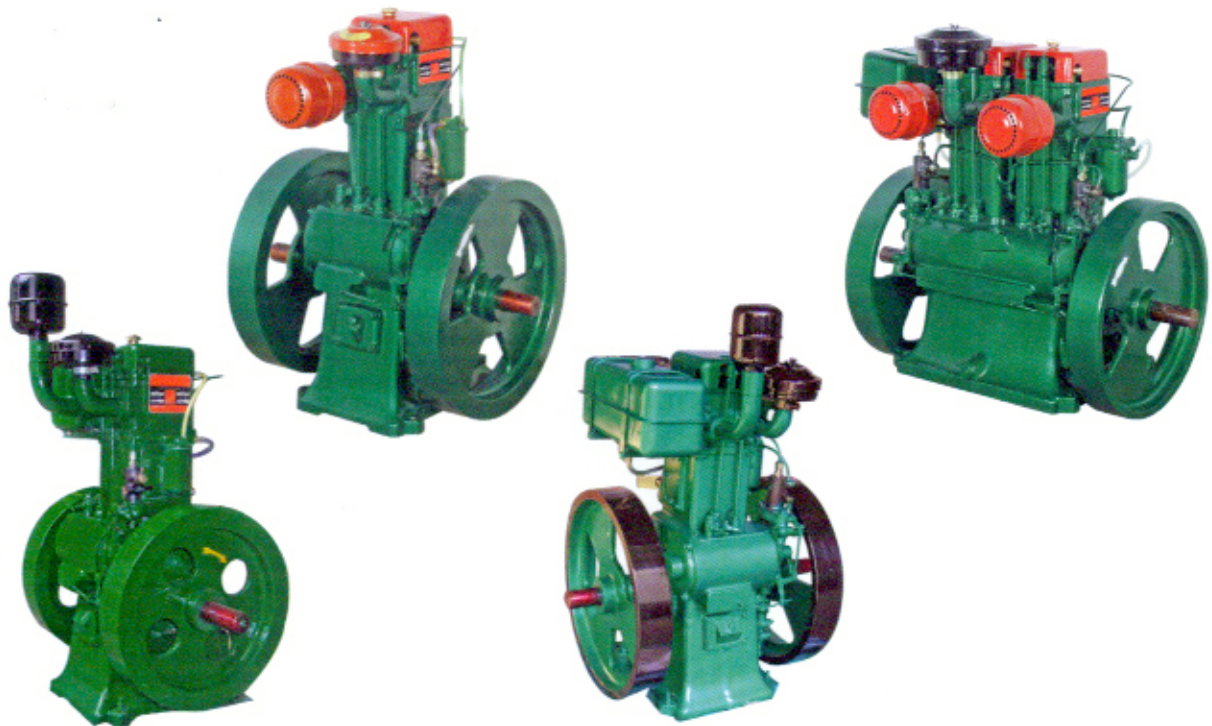


Slow Speed Diesel Engine



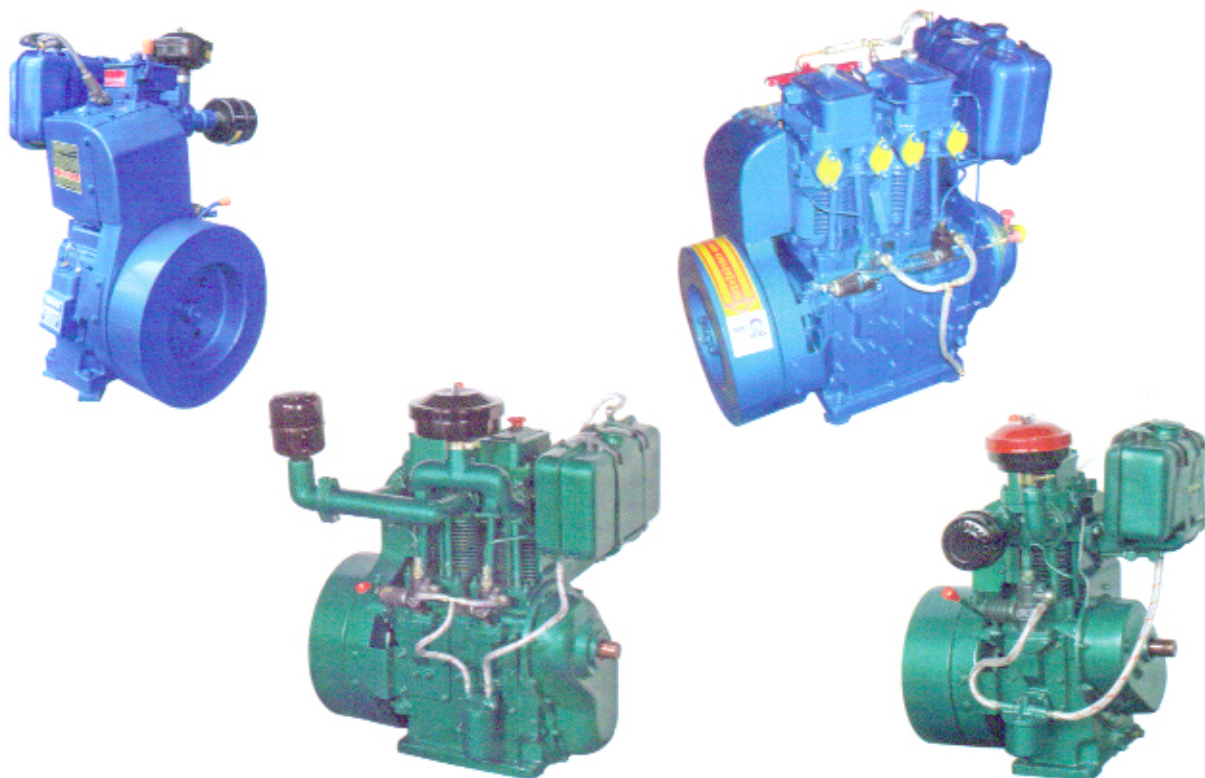
Technical Specification:

MODEL NO	UNIT	CAIL-6	CAIL-8	CAIL-10	CAIL-12	CAIL-14	CAIL-16	CAIL-16	CAIL-20
Engine Type *		BB/TRB	BB/TRB	TRB	TRB	TRB	TRB	BB	BB
Cooling Type		Water Cool	Water Cool	Water Cool	Water Cool	Water Cool	Water Cool	Water Cool	Water Cool
Rated Power	HP / kW	6/4.4	8/5.9	10/7.35	12/8.8	14/10.3	16/11.77	16/11.77	20/14.7
Rated Speed (RPM)	RPM	650	850	1000	1000	1000	1000	850	1000
No. of Cylinders		1	1	1	1	1	1	2	2
Cylinder Bore (mm)	in MM	114.3	114.3	120	127	127	130	114.3	120
Stroke (mm)	in MM	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
Compression Ratio		17:01	17:01	17:01	17:01	16:01	15:01	17:01	17:01
SFC at Full Load	G/Kwh	268	268	268	240	240	240	268	268
Injection System		IDI	IDI	IDI	DI	DI	DI	IDI	IDI
Weight (Net/Gross)	in KGS	280 / 395	280 / 395	290 / 405	385 / 520	385 / 520	395 / 530	490 / 615	520 / 625
Dimensions (L x W x H)	in Cms.	92x61x102	92x61x102	92x61x102	114x96x74	114x96x74	114x96x74	127x61x102	127x61x102

TRB : Tapper Roller Bearing , BB : Brass Busing , IDI : Indirect Injection , DI : Direct Injection

Note: Owing to Continuous R & D specification are subject to change without prior notice

