POWERPLUS®
POWERPLUS GROUP INC., USA

OVER 45 YEARS OF TRUST

FORKLIFTS

DIESEL • ELECTRIC • 3 WHEEL ELECTRIC • REACH TRUCK

CORPORATE OVERVIEW

POWERPLUS GROUP INC., USA, a leading global manufacturer of a comprehensive range of construction equipment, is part of Worldwide Techno-Equipment Group (1973) Pte Ltd. Established since 1973, POWERPLUS GROUP has evolved into a world-renowned organization that offers machinery unparalleled in price, quality and performance.

POWERPLUS machinery is manufactured with enhanced capacities to exceed even the most stringent international standards of quality and safety. With the aim of producing machinery that is able to withstand even the most extreme climatic conditions and rugged terrains, POWERPLUS Research & Development team which has its Headquarters in the United States, has been the backbone behind all its innovative engineering solutions.

Optimizing the best of technology from the United States, Europe and Japan, POWERPLUS machinery is configured to its optimal technical capabilities. A multinational team of engineers analyzes the data collected from our network of distributors worldwide and are on the constant lookout for ways to maximize the life-span of POWERPLUS machinery.

Today the Company's clientele spans over 100 countries across 6 continents.

At the forefront of setting quality standards, every POWERPLUS machine undergoes a technical review after 2 years and is tested rigorously before a new model is churned out of its production facility.

With an emphasis on delivering value and excellent after-sales service to our customers, the POWERPLUS experience outshines and outclasses its competitors in all aspects.

VALUE-ADDED MACHINES ENGINEERED TO MAXIMIZE DURABILITY

Introducing the latest range of POWERPLUS forklifts, the exclusive V-Series sets a new standard for versatility, productivity and durability. Armed with input from the people who run them, POWERPLUS Research and Development team in California, USA set out on a mission to design the ultimate forklift that combines both form and functionality; and housed it into one power-packed machine.

Our engineers have invested time in selecting the best of components and parts; while performing numerous tests to ensure that the new and improved series of forklifts achieve optimal performance levels and maximum efficiency.

THE OBJECTIVES OF THE ALL-NEW V-SERIES FORKLIFT

POWERPLUS team of engineers set out to design the V-series forklift which now encompasses these new and improved characteristics:

- An aesthetic facelift of the V-Series gives it a more streamlined design
- A substantial increase in the level of operator comfort, translates to a higher level of productivity
- Enhances the safety aspects while working in tight and congested environments
- Improves stability when lifting heavy loads
- Ensures ease of maintenance when performing servicing and maintenance during the lifespan of the forklift
- Increases reliability of the forklifts regardless of working conditions in order to minimize downtime and maximize profits.
- An environmentally friendly forklift

PLUS POINTS FOR END-USERS

- Various engine options to better suit customers' budgets and preferences
- Improved fuel efficiency for lower running and maintenance costs
- Reduced costs of attachments aimed at increasing productivity
- Excellent after-sales service
- Large inventory of spare parts

POWERPLUS® FORKLIFTS

POWERPLUS range of forklifts as come to epitomize the very highest levels of performance and productivity. With competitive running costs, powerful engine with environmental protection, our forklifts are designed for ultimate manoeuvrability and lifting capacity that could effortlessly perform the job at ease. Ergonomically cabin design and safety features enable driver to operator this mighty vehicle with precise control and seamlessly glide through every tight corners with maximum efficiency.

ELECTRIC FORKLIFTS

- Integrated transmission and axle
- Zero emission
- Quiet operation
- High strength safeguard/cabin

DIESEL FORKLIFTS

- Featuring a Japanese Isuzu, Mitsubishi, Yanmar and Deutz engines
- Wide foot room & suspension foot brake
- Dual suspension system
- Reinforced mast design

3-WHEEL FORKLIFTS

- Lower center of gravity
- Improved lifting speed
- Compact design to maneuver in tight and confined places

15-TON FORKLIFTS

- Advanced engineering
- Improved fuel economy
- Redesigned counterweight for superb stability
- Highly efficient powertrain system with imported components

REACH TRUCKS

- Small diameter steering wheel
- Ergonomic operator controls
- Outstanding mast visibility

DESIGN

An all new integrated dashboard makes for luxurious comfort for the operator who spends hours behind the wheel. It also allows for an i ncreased 30% storage space resulting in higher productivity. With the improved streamline design from its predecessor, the ergonomically designed V-Series of Forklifts is in a class of its own.

