

SELF-PROPELLED BOOM PUMP



The Next-Gen 360° Concreting Solutions

SPBP A25ZX

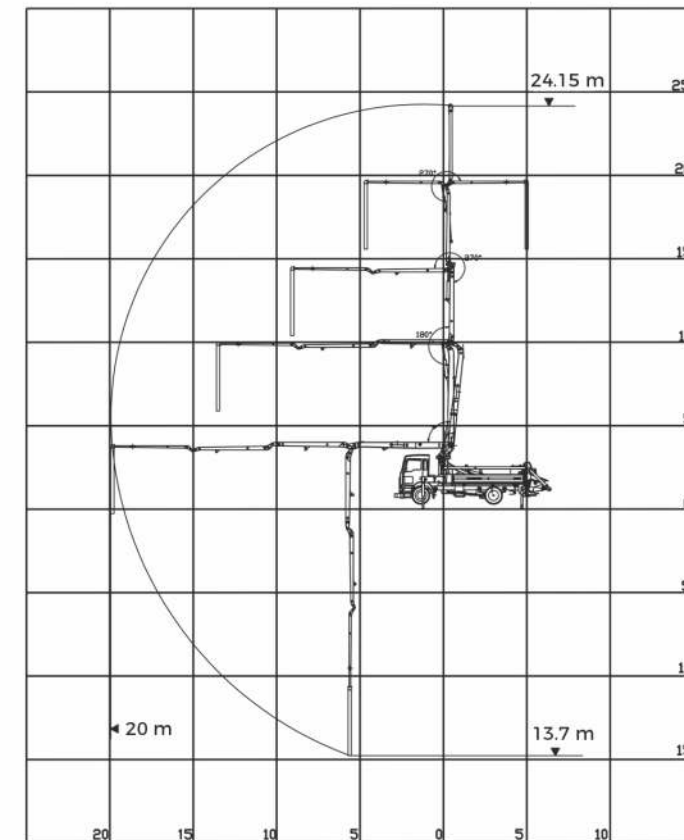
With CATERPILLAR Engine
(Truck Mounted Version)

MADE IN
INDIA
MADE FOR THE WORLD

SPBP	
Model	Reach Height
SPBP A25ZX	24.15 m

Technical drawing of the AAJAX 3000 truck showing dimensions in millimeters. The drawing includes the following measurements:

- Overall height: 3863 mm
- Height to the top of the boom: 3027 mm
- Wheelbase: 4275 mm
- Front overhang: 1313 mm
- Rear overhang: 2527 mm
- Height to the bottom of the boom: 372 mm



Maximum Power:
97 kW 130 HP

Maximum Torque:
500 Nm @ 1400 rpm 369 lb-ft @ 1400 rpm

Emission Standards:
U.S. EPA Tier 2 Equivalent, EU Stage II Equivalent

Engine Configuration:
Inline 4, 4-Stroke-Cycle Diesel

Maximum Torque:
500 Nm @ 1400 rpm 369 lb-ft @ 1400 rpm

Emission Standards:
U.S. EPA Tier 2 Equivalent, EU Stage II Equivalent

Emission Standards:
U.S. EPA Tier 2 Equivalent, EU Stage II Equivalent

Engine Configuration:
Inline 4, 4-Stroke-Cycle Diesel

SALIENT FEATURES & BENEFITS



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 with very good tight turning radius.



3 WAY STEERING

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



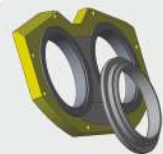
GRADEABILITY

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



HYDRAULIC CONTROL SYSTEM

Single block design to support S valve and main cylinder operation



WEAR PARTS

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



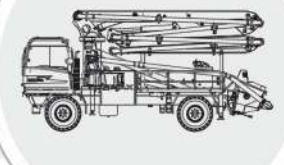
HOPPER / AGITATOR

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



MAIN PUMPING UNIT

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



CHASSIS

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



365° ROTATION

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



BOOM DESIGN

Boom folds can reach least accessible areas in construction site with easy, Light weight & optimised design



