



# SPBP

*Self Propelled Boom Pump*

**SPBP 25ZX**



SELF LOADER



BATCHING PLANT



TRANSIT MIXER



CONCRETE PUMP



BOOM PUMP



**SPBP**

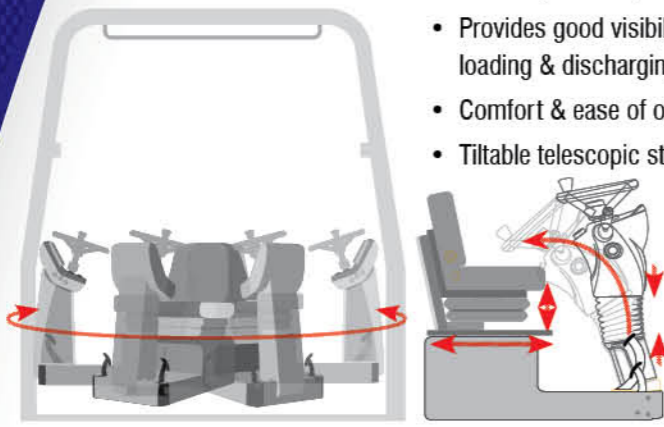


PAVER



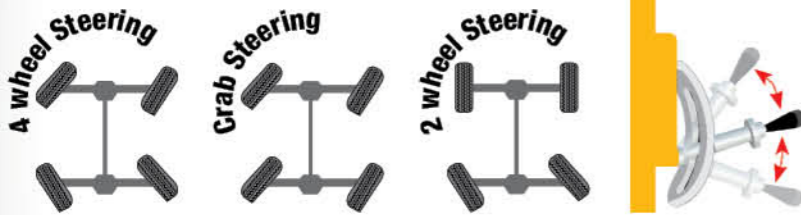
### Cabin Ergonomics

- Swivel operators post 180°
- Provides good visibility both during driving, loading & discharging
- Comfort & ease of operations to the operator
- Tilttable telescopic steering column kit



### 4 Wheel Drive

- Improves traction while driving off road
- Contributes to better grip on slippery & tough terrains



### 3 Way Steering

- 3 way steering ensures tight turning radius and excellent manoeuvrability, ideal to work in confined spaces.

### Gradeability

- Highly efficient in steep inclined terrains
- Can traverse through inclined terrains



### Hydraulic Transmission

- Hydrostatic transmission with variable displacement piston pump for tough terrains
- Dual displacement hydrostatic motor for seamless speed change

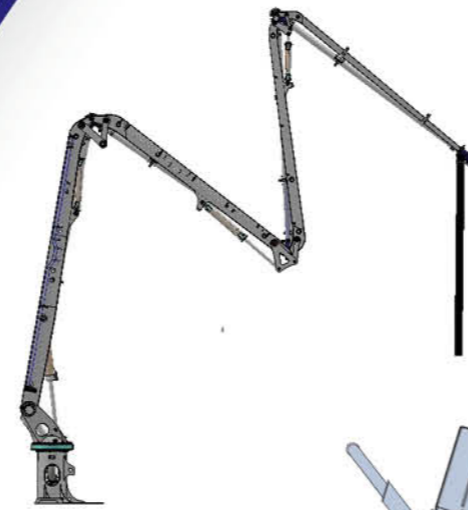


### Bi-Directional Tyres

- Flat bi-directional tread pattern with high lug-to-void
- Void guard protection

### Outriggers

- "X" brace outrigger system with telescopic arrangement for great stability
- Two-part outriggers for easy maintenance
- Fully hydraulic outriggers with integral cylinders
- Auto levelling system and bubble level indicators

