

PRODUCT RANGE



The Next-Gen 360° Concreting Solutions

**MADE IN
INDIA**
MADE FOR THE WORLD

AJAX ENGINEERING PVT. LTD.

AJAX, a legendary concreting equipment player renowned for both its engineering expertise as well as product after-sales support network is truly a world-class leader in providing concreting business solutions that makes concrete sense. **AJAX** was established in the year 1992 for manufacturing Self-Loading Concrete Mixer and today is the Global Leader in this product. Over the years, **AJAX** has evolved by adapting to the needs of its customers with a clear and consistent goal towards becoming the most customer-centric organization. Now, **AJAX** has emerged as next-gen 360° concreting solutions provider that offers a complete range of products that includes self-loading concrete mixers, concrete batching plants, transit mixers, stationary pumps, boom pumps, self-propelled boom pumps, and slip-form paver offering end-to-end solutions that encompasses production, transport, placement, and pavement. The company is headquartered at Bangalore & has state-of-the-art manufacturing facilities at Doddaballapur and Gowribidanur in the outskirts of Bangalore.



Technology has always been the forte of **AJAX's** business at the intersection of repertoire of engineering knowledge about concreting segment together with the core creation of customer values through effectual customer relationship management. Leveraging technology to offer innovative products has been **AJAX's** strength all through. **AJAX** is committed to embracing digital transformation and is constantly re-inventing itself thereby evaluating the opportunities and solutions to emerge us as a next gen player investing in technology to improve our core capabilities & strengths aligning ourselves and to offer benchmarking products on a par with global standards. With the continuing growth and evolution of the concreting industry, **AJAX** an **ISO 9001:2015 & ISO 14001:2015** certified company stays up-to-date in terms of technological advancement, benchmarking processes, and best business practices with international standards delivering customer-centric solutions.

AJAX's strategic product focus begins with the end in mind with the patronage of our customers and we truly live by the mantra of **CUSTOMER FIRST** always, Wherever the need is, Whenever the need arises for Whatever the nature of need of the Construction Industry.

Today, over 20,000 equipment are working satisfactorily across the length & breadth of the country in varied applications with the wide spectrum of business segment expertise in CC Roadways – National/ State Highways, Driveways, Road/ Rail-over Bridges, Irrigation Canals/ Dams, Tunnels/ Underground passageways, Railways, Airport Infrastructure, Power Transmission Projects, Buildings & Factories, Industrial Foundations, Renewable Energy projects – Wind farm/ Solar Park projects, Urban Infrastructure Development - Skywalks, Metro Rails/ Fly-overs and so on.

After-Sales Support is the key to success for any business and **AJAX** always believes in the same. **AJAX** has a reliable & unmatched dealer network is spread across the length and breadth of the country including Nepal and Bhutan, ensuring you are never far away from the timely service when required. **AJAX** has a wide geographical spread with over 35+ Dealers across the Country along with over 100 touch points catering to the sales & after-sales support to its customers. Now, **AJAX** has started to spread out its wings entering into the field of International Business and has its Distribution Network in Bangladesh, Sri-Lanka, Myanmar, Mozambique, Philippines, Kenya, Tunisia, UAE, Vietnam, Cambodia, Oman, Uganda, & Egypt.

SELF-LOADING CONCRETE MIXER ARGO SERIES

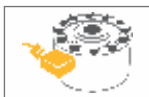
AJAX introduced the Self-Loading Concrete Mixers in India back in 1992. This revolutionized the concrete industry and today AJAX is the global leader in SLCM, with over 19,000 machines delivered to 11,000+ happy customers. AJAX exports SLCMs to many countries in across the world.

Widest Range of SLCM for various applications

Model	Batch Capacity
ARGO 1000	1.0 cu.m
ARGO 2000	2.0 cu.m
ARGO 2500	2.5 cu.m
ARGO 4000	4.0 cu.m
ARGO 4800	4.8 cu.m



SALIENT FEATURES



LOAD CELL WEIGHING SYSTEM

- ♦ Load Cell Weighing System defines a paradigm shift in concreting with a better weighing accuracy
- ♦ Patented in India (patent pending)



3 WAY STEERING AND 4 WHEEL DRIVE

- ♦ 3 way steering ensures tight turning radius and excellent maneuverability, ideal for work in confined spaces
- ♦ Improves tractions while driving off-road



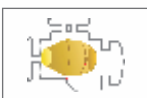
TELEMATICS

- ♦ Telematics help in offline/online monitoring & real-time reporting and tracking / positioning of machines.



AUTO CLEANING SYSTEM

- ♦ Auto clean system for effective cleaning of drum



ELECTRONIC DRUM CONTROL UNIT

- ♦ Change in engine RPM does not affect drum rotation
- ♦ Auto mixing for smooth operation



