

CONCRETE PUMPS



The Next-Gen 360° Concreting Solutions

ASP SERIES

(Stationary Concrete Pump)

**MADE IN
INDIA**
MADE FOR THE WORLD



CONCRETE PUMPS

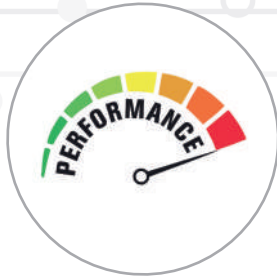
ASP SERIES

(Stationary Concrete Pump)

AJAX Concrete Pumps are a result of years of experience in concrete applications for hassle free horizontal and vertical pumping of concrete. The pumps are designed for the smooth flow of concrete with less pressure drop and higher fuel efficiency. The versatile pumps are suitable for SLCMs, Transit Mixers and Batching Plants for all types of concrete and applications.

ASP SERIES	
Model	Output
ASP 3009	30 cu.m/hr
ASP 4011	40 cu.m/hr
ASP 5009	50 cu.m/hr
ASP 6011E	60 cu.m/hr
ASP 7011	70 cu.m/hr
ASP 7011 L	70 cu.m/hr
ASP 10012	97 cu.m/hr

BEST-IN-CLASS BENEFITS



PERFORMANCE

High pressure for better performance, High-rise pumping, Reduces concrete choking



ENERGY EFFICIENT

Energy efficient hydraulic system



BEST IN CLASS IN THE INDUSTRY

Rugged design to work at any tough site, Simple and user friendly jack screw



300% LONGER LIFE

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



EFFICIENT GREASING

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



SAFETY FIRST

Emergency stop - cuts down the complete operations, Temperature sensor in hydraulic tank ensures stopping pumping operations at higher temperatures

SALIENT FEATURES



HOPPER / AGITATOR

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



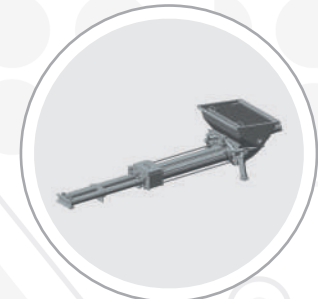
SOLID RAM

Through applied high pressure system longer life of rubber piston is achieved



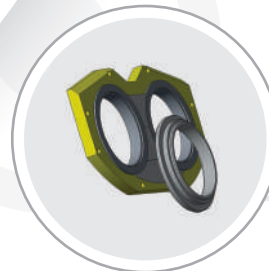
S VALVE TECHNOLOGY

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



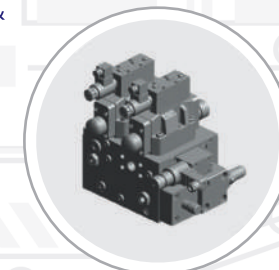
MAIN PUMPING UNIT

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



WEAR PARTS

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



VALVE BLOCK & HYDRAULIC CONTROL SYSTEM

Single block design to support S valve and main cylinder operation



ENGINE*

Market proven engine for this application

**Model also available in Electric Motor*



CHASSIS

Rugged Chassis design, Manual stabilizer have multi-setting to give the pump solid stance even on uneven ground.



HIGH PRESSURE CLEANING SYSTEM *

Cleaning with pressurized water is one of the best method. This will clean the residual concrete in the hopper and seal housing 1 & 2.

** Optional Features*



HYDRAULIC FILTER

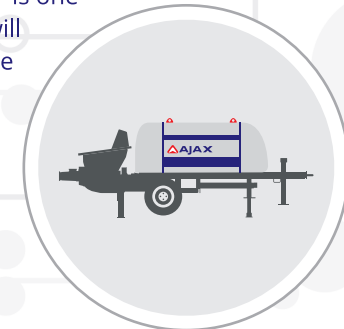
Hydraulic filter-keeps hydraulic oil clean, Increased oil drain period, Enhance life of hydraulic components



AUTO LUBRICATION SYSTEM*

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

**Optional Features*



HIGH RISE PUMPING

Designed for hassle free pumping for both horizontal & vertical applications, Designed for smooth concrete flow with less pressure drop, High-rise pumping achieved by changing rod side to piston side



ELECTRICAL CONTROL PANEL

Simple electrical control panel for ease of operations



REMOTE CONTROL*

Remote control is available with a 10 m wired cable for enhanced manoeuvrability

**Optional Features*



HAND OPERATED GREASE PUMP *

Efficient greasing of pumping kit critical components, Distributor has performance indicator for easy trouble shooting.

