

DX CONCRETE PUMPS

DX 700 / DX 707 / DX 1004 / DX 1807 / DX 1807 RMC /
DX 1407 HR / DX 1408 HD



- ✓ Proven S Valve Technology
- ✓ Simple & Rugged Hydraulics
- ✓ High Quality Wear Parts
- ✓ Auto Greasing
- ✓ Extensively Field Validated
- ✓ Competitive Pricing

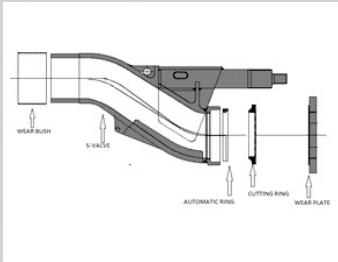


**KANDHAN
EQUIPMENTS**

Passion For Engineering

— www.kandhanequipments.com —

Salient Features



Globally Proven S-Valve Technology

- ✓ Our DX Concrete Pump built with S-valve technology enables larger production at greater heights through pumping at higher concrete pressures. Conversely, the concrete pump employing S-valve technology has less wear and tear, which lowers operating expenses.



Metallurgy

- ✓ Superior metallurgy and simple bearing design offers best in class service performance and lowest maintenance cost.
- ✓ Critical parts are made with high wear resistant materials to withstand the pressurized concrete flow, with an average life of over 100000 cubic meter.



Hopper

- ✓ Specially designed hopper, agitator and hopper profile improves the suction performance and ensures the various mix designs handling.
- ✓ Low lying agitator with two high torque motors handles mix design with up to 40mm aggregates.



Automatic greasing system

- ✓ Automatic greasing system ensures required lubrications in the critical parts and reduces wear and tear.



Hydraulics

- ✓ Specially developed hydraulic circuit for handling harsh mix design widely in use, KEPL uses the best suitable system for a particular KW range and applications.

Control Panel

- ✓ Fitted with Engine running hours and Pumping Hours meter, Wired Remote Control and optional IoT features.



Concrete RAMS or Pistons

- ✓ Quickly replaceable hard rubber rams with metal core designed to withstand high pressure & high wear resistance.



DX 700 / DX 707 / DX 1004 / DX 1807



DX 1004

- ✓ 49KW drive power
- ✓ 50 m³ per hour
- ✓ Twin cylinder
- ✓ S-Valve pump
- ✓ Extensively field validated

DX Pump Series	700	707		1004		1807	
PARAMETERS	Values	Values		Values		Values	
	Piston Side	Rod Side	Piston Side	Rod Side	Piston Side	Rod Side	Piston Side
Differential cylinder drive	Piston Side	Rod Side	Piston Side	Rod Side	Piston Side	Rod Side	Piston Side
Maximum theoretical output(m ³)	27	40	27	51	34	71	47
Maximum concrete pressure(bar)	74	57	85	57	85	71	105
Maximum number of strokes	25	30	20	27	18	27	18
Maximum horizontal placing distance(m)*	300	300	430	300	430	450	650
Maximum vertical placing distance(m)*	80	80	120	80	120	105	160
Delivery cylinder diameter x stroke	180x700	200x700		200x1000		200x1400	
Engine	Koel/equivalent	Koel/equivalent		Koel/equivalent		Koel/equivalent	
Drive power	35KW	49KW		49KW		75KW	
Hydraulic circuit	Open (OPS250)	Open (OPS250)		Open (OPS250)		Open (TPS600)	
Volume of hopper(litre)	350	600		600		600	
Type of valve	S	S		S		S	
Weight (Kg)	2700	3200		3500		4000	
Hopper feeding height(m)	1.05	1.35		1.3		1.3	

* The stated pumping distances should only be used as a reference. The pipe line diameter, concrete mix design, and the quality of the pipelines' wall may affect the distances that concrete can travel.