*Patent Applied for

Swivel Variant available for ARGO 2500, ARGO 4000 and ARGO 4800 models

APPLICATIONS



TECHNICAL SPEC

PARAMETER	ARGO 1000	ARGO 2000	ARGO 2500	ARGO 4000	ARGO 4800
Weighing Technology	Pressure Transducer	Pressure Transducer	Load Cell	Load Cell	Load Cell
Drum Output*	1 cu.m	2 cu.m	2.5 cu.m	4 cu.m	4.8 cu.m
Max. Drum Rotation Speed	20 rpm	22 rpm	22 rpm	22 rpm	20 rpm
Unladen Weight	3210 kg	5531 kg	7165 kg	8110 kg	8930 kg
Bucket Capacity	250 L	320 L	400 L	590 L	625 L
Fuel Tank	40 L	65 L	90 L	110 L	135 L
Water Tank	65 L	360 L	600 L	800 L	850 L
Water Pump Capacity	230 lpm	230 lpm	230 lpm	230 lpm	400 lpm
Gradeability	17°	22°	20°	25.6°	21°
Drive	4 Wheel Drive	4 Wheel Drive	4 Wheel Drive	4 Wheel Drive	4 Wheel Drive
Tyre	10.0 / 75 - 15.3 - 18 PR	12.0 / 75 - 18 - 12 PR	12.5 / 80 - 18 - 14 PR	16.0 / 70 - 20 - 14 PR	400/70 - 20 IND 155 A8
Vehicle Speed	0 - 18 kmph	0 - 22 kmph	0 - 24 kmph	0 - 28 kmph	0 - 29 kmph
Variant	Non-Swivel	Non-Swivel	Non-Swivel / Swivel	Non-Swivel / Swivel	Non-Swivel / Swivel
Available Engines	Mahindra 44.6 hp @ 2300 rpm	Kirloskar 49.5 hp @ 2200 rpm	KOEL 76 hp @ 2200 rpm Bharat Stage-III (CEV) Turbo Charger CAT C4.4 Series 95 hp @ 2200 rpm EU NRMM 97/68/EC Stage 3A Turbo Charger	KOEL 110 hp @ 2500 rpm Bharat Stage-III (CEV) Turbocharged+Intercooled CAT C4.4 Series 113 hp @ 2300 rpm EU NRMM 97/68/EC Stage 3A Turbocharged+Intercooled	KOEL 110 hp @ 2500 rpm Bharat Stage-III (CEV) Turbocharged+Intercooled CAT C4.4 Series 113 hp @ 2300 rpm EU NRMM 97/68/EC Stage 3A Turbocharged+Intercooled

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

BATCHING PLANT CRB SERIES

(Cross-Bin Skip Conveyor Version)

AJAX CRB Batching Plants are the preferred choice of leading RMC companies for over two decades. These plants are known for their higher productivity, energy efficiency, advanced technology, strong build quality and ease of operation.

CRB SERIES

Model	Batch Capacity
CRB 20	20 cu.m/hr
CRB 30	30 cu.m/hr
CRB 45	45 cu.m/hr
CRB 60	60 cu.m/hr
CRB 75	75 cu.m/hr
CRB 90	90 cu.m/hr
CRB 120	120 cu.m/hr



SALIENT FEATURES



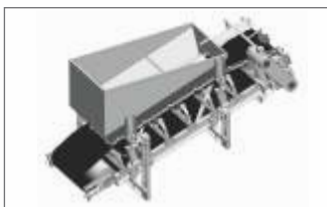
MODULAR DESIGN

- ♦ One Day Erection & Commissioning with integrated skid design; No foundation required
- ♦ Bin with grill mesh to avoid oversize aggregate



SKIP BUCKET WITH DUAL ROPE SYSTEM

- ♦ Better stability & safety of operation is guaranteed



AGGREGATE WEIGHING HOPPER AND CONVEYOR ASSEMBLY

- ♦ Optimal cycle time and increased productivity is ensured along with skip transfer
- ♦ Wider gates for faster discharge of aggregates
- ♦ 4 S-type load cells ensure high weighing accuracy



PLANETARY MIXER

- ♦ High homogeneity of mixing with less total cost of ownership
- ♦ Optimal mixing time with faster discharge
- ♦ Lower power consumption



TWIN SHAFT

- ♦ Robust with unmatched speed to deliver high-strength concrete
- ♦ Compact design with easy installation
- ♦ Hexagonal mixing shafts with a spiral profile blades provides best homogeneity mix



SCADA BASED CONTROL PANEL WITH PLC UNIT

- ♦ Ease of operation with better monitoring & control

APPLICATIONS



Pre-cast



Roads



RMC



Oil & Gas Terminal



Airport Expansion Project



Power Plant



Cement Plant



Irrigation Canal

TECHNICAL SPEC

DESCRIPTION	CRB 20	CRB 20 TM	CRB 30	CRB 45
MIXER				
Model	APM 500 / 330 Planetary Mixer	APM 500 / 330 Planetary Mixer	APM 750 / 500 Planetary Mixer	APM 1250 / 750 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	11 kW & 500L / 330 L	11 kW & 500L / 330 L	18.5 kW & 750L / 500 L	22 kW & 1250L / 750 L
Throughput / Concrete Discharge Height	20 m³/hr / 1.7 m	20 m³/hr / 4 m	30 m³/hr / 4 m	45 m³/hr / 4 m
AGGREGATE STORAGE				
Type	Compartment Bins	Compartment Bins	Compartment Bins	Compartment Bins
No. of Bins / Total Storage Capacity	4 Nos / 10 m³	4 Nos / 10 m³	4 Nos / 20 m³	4 Nos / 32 m³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20%	40 mm / 20%	40 mm / 20%	60 mm / 20%
VOLUME / WEIGHING CAPACITY				
Aggregate	960 kg with density 1400 kg / m³	960 kg with density 1400 kg / m³	1190 kg with density 1400 kg / m³	1650 kg with density 1400 kg / m³
Cement	200 kg	200 kg	350 kg	250 kg
Water	100 L	100 L	180 L	250 L
Admixture	6 L	6 L	6 L	12 L
LOAD CELLS				
Aggregate	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	1 No	1 No	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	25 Tph	25 Tph	25 Tph	60 Tph
Diameter	168 mm	168 mm	168 mm	219 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L	1 STG, 2 CYL Reciprocating & 160 L
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	34 kW & 40 kW	36 kW & 42 kW	46 kW & 66 kW	63 kW & 80 kW
CONTROL PANEL				
Control Panel	DECI plus HMI Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant			

