



ALLWIN EQUIPMENTS



373, G.I.D.C-2, Dediyanan,
Mehsana - 384002,
North Gujarat, India



+91 982 541 3555



info@allwinequipments.com



www.allwinequipments.com



BITUMEN SPRAYER



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BITUMEN SPRAYER



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TECHNICAL SPECIFICATION

TANK DETAILS :				
Model	SKE - 4000	SKE - 6000	SKE - 8000	SKE - 10,000
Capacity	4000 Ltrs.	6000 Ltrs.	8000 Ltrs.	10000 Ltrs.
Length - L	2200 mm	2500 mm	3000 mm	4400 mm
Width - W	1900 mm	1900 mm	1900 mm	1900 mm
Height - H 1700 mm	1700 mm	1700 mm	1700 mm	1700 mm
Mainhole	600 mm	600 mm	600 mm - 2 nos.	600 mm - 2 nos.
Insulation	50 mm Glass Wood	50 mm Glass Wood	50 mm Glass Wood	50 mm Glass Wood
Recommended Chassis : Wheel Base-WB	148"	148" / 176"	176"	198"
Clear Chassis Length - CL	5000 mm	5300 mm	5600 mm	7000 mm

Spray Bar	Length : 2.40 Mtr.	Burner	Bitumen Tank - Compressed Air Operated L.A.P. / Borzzer Spray Bar Heating - hand Touch Type
	Length with Extension: 4.20 Mtr. (Optional 4.50 Mtr.)		
	Control of Spray Bar: Fully circulating of preheating Bitumen		
	Bitumen Spraying Pressure: 0 - 4 Kg / cm		
Bitumen Pump	2" x 2" Size positive displacement gear pump with output of 500 Ltr / Mn. Capacity.	Engine Fuel Tank	80 Ltr. Capacity
Air Compressor	Standard make 2 Cyl., 3 HP, 360 LPM Capacity with Working Pressure of 9 kg. / cm	Burner Fuel Tank	120 Ltr. Capacity
		Engine	Kirlosker make HA - 294, 25 HP, 1500 Rpm. Air Cooled diesel engine.

HYDRAULIK BROOMER



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TECHNICAL SPECIFICATION

Mode of Operation	Hydraulic Broom Operated by Tractor Hydraulic System. Mechanical Broom Operated by Broomer Tyre Shaft Mounted Bevel Gear Mechanisms.
Sweeping Width	2.00 Meter Clean Sweeping in Mech. Broom & 2.25 Meter Clean Sweeping in Hydraulic Broom.
Dust Collection	Left hand Side
Sweeping Adjustments	Adjustable on both sides as per the Slope of Road.
Wheels for Drive	Two Heavy Duty Wheels.
Material of Brush	Nylon Bristles / Iron Bristles (Optional)
Suitable to use for	Metaling Surface (WBM) Wet Mix Macadam Surface Asphalt Road Surface
Swiping Speed	7 to 15 Km/ hr
Running Speed	25 km / hr
Diameter of Brush	450 mm

HYDRAULIK BROOMER WITH DUST COLLECTOR



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TECHNICAL SPECIFICATION

DESCRIPTION	HYDRAULIC BROOMER / SWEEPER	HYDRAULIC BROOMER WITH DUST COLLECTING BUCKET
Mode of Operation	Only Hydraulic Drives	
Cleaning Width	2.00 mtrs.	2.00 mtrs.
Removal of Dust	Left end side edge of road	Dust Collecting Bucket
Brush Height Adjustment	Mechanical screw	Mechanical screw
Material of Brush	Poly Propylene	Poly Propylene
Brush Size	18" Dia.	20" Dia.
Hydraulic System	Standard Make	Standard Make
Wheel / Tires	600 x 12 Standard Make	Small Nylon Wheels
Application Suitable for	Wet mix Macadam Surface, Asphalt Road Surface	
Towing Arrangement	Mahindra / Ford or Any Standard Indian Make	
Overall Dimension	12 L x 6.5 W x 5 H (Ft.)	8 L x 6 W x 4.5 H (Ft.)