COMFORT

The remarkable V-series of Forklifts is unbeatable when it comes to comfort. The incorporation of a 3.5" LED display monitors all critical systems during operation. A larger legroom provides exceptional confort and a small steering wheel makes it easier for the operator to engage tight corners. The newly-fitted steering column adjustor can be configured up to 10° to suit different operating habits. This new and improved model also boasts of a dual suspension system which significantly reduces noise and vibrations from the engine and transmission. Enhancements like the newly-designed handbrake and suspension foot brake is incorporated into this exclusive range. Our attention to detail is something no other competing brand can come close to.

SAFETY

Safety in the workplace is of utmost importance to POWERPLUS. The wide view mast which improves visibility from 680mm to 750mm ensures safety for both the operator and the people working around the forklift. Both the canopy and cabin configurations are reinforced by incorporating profiled steel and acrylic glass on the ceiling with the aim to protect the operator from any falling objects or from rolling over.

STABILITY

This new model comes with a stiffer suspension which enhances the stability of the machine, enabling the operator with the confidence to push the forklift to its limits. We have lowered the centre of gravity by 50mm, resulting in a substantial improvement in stability. At the same time, the new revision offers better visibility at the rear view.

EASE OF MAINTENANCE

In a bid to provide better parts and service support, we have standardized most components across our smaller capacity forklifts. For instance, the cabin can be installed on the standard canopy configuration without any modifications. Furthermore, most of the operation components such as the engine cover, instrument panel, safeguard and display, just to name a few are interchangeable across the 1.0 to 4.0 ton range.

ENVIRONMENT

POWERPLUS has incorporated Euro III engines to keep up with the ever-changing requirements of going clean and green. Fast, stable and exceptionally powerful, the vast majority of components fitted on are now bio-degradable. A custom designed exhaust system and muffler achieves a reduced noise level of more than 5 decibels. An all-new dynamic load-sensing steering improves work efficiency while conserving energy, reducing the fuel consumption by almost 10%.

DIMENSION AND RANGES

MODEL		PFD150S-V	PFD180S-V	PFD200S-V	PFD250S-V	PFD300S-V	PFD350S-V	PFD400S-V
Load Capacity	kg	1500	1800	2000	2500	3000	3500	4000
Lifting Height	mm	3000	3000	3000	3000	3000	3000	3000
Free Lift Height	mm	135	135	160	160	165	165	170
Load Center	mm	500	500	500	500	500	500	500
Gradeability (laden)	%	20	20	20	20	20	20	18
Power Type		Diesel						
ENGINE								
Model		YANMAR 4TNE92 (Made in Japan)		MITSUBISHI S4S (Made in Japan)				
Rated Power	HP/rpm	45 / 2450		48 / 2250				
Optional Engine		N.A		DEUTZ CA498				YANMAR 4TNE98 (Made in Japan)
Rated Power	HP/rpm	N.A		51 / 2500				57 / 2300
Emission		Euro III		Euro II / Euro III				
DIMENSION								
Fork Size (LxWxT)	mm	920x100x35	920x100x35	1070x125x40	1070x122x40	1070x125x45	1070x130x50	1070x125x50
Overall Length (without fork)	mm	2255	2300	2625	2620	2704	2804	2915
Overall Width	mm	1070	1070	1150	1150	1210	1210	1410
Overall Height (mast lowered)	mm	2015	2015	2045	2010	2075	2150	2260
Overall Height (mast extended)	mm	3984	3984	4145	3990	4100	4100	4280
Overall Height (overhead guard)	mm	2110	2110	2180	2180	2205	2205	2180
Wheelbase	mm	1400	1400	1650	1600	1700	1700	1900
Front Overhang	mm	400	400	473	475	490	501	500
Rear Overhang	mm	465	510	508	544	543	623	535
Minimum Ground Clearance	mm	130	130	130	130	155	155	150
Minimum Turning Radius	mm	2040	2075	2315	2230	2450	2520	2600
Mast Inclination (F/R)	°	6/12	6/12	6/12	6/12	6/12	6/12	6/12
Total Weight	kg	2590	2800	3450	3590	4300	4680	5100
SPEED								
Lifting Speed (laden)	mm/s	550	550	510	610	520	410	360
Travelling Speed (laden)	km/h	14.5	14.5	19	17.5	18	18	20
TRANSMISSION								
Type		Hydraulic						
TIRES								
Tire Size (Front)		6.50-10-10PR		7.00-12-12PR		28x9-15-14PR		250-15-16PR
Tire Size (Rear)		5.00-8-8PR		6.00-9-10PR		6.50-10-10PR		6.50-10-10PR
BRAKE SYSTEM								
Service Brake		Dry Disc Brake						
Parking Brake		Mechanical						
OPTIONAL								
Duplex Mast		○	○	○	○	○	○	○
Triplex Mast		○	○	○	○	○	○	○
Full Free Lift		○	○	○	○	○	○	○
Side Shift		○	○	○	○	○	○	○
Cabin		○	○	○	○	○	○	○
Solid Tires		○	○	○	○	○	○	○