TECHNICAL SPEC

DESCRIPTION	CRB 60	CRB 75	CRB 90	CRB 120
MIXER				
Model	APM 1500 / 1000 Planetary Mixer / ATS 1500 / 1000 Twin Shaft Mixer	ATS 1750 / 1250 Twin Shaft Mixer	ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	18.5x2 kW & 1500L / 1000 L / 37 kW	22 x 2 kW & 1750L / 1250 L	37 x 2 kW & 3000L / 2000 L	55 x 2 kW & 4500L / 3000 L
Throughput / Concrete Discharge Height	60 m ³ /hr / 4 m	75 m ³ /hr / 4 m	90 m ³ /hr / 4.1 m	120 m ³ /hr / 4.1 m
AGGREGATE STORAGE				
Type	Compartment Bins	Compartment Bins	Compartment Bins	Compartment Bins
No. of Bins / Total Storage Capacity	4 Nos / 40 m ³	4 Nos / 40 m ³	4 Nos / 60 m ³	4 Nos / 80 m ³
Maximum Aggregate Size / Maximum Quantity	60 mm / 20%	60 mm / 20%	60 mm / 20%	60 mm / 20%
VOLUME / WEIGHING CAPACITY				
Aggregate	2500 kg with density 1400 kg / m ³	3150 kg with density 1400 kg / m ³	50400 kg with density 1400 kg/m ³	7560 kg with density 1400 kg / m ³
Cement	700 kg	700 kg	1440 kg	1800 kg
Water	300 L	300 L	750 L	900 L
Admixture	12 L	12 L	20 L	20 L
LOAD CELLS				
Aggregate	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	60 Tph	60 Tph	90 Tph	90 Tph
Diameter	219 mm	219 mm	273 mm	273 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 500 L
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	85 kW & 95 kW	96 kW & 134 kW	143 kW & 199 kW	200 kW & 267 kW
CONTROL PANEL				
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant			

BATCHING PLANT

IRB SERIES

(Inline Bin Skip Conveyor Version)

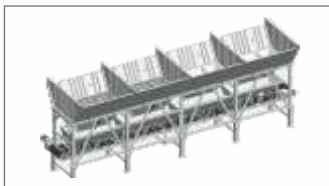
AJAX IRB Batching Plants are the preferred choice of major RMC companies across the country. The high storage capacity bins low energy consumption and SCADA based PLC control system delivers high quality homogeneous concrete consistently.

IRB SERIES

Model	Batch Capacity
IRB 30	30 cu.m/hr
IRB 45	45 cu.m/hr
IRB 60	60 cu.m/hr
IRB 75	75 cu.m/hr
IRB 90	90 cu.m/hr
IRB 120	120 cu.m/hr



SALIENT FEATURES



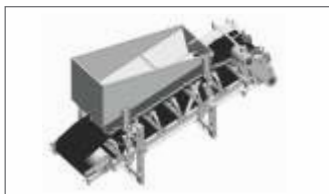
■ INLINE BIN AGGREGATE COMPARTMENT

- ◆ Higher bin capacity for storage of aggregates
- ◆ Grill mesh to avoid oversize aggregate.



■ SKIP BUCKET WITH DUAL ROPE SYSTEM

- ◆ Better stability & safety of operation is guaranteed



■ AGGREGATE WEIGHING HOPPER AND CONVEYOR ASSEMBLY

- ◆ Optimal cycle time and increased productivity is ensured along with skip transfer
- ◆ Wider gates for faster discharge of aggregates
- ◆ 4 S-type load cells ensure high weighing accuracy



■ PLANETARY MIXER

- ◆ High homogeneity of mixing with less total cost of ownership
- ◆ Optimal mixing time with faster discharge
- ◆ Lower power consumption



■ TWIN-SHAFT MIXER

- ◆ Robust with unmatched speed to deliver high-strength concrete
- ◆ Compact design with easy installation
- ◆ Hexagonal mixing shafts with a spiral profile blades provides best homogeneity mix



■ SCADA BASED CONTROL PANEL WITH PLC UNIT

- ◆ Ease of operation with predictive maintenance for better monitoring and control
- ◆ Fully automated control cabin providing realtime monitoring and diagnostics facility along with Report generation

APPLICATIONS



RMC



Canal Lining



Irrigation & Hydro Dam Projects



RMC

TECHNICAL SPEC

DESCRIPTION	IRB 30	IRB 45	IRB 60
MIXER			
Model	APM 750 / 500 Planetary Mixer	ATS 1125/750 Twin shaft mixer	APM 1500 / 1000 Planetary Mixer / ATS 1500 / 1000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	18.5 kW & 750 L / 500 L	22 kW & 1125 L / 750 L	37 kW / 18.5 x 2 kW & 1500 L / 1000 L
Throughput / Concrete Discharge Height	30 m ³ / hr / 4 m	45 m ³ / hr / 4 m	60 m ³ / hr / 4 m
AGGREGATES STORAGE			
Type	In-line Bins	In-line Bins	In-line Bins
No. of Bins / Total Storage Capacity	4 No / 24 m ³	4 No / 24 m ³	4 / 5 Nos / 40 / 50 / 60 m ³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20 %	40 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY			
Aggregate	850 L / 1190 kg with density 1400 kg/m ³	1800 L / 1650 kg with density 1400 kg/m ³	1800 L / 2520 kg with density 1400 kg/m ³
Cement	280 L / 350 kg	438 L / 525 kg	580 L / 700 kg
Water	180 L	250 L	300 L
Admixture	6 L	12 L	12 L
LOAD CELLS			
Aggregate	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No
CEMENT SCREW FEEDER			
Nominal Output	25 Tph	60 Tph	60 Tph
Diameter	168 mm	219 mm	219 mm
AIR COMPRESSOR UNIT			
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 160 L	2 STG, 2 CYL Reciprocating & 220 L
ELECTRICAL LOAD			
Maximum Operational Load & Total Connected Load	50 kW & 70 kW	60 kW & 80 kW	82 kW & 110 kW
CONTROL PANEL			
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant		