* Maximum output & distance cannot be achieved simultaneously



DX 1807 RMC / DX 1407 HR / DX 1408 HD



- ## DX 1807 RMC
- ✓ Built for High-Life cycle
 - ✓ Suitable for High Rise Building and RMC Business

DX Pump Series	1807 RMC		1407 HR		1408 HD	
	Values		Values		Values	
PARAMETERS	Rod Side	Piston Side	Rod Side	Piston Side	Rod Side	Piston Side
Differential cylinder drive						
Maximum theoritical output(m ³)	58	38	71	47	79	53
Maximum concrete pressure(bar)	80	118	71	105	106	157
Maximum number of strokes	27	18	27	18	30	20
Maximum horizontal placing distance(m)*	500	750	450	650	650	1100
Maximum vertical placing distance(m)*	120	180	105	160	160	230
Delivery cylinder diameter x stroke	180x1400		200x1400		200x1400	
Engine	Koel/equivalent		Koel/equivalent		Koel/equivalent	
Drive power	75KW		108KW		132KW	
Hydraulic circuit	Open (TPS600)		Open (TPS600)		Open (TPS600)	
Volume of hopper(litre)	600		600		600	
Type of valve	S		S		S	
Weight (Kg)	4000		4000		4000	
Hopper feeding height(m)	1.3		1.3		1.3	

* The stated pumping distances should only be used as a reference. The pipe line diameter, concrete mix design, and the quality of the pipelines' wall may affect the distances that concrete can travel.

* Maximum output & distance cannot be achieved simultaneously

On-Site Gallery of KE 350D, DX 700 & DX 1004



Passion For Engineering

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SCAN ME



KE-DX-2024

Concrete Batching Plants & Its Solutions:

Our range of Concrete batching plants such as CP 30, IP 30, IP 60 and IP 60 + are capable to meet the various concrete production demands of Building Projects, Bridge Projects and Ready Mix Concrete supply. We guarantee you not only the products, but also provide relevant solution in the Concrete Batching. Simply you can call us a "Solution Provider". Our design integration method ensures the plant life more durable under harsh working condition and achieves concrete homogeneity in set time.

TECHNICAL SPECIFICATIONS			
Description	CP 30	IP 30	IP 60/IP 60+
Mixer	Pan/TS	Pan/TS	TS
Mixer Capacity	0.5 m ³	0.5 m ³	1 m ³
Aggregate Storage	4 Quad Bins	4 InlineBins	4 InlineBins
Aggregate Weighing	Conveyor	Conveyor	Conveyor
Aggregate Capacity per bin	5 m ³	7.5 m ³	10 m ³
Maximum size of Aggregates	40 mm	40 mm	40 mm
Theoretical Output	30 m ³ /hr	30 m ³ /hr	60/65 m ³ Per hour
Discharge Height	4m	4m	4m
Maximum Aggregate Weighing	1250 Kg	1250 Kg	2000 Kg
Maximum Cement Weighing	250 Kg	250 Kg	600 Kg
Maximum Water Weighing	150 Kg	150 Kg	300 Kg
Operating Voltage & Frequency	415 V ± 10 V , 50 Hz	415 V ± 10 V , 50 Hz	415 V ± 10 V , 50 Hz
Cement/Filler Weighing System	Yes	Yes	Yes
Water Weighing System	Yes	Yes	Yes
Admixture Weighing System	Yes	Yes	Yes
Screw Conveyor for Cement (168/219)	OPTIONAL	OPTIONAL	OPTIONAL
Control system	SCADA based	SCADA based	SCADA based
IoT - Smart Monitoring	OPTIONAL	OPTIONAL	OPTIONAL

* IP 60 + specifications includes IP 60 with waiting hopper structure. Theoretical Output is 65 m³/hour.



Twin Shaft Mixer



- Advanced system of Mixer
- Best in class mixer
- Fast Discharge system
- Guaranteed motor capacity and reduction gear box
- Auto-Lubricated system

Pan Mixer



- Ensures the quality
- Good discharge system
- Guaranteed motor Capacity and reduction gear box
- Industrial-Friendlier

Control System

- SCADA based control system
- Fully Automatic Microprocessor, PLC based



Inline Storage Bin



- Made of rigid frame structures
- Built with conveyor system
- Expanded storage capacity
- Controlled discharge system
- Provision of Four Bins

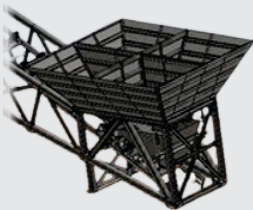


Cement-Silo Feeding System



- High Quality of Blower and Pumping system is provided
- System ensures the passing of the material (Cement/Fly Ash) in safe

Compact Storage Bin



- Made of Rigid frame structure
- Expanded storage capacity
- Controlled discharge system