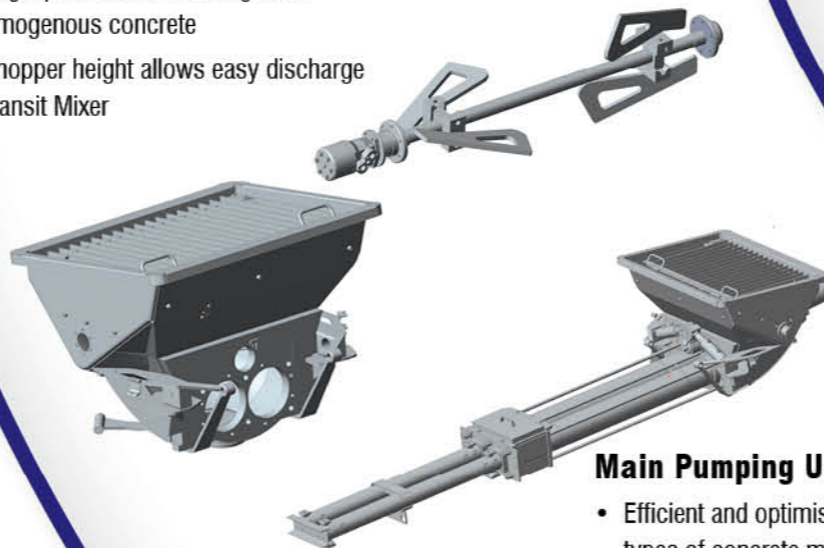


### S Valve Technology

- Manufactured with special cast steel material, hard faced and optimized design
- Bottom scoop design helps free movement and bottom concrete scraping

### Hopper / Agitator

- Improved Hopper design to eliminate deposition of concrete and provide smooth flow
- Wide angle paddles for better agitation and homogenous concrete
- Lower hopper height allows easy discharge from Transit Mixer

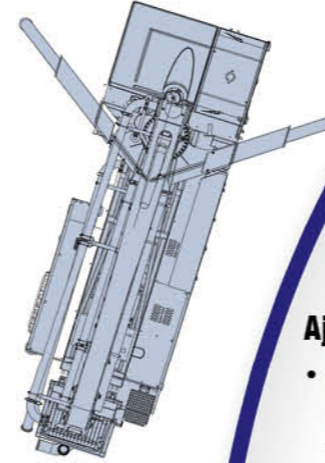


### Main Pumping Unit

- Efficient and optimised pumping kit to support various types of concrete mix
- High pressure ensures less choking

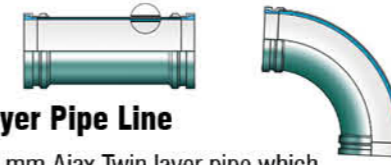
### Boom Operation & Control

- Versatile 4-section Z-Fold boom
- Automatic lubrication
- Smooth and precise boom positioning at greater distances



### Hydraulic Control System

- Single block design to support S valve and Main cylinder operation



### Ajax Twin Layer Pipe Line

- Standard 125 mm Ajax Twin layer pipe which is approximately 4.5 times longer life compare to conventional pipeline
- Standardized 45° and 90° elbows and straight pipe sections



### Remote Control

- 100 m range for all boom operations



### Auto Lubrication System

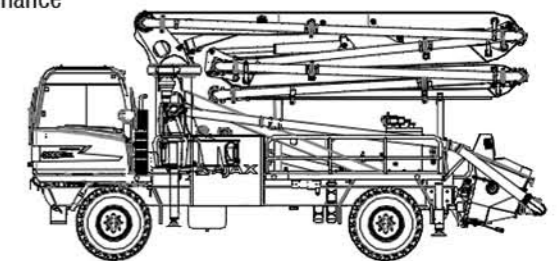
- The robust auto-lubrication system facilitate low and hassle free maintenance
- Designed with performance indicator



### Wear Parts

- Manufactured with special material and tungsten carbide inserts for high wear resistance for any type of concrete

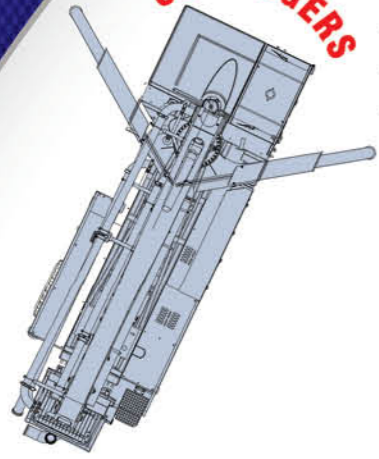
**SPBP**



### Chassis

- Suitable for 4/2 chassis.
- Rugged design to work at any tough site

## OUTRIGGERS



- Needs least space for outriggers (X) for setup
- X - outriggers with telescopic arrangement for great stability
- Designed for smooth concrete flow with less pressure drop
- Quick setup on restrictive job sites