TECHNICAL SPEC

DESCRIPTION	IRB 75	IRB 90	IRB 120
MIXER			
Model	ATS 1750 / 1250 Twin Shaft Mixer	ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume / Plastic Concrete)	22 x 2 kW & 1750 L / 1250 L	37 x 2 kW & 3000 L / 2000 L	55 x 2 kW & 4500 L / 3000 L
Throughput / Concrete Discharge Height	75 m ³ / hr / 4 m	90 m ³ / hr / 4.1 m	120 m ³ / hr / 4.1 m
AGGREGATES STORAGE			
Type	In-line Bins	In-line Bins	In-line Bins
No. of Bins / Total Storage Capacity	4 / 5 Nos / 40 / 50 / 60 m ³	4 / 5 Nos / 80 / 100 / 120 m ³	4 / 5 Nos / 80 / 100 / 120 m ³
Maximum Aggregate Size / Maximum Quantity	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY			
Aggregate	2250 L / 3150 kg with density 1400 kg/m ³	3600 L / 5040 kg with density 1400 kg/m ³	5400 L / 7560 kg with density 1400 kg/m ³
Cement	580 L / 700 kg	1200 L / 1440 kg	1500 L / 1800 kg
Water	300 L	750 L	900 L
Admixture	12 L	20 L	20 L
LOAD CELLS			
Aggregate	4 Nos	4 / 8 Nos	4 / 8 Nos
Cement	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No
CEMENT SCREW FEEDER			
Nominal Output	60 Tph	90 Tph	90 Tph
Diameter	219 mm	273 mm	273 mm
AIR COMPRESSOR UNIT			
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 220 L	2 STG, 2 CYL Reciprocating & 500 L	2 STG, 2 CYL Reciprocating & 500 L
ELECTRICAL LOAD			
Maximum Operational Load & Total Connected Load	90 kW & 115 kW	164 kW & 221 kW	210 kW & 271 kW
CONTROL PANEL			
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS	SCADA Based Control System with PLC Unit, PC, Printer and UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant		

BATCHING PLANT

IBP SERIES

(Inline Bin Belt Conveyor Version)

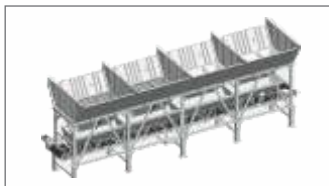
AJAX IBP Batching Plants are the preferred choice of major RMC companies across the country. The high storage capacity bins low energy consumption and SCADA based PLC control system delivers high quality homogeneous concrete consistently.

IBP SERIES

Model	Batch Capacity
IBP 30	30 cu.m/hr
IBP 45	45 cu.m/hr
IBP 60	60 cu.m/hr
IBP 75	75 cu.m/hr
IBP 90	90 cu.m/hr
IBP 120	120 cu.m/hr
IBP 160	160 cu.m/hr
IBP 200	200 cu.m/hr
IBP 240	240 cu.m/hr

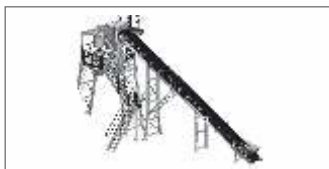


SALIENT FEATURES



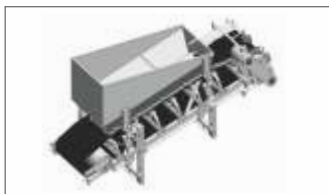
■ INLINE BIN AGGREGATE COMPARTMENT

- ◆ Higher bin capacity for storage of aggregates
- ◆ Grill mesh to avoid oversize aggregate.



■ BELT CONVEYOR

- ◆ Designed to handle capacities for any operation
- ◆ Configured to fit almost any application



■ AGGREGATE WEIGHING HOPPER AND CONVEYOR ASSEMBLY

- ◆ Optimal cycle time and increased productivity is ensured along with skip transfer
- ◆ Wider gates for faster discharge of aggregates
- ◆ 4 S-type load cells ensure high weighing accuracy



■ PLANETARY MIXER

- ◆ High homogeneity of mixing with less total cost of ownership
- ◆ Optimal mixing time with faster discharge
- ◆ Lower power consumption



■ TWIN-SHAFT MIXER

- ◆ Robust with unmatched speed to deliver high-strength concrete
- ◆ Compact design with easy installation
- ◆ Hexagonal mixing shafts with a spiral profile blades provides best homogeneity mix



■ SCADA BASED CONTROL PANEL WITH PLC UNIT

- ◆ Ease of operation with predictive maintenance for better monitoring and control
- ◆ Fully automated control cabin providing realtime monitoring and diagnostics facility along with Report generation

