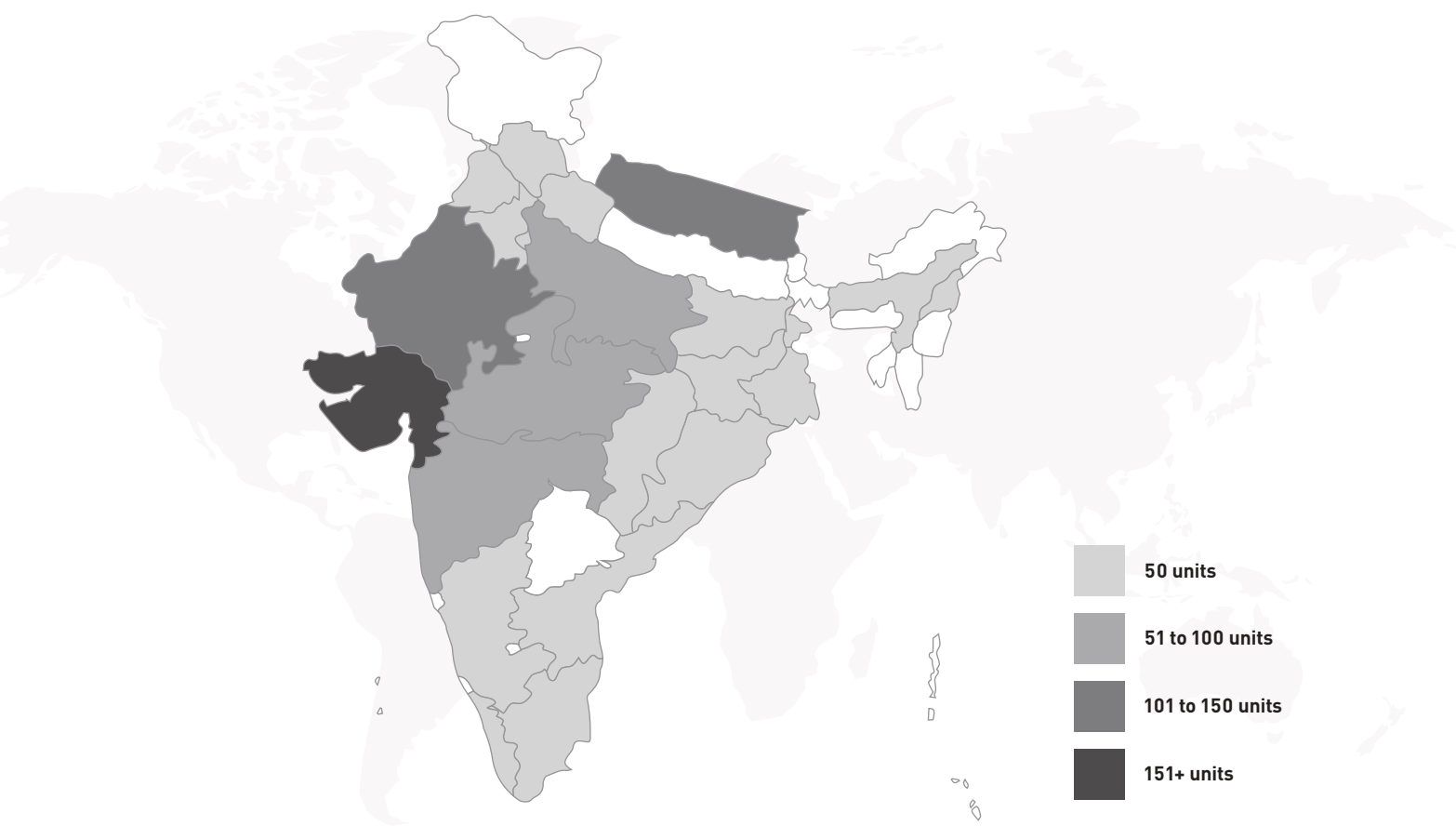


OUR NETWORK



ASHITECH EQUIPMENTS PVT. LTD.

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**35** YEARS  
EXPERIENCE  
&  
**1000+**  
INSTALLATIONS

\* As Per Ashitech's policy of constant upgradation of products, specifications are subject to change without prior notice.

