

# HEAVY DUTY

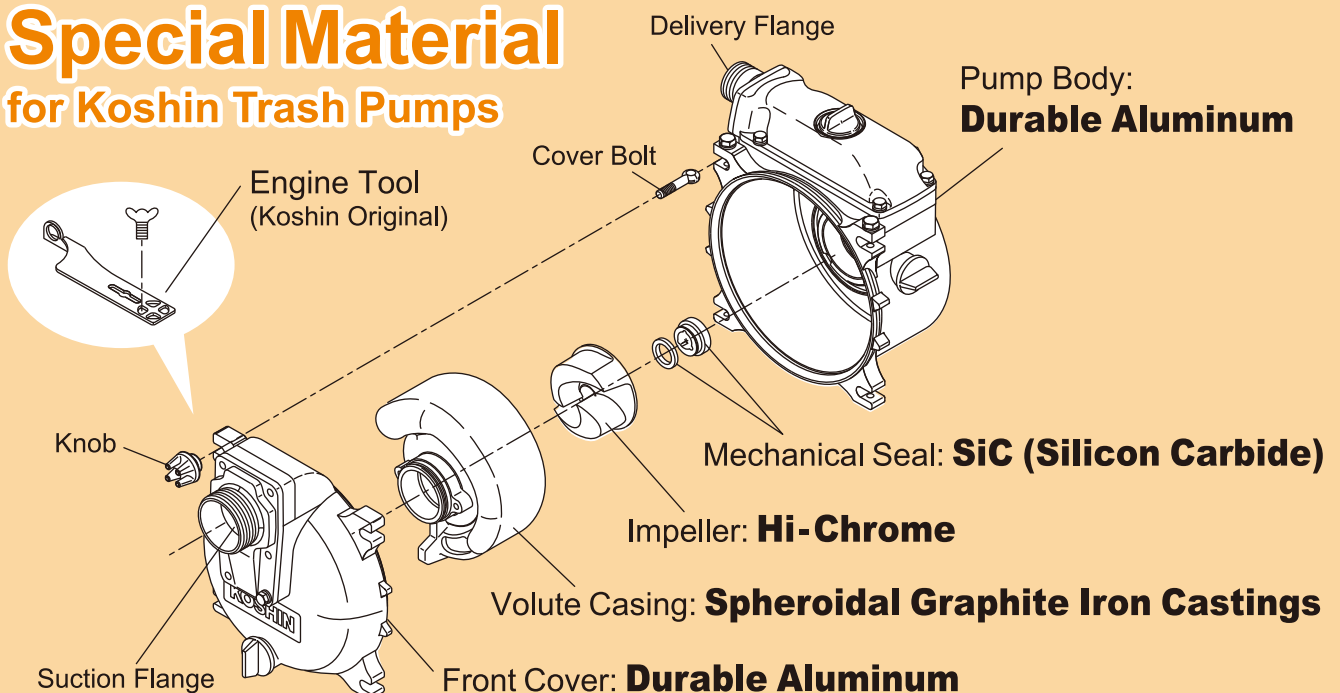
## Koshin Trash Pumps

- **Reasonable price**  
About 30% less price compared to same quality trash pumps.  
The most affordable price ever.
- **Excellent Quality**  
Provides powerful performance and long durability with New KOSHIN engine and enhanced pump.
- **Easy maintenance**  
Thoughtful flame for easy replacement of carburetor.  
You can clear inside of pump by simply removing pump casing with only one tool.

### Easy & Quick Maintenance



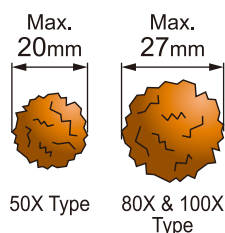
### Special Material for Koshin Trash Pumps