APPLICATIONS



Roads



Canal Lining



Irrigation



Hydro Dam Projects



Urban Infra



Power Plant



Bridges



RMC

TECHNICAL SPEC

DESCRIPTION	IBP 30	IBP 45	IBP 60	IBP 75
MIXER				
Model	APM 750 / 500 Planetary Mixer	ATS 1125 / 750 Twin Shaft Mixer	APM 1500 / 1000 Planetary Mixer / ATS 1500 / 1000 Twin Shaft Mixer	ATS 1750 / 1250 Twin Shaft Mixer
Motor Power & Mixer Capacity (Filling Volume/Plastic Concrete)	18.5 kW & 7500 L / 500 L	22 x 2 kW & 11250 L / 750 L	37kW / 18.5 x 2 kW & 1500 L / 1000 L	22 x 2 kW & 1750 L / 1250 L
Throughput / Concrete Discharge Height	30 m ³ / hr / 4.0 m	45 m ³ / hr / 4.1 m	60 m ³ / hr / 4.1 m	75 m ³ / hr / 4.1 m
AGGREGATES STORAGE				
Type	In-line Bin	In-line Bin	In-line Bin	In-line Bin
No. of Bins / Total Storage Capacity	4 No / 24 m ³	4 No / 24 m ³	4 / 5 Nos / 40 / 50 m ³	4 / 5 Nos / 40 / 50 m ³
Maximum Aggregate Size / Maximum Quantity	40 mm / 20 %	40 mm / 20 %	60 mm / 20 %	60 mm / 20 %
VOLUME / WEIGHING CAPACITY				
Aggregate	3000 liters/4200 kg with density 1400 kg/m ³	3000 liters/4200 kg with density 1400 kg/m ³	3000 liters / 4200 kg with density 1400 kg/m ³	3000 liters/4200 kg with density 1400 kg/m ³
Cement	280 L / 350 kg	438 L / 525 kg	580 L / 700 kg	580 L / 700 kg
Water	180 L	250 L	300 L	300 L
Admixture	6 L	12 L	12 L	12 L
LOAD CELLS				
Aggregate Weighing	4 Nos	4 Nos	4 Nos	4 Nos
Cement	3 Nos	3 Nos	3 Nos	3 Nos
Water	3 Nos	3 Nos	3 Nos	3 Nos
Admixture	1 No	1 No	1 No	1 No
CEMENT SCREW FEEDER				
Nominal Output	25 Tph	60 Tph	60 Tph	60 Tph
Diameter	168 mm	219 mm	219 mm	219 mm
AIR COMPRESSOR UNIT				
Type & Tank Capacity	2 STG, 2 CYL Reciprocating & 160 ltr	2 STG, 2 CYL Reciprocating & 160 ltr	2 STG, 2 CYL Reciprocating & 220 ltr	2 STG, 2 CYL Reciprocating & 220 ltr
ELECTRICAL LOAD				
Maximum Operational Load & Total Connected Load	49 kW & 70 KW	56 kW & 76 kW	78 kW & 100 kW	80 kW & 104 kW
CONTROL PANEL				
Control Panel	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS
Optional Items	Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant			

TECHNICAL SPEC

IBP 90	IBP 120	IBP 160	IBP 200	IBP 240
ATS 3000 / 2000 Twin Shaft Mixer	ATS 4500 / 3000 Twin Shaft Mixer	ATS 6000 / 4000 Twin Shaft Mixer	ATS 7500 / 5000 Twin Shaft Mixer	ATS 9000 / 6000 Twin Shaft Mixer
37 x 2 kW & 3000 L / 2000 L	55 x 2 kW & 4500 L / 3000 L	65 x 2 kW & 6000 L / 4000 L	90 x 2 kW & 7500 L / 5000 L	110 x 2 kW & 9000 L / 6000 L
90 m ³ / hr / 4.1 m	120 m ³ / hr / 4.1 m	160 m ³ / hr / 4.1 m	200 m ³ / hr / 4.1 m	240 m ³ / hr / 4.1 m
In-line Bins	In-line Bins	In-line Bins	In-line Bins	In-line Bins
4 / 5 / 6 Nos / 80 / 100 / 120 m ³	4 / 5 / 6 Nos / 80 / 100 / 120 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³	4 / 5 / 6 Nos / 120 / 150 / 180 m ³
60 mm / 20 %	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %	60 mm / 20 %
4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³	4500 liters/6300 kg + 3000 liters/4200 kg with density 1400 kg/m ³
1200 L / 1440 kg	1500 L / 1800 kg	2000 L / 2400 kg	2000 L / 2400 kg	2000 L / 2400 kg
750 L	900 L	1200 L	1200 L	1200 L
20 L	20 L	30 L	30 L	30 L
4/8 Nos; 3500 kg, S Type	4/8 Nos	4/8 Nos	4/8 Nos	4/8 Nos
3 Nos; 1000 kg, SB type	3 Nos	3 Nos	3 Nos	3 Nos
3 Nos; 500 kg, SB type	3 Nos	3 Nos	3 Nos	3 Nos
1 Nos; 110 kg, SB type	1 No	1 No	1 No	1 No
90 Tph	90 Tph	110 Tph	110 Tph	110 Tph
273 mm	273 mm	323 mm	323 mm	323 mm
2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr	2 STG, 2 CYL Reciprocating & 500 ltr
149 kW & 186 kW	211 kW & 298 kW	271 kW & 291 kW	313 kW & 351 kW	353 kW & 391 kW
SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS	SCADA Based Control System with PLC Unit, PC, Printer & UPS
Screw for Fly Ash, Micro Silica and GGBS, Additional Admixture, Control Panel Upgrade, Customized Control Cabin, Silo and Silo accessories, Blower, Chilling Plant				

TRANSIT MIXERS

AF SERIES

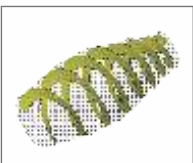
(Truck Mixer Version)

AJAX offers a wide range Transit Mixers, suitable for 3 & 4 axles, BS6 chassis with a range of RMC capacity. The PTO drive based transit mixers with optimized power utilization offer increased payload with lower fuel consumption. Designed with built-in strength and durability, the AJAX Transit Mixers are the perfect choice for all types of construction in rural and urban applications.

