

HBTZ Series

Application: Water conservancy & Tunnel projects , site mixing
 Crushed stone concrete (bad liquidity & absorption)
 Pumping Distance \leq 200M

Model: HBTZ60-10-90
 HBTZ70-08-90
 HBTZ70-08-75

| Main Technical Parameter | | HBTZ70-08-75 | HBTZ70-08-90 | HBTZ60-10-90 | |
|---------------------------------------|--------------------|--------------------|--------------|----------------|--|
| Items | Units | Parameter | | | |
| Concrete Output | m ³ /h | 76 | | 67 | |
| Concrete Pressure | MPa | 8 | | 10 | |
| Pumping Distance | Horizontal | 500 | | 600 | |
| | Vertical | 100 | | 110 | |
| Main Oil Pump | Model | LY-A8V107 (LIYUAN) | | | |
| | Rated Pressure | MPa | 32 | | |
| | Rated Displacement | ML/r | (107X2=)214 | | |
| Electric Motor | Model | Y280S-4 | Y280M-4 | | |
| | Rated Pressure | V/Hz | 380/50 | | |
| | Rated Power | kW | 75 | 90 | |
| | Rated Speed | r/min | 1480 | | |
| Main Cylinder/Rod DiameterXStroke | mm | Φ100/Φ70X1600 | | Φ110 /Φ70X1600 | |
| Concrete Cylinder/Rod DiameterXStroke | mm | Φ200X1600 | | | |
| Hopper Capacity /Height | L/mm | 600/1450 | | | |
| Dimensions | mm | 6242X2073X2340 | | | |
| Weight | kg | 5700 | 5800 | 5900 | |
| Maximum Speed | km/h | 16 | | | |
| Maximum Aggregate Size | mm | 40 | | | |



HBTS Series

Application 1: Municipal Project & building construction

Commercial concrete (Good liquidity & absorption)

-30M ≤ Pumping Height ≤ 120M

Model: HBTS80-13-90

HBTS60-16-90 (High-Pressure Pump)

HBTS80-13-110

HBTS60-16-110 (High-Pressure Pump)

| Main Technical Parameter | | | HBTS60-16-90 (High-Pressure Pump) | | HBTS80-13-90 | |
|---------------------------------------|----------------------|--------------------|--------------------------------------|---------------------------|-------------------------------|---------------------------|
| Items | Unit | Parameter | | | | |
| Concrete Output | Low Pressure | m ³ /h | 66 | | 82 | |
| | High Pressure | | 39 | | 48 | |
| Concrete Pressure | Low Pressure | MPa | 9.2 | | 7.4 | |
| | High Pressure | | 15.7 | | 12.5 | |
| Pumping Distance | Horizontal | m | 1000 | | 820 | |
| | Vertical | | 230 | | 180 | |
| Main Oil Pump | Model | LY-A8V107 (LIYUAN) | | | | |
| | Rated Pressure | MPa | 32 | | | |
| | Rated Displacement | ML/r | (107X2)=214 | | | |
| Electric Motor | Model | | Y280S-4 | Y315S-4 | Y280M-4 | Y315S-4 |
| | Rated Pressure | V/HZ | 380/50 | | | |
| | Rated Power | kW | 90 | 110 | 90 | 110 |
| | Rated Speed | r/min | 1480 | | | |
| Main Cylinder/Rod DiameterXStroke | | mm | Φ140/Φ90X1600 | | Φ125/Φ80X1600 | |
| Concrete Cylinder/Rod DiameterXStroke | | mm | Φ200X1600 | | | |
| Hopper Capacity /Height | | L/mm | 680/1395 | | | |
| Dimensions | | mm | 6054X2073X2340 | | | |
| Weight | | kg | 5900 | 6200 | 5700 | 6000 |
| Maximum Speed | | km/h | 16 | | | |
| Maximum Aggregate Size | | mm | (Pebbles) 50 ; (Macadam) 40 | | | |
| Concrete Slump | | mm | 80-230 | | | |
| Optional Accessory | Soft-starting Device | | Without | With | Without | With |
| | Cables | m | Suggest 50mm ² | Suggest 70mm ² | Suggest 50mm ² | Suggest 70mm ² |
| | Pipeline | m | Suggest 125High-pressure Pipe | | Suggest 125 Low-pressure Pipe | |