High Speed Diesel Engines



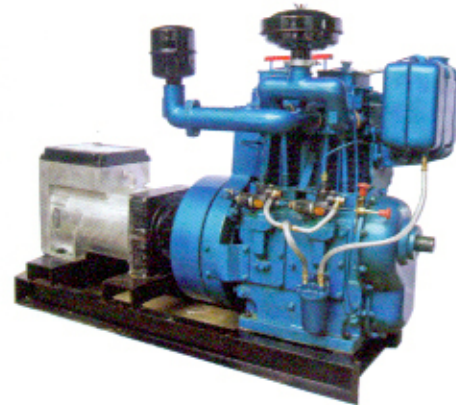
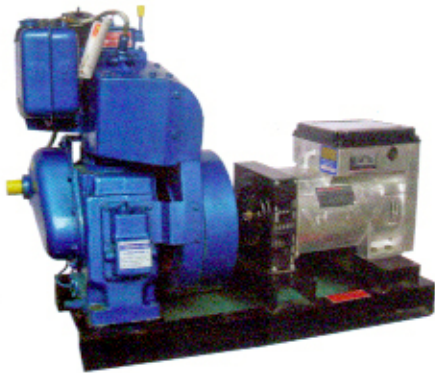
Technical Specification:

MODEL NO	UNIT	CAIP-3.5	CAIP-5	CAIP-6.5	CAIP-7.5	CAIP-8	CAIP-10	CAIP-12.5	CAIP-16	CAIP-20
Engine Type		TRB	BB / TRB	BB / TRB	BB / TRB	BB / TRB	BB / TRB	BB / TRB	BB	BB
Cooling Type		A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c	A/c or W/c
Rated Power (HP / W)	Kw/Bhp	2.6/3.5	3.7/5.0	4.8/6.5	5.5/7.5	5.9/8.0	7.35/10	9.2/12.5	16 / 11.8	20 / 14.8
Rated Speed	RPM	1500	1500	1500	1500	1500	1500	1500	1500	1500
No. of Cylinder		One	One	One	One	One	One	One	Two	Two
Bore	In mm	76	80	85	87.5	95	102	114.3	95	102
Stroke	In mm	76	110	110	110	110	110	110	110	110
Fuel Tank Capacity	Litre	3.5	6	6	9	9	9	9	12	12
Compression Ratio	1	18:01	16.5:1	17.9:1	15.9:1	15.6:1	16.6:1	15.7:1	15.9:1	16.6:1
Weight : Net / Gross	Kg.	91/120	149 / 205	149 / 205	149/205	168/225	182/235	205/260	275/370	295/390
Packing Case Size(LXWXH)	Cms.	52x58x74	66x67x89	66x67x89	66x67x89	66x67x89	66x67x89	66x67x89	92x61x89	92x61x89

TRB : Tapper Roller Bearing , BB : Brass Busing , A/c : Air Cool , W/c : Water Cool

Note: Owing to Continuous R & D specification are subject to change without prior notice

Generators



Technical Specification:

DESCRIPTION	CAI-GN-03	CAI-GN-05	CAI-GN-7.5		CAI-GN-10		CAI-GN-15	
Kva	3.00	5.00	7.50		10.00		15.00	
Phase	1	1	1	3	1	3	1	3
K.Watts	3	5	7.5	6	10	8	15	12
Volts	220	220	220	415	220	415	220	415
Hz	50	50	50		50		50	
Diesel Engines	5 HP	8 HP	10 HP		16 HP		25 HP	
No. of Cylinders	One	One	One		Two		Two	
Rate Speed	1500	1500	1500		1500		1500	
Fuel Tank Capacity	12	12	12		12		12	
Type	Air Cool	Air Cool	Air Cool		Air Cool		Air Cool	
Qty in 20" Fcl	24	24	24		16		16	

Pumping Sets



Technical Specification:

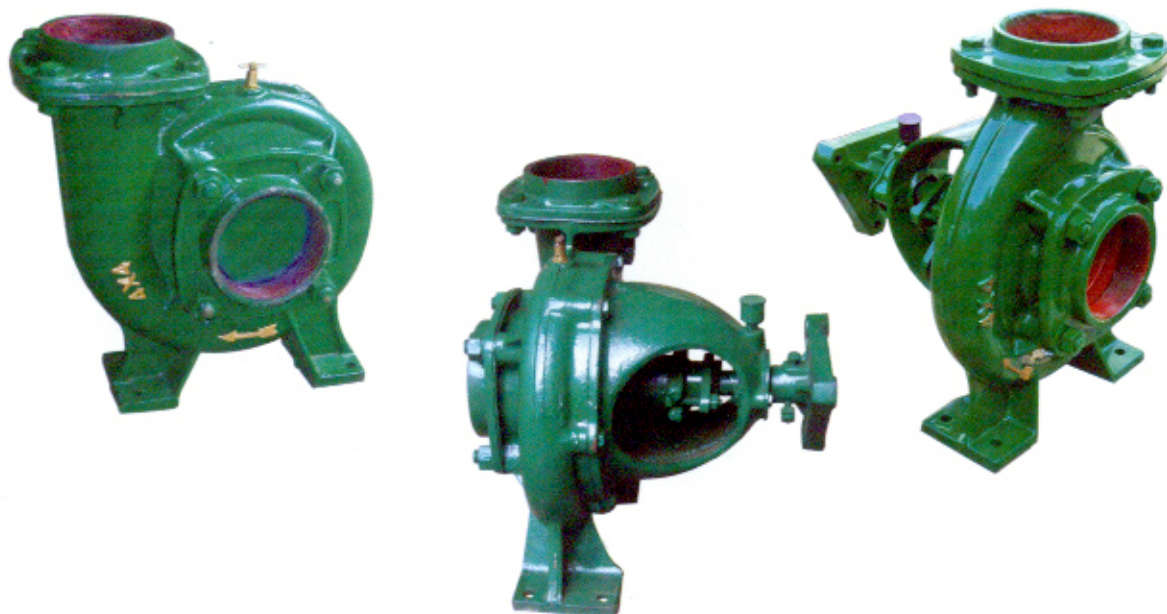
MODEL NO.	ENGINE TYPE	COOLING TYPE	RATED POWER (HP/W)	RATED SPEED	DELIVERY End	CASING TYPE	PUMP SIZE (Suc x Del)	EFFICIENCY	HEADS IN Mtr.	DISCHARGE OF WATER	WEIGHT NET/ GROSS	PACKING CASE SIZE (LXWXH)
			Kw/Bhp	RPM			In MM	in %		In Litre / Sec	Kg.	Cm.
CAI - 3.5 AC/WC	TRB	A/c & W/c	3.5	1500	Side/Center	Split/Volute	65 x 50	64	7 to 10	11.10 to 6.00	140/190	90x55x80
CAI - 5 AC/WC	TRB	A/c & W/c	5	1500	Side/Center	Split/Volute	80 x 65	65	12 to 18	22.00 to 10.00	215/280	94x57x82
CAI - 5 AC/WC	BB / TRB	A/c & W/c	5	1500	Side/Center	Split/Volute	75 x 65	72	14 to 18	21.00 to 9.00	215/280	94x57x82
CAI - 5 AC/WC	BB / TRB	A/c & W/c	5	1500	Side/Center	Split/Volute	75 x 75	70	12 to 17	24.50 to 12.00	215/280	94x57x82
CAI - 6.5 AC/WC	BB / TRB	A/c & W/c	6.5	1500	Side/Center	Split/Volute	75 x 75	70	13 to 18	25.00 to 12.5	215/280	94x57x82
CAI - 6.5 AC/WC	BB / TRB	A/c & W/c	6.5	1500	Side/Center	Split/Volute	100 x 100	76	08 to 05	33.00 to 17.00	215/280	94x57x82
CAI - 8 AC/WC	TRB	A/c & W/c	8	1500	Side/Center	Split/Volute	100 x 100	71.5	09 to 05	38.00 to 28.00	265/330	94x57x82
CAI - 10 AC/WC	BB / TRB	A/c & W/c	10	1500	Side/Center	Split/Volute	100 x 100	68.5	09 to 16	43.40 to 32.20	285/350	98x59x84

TRB : Tapper Roller Bearing , BB : Brass Busing , A/c : Air Cool , W/c : Water Cool

Center & Split Casing type Pumps are available on request

Note: Owing to Continuous R & D specification are subject to change without prior notice

Centrifugal Pumps



Technical Specification:

MODEL	SIZE IN mm	SIZE IN Inch	SPEED RPM	PRIME MOVER KW / HP		TOTAL HEAD IN METER											
						6	7	8	9	10	11	12	13	14	15	16	17
CAIVS-2	80 x 80	3X3	1500	3.7 / 5	Discharge in LPS								21.5	20.5	18.5	16.5	14
CAIVS-3	100 x 100	4X4	1500	4.8 / 6.5					32.5	31	28.5	25.5	21				
CAIVS-4	125 x 125	5X5	1500	5.9 / 8		48	46	36	30	26							
CAIVS-5	150 x 150	6X6	1500	5.9 / 8		52	46	40	31								
CAIVS-5	150 x 150	6X6	1500	7.35 / 10		60	56	52	45	37							

Centrifugal Pumps



Technical Specification:

MODEL	SIZE IN mm	SIZE IN Inch	SPEED RPM	PRIME MOVER KW / HP	Discharge in LPS	TOTAL HEAD IN METER																
						10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
CAISD-1	65 x 50	2 ½ x 2	1450	5.9 / 8					17		15			14				19	18	17.5	16	13.5
CAISD-1	65 x 50	2 ½ x 2 ½	1450	5.9 / 8														19.5	19	18	17	14.5
CAISD-2	80 x 65	3 x 2 ½	1450	5.9 / 8									22.5	21	18.5	17	10	8				
CAISD-2	80 x 80	3 x 3	1450	5.9 / 8									23	21.5	20	18	11					
CAISD-3	100 x 80	4 x 3	1450	7.35 / 10						38	36.5	34.5	33.5	32.5	28.5	21	13					
CAISD-3	100 x 100	4 x 4	1450	7.35 / 10						40	38	36	34.5	32.5	31	23	14					
CAISD-4	125 x 100	5 x 4	1450	8.8 / 12				56	53	49	45	41	37	30	23							
CAISD-4	125 x 125	5 x 5	1450	7.35 / 10				50	47	40	37	32	27	18								
CAISD-5	150 x 125	6 x 5	1450	8.8 / 12				57	54	50	46.5	42	38	31	22							
CAISD-5	150 x 150	6 x 6	1450	10.3 / 14			62	58	54	51	47	44	38	31	22							

Mills

Danish Type Vertical Flour Mill



TECHNICAL SPECIFICATION

MILL SIZE OR DIA OF MILL STONE IN INCH	R.P.M.	H.P.	APPROXIMATE OUTPUT (kg/hr)			PULLEY SIZE MM (INCH)
			COARES	MEDIUM	FINE	
12"	650	5	300	225	150	250 (10")
16"	600	7.5	500	350	200	250 (10")
20"	550	10	550	425	250	300 (12")
24"	500	15	600	500	350	300 (12")

Corn Grinding Mill



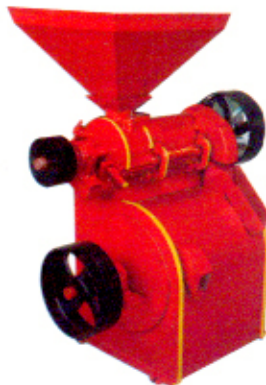
2A Mill

1A Mill

TECHNICAL SPECIFICATION

MODEL NO.	R.P.M.	APPROXIMATE OUTPUT		POWER REQUIRED H.P. (kw)		DIESEL ENGINE USED H.P. (kw)
		DRY kg/hr	WET kg/hr	DRY	WET	
1A	600	200	100	4.5 (3.3)	6 (4.4)	6 to 7.5 (4.4 to 5.5)
2A	550	300	150	6.5 (4.8)	8 (5.9)	8 to 10 (5.9 to 7.35)

Rice Huller

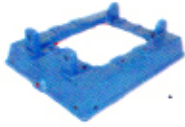


TECHNICAL SPECIFICATION

MODEL NO.	TYPE OF RICE HULLER	REQUIRED H.P.	R.P.M.	APPROX OUTPUT (kg/hr)	
No. 1	Big with Polisher	16	850	200	400
No. 2	Medium with Polisher	10	950	125	250

Mill Spares

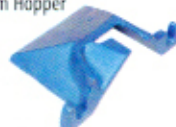
Frame



Box



Bottom Hopper



Bearing (Chair & Cap)



Bearing (Brasses)



