PLUS	
	Capa.			lb(kg)	3500 (1600)	4000 (1800)	
	Battery Compartmnet			in	14.4	20.9	
	Load Center			in(mm)	24 (600)		
	System Voltage			V	36		
	Operator Type			Rider Reach			
	Tire Type-Load/Caster/Drive			Poly / Poly / Poly			
	Wheel, load/Caster (Drive x)			4 / 2 (1x)			
WEIGHT	Total Weight (34" Leg, FFT 240" ,/w LBR,Fork)			7255 (3291)	7592 (3444)	8283 (3757)	
	Weight /wo batt at 240" MFH Mast (34" Leg)			lb(kg)	5655 (2565)	5783 (2623)	
	With load,Front (With Min Batt at 240" Mast Reach in)			lb(kg)	6336 (2874)	7542 (3421)	
	With load,Rear (With Min Batt at 240" Mast Reach in)			lb(kg)	4447 (2017)	4268 (1936)	
	W/O load,Front (With Min Batt at 240" Mast Reach in)			lb(kg)	2610 (1184)	3151 (1429)	
	W/O load,Rear (With Min Batt at 240" Mast Reach in)			lb(kg)	4645 (2107)	5132 (2328)	
	14.4" Battery Min			lb(kg)	1600 (730)		
	16.4" Battery Min			lb(kg)	1900 (860)		
	18.4" Battery Min			lb(kg)	-		
CHASSIS	20.9" Battery Min			lb(kg)	2500 (1130)		
	Guard Height (From Ground)			A in(mm)	95 (2410) (*91" at 198" mast)		
	Wheel base			B in(mm)	58 (1525)	64.5 (1640)	
	Head Length (Length to Fork face + Side Shift)			C in(mm)	52.5 (1335)	59 (1500)	
	Truck Length			D in(mm)	72.8 (1850)	79.3 (2015)	
	Power Unit Length			E in(mm)	32.7(830)	39.2 (995)	
	Power Unit Width			F in(mm)	40.5 (1030)		
	Power Unit Height			G in(mm)	57.8 (1468)		
	Base Leg Opening (inside)			H in	34, 36, 38, 40, 42, 44		
	Base Leg Width (Outside)			I in	Inside plus 11.4"		
	Base Leg Width			in(mm)	5.7 (146)		
	Step Height			J in(mm)	11.4 (290)		
	Battery Rolloer Height			K in(mm)	6.7 (170)		
	Drive CL to End of CTWT			L in(mm)	9.25 (235)		
	Underclearance (Center of Wheelbase)			M in(mm)	2 (50)		
	Outside turning radius			N in(mm)	67.4 (1713)	73.9 (1878)	
	Right Angle Stack Aisle (48x40 in pallet)			in(mm)	See the 'Right Angle Stack Aisle' sheet		
	Operator compatrment				-		
	FRONT END	Height			in(mm)	81.3 (2065)	
		Length			in(mm)	17.7 (450)	
Width			in(mm)	17.9 (454)			
Track (Tread) / Rear			in(mm)	28.5 (725)			
Maximum Fork Height			O in(mm)	See the mast chart			
Mast Lowered Height			P in(mm)	See the mast chart			
Mast Extended Height (With STD. LBR)			Q in(mm)	See the mast chart			
Free Lift (With STD. LBR)			R in(mm)	See the mast chart			
Carriage Width			S in(mm)	See the mast chart			
LBR Height			T in(mm)	See the mast chart			
BATTERY COMPART- MENT	Tilt angle F/B			U deg	3 / 4		
	Fork Size (T x W x L)			in	See the mast chart		
	Fork Adjustment (Min / Max)			V in(mm)	9 (240) / 29.5 (750)		
	Reach Stroke			W in(mm)	22.8 (580)		
REF. BATTERY SIZE	Battery Size A (14.4)			in(mm)	14.4 (366) x 38.75 (985) x 32 (810)		
	Battery Size B (16.4)			in(mm)	16.4 (416) x 38.75 (985) x 32 (810)		
	Battery Size C (18.4)			in(mm)	-		
	Battery Size D (20.9)			in(mm)	20.9 (531) x 38.75 (985) x 32 (810)		
TIRE SIZE	Battery Size A (14.4)			in(mm)	13.37 (340) x 38.33 (974) x 30.56 (776)		
	Battery Size B (16.4)			in(mm)	15.62 (397) x 38.33 (974) x 30.56 (776)		
	Battery Size C (18.4)			in(mm)	-		
PERFORMANCE	Battery Size D (20.9)			in(mm)	20.21 (513) x 38.33 (974) x 30.56 (776)		
	Tire Size - Drive (dia. x width)			in(mm)	13.5 x 5.5 (344 x 140)		
	Tire Size - Caster (dia. x width)			in(mm)	7 x 2.44 (175 x 62)		
	Tire Size - Load Wheels (dia. x width)			in(mm)	5 x 4 (125 x 100)		
	Travel Speed Tractor First (Empty/Rated Load)			mph (km)	7.5 (12)		
	Travel Speed forks First (Empty/Rated Load)			mph (km)	7.5 (12)		
	Lift Speed Loaded			fpm (mm/s)	69 (350)	65 (330)	
	Lift Speed Empty			fpm (mm/s)	120 (600)		
	Lower Speed Loaded			fpm (mm/s)	110 (550)		