## BOOM DESIGN



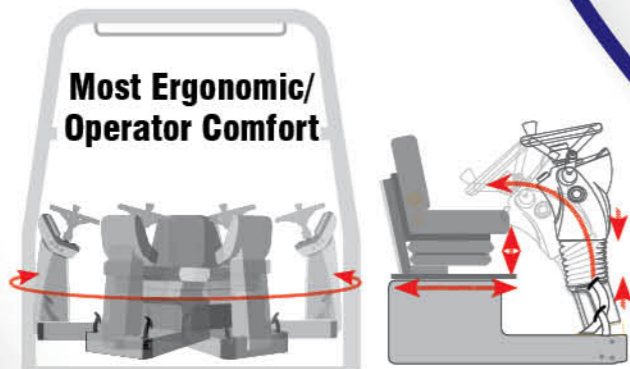
- Boom folds can reach least accessible areas in construction site with ease
- Light weight and optimised design



## High Manoeuvrable Machine

- Accurate centre of gravity ensure machines stable on any terrain
- 3 way steering and four wheel drive enables to reach remote places

## Most Ergonomic/ Operator Comfort



- Seat adjustment & tiltable telescopic steering column kit
- 180° Swivelable operator post without hassle
- Ergonomically placed inching peddle for precise & better reach at site



- Best in class water consumption- 1/5th of industry standards



- Efficient greasing of all components
- Electrical timer for optimized greasing
- Performance indicator for easy trouble shooting



- First in India to launch Self Propelled Boom Pump
- Rugged design to work at any tough site



- Limit switch ensures the safety during S valve operations
- Emergency stop - cuts down the complete operations



- SPBP model Patent pending in India

## REMOTE CONTROL



- Remote control access with 100 m range



- Unmatched network & support in concreting equipment industry



- Less Fuel Consumption - Best in class in this segment



- High pressure for better performance
- Reduce concrete choking



- Low maintenance cost
- Help increased life of chrome cylinder

## HOPPER & S-VALVE



- Simple hydraulic switch over for trouble free operation
- Large capacity of hopper to hold more concrete during pumping



- Energy efficient hydraulic unit



- 300% longer life compared to non-carbide wear parts
- Low operating cost
- Easy to service

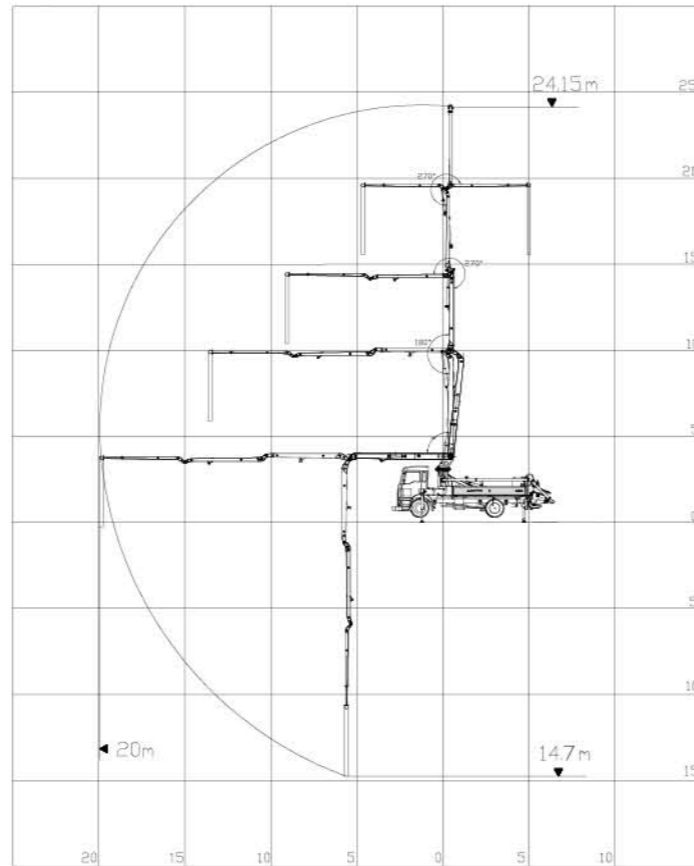
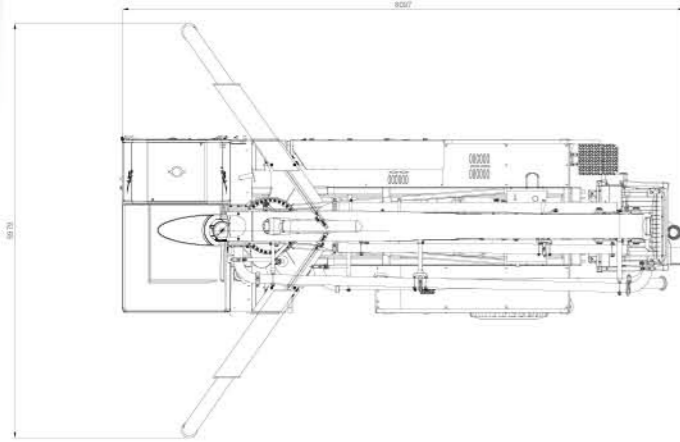
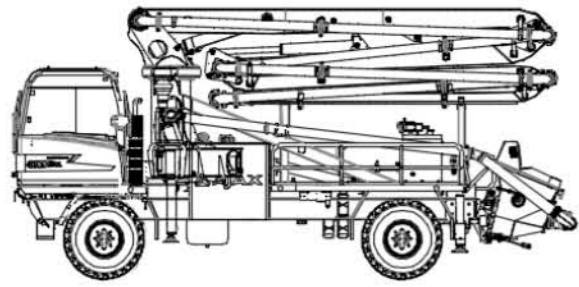
## 365° ROTATION