Spindle and "O" Rings



Toe for Spindle



Driving Plate



Cam



Spring Collar



Spring (Spindle)



Front



Thrust Block



Click Holder



Click



Regulating Wheel



Standard With Arm



Shaker Arm



Shaker Rod Bearing



Jigger



Standard-Plain



Shoe



Pin for Shoe



Shoe Link



Rod-Shoe To Bridge



Bridge & Rod



Top Hopper



Sheet Steel Hopper



Leg & Foot



Brace for Leg (Long)



Brace for Leg (Short)



Fly Wheel



Medium D.F. Grinding Plate



Plate Bolt (Mix Nut Bolt)



Driving Pulley



Spanner for Spindle Nut



Note: Above are few fast moving spares for mills, For other parts please mail us your inquiry at atmak@crosswordagro.com

Slow Speed Diesel Engine Spares

Crankshaft



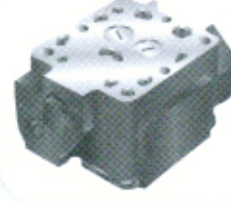
Crankshaft Double



Cylinder Block



Cylinder Head



In. & Ex. Push Rod



Cylinder Liner Kit Set



Connecting Rod Comp.



Camshaft Comp.



Main Bearing Housing Bush



Camshaft End Cover



CR Bearing



Main Bearing



Fast Pulley



In. & Ex. Valve



Oil Seal



Cylinder Head Gasket



Fuel Pump



Fuel Injector



Nozzle



Lube Oil Pump



Starting Handle



Valve Tappet Set



Fuel Pump Tappet with Roller



Fuel Filter



Idler Pinion



C. R. Bush



Valve Rocker Assembly



Fly Wheel Key



Fuel Pipe
Pump to Injector



Valve Lifter



Note: Above are few fast moving spares for Engines, For other parts please mail us your inquiry at atmak@crosswordagro.com

High Speed Diesel Engine Spares

Crankshaft



Crankshaft Double



Cylinder Block (Water Cool)



Cylinder Head With Rocker box



Cylinder Block (Air Cool)



Cylinder Head Gaskets



Crank Case



Cylinder Liner Kit Set



Ring Set



Connecting Rod Comp.



Camshaft Comp.



Fuel Pump



Fuel Injector



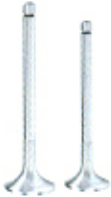
Valve Tappet



Valve Rocker Lever



Valve



Oil Seal



Crankshaft Gear



Fuel Injector Sleeve



Lub Oil Pump



Con Rod Bush



Exhaust Flange



Fuel Injector Pipe



Nozzle



Element



In. & Ex. Valve Guide



Air Cleaner



Silencer



CR Bearing



Extension Shaft



Note: Above are few fast moving spares for Engines. For other parts please mail us your inquiry at atmak@crosswordagro.com

Slow Speed Diesel Engine Spares

Crankshaft



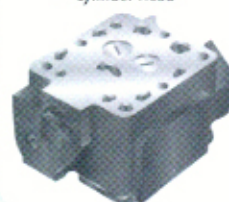
Crankshaft Double



Cylinder Block



Cylinder Head



In. & Ex. Push Rod



Cylinder Liner Kit Set



Connecting Rod Comp.



Camshaft Comp.



Main Bearing Housing Bush



Camshaft End Cover



CR Bearing



Main Bearing



Fast Pulley



In. & Ex. Valve



Oil Seal



Cylinder Head Gasket



Fuel Pump



Fuel Injector



Nozzle



Lube Oil Pump



Starting Handle



Valve Tappet Set



Fuel Pump Tappet with Roller



Fuel Filter



Idler Pinion



C. R. Bush



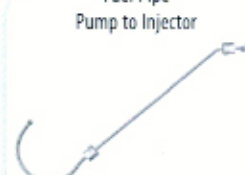
Valve Rocker Assembly



Fly Wheel Key



Fuel Pipe
Pump to Injector



Valve Lifter



Note: Above are few fast moving spares for Engines, For other parts please mail us your inquiry at atmak@crosswordagro.com