**Optional Features*

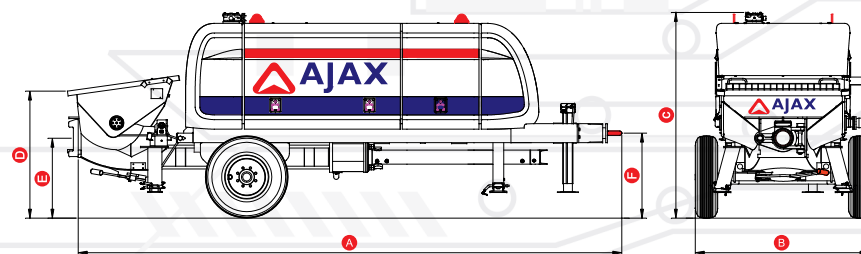
TECHNICAL SPEC

DESCRIPTION		ASP 3009	ASP 4011	ASP 5009	ASP 6011E	ASP 7011 / ASP 7011-L	ASP 10012
Engine		Diesel Engine 4 Cylinder Air Cooled 66 hp @ 2150 rpm	Diesel Engine 4 Cylinder Air Cooled 66 hp @ 2150 rpm	Diesel Engine 4 Cylinder Air Cooled 66 hp @ 2150 rpm	Electric Motor 100 hp	Diesel Engine 6 Cylinder Air Cooled 100 hp @ 2100 rpm	Diesel Engine 6 Cylinder Water Cooled 170 hp, TCIC @ 2100 rpm
Concrete Output max (theo.)	Rod Side	30 m ³ / hr	40 m ³ / hr	50 m ³ / hr	55 m ³ / hr	70 m ³ / hr	97 m ³ / hr
	Piston Side	22 m ³ / hr	30 m ³ / hr	36 m ³ / hr	37 m ³ / hr	48 m ³ / hr	60 m ³ / hr
Concrete pressure (max.)	Rod Side	57 bar	75 bar	61 bar	71 bar	71 bar	56 bar
	Piston Side	85 bar	108 bar	88 bar	106 bar	106 bar	119 bar
Number of strokes (max.)	Rod Side	23 per min	27 per min	27 per min	21 per min	26 per min	35 per min
	Piston Side	17 per min	20 per min	20 per min	14 per min	18 per min	19 per min
Delivery Cylinder Bore x Stroke		ø 200 x 700 mm	ø 180 x 1000 mm	ø 200 x 1000 mm	ø 200 x 1400 mm	ø 200 x 1400 mm	ø 200 x 1600 mm
Hopper Capacity		450 ltr	600 ltr	600 ltr	600 ltr	600 ltr	600 ltr
Distribution Valve (S-Valve)		S 2018	S 2018	S 2018	S 2018	S 2018	S 2018
Gross Weight		3360 kg	3860 kg	3840 kg	3840 kg	4390 kg	5180 kg
Hand Operated Pump		Optional	Optional	Optional	Optional	Standard	Standard
Remote Assembly (10m Wired)		Optional	Optional	Optional	Optional	Optional	Optional
High Pressure Cleaning System		-	-	-	-	Optional	Optional
* All are theoretical values...							