AF SERIES	
Model	Capacity
AF 6XE / XP	6 cu.m
AF 7XE / XP	7 cu.m
AF 8XE / XP	8 cu.m
AF 10XP	10 cu.m



SALIENT FEATURES



LONGER DRUM LIFE

- With Optimal Drum Design, drum spirals are incorporated with anit-ware protection strips offering high degrees of wear resistance due to special alloying elements and guaranteed mix homogeneity



ENHANCED QUALITY & LOW TOTAL COST OF OWNERSHIP

- Manufactured from superior grade & high strength steel for enhanced & extended life-cycle with low TCO



BEST SAFETY & DRIVE-ABILITY

- Optimal driving characteristics & improved travel stability even over rough & steep terrains with low overall center of gravity of the mixer due to wide, torsional resistant frame

POWER TAKE-OFF (PTO) VERSION

- Drum can be driven directly from the main engine by using PTO- drive increasing pay-load capability offering Eco friendliness, low maintenance cost, low operational cost

HYDRO-PNEUMATIC PRESSURE TANK

- Designed to maintain on-demand pressurized water without the continuous use of a pump
- Provides efficient water supply to quickly meet system demand with power sourced from truck pneumatic system

TECHNICAL SPEC

DESCRIPTION	AF 6 XE / XP	AF 7 XE / XP	AF 8 XE / XP	AF 10 XP
Nominal Filling Capacity	6000 L (6m ³)	7000 L (7m ³)	8000 L (8m ³)	10000 L (10m ³)
Geometric Volume	11700 L	12885 L	14450 L	17580 L
Water Line Volume	7350 L	8183 L	9315 L	11463 L
Filling Ratio	51.3%	54%	55%	57%
Rotation Speed	0-12 rpm	0-12 rpm	0-12 rpm	0-12 rpm
Drum Diameter	2300 mm	2300 mm	2300 mm	2300 mm
Rollers	2 nos	2 nos	2 nos	2 nos
Water Jet / Output at 5 to 6 bar	250 - 300 L / min	250 - 300 L / min	250 - 300 L / min	250 - 300 L / min
Water Tank Capacity (with water level indicator)	450 / 500L	450 / 500 L	450 / 500 L	450 L

Drive
Truck PTO Separate Engine Drive



APPLICATIONS



Irrigation & Hydro Dam Projects



Roads



Bridges



Buildings

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 applications.

ASP SERIES

Model	Output
ASP 3009	30 cu.m/hr
ASP 4011	40 cu.m/hr
ASP 5009	50 cu.m/hr
ASP 6011 E	55 cu.m/hr
ASP 7011	70 cu.m/hr
ASP 10012	105 cu.m/hr



SALIENT FEATURES



PUMPING UNIT

- Designed for powerful pump operation with maximum pump output and cost effective operation
- All components are compactly well integrated and encased in a state-of-the-art Light weight FRP structure



S-VALVE TECHNOLOGY

- Efficient pump design results in free-flow of concrete without choking due to reduced frictional resistance
- Highly reliable in rugged site conditions & Low Total Cost of Ownership (TCO)



REMOTE CONTROL

- The state-of-the-art radio remote-control allows sensitive communication of all commands to the machine from a clearly arranged operator's position
- Greater mobility is enhanced with 100m operating range



AUTO LUBRICATION SYSTEM

- Facilitates hassle-free maintenance of wear & tear parts
- Increases the life and overall productivity of the equipment

TECHNICAL SPEC

DESCRIPTION		ASP 3009	ASP 4011	ASP 5009	ASP 6011 E	ASP 7011	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	Diesel Engine 6 Cylinder Air Cooled 100 hp @ 2100 rpm	Diesel Engine 6 Cylinder Water Cooled 170 hp, TI @ 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	105 m ³ / hr
	Piston Side	NA	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	66 bar
	Piston Side	NA	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	NA	20 per min	20 per min	14 per min	18 per min	20 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 ST1400 mm	ø 200 x 1400 mm	ø 200 x 1600 mm
Hydraulic System Pressure		280 bar	350 bar	350 bar	350 bar	350 bar	330 bar
Hopper Capacity		450 L	600 L	600 L	600 L	600 L	600 L
Distribution Valve		S 2018	S 2018	S 2018	S 2018	S 2018	S 2018
Gross Weight		3000 kg	4000 kg	4000 kg	3800 kg	5000 kg	5600 kg
Optional Items		Auto-lubrication system, Cable remote control					