ASHIRVAD®

Constructing a  
better future together





**ASHITECH™**

With three decades of experience and expertise in manufacturing road construction equipments Ashitech has made a name for itself, synonyms with trust and quality, in this sector, 35+ years back the company was started with Brand Ashirvad® and since then the company has scaled unparalleled heights.

#### **EXPERTISE**

Ashitech Equipments Pvt. Ltd. is keeping in tune with the rapidly changing quality product in Road Construction Equipments always volatile by constantly updating their designs based on market feedback. The company designs and manufactures machinery to give most economic use of machinery. It provides additional energy saving machinery in the form of quality measurements.

**35+**

Experience of Years

**15+**

Presence In Countries

**ISO**

9001 : 2008 Certified

**999+**

Successfully Installations



#### OUR SERVICE

Ashitech offers superior service aptly depicted by our satisfied clients in over 15 countries. Ashitech is a brand that our client always trust.

#### PRODUCTION

Our production facilities are quality assured and have the best of machines to produce world class machinery which is sturdy, lasting and safe for all your construction needs.

#### RESEARCH

We research the best technology, ideate prototypes, and finally design and manufacture machinery to give best performing machinery.

#### WORLDWIDE

Over three decades of enterprise, experience and expertise have paved the way for Ashitech Equipments Pvt. Ltd. in over 15 countries

#### QUALITY POLICY

Our superior products and international standards of performance, quality, & reliability are the root of our success



## ASPHALT BATCH MIX PLANT

ASHITECH® ABM series asphalt batch mix plant are renowned for their high efficiency, production capability and low maintenance

Specially designed drum flight patterns through extensive research helps in reducing the fuel consumption considerably. The drying drum is also provided with friction drive technology to reduce any maintenance and it is fitted with state of the art atomising burner developed by company to obtain maximum performance with minimal consumption

The inclined Linear motion vibrating screens contribute to top notch performance and the free floating screen design prevents vibrations from being transferred to the weighing system. Hot bin unit is equipped with highly efficient low maintenance pneumatic controls with level indicators provided with system integration allow for automatic controls of the aggregate input from cold feeder bins thus minimizing material loss. The weighing system too being really reliable, accurate and maintenance free due to the vast R&D done behind in to develop such one of a kind system

specifically for this product which is one of the main reason for the success of the product in such a short time after its introduction. The mixer unit is the heart of the asphalt batch mix plant and has a large live zone, realizing a quick and even mixing of asphalt. The mixer unit is hot oil jacketed and supplied with low-maintenance drive the paddle arm and tips are designed to great detail by the company in order of facilitate even mixing and superior distribution of bitumen throughout the batch. The paddles, arms and tips are made of wear resistant hardened cast alloy steel. Mixer unit is provide with anti wear liner plates.

Fully Automatic Synchronize control panel unit, with on-board electrical control console, distribution switch board, fully automatic plc/hmi automation, interlock and sequence control are our standard

The ABM series plants are supplied with a standard dual stage pollution control system, comprising of a primary cyclonic dust collector and a secondary bag type filter unit for minimized dust emission.