DIMENSIONS

POS	ASP 3009	ASP 4011	ASP 5009	ASP 6011E	ASP 7011 / ASP 7011-L	ASP 10012
A	4490	4990	4990	5760	5760	6080
B	1800	1800	1800	1840	1840	1840
C	2040	2150	2150	2150	2150	2540
D	1300	1325	1325	1335	1335	1365
E	810	835	835	845	845	875
F	830	855	855	865	865	895

All dimensions are in 'mm'



APPLICATIONS

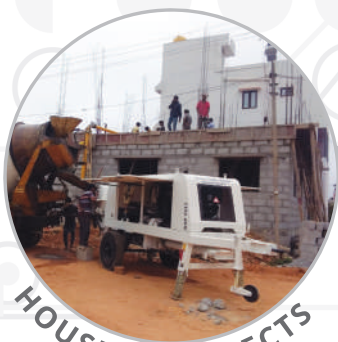
FACTORY



COMMERCIAL



HIGH-RISE BUILDINGS



HOUSING PROJECTS

BRIDGES

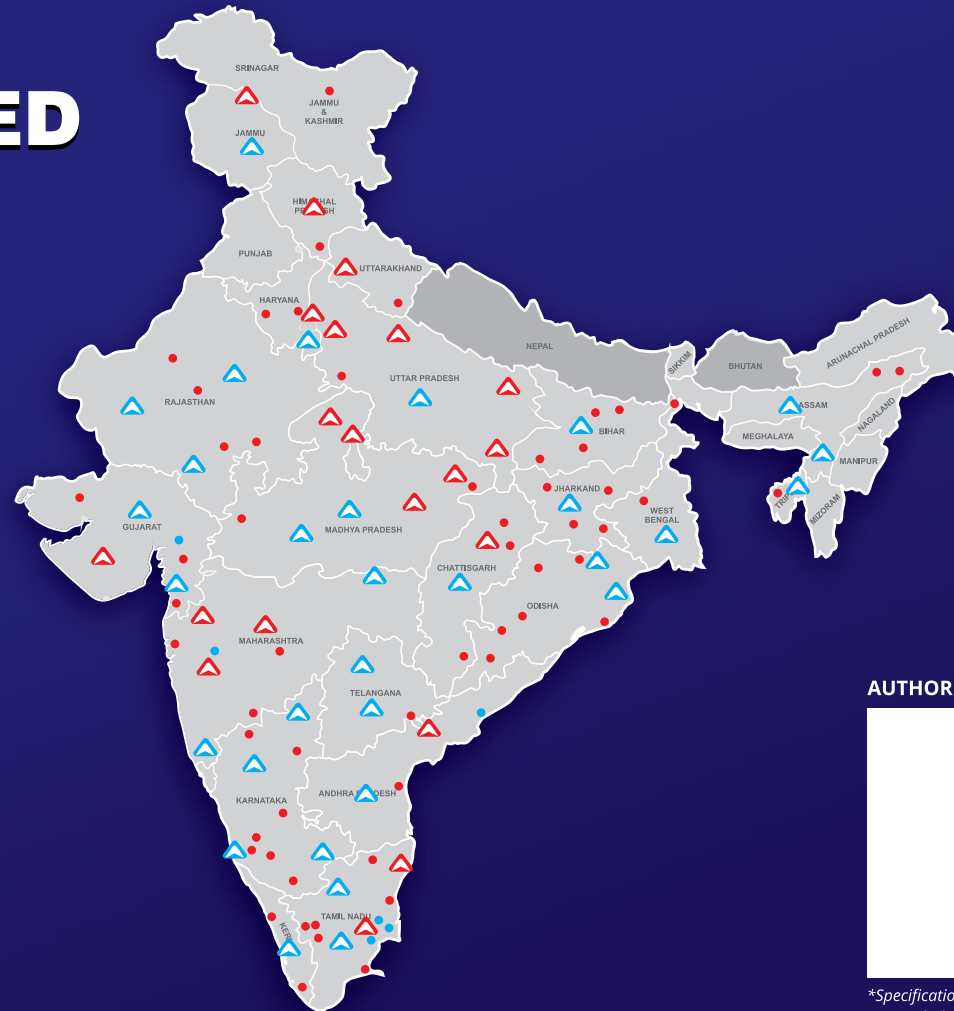


POWER PROJECT

IRRIGATION STRUCTURES



UNPARALLELED NETWORK in CONCRETING INDUSTRY



-  **Headquarters**
-  **Headquarters with Service Centers**
-  **Branches with Service Centers**
-  **Branches**

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



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