● – Standard ○ – Optional N.A – Not Applicable

ENGINE OPTIONS

MITSUBISHI DIESEL ENGINE YANMAR DEUTZ

DIMENSION AND RANGES

MODEL		PFD500S-V	PFD600S-V	PFD700S-V	PFD800S-V	PFD900S-V	PFD1000S-V
Load Capacity	kg	5000	6000	7000	8000	9000	10000
Lifting Height	mm	3000	3000	3000	3000	3000	3000
Free Lift Height	mm	150	205	205	0	0	0
Load Center	mm	500	600	600	600	600	600
Gradeability (laden)	%	18	20	20	27	26	20
Power Type		Diesel					
ENGINE							
Model		MITSUBISHI S6S (Made in Japan)	ISUZU A-6BG1QC (Made in Japan)		ISUZU 6BG1 (Made in Japan)		
Rated Power	HP/rpm	70 / 2450	112 / 2000		115 / 2200		
Optional Engine		N.A	MITSUBISHI S6S-T		N.A	N.A	N.A
Rated Power	HP/rpm	N.A	87 / 2300		N.A	N.A	N.A
Emission		Euro III	Euro I / Euro III		Euro I		
DIMENSION							
Fork Size (LxWxT)	mm	1070x150x55	1220x150x60	1220x150x65	1500x170x70	1500x170x80	1500x175x80
Overall Length (without fork)	mm	3310	3530	3580	4200	4200	4375
Overall Width	mm	1490	1995	1995	2100	2030	2100
Overall Height (mast lowered)	mm	2265	2500	2625	2860	2860	2860
Overall Height (mast extended)	mm	4230	4420	4370	4375	4375	3895
Overall Height (overhead guard)	mm	2265	2485	2435	2550	2550	2550
Wheelbase	mm	2100	2250	2250	2550	2550	2800
Front Overhang	mm	590	585	590	770	780	780
Rear Overhang	mm	625	670	740	900	1000	900
Minimum Ground Clearance	mm	180	200	200	220	220	220
Minimum Turning Radius	mm	2960	3290	3370	3800	4000	4100
Mast Inclination (F/R)	°	6/12	6/12	6/12	6/12	6/12	6/12
Total Weight	kg	6720	8750	9450	11000	11150	12000
SPEED							
Lifting Speed (laden)	mm/s	515	400	380	360	360	360
Travelling Speed (laden)	km/h	25	24	21	27	27	27
TRANSMISSION							
Type		Hydraulic					Torque Converter
TIRES							
Tire Size (Front)		300-15-18PR	8.25-15-14PR	8.25-15-14PR	9.00x20-14PR	9.00x20-16PR	9.00x20-16PR
Tire Size (Rear)		7.00-12-12PR	8.25-15-14PR	8.25-15-14PR	9.00x16-14PR	9.00x16-14PR	9.00x16-14PR
BRAKE SYSTEM							
Service Brake		Dry Disc Brake			Vacuum Charging Brake		
Parking Brake		Mechanical			Pliers Plate Type		
OPTIONAL							
Duplex Mast		○	○	○	○	○	○
Triplex Mast		○	○	○	○	○	○
Full Free Lift		○	○	○	○	○	○
Side Shift		○	○	○	○	○	○
Cabin		○	○	○	○	○	○
Solid Tires		○	○	○	○	○	○

