

www.powerplus.us



International Division

POWERPLUS GROUP PTE. LTD.
Powerplus Building
39 Ubi Crescent, Singapore 408587
Tel: (65) 63399333
Fax: (65) 63399933
Email: enquiry@powerplus.us

Research & Development Facility

POWERPLUS GROUP INC., U.S.A.
2130 N. Arrowhead Avenue,
San Bernardino, CA 92405, USA
Tel: (1) 909 300 3333
Fax: (1) 909 323 3333
Email: hq@powerplus.us

Distributed By:



**BACKHOE
LOADER**

PBL480T-II • PBL488T-II

POWERPLUS is the registered TM of POWERPLUS GROUP INC., USA
In the United States of America & Worldwide

All rights of manufacturer and of this book reserved. Unauthorized duplication is a violation of application law.



PERKS FOR END-USERS

CARRARO* transmission and axles with excellent performance and reliability.

Advanced manufacturing process and thorough quality control before any machine leaves factory premises ensuring longer backhoe loader's life expectancy.

Wide range of additional attachments and customized approaches make POWERPLUS Backhoe Loaders suitable for any operational needs.

Routine check-up, daily preparation for operations and even scheduled maintenance service become an easy task with increased access to the backhoe loader parts and components.

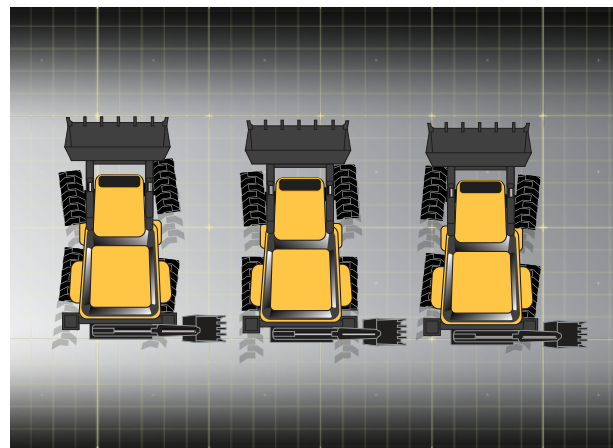
Increased maneuverability for the hassle-free drive around the site.

MINIMIZED ENVIRONMENTAL IMPACT

Backhoe loaders are manufactured according to international safety and environmental standards.

Fuel efficiency and good control systems for low emission levels.

Up to 90% of recyclable parts and quality parts for a longer lifespan.



OPERATOR'S COMFORT AND INCREASED PRODUCTIVITY

Noise and shock reduction cabin for better comfort and reduced operator's fatigue.

Wide operational view with improved visibility to perform even high detailed operations.

ROPS/FOPS cabin with personalized amenities including POWERPLUS adjustable suspension seat, MP3 player, and air-conditioning.

Cabin designed with wide leg-room space and in-cab storage – in order to increase operator's comfort. Consequently, higher operator's comfort results in better productivity and efficiency of work in general.



BOOM TYPE



Different Backhoe Boom options are available.

OUTRIGGER TYPE



Stabilizer Arms are available in different types to suit different needs.