STANDARD FEATURES :

- Ideal for WMP & Road Surface.
- Mechanical / Hydraulic Drive Options.
- Mechanical / Hydraulic Broomer.
- Dust Collector Hydraulic Broomer.
- 2.0 Meter working width.
- Tractor towed.
- Robust Design.
- Easy to use.
- Consistent performance.
- Extraordinary Strength.
- Break Free Operation.

TROLLEY MOUNTED BITUMEN SPRAYER



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TECHNICAL SPECIFICATION:

TANK DETAILS :		
Model	SKE - 2500	SKE - 3000
Capacity	2500 Ltrs.	3000 Ltrs.
Length - L	2000 mm	2400 mm
Width - W	1500 mm	1500 mm
Height - H	1380 mm	1400 mm
Bitumen input hole	750 mm	750 mm
Insulation	40 mm Glass Wool	40 mm Glass Wool
Shape	U-Trapezoidal	U-Trapezoidal

OPTIONAL
High Capacity Air Blower with 10 Mtr. Length Air pipe for Dust Removal. (Optional)
Extra arrangement for Gas burner.
Wood fire boiler.
Rear wheel spring plates.
Different Storage Capacity Models available from 1.5 tons to 3 tons

Spraying Arrangement	Hand Spary Nozzle with 2 nos. Wooden Handled gun pip. S.S. Corrugated Spray pipe for hot bitumen. OR R-2 Rubber Hose pipe for Emulsion.
Bitumen Pump	1.5" x 1.5" / 2" x 2" Size Pressure Pump specially design for hot bitumen and emulsion bitumen.
Reduction Gear	3 NU Worm type driven by pully - V Belt system by engine.
Air Blower	Twin Lobe Blower/2 HP - 2800 RPM. Air Blower Driven by Pulley - v Belt system by engine for burner combusting.
Burner	Bozzer Burner/L.A.P Type, Fuel Tank : 50 ltr.
Wood Bhatti	6 mm thich for wooden fire furnace middle at tank with chimney and ash removal.
Axle Types (Four Tyre)	Rear - 1 No. 7 x 50 16 Font - 1 No. 7 x 50 x 16 (Tyre - 4 Nos.)
Axle Types (Two Tyre)	Rear - 1 No. Rear - 9 x 16 (Tyre - 2 Nos.)
Temperature gauge	0 - 300 °C
Drum Lifting	Drum Loading by 1 ton. Cap Chain Pulley block - movable to tank bitumen input hole.
Engine	Kirlosker make or ISI make 6 HP / 6.5 HP / 7.5 HP / 8 HP / 10 HP AT 1500 rpm.
Cleaning	Unique pressure cleaning system after used of spraying by L.D.O / Kerosine / Diesel.

ASPHALT DRUM MIX PLANT



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ASPHALT DRUM MIX PLANT



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Cold Feed Hoppers: Three / Four Aggregate Bins, Individual variable drives under each bin with precision gates, No Flow Indicator Device, One Bin Vibrator Motor, Highly Accurate Conveying System.

Slinger Conveyor : Transfer the aggregates to the Drying and Mixing Unit, Continuous Electronic Weighing System: The state-of-the-Art software System Processes and meters the mix proportioning. The feedback from the load cell is processed by PLC, which further automatically controls and processes the bitumen and filler proportioning.

Drying and Mixing Unit: Aggregates are heated and mixed with asphalt binder and filler contents in the Drying & Mixing Unit. The Inherent Primary Multi-Cyclone Dust Collection unit is capable to collect dust from the drum unit. The unit includes pressure Jet oil burner with blower.

Load out Conveyor with G.O.B. Hopper: The mix materials is discharged by the plant into the load out conveyor equipped with Hydraulically Operated clamshell gate to allow truck charging without spillage.

Bitumen Storage Tank : Skid mounted high capacity hot oil jacketed gear type pump, controlled by an AC / DC variable speed drive feeds the amount of the Thermo drum unit. The fully automatic SCADA/ PLC control ensure a precise metering of bitumen.

Filler Storage Unit: 1.5 tons of filler storage and feeding solutions for the customers to choose from, depending on the site requirements. A variable speed computerized synchronized metering system ensure the right proportioning in the mix.