# Heavy Duty Trash Pumps

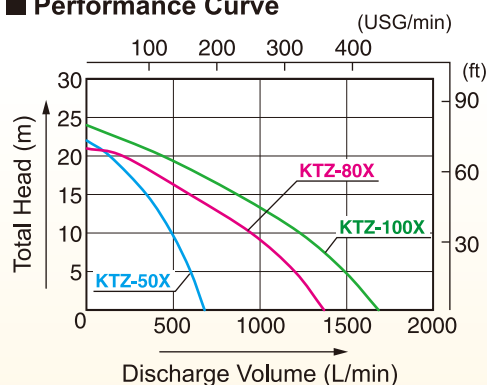


## Solid Sizes



KTZ-80X

## Performance Curve



KTZ-100X

## Specification

| Model                        | KTZ-50X                                                                                       | KTZ-80X                    | KTZ-100X                    |
|------------------------------|-----------------------------------------------------------------------------------------------|----------------------------|-----------------------------|
| Connection Dia               | 50 mm(2")                                                                                     | 80 mm(3")                  | 100 mm(4")                  |
| Connection Thread            | Outer Pipe Thread BSP or NPT                                                                  |                            |                             |
| Total Head                   | 22 m (72 ft)                                                                                  | 21 m (68 ft)               | 24 m (78 ft)                |
| Discharge Volume             | 680 L/min (179 USG/min)                                                                       | 1370 L/min (361 USG/min)   | 1680 L/min (443 USG/min)    |
| Max.Suction Lift             | 8 m (26 ft)                                                                                   |                            |                             |
| Material for Mechanical Seal | Sic (Silicon Carbide) × Sic                                                                   |                            |                             |
| Material for Impeller        | Hi-Chrome                                                                                     |                            |                             |
| Material for Volute          | FCD 450                                                                                       |                            |                             |
| Type                         | Forced Air-Cooled 4-stroke Gasoline Engine                                                    |                            |                             |
| Model                        | Koshin K180                                                                                   | Koshin K300                | Koshin K420                 |
| Displacement                 | 179 cc                                                                                        | 301 cc                     | 420 cc                      |
| Rated Output                 | 3.1 kW (4.2PS) / 3600 rpm                                                                     | 5.0 kW (6.8 PS) / 3600 rpm | 7.2 kW (9.8 PS) / 3600 rpm  |
| Max. Output                  | 3.5 kW (4.8PS) / 3600 rpm                                                                     | 6.0 kW (8.2 PS) / 3600 rpm | 8.6 kW (11.7 PS) / 3600 rpm |
| Fuel                         | Automotive Unleaded Gasoline                                                                  |                            |                             |
| Fuel Tank Capacity           | 3.6 L (0.95 USG)                                                                              | 5.9 L (1.5 USG)            | 5.9 L (1.5 USG)             |
| Continuous Operating Time    | Approx. 2.0 hrs                                                                               |                            | Approx. 1.5 hrs             |
| Starting Method              | Recoil Starter                                                                                |                            |                             |
| Standard Accessories         | 1 Strainer, 3 Hose Bands, 1 Engine Tool Set, 1 Multi Tool Wrench (BSP Type: 2 Hose Couplings) |                            |                             |
| Net Weight                   | 48.1 kg (106.0 lbs)                                                                           | 61.6 kg (135.8 lbs)        | 78.2 kg (172.4 lbs)         |
| Gross Weight                 | 54 kg (119 lbs)                                                                               | 68.4 kg (150.8 lbs)        | 88.0 kg (194.0 lbs)         |
| Dimensions L×W×H (mm)        | 703 × 579 × 542                                                                               | 726 × 579 × 603            | 816 × 621 × 632             |
| Packing Unit                 | 1                                                                                             |                            |                             |

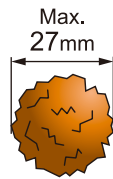
# New Design with Easy Maintenance

## Powered by KOSHIN K300 & K420

- The front cover can be removed easily without removing hoses
- Handles on the front cover can be installed in vertical or horizontal position
- Easy removal of knobs
- New Impeller design with hexagon boss for easy installation and removal



### Solid Sizes

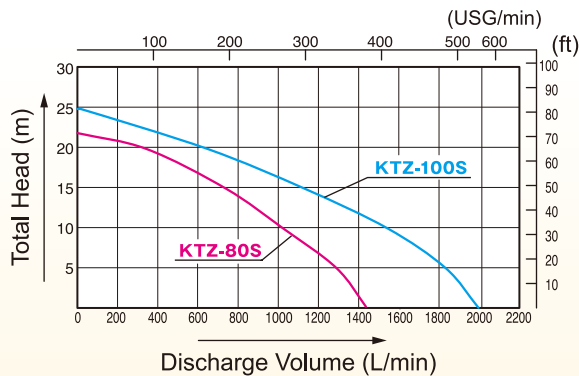


80S & 100S Type



KTZ-80S

## Performance Curve



KTZ-100S

## Specification

| Model                        | KTZ-80S                                                                                       | KTZ-100S                    |
|------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------|
| Connection Dia               | 80 mm(3")                                                                                     | 100 mm(4")                  |
| Connection Thread            | Outer Pipe Thread BSP or NPT                                                                  |                             |
| Total Head                   | 22 m (72 ft)                                                                                  | 25 m (82 ft)                |
| Discharge Volume             | 1420 L/min (375 USG/min)                                                                      | 1980 L/min (523 USG/min)    |
| Max.Suction Lift             | 8m (26 ft)                                                                                    |                             |
| Material for Mechanical Seal | Sic (Silicon Carbide) × Sic                                                                   |                             |
| Material for Impeller        | Hi-Chrome                                                                                     |                             |
| Material for Volute          | FCD450                                                                                        |                             |
| Type                         | Forced Air-Cooled 4-stroke Gasoline Engine                                                    |                             |
| Model                        | Koshin K300                                                                                   | Koshin K420                 |
| Displacement                 | 301cc                                                                                         | 420cc                       |
| Rated Output                 | 5.0 kW (6.8 PS) / 3600 rpm                                                                    | 7.2 kW (9.8 PS) / 3600 rpm  |
| Max. Output                  | 6.0 kW (8.2 PS) / 3600 rpm                                                                    | 8.6 kW (11.7 PS) / 3600 rpm |
| Fuel                         | Automotive Unleaded Gasoline                                                                  |                             |
| Fuel Tank Capacity           | 5.9L (1.5 USG)                                                                                |                             |
| Continuous Operating Time    | Approx. 2 hrs                                                                                 | Approx. 1.5 hrs             |
| Starting Method              | Recoil Starter                                                                                |                             |
| Standard Accessories         | 1 Strainer, 3 Hose Bands, 1 Engine Tool Set, 1 Multi Tool wrench (BSP Type: 2 Hose Couplings) |                             |
| Net Weight                   | 65.3 kg (144.0 lbs)                                                                           | 81.2 kg (179.0 lbs)         |
| Gross Weight                 | 72.6 kg (160.1 lbs)                                                                           | 90.5 kg (199.5 lbs)         |
| Dimensions L×W×H(mm)         | 729 × 589 × 602                                                                               | 800 × 621 × 624             |
| Packing Unit                 | 1                                                                                             |                             |