Note : Specification values quoted in this spec sheet have been rounded, exclude Load Backrest and other attachments. Performance may vary due to operating conditions. Products and specifications are subject to change without prior notice.

DIMENSIONAL DRAWING



MAST SPECIFICATIONS AND RATED CAPACITIES

BR18SP-7 PLUS									
Mst Type	Max. Fork Height	Overall Height			Free Lift	Fork	Carriage	Tilt Range	
		Lowered	STD. LBR	Extend	/W STD. LBR	T x W x L (STD)	Width (STD)	FWD	BWD
		in(mm)	in(mm)	in(mm)				deg.	deg.
FFT	198 (5030)	91.0 (2310)	48 (1220)	246.9 (6270)	42.1 (1070)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	210 (5330)	95.0 (2410)	48 (1220)	258.7 (6570)	46.1 (1170)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	240 (6100)	107.5 (2725)	48 (1220)	288.8 (7335)	58.4 (1485)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	253 (6430)	111.5 (2835)	48 (1220)	301.8 (7665)	62.8 (1595)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	258 (6550)	113.0 (2875)	48 (1220)	306.5 (7785)	64.3 (1635)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	270 (6890)	117.5 (2990)	48 (1220)	319.9 (8125)	68.9 (1750)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	289 (7340)	126.5 (3215)	48 (1220)	337.8 (8580)	77.7 (1975)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4

BR20SP-7 PLUS									
Mst Type	Max. Fork Height	Overall Height			Free Lift	Fork	Carriage	Tilt Range	
		Lowered	STD. LBR	Extend	/W STD. LBR	T x W x L (STD)	Width (STD)	FWD	BWD
		in(mm)	in(mm)	in(mm)				deg.	deg.
FFT	198 (5030)	91.0 (2310)	48 (1220)	246.9 (6270)	42.1 (1070)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	210 (5330)	95.0 (2410)	48 (1220)	258.7 (6570)	46.1 (1170)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	240 (6100)	107.5 (2725)	48 (1220)	288.8 (7335)	58.4 (1485)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	253 (6430)	111.5 (2835)	48 (1220)	301.8 (7665)	62.8 (1595)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	258 (6550)	113.0 (2875)	48 (1220)	306.5 (7785)	64.3 (1635)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	270 (6890)	117.5 (2990)	48 (1220)	319.9 (8125)	68.9 (1750)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	289 (7340)	126.5 (3215)	48 (1220)	337.8 (8580)	77.7 (1975)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	300 (7610)	130.0 (3305)	48 (1220)	348.5 (8850)	81.3 (2065)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4
	318 (8075)	139.5 (3540)	48 (1220)	367.0 (9320)	90.5 (2300)	1.75 x 4 x 42 (45 x 100 x 1050)	32 (813)	3	4

Note : These load capacities are based on the standard chassis without side shifter.
Products and specifications are subject to improvement and change without prior notices.

RIGHT ANGLE STACK AISLE

TRUCK WITH 16.4" BATTERY & 42" ID & 4" SPACE					
Pallet length	Pallet width				
	in (mm)	36 (914)	40 (1016)	44 (1118)	48 (1219)
	36 (914)	86.5 (2198)	86.1 (2187)	85.6 (2174)	85.1 (2162)
	40 (1016)	91.3 (2319)	90.9 (2310)	90.6 (2301)	90.2 (2291)
	44 (1118)	95.8 (2434)	95.5 (2426)	95.2 (2419)	94.9 (2411)
	48 (1219)	100.2 (2545)	99.9 (2538)	99.7 (2532)	99.4 (2525)