FRONT



BACK

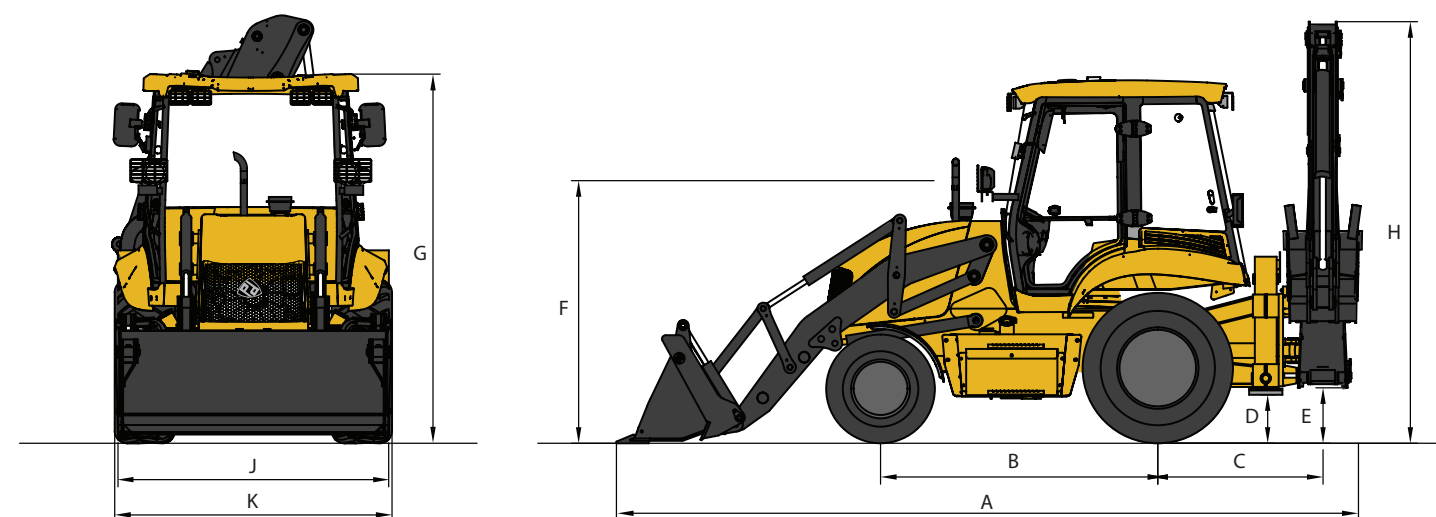


*Availability of equipment may varies across different regions. Kindly consult your POWERPLUS territory sales personnel for details.



MAIN SPECIFICATIONS		PBL480T-II		
Operating Weight	kg	8200		
Wheelbase	mm	2280		
Minimum Ground Clearance	mm	400		
ROPS Cabin		●		
PERFORMANCE				
LOADER				
Bucket Capacity	m³	1.0		
Breakout Force	kN	38		
Loading Capacity	kg	2500		
Bucket Dumping Height	mm	2807		
Bucket Dumping Distance	mm	801		
BACKHOE				
Bucket Capacity	m³	0.3		
Maximum Digging Depth	mm	3967 / 3424		
Maximum Drawing Force	kN	45		
TRAVEL				
No. of Gears		4 Forward & 4 Reverse		
Maximum Traveling Speed	km/h	38		
ENGINE				
Model		WEICHA WP4G95E221	CUMMINS 4BTA3.9-C100	CUMMINS 4BTA3.9-C110
Rated Power	hp	95	100	110
Rated Speed	rpm	2200	2200	2200
Emission		EURO II	EURO II	EURO II
TRANSMISSION SYSTEM				
Model		CARRARO TLB1-4WD / TCB80SPS4WD		
Transmission Type		Mechanical / Electronic Transmission		
STEERING				
System Type		Front wheel steering		
System Pressure	Mpa	14		
Steering Angle	° +/-	36		
AXLE				
Model		CARRARO		
Front Axle Load	T	22.5		
Rear Axle Load	T	18.75		
Axle Drive		4X4		
TIRE				
Front		14-17.5NHS-16 PR		
Rear		19.5L-24-14PR		
BRAKE SYSTEM				
Service Brake		Wet Type Brake		
Parking Brake		Manual		