Other Products

Hose Pipe



Application

- » Delivery and Suction of water
- » Suitable for the Horticultural and Marin Industries
- » Also uses as Portable Water Supply
- » Irrigation Purpose in agriculture
- » Fisheries and shipping industries
- » Suction for dung cart
- » General Pumping & Suction Applications

Technical Specification:

ID		Wall Thickness (mm) (±0.5mm)	TYPE - A		Standard Length (Mtr.)
INCHES	MM		Working Pressure @30°C (kg/cm²)	Bursting Pressure @30°C (kg/cm²)	
3/8	12±0.5	1.5	10	19	30/50
1/4	20±0.5	2	8	17	30/50
1	25±0.5	2.5	7.5	15	30/50
1 1/4	30±1.0	2.5	6.5	15	30/50
1 1/2	40±1.0	2	5.5	14.5	30/50
2	50±1.0	3	5	14	30/50
2 1/2	75±1.5	3.5	5	13	30/50
3	12±0.5	3.5	4.5	13.5	30/50
3 1/2	90±1.5	4	4	12	30
4	100±1.5	3.5	3.5	10	30
4 1/2	115±2.0	3	3	9	30
5	125±2.0	2.5	2.5	8	15/18
6	150±2.0	2.5	2.5	8	15/18
7	175±2.0	2	2	6	6.0/10
8	200±2.0	2	2	6	6.0/10
10	250±2.0	—	—	—	6
12	300±2.0	—	—	—	6

Emery Stone



Technical Specification:

ARTICLE NO.	SIZE	TYPE	THICKNESS	BORE
E101	200 MM	Danish	75 MM	20 MM
E102	250 MM	Danish	125 MM	25 MM
E103	300 MM	Danish	150 MM	30 MM
E104	350 MM	Danish	150 MM	30/40 MM
E105	400 MM	Danish	150 MM	38/40 MM
E106	450 MM	Danish	150 MM	38/40 MM
E107	500 MM	Danish	175 MM	40/45 MM
E108	600 MM	Danish	200 MM	40/45 MM

Concrete Mixer



Technical Specification:

Model No. :	Classic Batch
Capacity :	7/5 & 10/7 CFT (250 Lts.)
Specification :	With Hopper Chassis : Heavy Steel Section have been used for durability and four pneumatic wheel are provided.
Power Unit :	(1) 7/5 HP Four stroke air cooled diesel engine OR (2) 5 HP Electric Motor.
Maximum Drum :	Specialty shaped mixing blades and provided for efficient mixing.
Dimension Overall (Approx) :	Length : 8'10" Width : 5'6" Height : 6'2"

Other Products

Tiles

Wall Tiles

Plain Tiles



Designer Tiles



Sizes Available:
8" x 12" (200 x 300 mm), 10" x 13" (250 x 325 mm)
12" x 18" (300 x 450 mm)

Floor Tiles

Plain Tiles



Designer Tiles



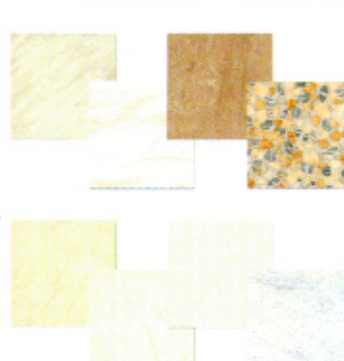
Sizes Available:
12" x 12" (300 x 300 mm), 16" x 16" (400 x 400 mm),
24" x 24" (600 x 600 mm)

Vitrified Tiles

Plain Tiles



Designer Tiles



Sizes Available:
24" x 24" (600 x 600 mm)
32" x 32" (800 x 800 mm)

Sanitary Wares

Wash Basin



14" X 11" Wash 16" X 16" Wash 18" X 12" Wash

20" X 16" Wash Royale Wash Basin Taiwan Wash

British Wash Rejoice Set Royale Wash Basin + Pedestal Rejoice Set

Water Closet



20" Orissa Pan Designer Medium Deep Pan Lebanese Pan

EWC P EWC S

CAI-106 CAI-129

Accessories



EWC Cistern

Foot Rest Half Stool Unnal

P' Trap S' Trap

Soap Dish Soap Dish