● – Standard ○ – Optional N.A – Not Applicable

ENGINE OPTIONS

MITSUBISHI DIESEL ENGINE ISUZU

DIMENSION AND RANGES

ENGINE OPTIONS

Cummins

MITSUBISHI DIESEL ENGINE

MODEL		PFD1200S-V	PFD1350S-V	PFD1500S-V	PFD1600S-V	PFD1800S-V	PFD2000S-V
Load Capacity	kg	12000	13500	15000	16000	18000	20000
Lifting Height	mm	3000	4000	4000	4000	4000	4000
Free Lift Height	mm	0	0	0	0	0	0
Load Center	mm	600	600	600	600	1220	1250
Gradeability (laden)	%	23	21	21	21	25	15
Power Type		Diesel					
ENGINES							
Model		CUMMINS QSB4.5-C130 (Made in USA)	CUMMINS QSB6.7-C185 (Made in USA)			CUMMINS QSB6.7 (Made in USA)	CUMMINS QSB6.7-C240 (Made in USA)
Rated Power	HP/rpm	130 / 2200	175 / 2000			193 / 2300	243 / 2500
Emission		Euro III					
Optional Model		N.A	MITSUBISHI 6D16-TLE2C (Made in Japan)			N.A	MITSUBISHI 6D24-E1 (Made in Japan)
Rated Power	HP/rpm	N.A	135 / 2200			N.A	195 / 2200
Emission		Euro II					Euro I
DIMENSION							
Fork Size (LxWxT)	mm	1200x175x83	1500x200x87	1500x200x87	1500x200x87	2440x250x110	1800x260x96
Overall Length (without fork)	mm	4610	4530	4840	4890	5860	5490
Overall Width	mm	2250	2370	2450	2450	2535	3180
Overall Height (mast lowered)	mm	3015	3884	3884	3884	3915	4470
Overall Height (mast extended)	mm	4470	5884	5884	5884	5630	6470
Overall Height (overhead guard)	mm	2630	2875	2875	2875	3280	3580
Wheelbase	mm	3000	2800	3100	3100	3800	3500
Front Overhang	mm	820	796	804	804	1060	912
Rear Overhang	mm	790	936	936	986	1000	1075
Minimum Ground Clearance	mm	275	260	260	260	220	305
Minimum Turning Radius	mm	4200	4160	4550	4600	5300	5080
Mast Inclination (F/R)	°	6/12	6/12	6/12	6/12	6/12	6/12
Total Weight	kg	15750	17500	17800	18300	26300	29290
SPEED							
Lifting Speed (laden)	mm/s	340	290	280	280	320	240
Travelling Speed (laden)	km/h	26	25	24	24	30	30
TRANSMISSION							
Brand		POWERPLUS (USA)	DANA (Made in USA)			ZF (Made in Germany)	DANA (Made in USA)
Type		Hydraulic	Electric Control Gear Box				
AXLE							
Brand		POWERPLUS (USA)	MITSUBISHI (JAPAN)	MITSUBISHI (JAPAN)	MITSUBISHI (JAPAN)	KESSLER (Made in Germany)	DANA (Made in USA)
TIRES							
Tire Size (Front)		10.00-20-18PR	12.00-20-16PR	12.00-20-18PR	12.00-20-18PR	12.00-24-20PR	14.00-24-24PR
Tire Size (Rear)		10.00-20-18PR	12.00-20-16PR	12.00-20-18PR	12.00-20-18PR	12.00-20-20PR	14.00-24-24PR
BRAKE SYSTEM							
Service Brake		Dry Disc Brake	Air-Boost Type			Wet, Multiple Disc Brake	Air-Boost Type
Parking Brake		Shoe-Drum Type				Disc Brake	Shoe-Drum Type
OPTIONAL							
Duplex Mast		○	○	○	○	○	○
Triplex Mast		○	N.A	N.A	N.A	N.A	N.A
Full Free Lift		○	N.A	N.A	N.A	N.A	N.A
Side Shift		•	○	○	○	•	○
Fork Positioner		•	•	•	•	•	•
Cabin		○	○	○	•	•	•
Solid Tires		○	○	○	○	○	○

