

FRESH CONCRETE WITHOUT LIMITATIONS OF TIME & DISTANCE-HAULMIX



Electronic Load cells for weighing all solid and liquid ingredients of Concrete.

High speed High Torque PAN Type Mixer with Patented Hydraulic drive

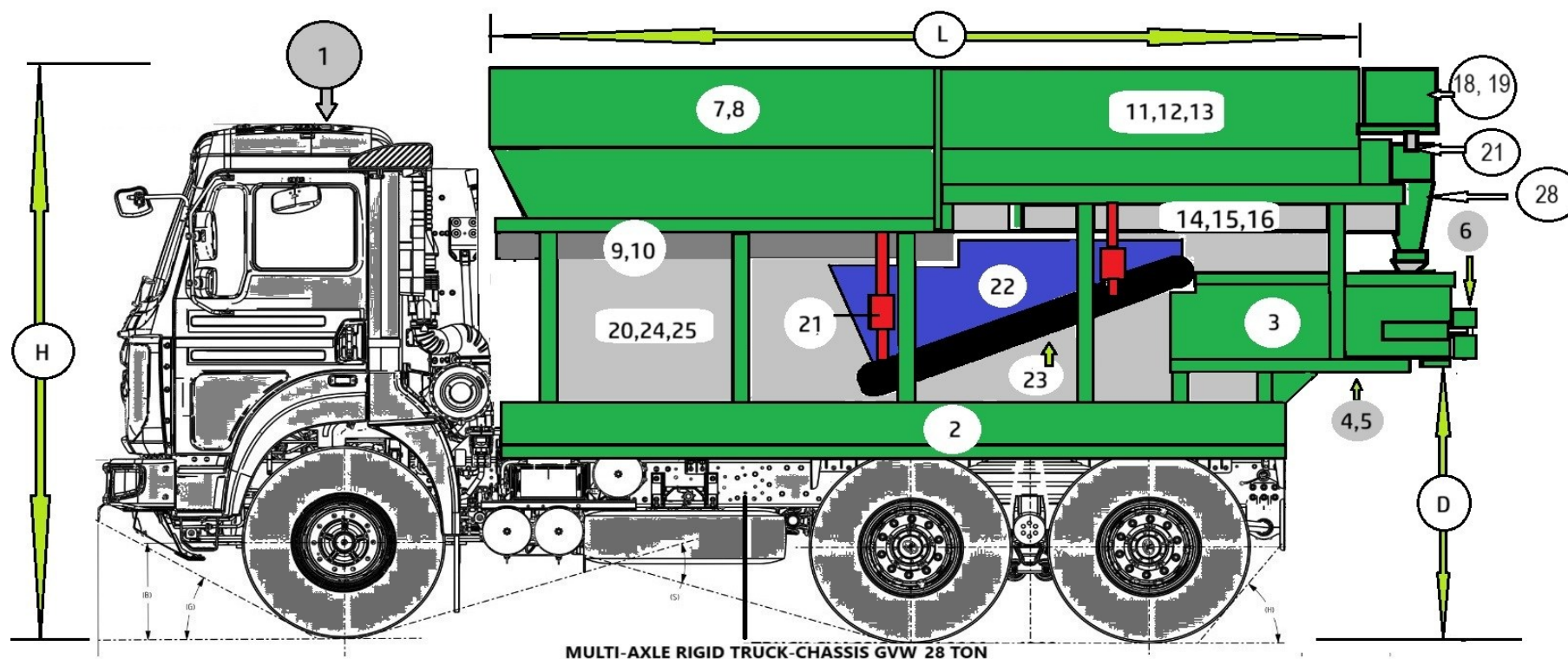
Fully Automatic PLC Control panel with data recording and Batch-sheet.



IME-HAULMIX Vision: HAULMIX™ Automatic Mobile Concrete Mixers have been designed for complete mobility, flexibility of operation, minimising the material wastages, overheads, saving the power and fuel, and avoiding any permanent construction at site for its operation. The word "HAULMIX" is a combination of Hauling- Transportation & Mixing. The HAULMIX Mixers produce concrete in the same way like conventional RMC plants. The only difference being the HAULMIX mixers do not need any installation or commissioning time or a dedicated piece of land and they can also transport concrete which is impossible with traditional RMC plants.