STANDARD FEATURES:

- Modern Drum mix Technology
- Produces High Quality Homogeneous Mixing
- Stationery or Mobile
- High Production Rate
- Quality Accurate Aggregate Feeders
- Low Dust Emission
- Plant Mounted Discharge Conveyor with Surge Hopper
- Automatic Computerized Control Panel

ASPHALT DRUM MIX PLANT



TECHNICAL SPECIFICATION:

PLANT DESCRIPTION	UOM	DM - 45	DM - 50	DM - 60	DM - 65
Rated Output@3% moisture Content	tph	40-60	60-90	90-120	120-150
FEEDER UNITS					
No of Bins/ total capacity	nos/m ³	4/20	4/22	4/25	4/32
Charging Width	mtrs	2.50	2.75	3.00	3.60
Auxiliary Conveyor Drive Motor	kw	4X1.5	4x1.5	4x1.5	4x2.2
Gathering Conveyor Belt (wxL)	mm	600 x 22500	600 x 23500	600 x 29600	600 x 29600
Gathering Conveyor Drive Motor	kw	3.7	3.7	3.7	5.5
Bin Vibrator (1 no.)	kw	0.37	0.37	0.37	0.37
Feeding Capacity	tph	80	110	140	180
Over Size Removal Screen					
Wire Mesh Size	mm	45 x 45	45 x 45	45 x 45	45 x 45
Drive Motor	kw	0.75	0.75	0.75	0.75
Slinger Conveyor					
Conveyor Belt (WXL)	mm	600 x 14400	600 x 14400	600 x 15025	600 x 20400
Conveyor Drive Motor	kw	3.7	3.7	3.7	5.5
Thermo Drum					
Dryer (LXD)	mtrs.	6.0 x 1.2	6.7 x 1.5	7.3 x 1.8	7.9 x 1.8
Drive Type*	Drive	Chain / Cradle Type	Chain / Cradle Type	Chain / Cradle Type	Cradle Type
Drive Motor	kw	15	18.50	30	4 x 7.5
Burner Capacity	lph/MW	250 / 3	350 / 5.5	550 / 9.5	770 / 14
Fuel*		LDO	LDO	LDO	LDO
Blower Connected Load	kw	5.5	7.5	11	15
Exauster	cfm/kw	10500/15	14500/18.5	16500/30	with CV unit
Dust Control unit (Primary): Primary Multi-cone Dry Dust Collector					
Nos of Cone.		15	20	21	21
Dust Screw Drive	kw	0.75	0.75	1.5	1.5
Load Out Conveyor					
Belt (WXL)	mm	600 X 17900	600 X 17900	600 x 20300	600 x 20300
Drive Motor	kw	3.7	3.7	5.5	5.5
Gob Hopper					
Gob Hopper Capacity	mt	1500	1500	2000	200
Hydraulic Power Pack	kw	1.5	1.5	2.2	3.7
Mineral Filer Unit					
Capacity	m ³	1.5	1.5	1.5	1.5
Drive Motor	kw	0.75	0.75	0.75	0.75
Air Compressor Connected Load	kw	1.5	1.5	2.2	2.2
Bitumen Tan					
Capacity	ton	15	20	25	30
Heating System*		Direct Heating	Direct Heating	Direct Heating	Direct Heating
Bitumen Pump Model		2" x 2"	2" x 2"	2" x 2"	RDRB-250
Bitumen Motor	kw	3.7	3.7	3.7	5.5
Hot oil Pump (Optional)		3/4" x 3/4"	3/4" x 3/4"	3/4" x 3/4"	
Hot oil Motor (Optional)	kw	0.75	0.75	0.75	
Fuel Tank MI					
Capacity	Liter	4000	4000	8000	12000
Fuel Feeding Pump (LXO)	mm	19.05 / 19.05	19.05 / 19.05	19.05 / 19.05	19.05 / 19.05
Fuel Motor	kw	0.75	0.75	0.75	0.75
FO Kit (Option)					
Outflow Heater	kw	4.5	4.5	4.5	9.0
In-line Heater	kw	14.5	18.5	18.5	18.5
Total connected Load	kw	73.7	89.8	126.2	135.2
Recommended Gen set Capacity	kva	82.5	100	125	150
Open Land Requirnent	mtrs	35 x 30	35 x 35	40 x 40	
Pollution Control Unit - Secondary Dust Collector (Optional):					
Wet Dust Collector-Type		Ventury Type	Ventury Type	Ventury Type	Ventury Type
CV series - Water Pump	kw	1.5	1.5	2.2	
Bag House Filter -Type		-	-	-	-
Dust Emission	mg/Nm ³	-	-	-	-
Filter Area	m ²	-	-	-	-
Exhauster	cfm/kw	-	-	-	-