• – Standard ○ – Optional N.A – Not Applicable

DIMENSION AND RANGES

MODEL
Load Capacity
Lifting Height
Free Lift Height
Load Center
Gradeability (laden)
Power Type
ENGINES
Model
Rated Power
Type
DIMENSION
Fork Size (LxWxT)
Overall Length (without f
Overall Width
Overall Height (mast low
Overall Height (mast exte
Overall Height (overhead
Wheelbase
Front Overhang
Rear Overhang
Minimum Ground Clearan
Minimum Turning Radius
Mast Inclination (F/R)
Total Weight
SPEED
Lifting Speed (laden)
Travelling Speed (unlade
TRANSMISSION
Type
TIRES
Tire Size (Front)
Tire Size (Rear)
BRAKE SYSTEM
Service Brake
Parking Brake
OPTIONAL
Duplex Mast
Triplex Mast
Full Free Lift
Side Shift
Cabin
Solid Tires

● – Standard ○ – O

ENGINE OPTIONS

NISSAN

PSI POWER SOLUTIONS INTERNATIONAL

		PFE150S-V	PFE180S-V	PFE200S-V	PFE250S-V	PFE300S-V	PFE350S-V	PFE400S-V	PFE450S-V	PFE500S-V
	kg	1500	1800	2000	2500	3000	3500	4000	4500	5000
	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000
	mm	135	135	140	140	165	165	150	150	155
	mm	500	500	500	500	500	500	500	500	500
	%	15	15	15	15	15	15	20	20	20
		Electric								
	mm	920x100x35	920x100x35	1070x122x40	1070x122x40	1070x125x45	1070x130x50	1070x150x50	1070x150x50	1070x150x55
out fork)	mm	2073	2118	2286.5	2286.5	2546	2639	2863	2863	2863
	mm	1120	1120	1285	1285	1285	1365	1495	1495	1495
t lowered)	mm	2000	2000	2015	2015	2045	2120	2265	2265	2265
t extended)	mm	3980	3980	3990	3990	4100	4140	4220	4220	4220
head guard)	mm	2135	2135	2152	2152	2152	2138	2350	2350	2350
	mm	1380	1380	1485	1485	1670	1690	1800	1800	1800
	mm	410	410	454	454	475	495.5	570	570	570
	mm	317	317	390	390	402	505	513	513	513
learance	mm	105	105	95	95	110	125	154	154	154
adius	mm	1965	1965	2080	2080	2349	2405	2557	2557	2557
R)	°	5/10	5/10	5/10	5/10	5/10	6/10	5/10	5/10	5/10
	kg	2950	3230	3930	4100	4750	5253	6912	6912	7212
)	mm/s	290	290	280	280	280	280	300	290	280
den)	km/h	15	15	15	15	15	15	13.5	13.5	13.5
		FUJI (Japan)								
	V/Ah	48/420	48/420	48/600	48/600	80/500	80/500	80/700	80/700	80/775
		AC								
		ZAPI (Italy)								
		6.50-9-10PR		23x9-10-16PR			23x10-12	250-15		
		5.00-8-8PR		18x7-8-14PR			200/50-10	21x8-9		
		Dry Disc Brake								
		Mechanical								
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o