APPLICATIONS



Irrigation Structures



Water Treatment Plant



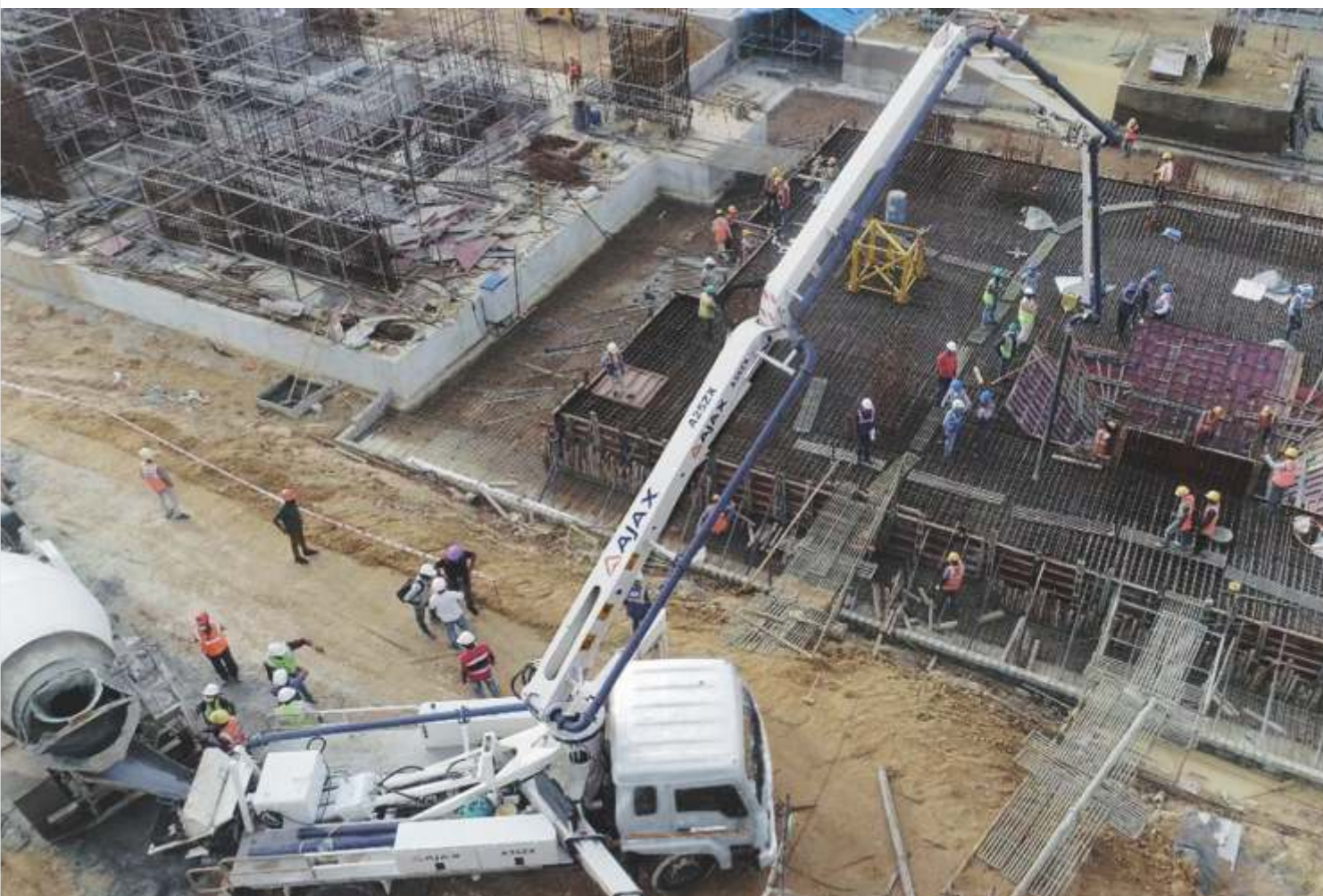
High-rise Buildings



Irrigations



Commercial



BOOM PUMPS

AZX SERIES

(Truck Mounted Version)

AJAX launched the first 25m & 30m concrete boom pumps on 4x2 chassis, making them the most compact and versatile boom pumps in the industry. With best-in-class fuel efficiency, lower maintenance costs and higher productivity, AJAX Boom pumps offer the best return of investment.

AZX SERIES

Model	Reach Height
A25ZX	24.15 m
A30ZX	29.15 m

SALIENT FEATURES



BOOM OPERATION & CONTROL

- ◆ 4 Arm Z fold type Boom, mountable on a 4x2 chassis offers minimal foot Print & increased flexibility best suited to work in tight spaces
- ◆ X type outriggers offers great deal of stability with maximum safety



AJAX TWIN LAYER PIPE LINE

- ◆ The thick-walled concrete pipes and elbows offer excellent resistance against high velocity and turbulence of abrasive concrete and has 4-4.5 times longer life as compared to conventional ST52 pipes.



S-VALVE TECHNOLOGY

- ◆ Efficient pump design results in free-flow of concrete without choking due to reduced frictional resistance
- ◆ Highly reliable in rugged site conditions & Low Total Cost of Ownership (TCO)



AUTO LUBRICATION SYSTEM

- ◆ Facilitates hassle-free maintenance of wear & tear parts
- ◆ Increases the life and overall productivity of the equipment



RADIO REMOTE-CONTROL

- ◆ The state-of-the-art radio remote-control of the concrete pump allows sensitive communication of all commands to the machine from a clearly arranged operator's position.

TECHNICAL SPEC

DESCRIPTION	Unit
Max Concrete o/p (Rod)	70 m ³ / hr
Max Concrete o/p (Piston)	48 m ³ / hr
Max Concrete Pressure (Rod)	71 bar
Max Concrete Pressure (Piston)	106 bar
Pump Cycles (Rod)	26 per min
Pump Cycles (Piston)	18 per min
Max Hydraulic Pressure	350 bar
Hopper Capacity	600 L

DESCRIPTION	A25ZX	A30ZX
Reaching height (Vertical)	24.15 m	29.15 m
Horizontal reach (from Center of slewing axis)	20 m	25 m
Reach depth	14.7	17.7
Slewing angle	365°	365°
1st folding angle	96°	96°
2nd folding angle	180°	180°
3rd folding angle	270°	254°
4th folding angle	270°	270°
No. of articulations	4	4

Optional Features

Work Light on 4th arm, Hopper Vibrator, Safe Concreting Zone (SCZ)

APPLICATIONS



Metro Rails



Commercial RMC



Bridges and Flyovers



Industrial Foundation



Casting Yard



Irrigation



Buildings



SELF-PROPELLED BOOM PUMP

SPBP ZX SERIES

A pioneering effort from AJAX has redefined the Boom Pump with a first-of-its-kind Self Propelled Boom Pump that is way ahead in performance, productivity, flexibility and applications compared to conventional Boom Pumps, available in the industry. Its a game changer, that offers advantages to your business.