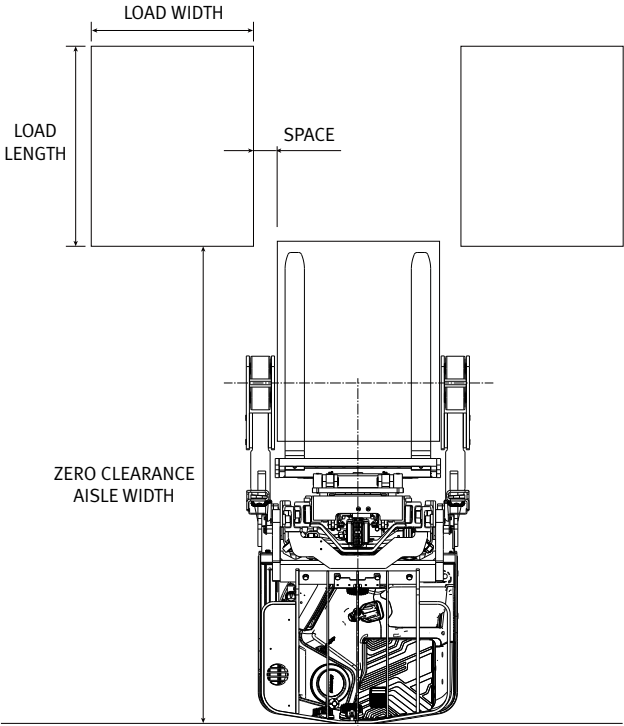
Note : - Aisle width values shown are based on a 16.4 in. battery compartment and a 42 in. base leg opening (inside)
- Subtract 2 in. (50mm) for 14.4 in. battery compartment.
- Add 4.5 in. (115mm) for 20.9 in. battery compartment
- Add a minimum of 6 in. (150mm) to 12 in. (305mm) for easy maneuvering

STANDARD FEATURES AND OPTIONAL EXTRAS

STANDARD FEATURES AND OPTIONAL EXTRAS	
PRODUCTIVITY	
Optimized lift / reach control	✓
LED light - Front/Rear	✓
Fast lift/lower/travel speed	✓
Multifunctional joystick	✓
E/H/S mode	✓
Dual articulating caster wheel	•
Pre height selector / Height indicator	•
Fork camera with wide visibility	•
Weight scale	•
DURABILITY	
Self thermal protection (Curtis AC controller)	✓
Stellana load wheel (Load Lmax / Drive Vmax / Caster Powerthane)	✓
Durable transfer(ZF)	✓
IP43 rated enclosed motor(drive/pump/steering)	✓
Sealed electronic connection	✓
Battery cable guard	✓
Longer service interval (Hyd oil, filter, T/F oil)	✓
Toe guard option	•
SAFETY	
GSS(Guardian stability system)	✓
Adaptive rear safety light	✓
Auto centering	✓
Auto parking brake	✓
Turtle mode	✓
Front safety light	•

* Remark : This list is based on factory data. Standard or optional can vary for specific countries.
• = option
✓ = standard

STANDARD FEATURES AND OPTIONAL EXTRAS	
OPERATOR COMFORT	
Ergonomic control lever	✓
Adjustable armrest	✓
Soft grip knob	✓
Bright and Intuitive Display	✓
Back rest, knee pad, thigh pad	✓
Low step height	✓
Cushion floor mat	✓
Cup holder	✓
5V/12V power	✓
Accessory bar	✓
Operator fan, light	•
Front screen - wire mesh / glass(PC)	•
SERVICEABILITY	
Swing out door	✓
Easily removable dashboard cover	✓
Self and easy diagnostics	✓
Easily accessible CAN port	✓
Junction box	✓
Battery compartment roller	✓
Battery side cover	✓



YOUR TRUSTED BUSINESS PARTNER

Your machine builds your business and reputation. Everything we put into Bobcat equipment is designed to make this possible. Strength, versatility, or agility, it's built around you.

145 MACHINES / 46 PRODUCT FAMILIES / 1 TOUGH ANIMAL



**SKID-STEER
LOADERS**



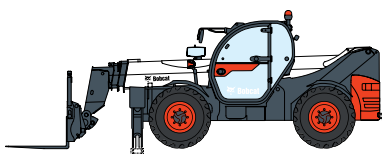
**COMPACT TRACK
LOADERS**



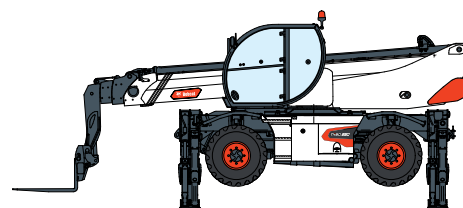
**COMPACT WHEEL
LOADERS**



FORKLIFTS



TELEHANDLERS



ROTARY TELEHANDLERS



**LIGHT COMPACTION
EQUIPMENT**



**COMPACT
EXCAVATORS**



**COMPACT
TRACTORS**



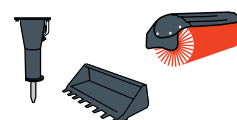
**SMALL ARTICULATED
LOADERS**



**MINI TRACK
LOADER**



MOWERS



ATTACHMENTS

DOOSAN

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