DESCRIPTION	Present RMC Set UP	HAULMIX™	BENEFIT TO THE END USER
Fixed Location	Required	Not Required	It adds to flexibility
Dedicated Land for RMC plant	Required	Not Required	It saves the capital cost
RMC Plant	Required	Not Required	It saves capital cost as well as operation cost.
High Power Connection/ Generator Back Up	Required	Not Required	It saves capital cost as well as operation cost.
Material Re-handling near urban areas	Required	Not Required	Option of Material loading away from urban or residential areas
Transit Mixers for transporting wet concrete	Required	Not Required	Material is transported at Dumper's cost.
Diesel consumption during material transport	Required	Not required	Diesel is saved and pollution eliminated.
Mix Design adjustment to account for TIME and DISTANCE of Wet Concrete Transport	Required	Not Required	Concrete is mixed only when it is required and hence no mix adjustment required.
Wastage disposal/ Recycling plants	Required	Not Required	No wastages or hot or rejected concrete.
Distance Limitation of concrete supply	Required	Not Required	No TIME and DISTANCE Limitations.

BASIC INTERNAL CONSTRUCTION & SCHEMATICS: MODEL HAULMIX-7-500



Items with * not shown in above schematics. Length (L) is suitable for loading by JCB/Tractor loader. Max. Loading height H= 3500 mm. D=1500 mm.

01	28 Ton GVW Truck	02	Fabricated Chassis	03	PAN Mixer	04	Planetary Gearbox for PAN Mixer
05	Radial Piston Hydraulic Motor	06	Hydraulic discharge gate	07	Aggregate Compartment 1	08	Aggregate Compartment 2
09	Belt Conveyor for Agg. 1	10	Belt Conveyor for Agg. 2	11	Aggregate Compartment 3	12	Cement Compartment
13	Fly-Ash/GGBS Compartment	14	Belt Conveyor for Agg. 3	15	Screw Conveyor for Cement	16	Screw Conveyor for FA/GGBS
17	Water Tanks *	18	Chemical Additive 1	19	Chemical Additive 2	20	Slave ENGINE
21	Electronic LOAD-CELLS	22	Material Weighing Hopper	23	Weigh Belt Conveyor	24	Main Hydraulic Pump
25	Hydraulic Oil Tank	26	Aggregate Belt gearboxes *	27	Hyd. Motor-sall conveyors *	28	Water and admix weigher
29	PLC Operation Panel *	30	Admix dosing Valves *	31	Water Pump Hyd. Motor *	32	Hydraulic DC valves & Manifold *



TECHNICAL SPECIFICATIONS:

		HAULMIX-7-500	HAULMIX-10-500	HAULMIX-12-500
01	Slave Engine	KOEL HA494 Four Cylinder Diesel engine	KOEL HA494 Four Cylinder Diesel engine	KOEL HA494 Four Cylinder Diesel engine
02	Concrete Transport Capacity	Approx. 6-7 Cubic meter	Approx 9-10 Cubic Meter	Approx 11-12 Cubic Meter
03	Capacity Per Batch	0.35/0.5/0.75	0.5/0.75	0.5/0.75
04	Aprox. Self Weight (Empty)	5000 Kg	5600 Kg	6000 Kg
05	Mixer	Heavy Duty PAN Mixer	Heavy Duty PAN Mixer	Heavy Duty PAN Mixer
06	Discharge Gate	Hydraulic	Hydraulic	Hydraulic
07	Aggregate Compartments	Three separate compartments for 10 mm, 20 mm & Sand	Three separate compartments for 10 mm, 20 mm & Sand	Three separate compartments for 10 mm, 20 mm & Sand
08	Binder Compartments	2 nos -Cement & FA/GGBS	2 nos -Cement & FA/GGBS	2 nos -Cement & FA/GGBS
09	Water Tanks- Two swivel-able interconnected water tanks	1800 Lt	2600 Lt	3120 Lt
10	Chemical additive Tank 1	40 Lt	55 Lt	70 Lt
11	Chemical Additive Tank 2	40 Lt	55 Lt	70 Lt
12	Electronic Load cells for all solid ingredients	1.5 Ton Each- 4 nos.	1.5 Ton Each 4 nos.	1.5 Ton each 4 Nos.
13	Electronic Load cells for all Liquid materials	200 Kg Each- 2 nos.	200 Kg Each -2 Nos.	Flow rate basis through PLC as per calibration
14	PLC operated Control system	Auto Control 500 with USB port with data recording & Batch-sheet storage	Auto Control 500 with USB port with data recording & Batch-sheet storage	Auto Control 500 with USB port with data recording & Batch-sheet storage
15	Drive System	Hydraulic	Hydraulic	Hydraulic

INDIAN MOBILE EQUIPMENT

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The Equipment has been duly patented in India and the designs, drawings have been protected under Design & Copyright Act. The Hydraulic system & the water storage system have been protected under Independent granted Patents.