Application2: Piling in infrastructure projects;

Commercial concrete or site mixing;

Total height $\leq 70M$

These type are with small size, little space taking and flexible moving, without high pressure and long pumping distance, no high-low pressure switch and mixing

Models: HBTS40-08-37

HBTS40-08-45

| Main Technical Parameter | | HBTS40-08-37 | HBTS50-08-45 |
|---------------------------------------|--------------------|----------------|----------------|
| Items | Units | Parameter | |
| Concrete Output | m ³ /h | 40 | 50 |
| Concrete Pressure | MPa | 8 | 8 |
| Pumping Distance | Horizontal | 480 | 480 |
| | Vertical | 100 | 100 |
| Main Oil Pump | Model | A7V117LV2 | A7V160LV2 |
| | Rated Pressure | MPa | 32 |
| | Rated Displacement | ML/r | 117 |
| Electric Motor | Model | Y2-225S-4 | Y2-225M-4 |
| | Rated Pressure | V/HZ | 380/50 |
| | Rated Power | kW | 37 |
| | Rated Speed | r/min | 1480 |
| Main Cylinder/Rod DiameterXStroke | mm | Φ100/Φ70X1000 | Φ100/Φ70X1200 |
| Concrete Cylinder/Rod DiameterXStroke | mm | Φ200X1000 | Φ200X1200 |
| Hopper Capacity /Height | L/mm | 600/1350 | 600/1350 |
| Dimensions | mm | 4715X1250X1817 | 5118X1250X1817 |
| Weight | kg | 4000 | 4500 |
| Maximum Speed | km/h | 16 | 16 |
| Maximum Aggregate Size | mm | 50 | 50 |
| Concrete Slump | mm | 120-200 | 120-200 |



Application3: As a instead of Electric Motor-driven pump when lack of power

Models: HBTS60-10-140R
 HBTS50-10-75R
 HBTS80-16-140R

| Main Technical Parameter | | | HBTS80-16-140R | HBTZ60-10-140R | HBTS50-10-75R |
|---|--------------------|-------------------|----------------------|----------------|----------------|
| Items | Units | Parameter | | | |
| Concrete Output | Low Pressure | m ³ /h | 84 | 66 | 56 |
| | High Pressure | | 49 | | |
| Concrete Pressure | Low Pressure | MPa | 7.4 | 10 | 10 |
| | High Pressure | | 12.5 | | |
| Pumping Distance(High Pressure Condition) | Horizontal | m | 820 | 550 | 550 |
| | Vertical | | 180 | 110 | 110 |
| Main Oil Pump | Model | | K3V112x2 (Kawasaki) | | A7V160 |
| | Rated Pressure | MPa | 32 | 32 | 32 |
| | Rated Displacement | ML/r | 224 | 224 | 160 |
| Engine | Model | | YC6108ZGB(Yuchai) | | YC4B100G |
| | Rated Power | kW | 140 | 140 | 75 |
| | Rated Speed | r/min | 2300 | 2300 | 2200 |
| Main Cylinder/Rod DiameterXStroke | | mm | Φ140/Φ90X1800 | Φ110/Φ70X1800 | Φ110/Φ70X1400 |
| Concrete Cylinder/Rod DiameterXStroke | | mm | Φ200X1800 | Φ200X1800 | Φ200X1400 |
| Hopper Capacity /Height | | L/mm | 680/1390 | 750/1430 | 600/1350 |
| Dimensions | | mm | 6500X2073X2700 | 6500X2073X2700 | 6000X1250X2050 |
| Weight | | kg | 6300 | 6300 | 5000 |
| Maximum Speed | | km/h | 16 | 16 | 16 |
| Maximum Aggregate Size | | mm | 40 | 50 | 40 |
| Concrete Slump | | mm | 80-230 | 50-230 | 80-230 |



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