## HIGHLY EFFICIENT ASPHALT BATCH MIX PLANT



### TECHNICAL SPECIFICATION

MODEL	ABM - 80	ABM - 100	ABM - 120	ABM - 160	ABM - 180	ABM - 200
PLANT CAPACITY (TPH)*	80	100	120	160	180	200
BATCH SIZE (Kg)	1000	1250	1500	2000	2250	2500
CYCLE TIME (Sec)	45					
FEEDER UNIT						
COLD FEED BINS (NO. OF BINS)	4	4	4	4	4 / 5	4 / 5
FEEDER CAPACITY (kg)	32000	32000	44000	44000	56000/70000	56000/70000
CHARGING CONVEYOR CAPACITY (TPH)	100	120	140	180	200	220
DRYER UNIT						
DRIVE TYPE	Friction drive					
BURNER TYPE	High pressure, fully automatic, modulating					
FUEL	Diesel / Light Diesel Oil/furnace oil					
TOWER UNIT						
HOT ELEVATOR CAPACITY (TPH)	100	120	140	180	200	220
FILLER ELEVATOR CAPACITY (TPH)	-	-	21	21	25	25
FILLER COMPRESSOR UNIT CAPACITY (TPH)	15	15	-	-	-	-
NO. OF. DECK	4	4	4	4	4/5	4/5
SCREENING CAPACITY (TPH)	100	120	140	180	200	220
HOT AGGREGATED BIN UNIT (NO. OF BINS)	4	4	4	4	4/5	4/5
AGGREGATE HOPPER CAPACITY (Kg)	1250	1500	1800	2500	2750	3250
FILLER HOPPER CAPACITY (Kg)	150	150	200	200	300	300
BITUMEN HOPPER CAPACITY (Kg)	150	150	200	200	300	300
MIXTURE TYPE UNIT						
MIXTURE CAPACITY (Kg)	1250	1500	1800	2500	2750	3250
DUST EMISSION CONTROL UNIT						
PRIMARY	Centrifugal cyclone unit					
SECONDARY	Bag filter unit					
BAG FILTER TYPE	Reverse airflow					
FILTER AREA (m <sup>2</sup> )	200	200	340	340	450	450
CONTROL PANEL	Fully Synchronized with manual over-ride ( HMI/PLC Based)					
ACCESSORIES						
BITUMEN TANKS (CAPACITY IN LITER)	20000/30000/50000					
HEATING SYSTEM	Direct heating / indirect heating					

\*3% moisture content in cold aggregates, 38°C atmospheric temperature , aggregated density of 1.6 tons / m3, mean sea level, Hot mix temperature of 150°C.

Standard dual stage  
dust emission control systems

Fully automatic PLC/HMI automation  
interlocks and sequence controls

High efficiency and production capability  
due to extensive design researches

Highly proven brought out item usage for  
enhanced product experience, efficiency  
and performance.

Minimum dust emission and fuel usage to  
decrease the adverse effects on nature

## ASPHALT BATCH MIX PLANT FEATURES



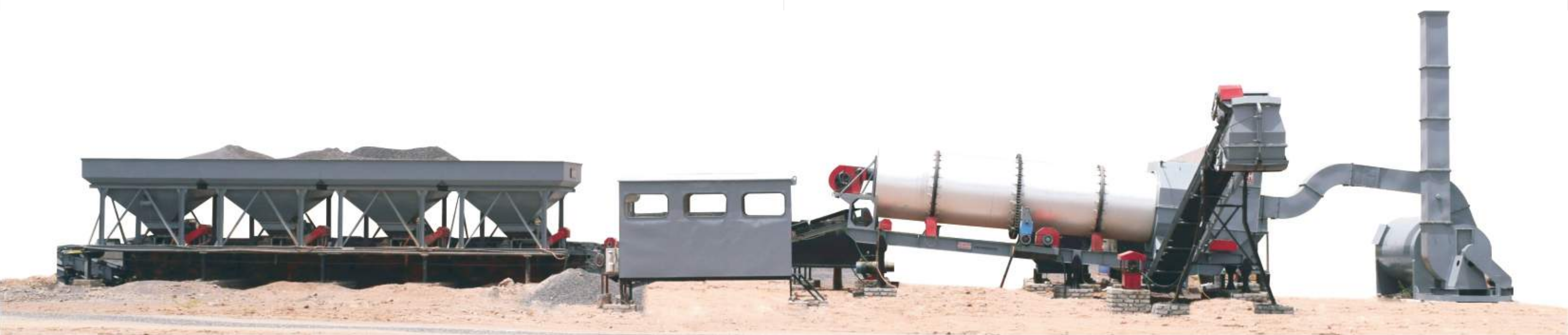
ASHITECH® DM series drum mix plants have been a dominant product for the company in the market before the introduction of the batch mix plants by the company due to really sturdy built quality and great output performance and low maintenance with higher efficiency benefiting the customer in numerous ways due to which the customers have shown us so much support for our products in the past and still are believing in our machines due to the top quality consistency. All the four bins are fitted with individual AC Motor and gear box to control & regulate the flow of aggregate from each bin gathering conveyor is equipped with scrapper and driven by AC motor. Aggregate is fed into thermo drum unit through slinger conveyor after removing oversize material. The flight pattern of the drum has been specially designed through years of research and and development so that the customers can reap the rewards of our design in their production. The thermo drum unit is specially designed with

