



**POWERPLUS®**  
POWERPLUS GROUP INC., USA

OVER   
**45**  
YEARS OF TRUST



# EXCAVATOR CLASSIC SERIES

PP160E-IX . PP220E-IX . PP235E-IX . PP330E-IX  
PP350ELC-IX . PP380E-IX . PP400E-IX . PP520E-IX

# 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 ideal 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.



POWERPLUS Excavators can be counted on to deliver unparalleled performance and unmatched versatility. When it comes to cost efficiency, POWERPLUS Excavators make for one of the lowest cost-per-ton options for moving materials in its class, giving you significant savings and better return on investment.





# PP235E-IX

## TECHNICAL SPECIFICATIONS

### MAIN SPECIFICATION

Operating weight	24000 kg
Rated bucket capacity	0.4 m³
Maximum digging force	144.1 kN
Swing speed	10 rpm
Maximum drawbar pull	180 kN

### ENGINE

Brand	Powerplus
Rated power	170 hp / 2200 rpm
Type	Diesel 6 Cylinder 4 stroke turbo charger water cooled
Displacement	5.5 L

### UNDERCARRIAGE

Travel speed (high/low)	5 / 2.7 km/h
Ground pressure	43.2 kPa
Track rollers	8
Carrier rollers	2
No. of tracks	45
Triple grouser track width	800 mm
Track gauge	2300 mm
Track length	4100 mm
Track movement	Independent track movement

### CABIN

All weather steel cabin with safety glass, enabling wide operational view, comes standard with an adjustable air suspension operator's seat, streamline dashboard for extensive operations with well deserve comfort. C/W hour meter, engine temperature gauge, engine oil pressure gauge, hydraulic oil pressure gauge, battery charging indicator, 24 V. electric system and side cutter.

### HYDRAULIC SYSTEM

Type	Hydraulic system, closed-center system with load sensing valve and pressure compensated valve
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#### Main pump

Brand	KAWASAKI
Type	Variable displacement piston
Pump for	Boom, arm, bucket, swing and travel circuit
Maximum flow	212 x 2 L/min
Supply for control circuit	Self reducing valve

#### Hydraulic motors

Travel	2 x axial piston motor with parking brake
Swing	1 x axial piston motor with parking brake

#### WORKING RANGE

Digging reach	18000 mm
Digging depth	13000 mm
Digging height	14000 mm

#### Hydraulic cylinders

(Number of cylinders - bore x stroke x rod diameter)

Boom	2-120mm x 1245mm x 85mm
Arm	1-135mm x 1538mm x 95mm
Bucket	1-120mm x 1050mm x 80mm
Working pressure	34.3 MPa
Hydraulic oil tank capacity	160 L





### International Division

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

### Research & Development Facility

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

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