- 365° rotation of boom ensures delivery of concrete at farthest point
- Safety interlocks for hassle free working environment



## Dimensions



## Technical Specification

	Description	SPBP 25ZX
Chassis	Wheel base	4275 mm
	Front overhang	1000 mm
Engine	Engine Model	KOEL 4R1040TA4 diesel engine 4 cylinder turbocharged intercooled, 110 hp @ 2500 rpm BSIII emission compliant
Concrete Pump	Concrete output (max.) Rod side	66 m <sup>3</sup> /hr
	Concrete output (max.) Piston side	46 m <sup>3</sup> /hr
	Concrete pressure (max.) Rod side	67 bar
	Concrete pressure (max.) Piston side	100 bar
	Number of strokes (max.) Rod side	25 per min
	Number of strokes (max.) Piston side	17 per min
	Delivery cylinder Bore x stroke	Ø200 x 1400 mm
	Hydraulic system pressure	330 bar
	Hopper capacity	600 L
	Distribution valve	S 2018
Boom	Pumping-line diameter	DN 125 mm
	Reaching height (vertical)	24.1 m
	Horizontal reach (from center of slewing axis)	20.22 m
	Reach depth	14.7 m
	Slewing range	365°
	1st folding angle	96°
	2nd folding angle	180°
	3rd folding angle	270°
	4th folding angle	270°
	Number of articulations	4



# AJAX Support Network



-  **AJAX Headquarters**
-  **Regional & Area Offices**
-  **Dealer Offices**
-  **Dealer Touch Points**



An ISO 9001:2015 Certified Company



Toll Free Number  
**1800 4190 628**

### Corporate Office:

#### AJAX ENGINEERING PVT. LTD.

No. 253/1, 11th Main, Phase III, Peenya Industrial Area  
Bengaluru - 560 058, Karnataka, India

CIN # U28920KA1992PTC013306

T : + 91 80 6720 0082/ 6720 0083

E : [customercare@ajax-engg.com](mailto:customercare@ajax-engg.com)

W : [www.ajax-engg.com](http://www.ajax-engg.com)

### Factory:

#### AJAX ENGINEERING PVT. LTD.

No. 3, 16 & 17, KIADB Industrial Area, Bashettihalli  
Doddaballapur, Bengaluru Rural - 561 203, Karnataka, India

T : + 91 80 6720 1135

### Authorised Dealer:

*\*Specifications are subject to change without prior notice, Products shown herein may include optional scope of supply. Kindly refer to techno-commercial quote.*



**SELF LOADER**



**BATCHING PLANT**



**TRANSIT MIXER**



**CONCRETE PUMP**



**BOOM PUMP**



**SPBP**



**PAVER**