designated compartment for heating, mixing & discharge. The plant is provided with dust emission control system. Primary being cyclonic type & secondary being wet dust collector type. Heavy duty exhauster unit for maximum suction is provided to improve plant performance. Bitumen and filler adding system have a great precision so that the mix quality achieved is uniform & according to requirement. Well built control cabin for electric panel setup for ease of operation. The usage of really high quality brought out items has been a consistent case with our company. When we talk about long term life of machine and the service commitment ASHITECH® has always been praised by all the help out the customers. our service team is committed on providing prompt response to any service call to minimize The lead time & to minimize the losses incurred by customer due to breakdown. The optional feature list includes extra filler addition system & using furnace oil (FO) as a fuel for both these feature, system can be provided as per customer requirement.

### TECHNICAL SPECIFICATION

MODEL	DM - 45	DM - 50	DM - 60
PLANT CAPACITY (TPH)*	45- 60	60 - 90	90 - 120
DIMENSION OF THERMO DRUM UNIT (LXWXH) (m)	10.60 X 2.50 X 2.70	11.80 X 2.70 X 2.80	13.90 X 2.90 X 3.10
BURNER SIZE ( l/h)	200 - 250	300 - 350	550 - 600
BURNER TYPE	Hi - Lo Type Pressure Jet	Hi - Lo Type Pressure Jet	Hi - Lo Type Pressure Jet
FUEL TYPE	HSD, LDO	HSD, LDO	HSD, LDO
EXHAUSTER UNIT (CFM)	10500	14500	15500
DUST COLLECTOR	15 Cones	20 Cones	24 Cones
DRUM DIAMETER (m)	01.20	01.50	01.80
FEEDER CAPACITY ( kg)	32000	44000	44000
BITUMEN TANK (CAPACITY IN LITER )	15000 / 20000 / 30000		
FILLER CAPACITY (kg)	1000		
POWER REQUIRED TOTAL (KW)	79	94.38	115.76
TOTAL AREA REQUIRED FOR INSTALLATION	35 X 35 m	38 X 38 m	45 X 45 m
GEAR DETAIL			
AUXILIARY CONVEYOR	Helical Type		
GATHERING CONVEYOR	Helical Type		
SLINGER CONVEYOR	Helical Type		
LOADOUT CONVEYOR	Helical Type		
SCREW CONVEYOR	NU Worm Type		
DRUM DRIVE UNIT	SNU Worm Type		
BITUMEN PUMP	Gear Type		

\* ≤3% moisture content in cold aggregates, 38°C atmospheric temprature, aggregated density of 1.6 tons /m3, mean sea level.



ASHITECH® WWM Series wet mix macadam plant also serve as benchmark in this type of plants manufactured anywhere in india due to the technology that ashitech has been using and also the build quality that the brand has been providing throughout the years. All the four bins are fitted with individual AC motor and gear box to control and regulate the flow of aggregate from each bin, gathering conveyor is equipped with scrapper and driven by AC motor, aggregate from the gathering is feed to the pug mill unit through a slinger conveyor after removing oversize material which is done through the help of primary vibrating screen, silo hopper with hydraulically operated cam shell type facilitate quick discharge of mix

material without segregation. Twin shaft design for continuous and homogenous mixing of aggregates and additives. Extra heavy duty anti friction bearing for smooth function, wear resistance alloy steel paddle arms and tips for longer life, also the shafting used is covered by distant pieces made of the same alloy as of the paddle arm so that the friction is bared by the distant pieces and not by the shafting so that at the time of maintenance the cost saving for Customer is done. State of the art emulsion system with synchronisation can be provided with an emulsion tank, Cement silo with feeding system & synchronizing system, Storage silo can be offered All the mentioned three features are optional and can be customized according to requirement from customer.

