















### III. CONFIGURATION

LB700	Specification	QTY	Picture
<b>1. Cold Aggregate Feeding System</b>	Four storage bins, capacity 6.5m <sup>3</sup> /each; unload height 2.7m	4	
	Variable speed discharge belt B500, size: B500*3400mm; each capacity: 2.8~30 Tons Per Hour	4	
	Aggregate feeder reducer: 2.2kw	4	
	Aggregate collecting belt B600, max. capacity: 80 Tons Per Hour	1	
	Oversize screen, aggregate ≥40mm will be taken out	1	
	reducer power:4kw	1	
	Aggregate conveying belt B500, max capacity: 80 Tons Per Hour Special design& characteristics: (1) aggregate hopper will covered with removable protect net to protect the motor; (2)it will spray anti-rust paint inside the hoppers; (3) Aggregate feeder will be stick with safety notice to protect operators. 4) Aggregate hopper will equip with protect plate to protect the belt when loading material.	1	 
<b>2. Drying Drum</b>	Drying drum dimensions: Φ1200X6300mm, max capacity 80 Tons Per Hour	1	
	Friction driving, motor 7.5kw	4	

	50mm rock wool isolation work, covering with stainless steel	1	
	Temperature sensor with infrared thermometer		
	(1) it will spray anti-rust paint inside the dryer; (2) Dryer outside will be stick with safety notice to protect operators.	1	
<b>3. Natural gas burning system</b>	A set of natural gas burner, automatic control.	1	 
	Equipped with automatic flame failure protection devices for emergency	1	
<b>4. Dust Collection System</b>	Cyclone filter (level one) and Water dust filter (level two)	1	
	Polluted water pump, power 3kw	2	
	One vent, motor power 18.5kw	1	
	Exhaust air temperature Sensor	1	
	Cold wind system	1	

5. Filler Supply System	Filler storage bin, volume: 0.5m <sup>3</sup>	1	
	Filler screw conveyor, capacity≥ 10 Tons Per Hour	1	
	Filler elevator, chains type, capacity≥ 20 Tons Per Hour	1	
6. Bitumen Supply System (conduction oil-heating type)	30t conduction oil heating bitumen tank	1	
	0.2 million Kcal diesel oil/natural gas heated conduction oil boiler: total power :10.45kw		
	All bitumen pipe	1	
	Bitumen pumps, heat valves, pipes	1	
7. Mixing Tower	Hot aggregates elevator, chains type, capacity≥ 80 Tons Per Hour	1	<p>(1)it will spray anti-rust paint inside the screen, mixer and hot bin;</p>  <p>(2) Outside the mixer will be stick with safety notice to protect operators.</p> 
	Circular vibration screen, capacity≥ 80 Tons Per Hour	1	
	Hot aggregate storage hopper, 4+1 rooms, total volume 15m <sup>3</sup>	1	
	Weighing system: aggregate: 1000kg/batch; filler: 80kg/batch; bitumen: 50kg/batch;	1	
	Mixing system	1	
	Twin shaft mixer: 800kg/batch		
	Mixing time 15-20s, cycle time 45s, motor power 15kw*2	1	
	Steel structure, support feet, ladder and platform.	1	

	(3) The mixing tower is designed especially for container type, and convenient for fast erection and save shipping cost for client;		
8. Pneumatic System	Air compressor, 3.7Nm³/min, 22kw	1	
	Pipe line, valve, pneumatic components.	1	
	Air storage tank: 1000L	1	
9. Electrical Control System	Electrical motor control system	1	<p>(1)The control panel and operation software could be displayed in Russia or English according to the client request.</p>  <p>2) The main electric parts will be applied with international famous SIMENS brand.</p> 
	Aggregate, bitumen and filler control system		
	Contactor, International famous SIMENS BRAND	2	
	Time relay International famous SIMENS BRAND	2	
	Infrared thermometer, computer auto control	1	
	Burner control system	1	
	PLC control system, auto start/firing, safety monitoring, automatic fault protection		
	PLC control, color display, auto weighing, auto error compensation, formula input, printing output		
	Mixing control system	1	
	PLC control, manual/auto operation, formula input		



	Control room: 4000*2200*2300mm	1	
10. Additional supply	Spare parts	1	
	Working tools	1	

### ---Note---

#### Standard working condition mentioned contains the following factors

- A. Environmental temperature is 20 °C with standard atmospheric pressure; altitude ≤2000m;
- B. Average moisture content of cold aggregate <5%;
- C. Hot aggregate temperature <160 °C;
- D. Finished materials is medium-grained, the stone volume-weight ≥1600kg/m<sup>3</sup>;
- E. Sand content <35%;
- F. The ratio of aggregate shall meet the national standard. Dust content of cold aggregate ≤3%;
- G. Cold aggregate should be clean enough without too much dirt or other material. Cold aggregate gradation should be continuous;
- H. Cold aggregate shall not contain large amounts of oversized material, otherwise it will cause blocking, resulting in reduced ability to supply aggregate;
- I. Moisture content of powder must be less than 0.5%, and there should be no lumping or arching, otherwise it will cause supplying interruption or lag, which can affect the productivity;

## IV. PICTURES



Company overview



Company overview



Saudi Araba Client visit



Saudi Araba Client visit



Plant delivery



Plant delivery



MDHB40 in England worksite



DHB80 worksite

MDHB40 Asphalt Plant at Worksite



MDHB20 Asphalt Plant at Worksite



DHB60 Asphalt Plant at Worksite

MDHB60 Asphalt Plant at Worksite



**(1) LB1500 Asphalt plant in Lebanon worksite:**



**(2) LB3000 Asphalt Plant in Russia worksite:**



**(3) LB1500Asphalt Batch Plant in Malaysia worksite:**



**(4) YLB1000 mobile asphalt plant in Ethiopia:**





# LB700(60T/H) ASPHALT MIXING PLANT QUOTATION

H.S code: 84743200

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LB1500 Asphalt Batching Plant in Russia

## I. TECHNICAL PARAMETER

<b>Model</b>	YDLB702 0 2 2 Asphalt Mixing Plant
Type	Batch Mix / Hot Mix
<b>Capacity</b>	60Tons Per Hour (Standard Working Condition, <a href="#">learn more</a> )
Mixer	700kg/batch
Fuel Consumption	Natural gas consumption: 8m <sup>3</sup> /ton
Weighing Precision	Hot aggregate $\pm 0.5\%$ ; bitumen $\pm 0.3\%$ ; filler: $\pm 0.2\%$
Hot Asphalt Temperature	130℃-160℃ (adjustable)
Air Emissions	$\leq 50\text{mg}/\text{Nm}^3$
Working Noise	$\leq 70\text{db(A)}$
Operation	Full Auto/Manual Operation
Installation Power	157kw
Electrical Design	380V-50Hz, 3phase
Plant Covering Space required	35m length, 26m width, max height point 15m
Documents	Lay-Out/ Electric Circuit Diagram; Chinese-English Operation Manual; Qualification Certificate