DIMENSIONS

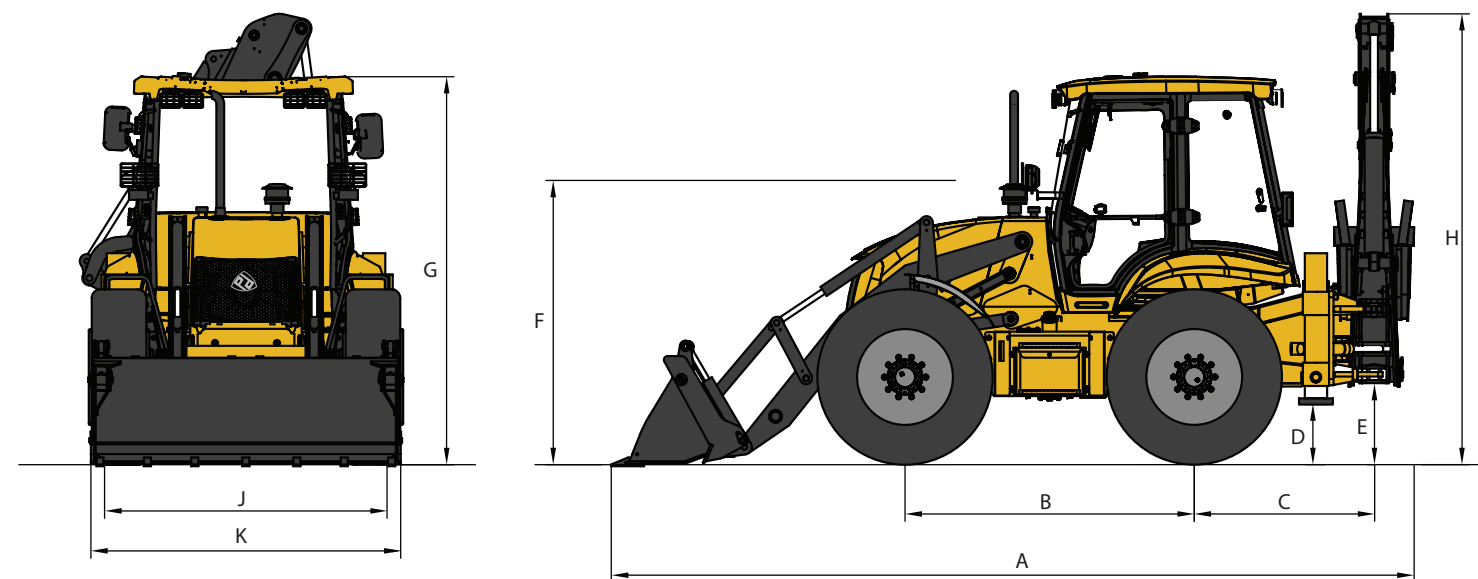


DIMENSION			PBL480T-II			
			Standard Arm		Telescopic Arm	
			Type 1	Type 2	Type 1	Type 2
Overall Length	A	mm	6100	6130	6100	6130
Wheelbase	B	mm	2280	2280	2280	2280
Distance from Arm Pivot to Rear Axle	C	mm	1327	1357	1327	1357
Ground Clearance on Bracket	D	mm	400	400	400	400
Ground Clearance on Arm Carrier	E	mm	486	456	486	456
Steering Wheel Center Height	F	mm	2066	2066	2066	2066
Cab Top Height	G	mm	3000	3000	3000	3000
Overall Height	H	mm	3813	3465	3813	3465
Frame Width	J	mm	2280	2280	2280	2280
Bucket Width	K	mm	2268	2268	2268	2268



MAIN SPECIFICATIONS		PBL488T-II		
Operating Weight	kg	10500		
Wheelbase	mm	2293		
Minimum Ground Clearance	mm	475		
ROPS Cabin		●		
PERFORMANCE				
LOADER				
Bucket Capacity	m³	1.2		
Breakout Force	kN	38		
Loading Capacity	kg	2500		
Bucket Dumping Height	mm	3153		
Bucket Dumping Distance	mm	989		
BACKHOE				
Bucket Capacity	m³	0.3		
Maximum Digging Depth	mm	3766 / 3233		
Maximum Drawing Force	kN	45		
TRAVEL				
No. of Gears		4 Forward & 4 Reverse		
Maximum Traveling Speed	km/h	38		
ENGINE				
Model		WEICHA WP4G95E221	CUMMINS 4BTA3.9-C100	CUMMINS 4BTA3.9-C110
Rated Power	hp	95	100	110
Rated Speed	rpm	2200	2200	2200
Emission		Euro II	Euro II	Euro II
TRANSMISSION SYSTEM				
Model		FUJI FZL30W	CARRARO TCB80SPS 4WD 4WS	
Transmission Type		Electronic Transmission		
STEERING				
System Type		4 Wheel Steering and Crab Steer		
System Pressure	Mpa	14		
Steering Angle	° +/-	35		
AXLE				
Model		CARRARO		
Front Axle Load	T	25		
Rear Axle Load	T	18.75		
Axle Drive		4X4		
TIRE				
Front		16.9-28		
Rear		16.9-28		
BRAKE SYSTEM				
Service Brake		Wet Type Brake		
Parking Brake		Manual		