### TECHNICAL SPECIFICATION

MODEL	WMM-100	WMM-150	WMM-200	WMM-250
PLANT CAPACITY (TPH)	100	150	200	250
WATER TANK (CAPACITY IN LITRE)	10000	10000	15000	20000
SILO HOPPER CAPACITY ( kg)	2000	3000	5000	5000
FOUR BIN FEEDER CAPACITY ( kg)	32000	44000	44000	44000
VIBRATING SCREEN (SCREENING AREA- m <sup>2</sup> )	1.2			
PUGMILL VOLUME	1.5m <sup>3</sup>	1.8m <sup>3</sup>	1.8m <sup>3</sup>	2.1m <sup>3</sup>
AREA REQUIRED FOR INSTALLATION (m)	35 X 35	36 x 36	38 x 38	40 x 40
STANDARD POWER REQUIRED TOTAL (KW)	44.5	53.88	53.88	68.14
GEAR DETAIL				
AUXILIARY CONVEYOR	Helical Type			
GATHERING CONVEYOR	Helical Type			
SLINGER CONVEYOR	Helical Type			
LOADOUT CONVEYOR	Helical Type			
MIXING UNIT	SNU Worm Type			
OPTIONAL FEATURES				
EMULSION TANK (CAPACITY IN LITRE)	10000/20000			
CEMENT SILO (CAPACITY IN kg)	2000/5000			
STORAGE SILO (CAPACITY IN kg)	10000/15000/20000			