Weighing System



- Approved load cells & weighing system
- All ingredients are weighed while batching system
- Reliable Weighing system
- Expanded Weighing capacity

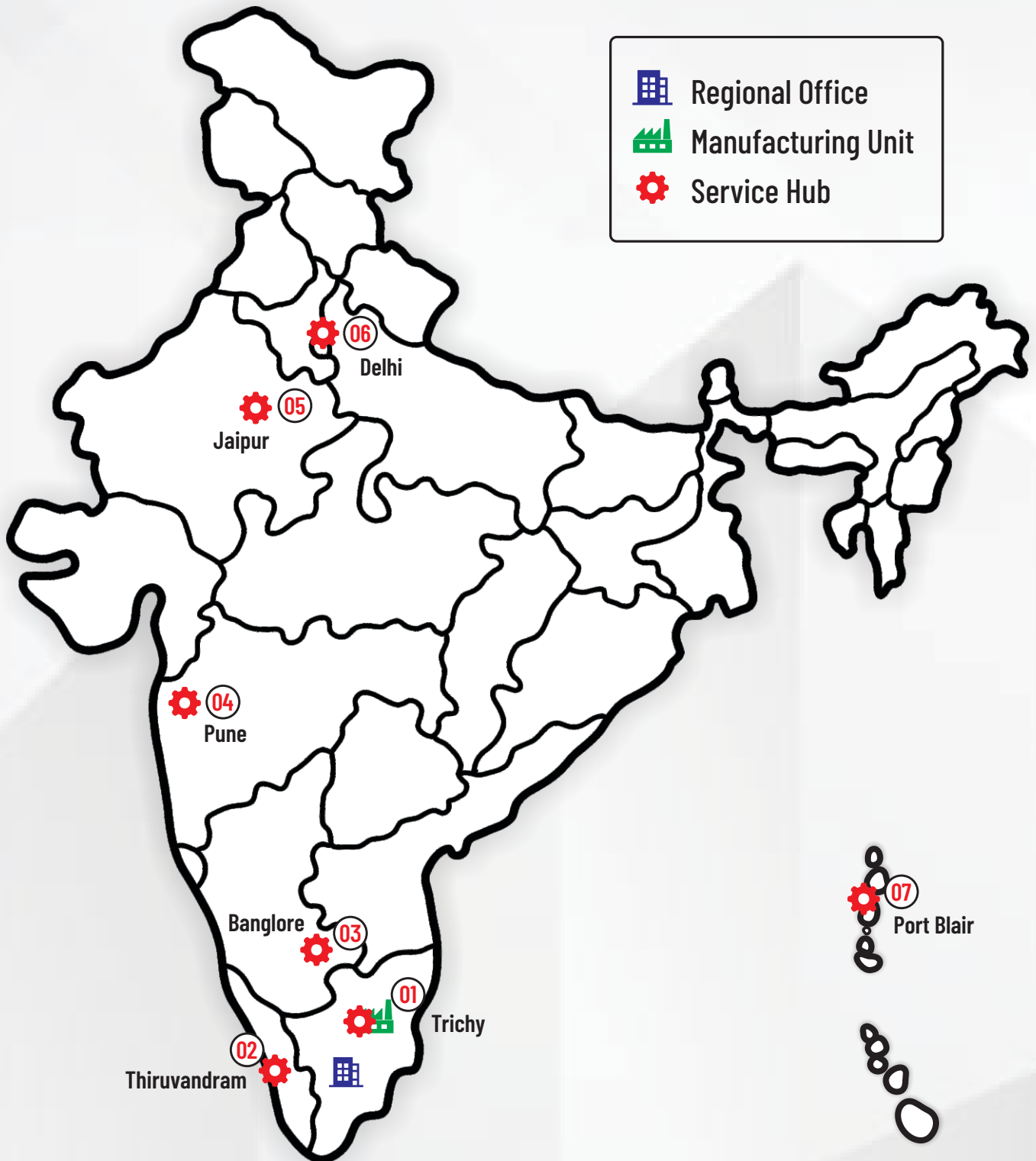
Screw Conveyor



- Available at different sizes
- Guaranteed motor capacity



Technical Support Locations



For more Technical Support our well-experienced Sales & Service teams are available at Service Hubs.

Kandhan Equipments Private Limited

No:2, SIDCO Industrial Area, Thuvakudi, Trichy-620 015.

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