AUTO LUBRICATION SYSTEM

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



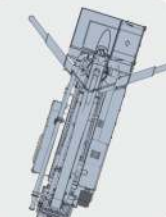
EFFICIENT GREASING

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



S VALVE TECHNOLOGY

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



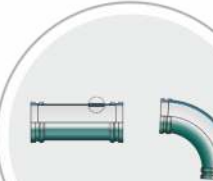
OUTRIGGERS

"X" brace outrigger system with telescopic arrangement for great stability, Two-part outriggers for easy maintenance, Fully hydraulic outrigger with integral cylinders, Auto leveling system & bubble level indicator



RADIO REMOTE

100 m range for all boom operations



TWIN LAYER PIPE LINE

Standard 125mm Twin layer pipe which is approximately 3-4 times longer life compare to conventional pipeline, Standardized 45° and 90° elbows & straight pipe sections

TECHNICAL SPEC

BOOM SPECIFICATION

Reaching height (vertical)	24.15 meter
Horizontal reach (from center of slewing axis)	20 meter
Reach depth	13.7 meter
Slewing angle	360° deg
1st folding angle	96° deg
2nd folding angle	180° deg
3rd folding angle	270° deg
4th folding angle	360° deg
Number of articulations	4
End Hose	4m
Arm-1 Length	6180mm
Arm-2 Length	5010mm
Arm-3 Length	4990mm
Arm-4 Length	4933mm
Front Out rigger Spread	6095mm
Rear Out Rigger Spread	2600mm

PUMPING KIT SPECIFICATION

Concrete output Max	(Theo)	70 m³/hr
Concrete output (max)	Rod side Piston side	68 m³/hr, 48 m³/hr
Concrete pressure (max)	Rod side Piston side	71 bar, 106 bar
Number of strokes (max)	Rod side Piston side	25 per min 18 per min
Delivery cylinder bore X stroke		Ø200 x 1400mm
Hydraulic system pressure		350 bar
Hopper capacity		600 Liters
Distribution valve		S2018

STANDARD ACCESSORIES

Automatic greasing system
Sensor for hopper grill opening
Working lamp for Hopper
Sponge ball for concrete pipe line cleaning
Vehicle Level indicator
Tool box
High pressure cleaning system along with water tank for cleaning
wireless Remote for boom/pumping operation
Twin layer concrete pipeline

CHASSIS SPECIFICATION

Diesel engine 130 HP at 2200 r.p.m, 500Nm @ 1400 rpm
Engine make : CAT
Battery - 12 volt, 180 amp-hr
Electric starting and alternator system
Automotive hydrostatic transmission with variable displacement pump and motor
Two speed mechanical gearbox through Electro Hydraulic switches
Four wheel drive/two wheel drive
Four wheel power steering (3 position configuration)
Fully floating heavy duty axle
Heavy duty oil bath type disc brakes on all four wheels
180 degree swivel able operator post - in a CLOSED CABIN
Wheel assemblies with 18-19.5 18PR
Fuel tank 180L
Water Tank 350L
Hyd tank 450L
Spare Tyre (Optional)

APPLICATIONS



UNPARALLELED NETWORK IN
CONCRETING INDUSTRY

MADE IN
INDIA
MADE FOR THE WORLD

35+
Dealer
Locations
100+
Touch Points



AUTHORISED DEALER

**Specifications are subject to change without prior notice, Product shown herein may include optional scope of supply. T&C Apply.*

The Next-Gen 360° Concreting Solutions



Self-Loading
Concrete Mixer



Batching Plant



Transit Mixer



Concrete Pump



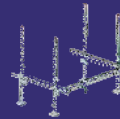
Boom Pump



Self-Propelled
Boom Pump



Concrete
Slip-Form Paver



3D Concrete
Printer



Please Scan to know
more about Ajax



MAKES CONCRETE SENSE

Follow us on Toll Free No: 1-800-419-0628 www.ajax-engg.com

Registered Office - **AJAX ENGINEERING LIMITED** (Formerly known as Ajax Engineering Pvt. Ltd.), #253/1, 11th Main, 3rd Phase, Peenya Industrial Area, Bengaluru-560 058.

CIN No.: U28245KA1992PLC013306 | T: +91 80 6720 0082, 6720 0083 | Email: customercare@ajax-engg.com