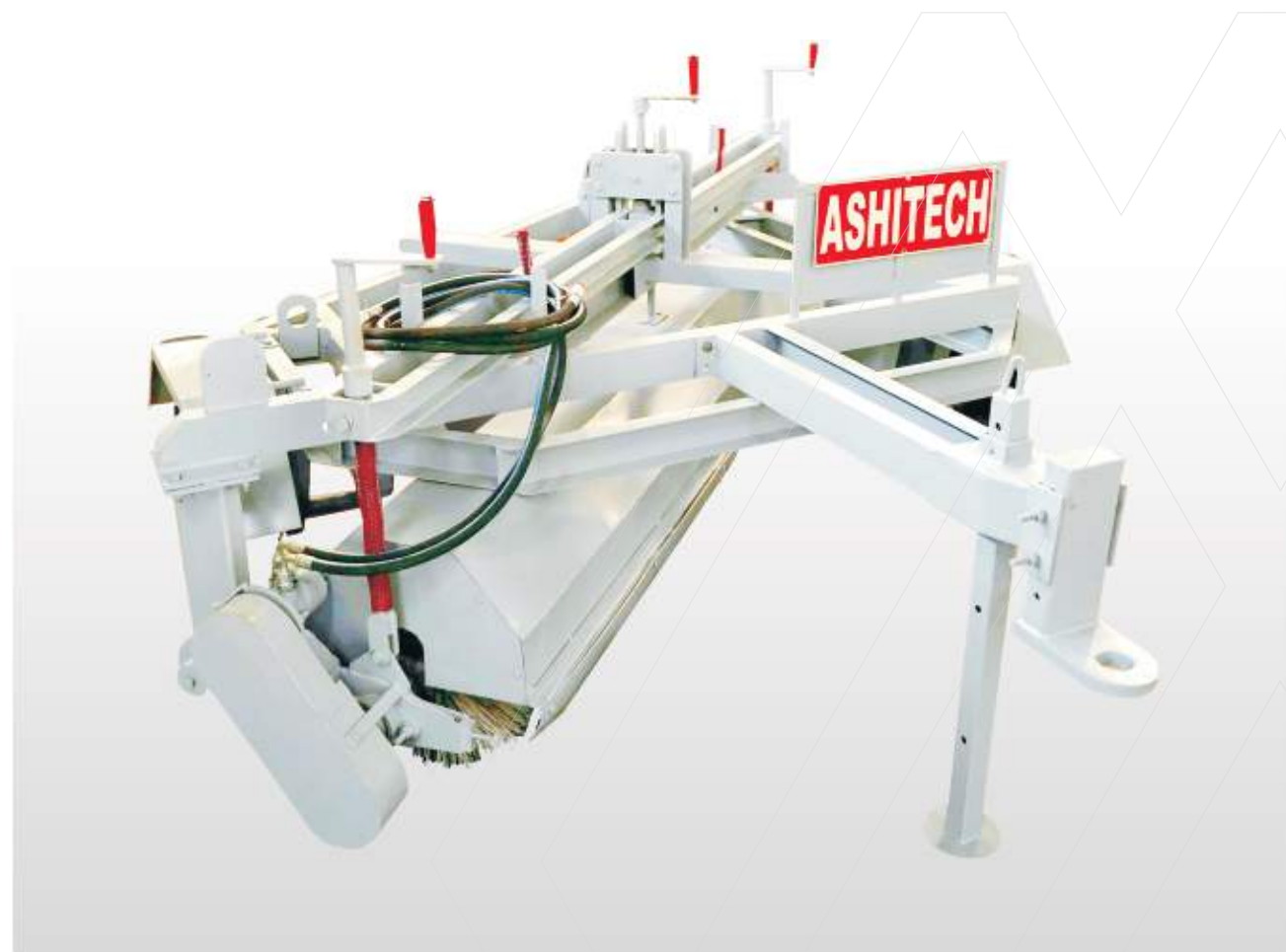
## TECHNICAL SPECIFICATION

MODEL	AE- 4000	AE- 6000	AE- 8000	AE- 10000
TANK CAPACITY	4000 ltr.	6000 ltr.	8000 ltr.	10000 ltr.
TEMPERATURE GAUGE	0-300°C	0-300°C	0-300°C	0-300°C
MOUNTING	Tank Mounted on Vehicle Chassis			
BURNER	20 ltr / hr.	20 ltr / hr.	30 ltr / hr.	30 ltr / hr.
FUEL TANK CAPACITY	130 ltr.	130 ltr.	160 ltr.	160 ltr.
ENGINE	Air cooled diesel engine - 25 HP@2000RPM			
SPRAY BAR	4.25 m Spray bar with Extension & Simple Pressure Cleaning System			
BITUMEN SPRAYING PRESSURE	0-4 kg. / Cm2			
BITUMEN PUMP	2" x 2" positive displacement gear pump with Maximum output of 400 ltr. / Min			
AIR COMPRESSOR	Two Cylinder Air Compressor			
SPECIAL FEATURE	Digital Speed Indicator And Moisture Separator for Clean & Dry Air			



## TECHNICAL SPECIFICATION

Model	VAP 4.5 HES (Hot Mix)	WVP 4.5 HES (Wet Mix)
Material Suitability	Bituminous Material	Bituminous, Wet Mix
Operating Width	3050 mm	
Weight (approx)	9.5 tons	10 tons
Truck Dumping Clearance	600 mm	
Wheel Base	2500 mm	
Engine Output	76 HP @ 2200 rpm	105 HP @ 2200 rpm
Battery	12 Volts (Heavy Duty)	
Tyres : Front 2 Nos. – Solid Rubber	558 X 405 X 305 mm	
Tyres : Rear 2 Nos. – Pneumatic	12 X 20 – 18 Ply	
Paving Thickness	10 – 200 mm	
Paving Speed	1.25 – 23 Meters/hr.	
Paving Width	2.50 to 4.50 Meters (Hydraulically Extendable Screed)	
Travel Speed	0 – 16 KMPH	
Hopper Capacity (Approx)	4 Cubic Meters	
Fuel Tank Capacity	120 Litres	
Hydraulic Oil Tank Capacity	80 Litres	
Screed Heating	Oil or LPG Burner	
Auger Diameter	300 mm	
Screed Vibration	0 – 30 Hz	
Crown	1 to +3	



#### TECHNICAL SPECIFICATION

MODEL	AE-11
MODE OF OPERATION	Can be operated conveniently by towing with a Tractor / vehicle
SWEEPING WIDTH	2 Meter
DUST ACCUMULATION	Left Hand Side
SWEEPING ADJUSTMENTS	Adjustable on both sides as per the Slope of road. Brush adjustment up to 100 mm.
WHEEL	Two Heavy duty Wheels.
MATERIAL OF BRUSH	Nylon Bristles.
SUITABILITY OF UTILIZATION	Suitable Use for
	1) Metaling.
	2) Wet Mixed Macadam Surface.
	3) Asphalted Road Surface.



#### TECHNICAL SPECIFICATION

**Bitumen Drum Decanter** fully insulated with 75 mm thick rock wool and Cladding done with GI sheet along with Hydraulically operated Mechanical 2/3/4 Lifters to load bitumen drum into heating chamber along with a complete Hydraulic power pack, Electric Panel & Skid mounted 300 lpm – Positive displacement type Bitumen gear pump with jacketed body coupled to a 10 HP Electric Motor along with a line filter to protect pump.

**Model - AE 210. Capacity 3500 kg/hr.**

**Model - AE 310. Capacity 5500 kg/hr.**

**Model - AE 410. Capacity 7000 kg/hr.**