– Optional N.A – Not Applicable

DIMENSION AND RANGES

MODEL		PFR15S-V	PFR20S-V	PFR150S-V	PFR200S-V
Operation Type		Stand-On	Stand-On	Sit-On	Sit-On
Load Capacity	kg	1500	2000	1500	2000
Lifting Height	mm	3000	3000	3000	3000
Free Lift Height	mm	330	330	330	330
Load Center	mm	500	500	500	500
Gradeability (laden)	%	10	10	10	10
Power Type		Battery			
DIMENSION					
Fork Size (LxWxT)	mm	920x122x35	920x122x40	920x122x35	920x122x40
Overall Length (without fork)	mm	1270	1280	1315	1330
Overall Width	mm	1205	1216	1255	1266
Overall Height (mast lowered)	mm	2090	2090	2080	2080
Overall Height (mast extended)	mm	4025	4025	4025	4025
Overall Height (overhead guard)	mm	2260	2260	2100	2100
Wheelbase	mm	1470	1520	1425	1500
Minimum Ground Clearance	mm	80	80	80	80
Minimum Turning Radius	mm	1725	1775	1690	1775
Mast Inclination (F/R)	°	3/5	3/5	3/5	3/5
Total Weight	kg	2670	2725	2850	3000
PERFORMANCE					
Lifting Speed (laden)	mm/s	240	220	260	280
Travelling Speed (laden)	km/h	8.8	8.8	6.8	8.8
BATTERY					
Brand		FUJI (Japan)			
Capacity	V/Ah	48/420	48/420	48/460	48/460
CONTROLLER					
Type		AC			
Brand		ZAPI (Italy)			
TIRES					
Tire Size (Front)		Φ250×120	Φ250×120	Φ285×108	Φ343×108
Tire Size (Driven)		Φ381×130	Φ381×130	Φ343×132	Φ343×132
BRAKE SYSTEM					
Service Brake		Electromagnetic		Hydraulic	
OPTIONAL					
Duplex Mast		○	○	○	○
Triplex Mast		○	○	○	○
Full Free Lift		○	○	○	○
Side Shift		○	○	○	○
Charger		○	○	○	○

• – Standard ○ – Optional N.A – Not Applicable

KEY COMPONENTS

		PFG150S-V	PFG180S-V	PFG200S-V	PFG250S-V	PFG300S-V	PFG350S-V	PFG450S-V	PFG500S-V	PFG700S-V
	kg	1500	1800	2000	2500	3000	3500	4500	5000	7000
	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000
	mm	135	135	160	160	165	170	150	150	205
	mm	500	500	500	500	500	500	500	500	600
	%	20	20	20	20	20	20	18	15	15
		LPG								
		NISSAN K21 (Made in Japan)		NISSAN K25 (Made in Japan)				PSI 4.3L (Made in USA)		
	HP/rpm	42 / 2250		50 / 2300				85 / 2000		
		IMPCO System						PSI		
	mm	920x100x35	920x100x35	1070x122x40	1070x122x40	1070x125x45	1070x130x50	1070x150x50	1070x150x55	1220x150x65
ork)	mm	2255	2300	2560	2620	2704	2804	3260	3310	3580
	mm	1070	1070	1150	1150	1210	1210	1490	1490	1995
ared)	mm	2015	2015	2010	2010	2075	2150	2265	2265	2625
nded)	mm	3984	3984	3990	3990	4100	4100	4230	4230	4370
l guard)	mm	2110	2110	2180	2180	2205	2205	2265	2265	2435
	mm	1400	1400	1600	1600	1700	1700	2100	2100	2250
	mm	400	400	475	475	490	501	590	595	590
	mm	465	510	485	544	543	623	585	625	740
nce	mm	130	130	130	130	155	155	175	175	200
	mm	2040	2075	2180	2230	2450	2520	2920	2960	3370
	°	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	kg	2590	2800	3300	3590	4300	4680	6500	6750	9450
	mm/s	380	380	530	530	425	335	440	440	380
n)	km/h	14.5	14.5	18	18	18	18	22	22	20
		Hydraulic								
		6.50-10-10PR		7.00-12-12PR		28x9-15-14PR		300-15-18PR		8.25-15-14PR
		5.00-8-8PR		6.00-9-10PR		6.50-10-10PR		7.00-12-12PR		8.25-15-14PR
		Dry Disc Brake								
		Mechanical								
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o
		o	o	o	o	o	o	o	o	o