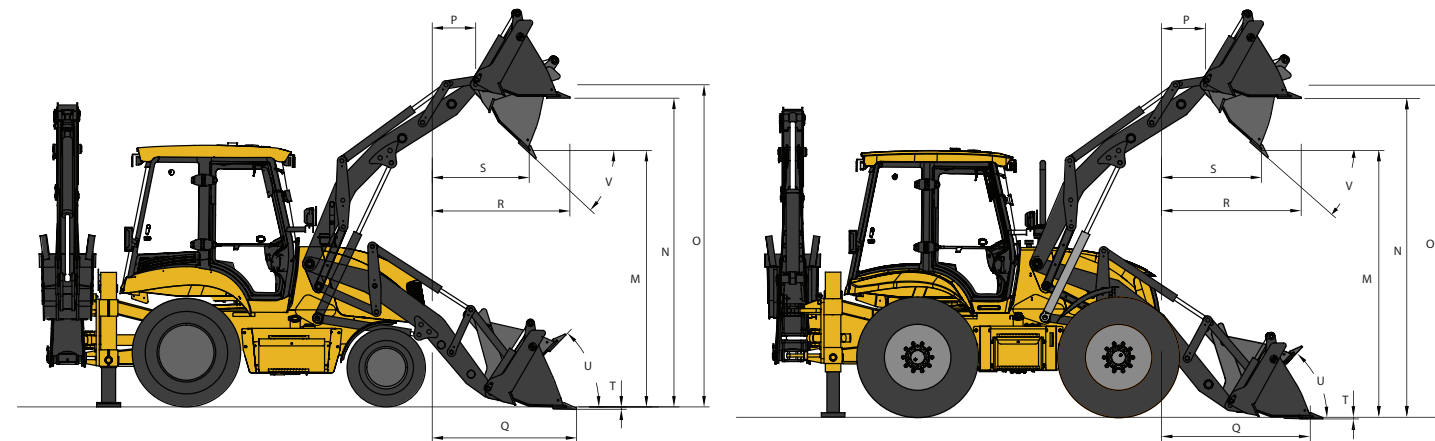
DIMENSIONS



DIMENSION			PBL488T-II			
			Standard Arm		Telescopic Arm	
			Type 1	Type 2	Type 1	Type 2
Overall Length	A	mm	6450	6480	6450	6450
Wheelbase	B	mm	2293	2293	2293	2293
Distance from Arm Pivot to Rear Axle	C	mm	1381	1411	1381	1411
Ground Clearance on Bracket	D	mm	475	475	475	475
Ground Clearance on Arm Carrier	E	mm	648	618	648	618
Steering Wheel Center Height	F	mm	2258	2258	2258	2258
Cab Top Height	G	mm	3149	3149	3149	3149
Overall Height	H	mm	4010	3627	4010	3627
Frame Width	J	mm	2280	2280	2280	2280
Bucket Width	K	mm	2468	2468	2468	2468



