

## TECHNICAL SPECIFICATIONS

	DM-45 40 to 60 TPH	DM-50 80 to 100 TPH	DM-60 100 to 120 TPH
Plant Capacity			
<b>Fourbin Feeder</b>			
No. of Bins	4	4	4
Storage Capacity	32 tons	40 tons	54 tons
Auxiliary Drive Motor	1.5 Kw x 4 Nos	1.5 Kw x 4 Nos	1.5 Kw x 4 Nos
Auxiliary Conveyor Belt	450 mm x 2.5 mtrs x 3 ply	450 mm x 2.75 mtrs x 3 ply	450 mm x 2.75 mtrs x 3 ply
Auxiliary Conveyor Gear Box	SMSR x 4 Nos	SMSR x 4 Nos	SMSR x 4 Nos
Gathering Drive Motor	3.75 kW	3.75 kW	3.75 kW
Gathering Gear Box	SMSR	SMSR	SMSR
Gathering Conveyor Belt	500 mm x 24 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply
Bin Vibrator (1 No.)	0.75 kW	0.75 kW	0.75 kW
Feeding Capacity	100 tph	150 tph	200 tph
	12.10 mtrs x 2.10 mtrs x 2.32	13.13 mtrs x 2.38 mtrs x 2.45	
Overall Dimension (Approx)	mtrs	mtrs	13.13 mtrs x 2.63 mtrs x 2.55 mtrs
<b>Total Connected Load</b>	10.50 kW	10.50 kW	10.50 kW
<b>Over Size Removal Screen</b>			
Drive Motor	0.37 kW x 750 rpm	0.37 kW x 750 rpm	0.37 kW x 750 rpm
Wire Mesh	65 mm x 65 mm	65 mm x 65 mm	65 mm x 65 mm
<b>Slinger Conveyor</b>			
Conveyor Drive Motor	3.75 kW	3.75 kW	3.75 kW
Conveyor Drive Gear Box	SMSR	SMSR	SMSR
Conveyor Belt	500 mm 15 mtrs x 3 ply	500 mm 16 mtrs x 3 ply	600 mm 18 mtrs x 3 ply
<b>Thermo Drum Unit</b>			
Drive Motor	15.00 kW	18.75 kW	30.00 kW
Drive Gear Box	Heavy Duty Worm gear	Heavy Duty Worm gear	Heavy Duty Worm gear
Drive Chain Pitch	63.5 mm	78.1 mm	78.1 mm
Main Burner Connected Power	250 lph / 3.75 kW	350 lph / 5.62 kW	770 lph / 11.25 kW
Exhauster	10500 cfm	14500 cfm	14500 cfm
Exhauster Drive Motor	15.00 kW	18.75 kW	30.00 kW
<b>Multiclone Primary Dust Collector</b>			
No. of Cones	15	20	21
Dust Screw Drive Motor	1.5 kW	1.5 kW	1.5 kW
<b>Fuel Tank</b>			
Capacity	2000 liters	2000 liters	3000 liters
L/o Conveyor Belt- HR Grade	500 mm x 16 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply	600 mm x 20 mtrs x 3 ply
<b>Gob Hopper Capacity</b>	1.0 ton	1.0 ton	1.5 ton
Hyd. Power Pack	2.25 kW	2.25 kW	2.25 kW
<b>Bitumen Tank</b>			
Capacity & Shape	15 tons (U Shape)	20 tons (U Shape)	20 tons (U Shape)
Bitumen Drive Motor	3.75 kW	3.75 kW	3.75 kW
Bitumen Gear Box	Heavy Duty Worm gear	Heavy Duty Worm gear	Heavy Duty Worm gear
Bitumen Pump (Jacketed)	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm
Hot Oil Drive Motor	0.75 kW	0.75 kW	0.75 kW
Hot Oil Pump	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm
<b>Mineral Filler Unit</b>			
Drive Motor	0.75 kW	0.75 kW	0.75 kW
Drive Gear Box	Heavy Duty Worm gear	Heavy Duty Worm gear	Heavy Duty Worm gear
Rotary Valve	150 mm	150 mm	150 mm
Chain Pitch	25.4 mm	25.4 mm	25.4 mm
Capacity	1 m <sup>3</sup>	1 m <sup>3</sup>	1.5 m <sup>3</sup>
Air Compressor	5.62 kW	5.62 kW	5.62 kW
<b>Total Connected Load</b>	62.99 kW	72.36 kW	101.24 kW
Open Load Requirement	35 mtrs x 35 mtrs	35 mtrs x 35 mtrs	40 mtrs x 40 mtrs

### SECONDARY POLLUTION CONTROL UNIT (OPTIONAL)

### Accessories

#### CV Series Wet Dust Collector

Type : Ventury  
 Exhauster Power : 15/18.75/30 kW  
 Water Pump : 3.75 kW  
 Dust Emission : < 150 mg / Nm<sup>3</sup>  
 Overall Dimension without Ducts :  
 4500mm(L)x1800mm(W)x2300mm(H)

#### Bitumen Tank

Capacity 15 / 20 / 25 / 30 / 50 tons

Heating Type Direct / Hot Oil Heating Type

#### Hot Oil Heater

Type Normal Pressure horizontal Tubular Boiler

Capacity 500 000 Kcal / hr.

#### Hot Mix Storage Silo

Capacity 10 / 15 / 25 / 50 tons

*With Atlas's policy of constant upgradation of products, specifications are subject to change without prior notice.  
 Accessories shown are optional and not a part of standard supply.*

-Offer for DM-65 (120-150 TPH) on request.