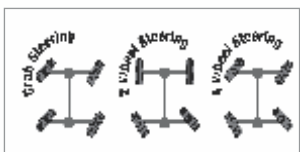
SPBP	
Model	Reach Height
SPBP 25ZX	24.1 m

SALIENT FEATURES



BOOM OPERATION & CONTROL

- 4 Arm Z fold type Boom, mountable on a 2-Axle chassis configuration offers minimal foot-print & increased flexibility best suited to work in tight spaces
- X type outriggers offers great deal of stability with maximum safety



3 WAY STEERING & 4 WHEEL DRIVE

- Ensures tight turning radius and excellent maneuverability, ideal to work in confined spaces, off-roads & tough terrains with good traction & better gradeability



PUMPING UNIT

- Optimized Pumping Kit designed for powerful pump operation with maximum pump output and cost effective operation
- All components are compactly well integrated and encased in a state-of-the-art Light weight FRP structure



S-VALVE TECHNOLOGY

- Efficient pump design results in free-flow of concrete without choking
- Highly reliable in rugged site conditions owing to Hydraulic Switching in S-Valve operations with open circuit
- Low Total Cost of Ownership (TCO) - Extreme low wearing due to the low friction design



LARGELY-DIMENSIONED HYDRAULIC CYLINDERS & OPTIMIZED HOPPER

- Large-sized suction openings on the cylinder facilitate smooth pump operation and outstanding suction performance
- Reduced deposition of concrete due to optimized forming of the discharge hopper & improved concrete flow due to individually powered agitator paddles

APPLICATIONS



Commercial RMC



Aqueduct



Residential Buildings



PMAY (U) Projects

TECHNICAL SPEC

DESCRIPTION		SPBP 25ZX
Chassis	Wheel Base, Front overhang	4275 mm, 1000 mm
Engine	Engine Model	Diesel engine 4 cylinder turbocharged intercooled, 110 hp @ 2500 rpm BSIII emission compliant
Concrete Pump	Concrete output (max.) Rod side	66 m ³ / hr
	Concrete output (max.) Piston side	46 m ³ / 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
Boom	Hopper capacity, Distribution valve	600 L, S 2018
	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 angle	365°
	1st folding angle	96°
	2nd folding angle	180°
	3rd folding angle	270°
	4th folding angle	270°
No. of articulations		4
Optional Features		Safe Concreting Zone (SCZ), Spare Wheel



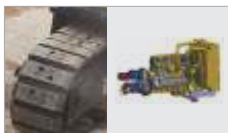
SLIP-FORM PAVER

SPX SERIES

AJAX is renowned for its in-house engineering expertise and is proud to introduce the first Slip-Form Paver designed, engineered and manufactured in India. It is a versatile machine for concrete paving projects and is the best solution for your paving needs.

PAVER	
Model	Paving Width
SPX 754	2.5 - 7.5 m
SPX 1204	5 - 12 m

SALIENT FEATURES



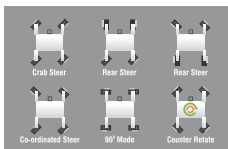
TRACK WITH SLEWING DRIVE & HYDRAULIC SYSTEM

- ◆ Slewing drive for steering of tracks fitted with highly wear resistant polyurethane pads
- ◆ Hydraulic System with a 3 pad pump drive along with 6 pumps



ACKERMAN STEERING MECHANISM

- ◆ Intelligent steering system ensures high precision while working around bends and radius and the movement of the tracks can be monitored



PRE-PROGRAMMED STEERING MODE

- ◆ Co-ordinated Steer, Front Steer, Rear Steer, Crab Steer with two Steering Sensors, Leveling Sensors and Four Leveling Sensors



USER FRIENDLY DASHBOARD

- ◆ HMI - Control System & Electrical CAN Bus System for ease of operation with predictive maintenance for better monitoring and control



SPREADER PLOUGH, STRIKE OFF BAR, PAVING KIT, ELECTRICAL VIBRATORS & SUPER SMOOTHER

- ◆ For spreading of concrete, moving excess concrete, concrete slab leveling, concrete consolidation as well as smooth surface finish respectively



DOWEL BAR INSERTER, SIDE TIE BAR INSERTER & CENTRAL TIE BAR INSERTER

- ◆ For increasing load transfer efficiency as well as maintaining aggregate interlock respectively



SWING LEGS

- ◆ For moving the tracks inwards or outwards for easy adjustment as per site conditions

TECHNICAL SPEC

DESCRIPTION	SPX 754	SPX 1204
DIESEL ENGINE		
Manufacturer	CATERPILLAR	CATERPILLAR
Type	C7.1	C9
Cooling	WATER	WATER
Qty. of Cylinders	6	6
Rated output	168 / 225 kW / hp	240 / 325 kW / hp
Speed	2000 rpm	2000 rpm
Displacement	7013 cc	8800 cc
CONCRETE PAVING KIT		
Working width	2.5 - 7.5 m	5 - 12 m
Paving thickness	Up to 500 mm	Up to 500 mm
ADVANCE DRIVE		
Working speed	0 - 7 m/min	0 - 10 m/min
Traveling speed	0 - 20 m/min	0 - 25 m/min
ELECTRICAL SYSTEM		
Voltage	24 V DC	24 V DC
Electric Vibrators	110 V AC, 3 Phase, 200 Hz	110 V AC, 3 Phase, 200 Hz
CRAWLER UNITS		
No. of Tracks	4	4
Crawler unit from (L x W)	2095 x 305 mm	2415 x 400 mm
Stroke of leveling cylinders	1100 mm	1000 mm
FILLING CAPACITIES		
Fuel tank	400 L	600 L
Hydraulic oil tank	580 L	760 L
Water tank	500 + 500 L	500 + 500 L
VIBRATION UNIT		
Vibration	Electric	Electric
Slipform poker vibrator	Curved (D76)	Curved (D76)
Qty. of poker vibrators	24	32
Electrical Drive power	60 kVA	80 kVA
WEIGHT		
Operational Weight	48000 kg	78000 kg
TRANSPORTATION DIMENSIONS		
Basic machine min. (L x W x H)	13520 x 3100 x 3150 mm	11590 x 3560 x 3500* mm
Basic machine min. (L x W x H)		15590 x 3560 x 3500** mm

* 5m Paving width, **9m Paving width

The Next-Gen 360° Concreting Solutions



AUTHORISED DEALER

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



Self-Loading
Concrete Mixer



Batching Plant



Transit Mixer



Concrete Pump



Boom Pump



Self-Propelled
Boom Pump



Concrete
Slip-Form Paver

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MAKES CONCRETE SENSE