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OPTIONAL ACCESSORIES AVAILABLE	Capacity Range	3/7/11/18/28	15/20/25/30/50	Direct heating / Thermic oil heating	300000/500000	15/25/30/50/80
	Capacity Range	m ³	m ³	-	kcal/hr	m ³
Filler Silo	Capacity Range			Heating System	Hot Oil Heater Capacity	Capacity Range
Bitumen Tanks	Capacity Range					
Thermic Oil Heating						
Hot Mix Storage Silo						

WET MIX PLANT (WMM)



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TECHNICAL SPECIFICATION:

PLANT MODEL	UOM	WMM-100	WMM-160	WMM-200	WMM-250
Rated Output	tph	100	160	200	250
Four Bin Feeder					
No. of Bins * / Total Capacity	nos/m3	4 / 22	4 / 22	4 / 25	4 / 32
Charging Width	mts	2.75	2.75	3.00	3.60
Auxiliary Drive Motor	kw	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.2
Gathering Conveyor Belt	mm	600 x 25600	600 x 23500	600 x 29600	600 x 36880
Gathering Drive Motor	kw	3.7	3.7	3.7	5.5
Bin Vibartor (1 no.)	kw	0.37	0.37	0.37	0.37
Feeding Capacity	tph	120	180	225	260
Over Size Removal Screen					
Mesh Size	mm	65 x 65	65 x 65	65 x 65	65 x 65
Drive Motor	kw	0.75	0.75	0.75	0.75
Charging Conveyor					
Conveyor Belt (WXL)	mm	600 x 14400	600 x 14400	600 x 15025	600 x 15025
Conveyor Drive motor	kw	3.7	3.7	3.7	5.5
Pug Mill					
No of Paddle Arms		26	32	44	64
Drive Motor	kw	18.5	30.0	37.0	45.0
Capacity	m3	1.62	1.90	2.40	3.00
Water Tank(Optional)					
Capacity	m3	10	15	18	18
Drive Motor	kw	1.5	3.7	3.7	5.5
Load out conveyor with Gob Hopper					
Belt (WXL)	mm	600 x 17900	600 x 17900	600 x 20300	-
Drive Motor	kw	3.7	3.7	5.5	-
Gob Hopper Capacity	mt	1	1	1.5	-
Hydraulic Power Pack	kw	1.5	1.5	2.2	-
Load out conveyor with Storage Silo (Optional with WM M-100,160,200,250)					
Belt (WXL)	mm	600 x 41100	800 x 41100	800 x 41100	800 x 41100
Drive Motor	kw	7.5	11.0	11.0	11.0
Storage Silo Capacity*	mt	25	25	25	25
Hydraulic Power Pack	kw	3.7	3.7	3.7	3.7
Total connected Load	kw	45.6	73.3	80.8	88.3
Recommended Genset Capacity	kva	62.0	82.5	100.0	125.0
Open Land Requirement	mts	50 x 35	55 x 35	55 x 35	55 x 35
Filler Silo (Optional)					
Capacit	m3	-	28.5	28.5	25.5

AIR COMPRESSOR



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TECHNICAL SPECIFICATION:

1. Maximum Working Pressure	8.5 kg/cm ²
2. Normal working pressure	6.5 kg/cm ²
3. Intercooler pressure at normal working pressure	2.5 kg/cm ²
4. Normal and maximum operation speed on load	1400 rpm
5. Speed of tractor power take-off	1400 prm
6. Free air delivery at 6.5 kg/cm ² and working pressure of 1400 rpm	134 cfm
7. f.a.d	63.4 l/s
8. Power required for a compressor shaft at full load	42 HP
9. Air receiver capacity	80 litres
10. Lubricating oil pump capacity	4.5 litres
11. Net weight (with mounting)	400 kg



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