DIMENSIONS

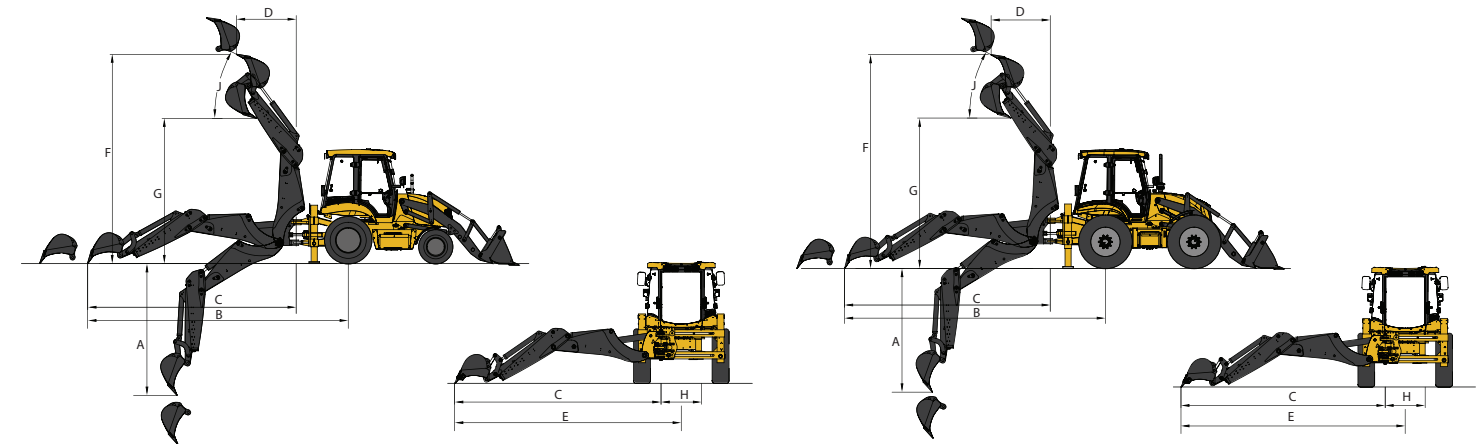


PARAMETERS SPECIFICATION

PARAMETERS SPECIFICATION			PBL480T-II	
LOADER			Common Bucket	6-in-1 Bucket
Uploading Height	M	mm	2807	2807
Load Over Height	N	mm	3360	3360
Loading Hinge Pin Height	O	mm	3498	3498
Pin Extends Forward	P	mm	263	263
Reach To Ground (Main Blade Level)	Q	mm	1473	1473
Max. Reach at Full Height	R	mm	1126	1126
Unloading Distance	S	mm	801	801
Digging Depth	T	mm	56	56
Take-Up Angle	U	°	46	46
Unloading Angle	V	°	43	43
Jaw Opening Width		mm	-	1000
Rated Capacity		m³	1.0	0.85

PARAMETERS SPECIFICATION

PARAMETERS SPECIFICATION			PBL488T-II	
LOADER			Common Bucket	6-in-1 Bucket
Uploading Height	M	mm	3153	3153
Load Over Height	N	mm	3732	3732
Loading Hinge Pin Height	O	mm	3868	3868
Pin Extends Forward	P	mm	418	418
Reach To Ground (Main Blade Level)	Q	mm	1671	1671
Max. Reach at Full Height	R	mm	1327	1327
Unloading Distance	S	mm	989	989
Digging Depth	T	mm	30	30
Take-Up Angle	U	°	45	45
Unloading Angle	V	°	43	43
Jaw Opening Width		mm	-	1000
Rated Capacity		m³	1.2	1.0



DIMENSION

BACKHOE

BACKHOE				Standard Arm		Telescopic Arm	
				A	B	A	B
Max. Digging Depth	Extend	A	mm	-	-	5246	4381
	Withdraw		mm	3967	3424	4303	3431
Reach Flush With The Ground To The Center Of The Rear Wheel	Extend	B	mm	-	-	7854	7663
	Withdraw		mm	6630	6784	6981	6791
Reach Ground To Slewing Center	Extend	C	mm	-	-	6528	6307
	Withdraw		mm	5304	5428	5655	5435
Extension At Full Height To Rotary Center Distance	Extend	D	mm	-	-	2303	2158
	Withdraw		mm	1902	1554	1692	1558
Side Extension To The Centerline Of The Machine	Extend	E	mm	-	-	7055	6834
	Withdraw		mm	5831	5955	6182	5962
Working Height	Extend	F	mm	-	-	6517	6191
	Withdraw		mm	5346	5449	5790	5454
Max. Loading Height	Extend	G	mm	-	-	4720	4525
	Withdraw		mm	3813	3780	4084	3785
Total Travel Of Main Column		H	mm	1054	1054	1054	1054

DIMENSION

BACKHOE

BACKHOE				Standard Arm		Telescopic Arm	
				A	B	A	B
Max. Digging Depth	Extend	A	mm	-	-	5045	4180
	Withdraw		mm	3766	3223	4102	3230
Reach Flush With The Ground To The Center Of The Rear Wheel	Extend	B	mm	-	-	7931	7707
	Withdraw		mm	6682	6825	7056	6832
Reach Ground To Slewing Center	Extend	C	mm	-	-	6509	6295
	Withdraw		mm	5260	5413	5634	5420
Extension At Full Height To Rotary Center Distance	Extend	D	mm	-	-	2303	2158
	Withdraw		mm	1902	1554	1692	1558
Side Extension To The Centerline Of The Machine	Extend	E	mm	-	-	7036	6822
	Withdraw		mm	5787	5940	6161	5947
Working Height	Extend	F	mm	-	-	6718	6392
	Withdraw		mm	5547	5650	5991	5655
Max. Loading Height	Extend	G	mm	-	-	4923	4726
	Withdraw		mm	4014	3981	4285	3986
Total Travel Of Main Column		H	mm	1054	1054	1054	1054