Optional N.A – Not Applicable

DIMENSION AND RANGES

MODEL		PFR15S-V	PFR20S-V	PFR150S-V	PFR200S-V
Operation Type		Stand-On	Stand-On	Sit-On	Sit-On
Load Capacity	kg	1500	2000	1500	2000
Lifting Height	mm	3000	3000	3000	3000
Free Lift Height	mm	330	330	330	330
Load Center	mm	500	500	500	500
Gradeability (laden)	%	10	10	10	10
Power Type		Battery			
DIMENSION					
Fork Size (LxWxT)	mm	920x122x35	920x122x40	920x122x35	920x122x40
Overall Length (without fork)	mm	1270	1280	1315	1330
Overall Width	mm	1205	1216	1255	1266
Overall Height (mast lowered)	mm	2090	2090	2080	2080
Overall Height (mast extended)	mm	4025	4025	4025	4025
Overall Height (overhead guard)	mm	2260	2260	2100	2100
Wheelbase	mm	1470	1520	1425	1500
Minimum Ground Clearance	mm	80	80	80	80
Minimum Turning Radius	mm	1725	1775	1690	1775
Mast Inclination (F/R)	°	3/5	3/5	3/5	3/5
Total Weight	kg	2670	2725	2850	3000
PERFORMANCE					
Lifting Speed (laden)	mm/s	240	220	260	280
Travelling Speed (laden)	km/h	8.8	8.8	8.8	8.8
BATTERY					
Brand		FUJI (Japan)			
Capacity	V/Ah	48/420	48/420	48/480	48/480
CONTROLLER					
Type		AC			
Brand		ZAPI (Italy)			
TIRES					
Tire Size (Front)		Φ250×120	Φ250×120	Φ285×108	Φ343×108
Tire Size (Driven)		Φ381×130	Φ381×130	Φ343×132	Φ343×132
BRAKE SYSTEM					
Service Brake		Electromagnetic		Hydraulic	
OPTIONAL					
Duplex Mast		○	○	○	○
Triplex Mast		○	○	○	○
Full Free Lift		○	○	○	○
Side Shift		○	○	○	○
Charger		○	○	○	○

● – Standard ○ – Optional N.A – Not Applicable

KEY COMPONENTS

FUJI ZAPI

OPTIONAL

MAST
Duplex Mast
Extended Fork
Full Free Lift
Triplex Mast

CABIN
Air-conditioner
Fully-Enclosed Cabin
Heater
Semi-Enclosed Cabin
Windscreen

EXHAUST
Spark Arrestor
Vertical Exhaust

TIRES
Double Tires
Solid Tires
Super Elastic Tires

OTHERS
Custom Colours and Decals
LCD Display with
LED Lights
Rear-View Camera

ATTACHMENT

Fork positioner

Fork clamp

Multi-purpose clamp

Paper roll clamp

Sanitation fork

Log holder

Synchronous clamping fork

Tyre clamp

Turnaload

Carton clamp

Bar arm clamp

Quick-installed push pull

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

GLOBAL NETWORK DISTRIBUTION

POWERPLUS is committed to creating long-term value for its customers, partners and stakeholders. Our Service Centers are strategically located in major construction, industrial and manufacturing hubs in key regions around the world.

Given our years of experience in the industry, it is no doubt that our customers can always rely on us for the expertise, services and solutions we provide. Most importantly, you will find our after-sales service a satisfying experience at all our Service Centers worldwide.

DURABILITY, RELIABILITY & AFFORDABILITY

POWERPLUS Parts and Service Centers provides a convenient channel for you to order the original spare parts through a network of highly certified OEM manufacturers and an effective distribution of spare parts through our global network of vendors.

From determining the correct part number to locating and ordering, we are committed to working round-the-clock for timely solutions and delivery to ensure we serve our customers promptly and efficiently.

Coupled with affordable parts prices and high interchangeability across the POWERPLUS machinery range, we take pride in being able to offer value to our customers with cost-effective solutions. Most importantly, you are able to retain the machines with high residual value to enhance your return on investment.

SERVICE

Delivering Unsurpassed Customer Service - Because You Matter.

Our dedicated team of customer service executives, skilled engineers and technicians are well-trained to ensure timely and propitious support throughout the customer life cycle. With a comprehensive dealer network coverage and service facilities support, POWERPLUS dedicated team of account managers and service teams from the Customer Service Charter are trained to respond to your queries and requests promptly and efficiently.

To deliver more, our service package includes educating our customers with training, maintenance and servicing to ensure customers are empowered to utilize the machines at its best; therefore optimizing the machine's performance and increasing uptime.

At POWERPLUS, we strive to build and maintain long-term relationships with each and every client based on trust, integrity and professionalism.

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.
1521 East Grand Avenue,
California 91766, USA
Tel: (1) 909 6225 888
Fax: (1) 909 6225 828
Email: hq@powerplus.us

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