TSURUMI PUMP **AUSTRALIA** Discharge Bore: Series:

Motor Output / Pole:

Drainage Pumps

1.5 - 5.5kW / 2-pole



KTZ

The KTZ-series is a submersible three-phase cast iron high head heavy-duty drainage pump. The cast iron body with high-chromium cast iron impeller enables it to withstand demanding conditions found in construction, aggregate and mining applications. The top discharge, side flow design assures efficient motor cooling even when it operates with its motor exposed to air. The slim design allows the pump to be placed in a confined space. The discharge direction is selectable between vertical and inclined, which prevents folding or bending of the discharge hose.

Registration of Design

50.80mm

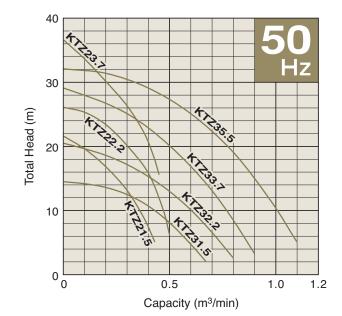
Tsurumi has registered the design of the KTZ-series in major countries. Design rights are granted under the laws of each country.

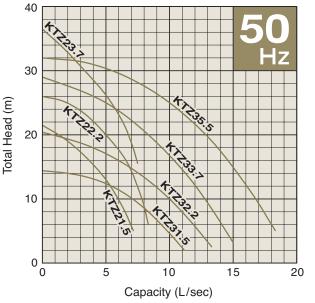
Selection Table

Model	Discharge Bore	Motor Output	Phase	Starting Method	Pole	Dry Weight
	mm	kW				kg
KTZ21.5	50	1.5	3-phase	Direct on Line	2	35
KTZ22.2 (*)	50	2.2	3-phase	Direct on Line	2	36
KTZ23.7 (*)	50	3.7	3-phase	Direct on Line	2	62
KTZ31.5	80	1.5	3-phase	Direct on Line	2	34
KTZ32.2 (*)	80	2.2	3-phase	Direct on Line	2	35
KTZ33.7 (*)	80	3.7	3-phase	Direct on Line	2	62
KTZ35.5 (*)	80	5.5	3-phase	Direct on Line	2	76

available for 1000V supply

Performance Curves





SPECIFICATIONS

AUSTRALIA

KTZ21.5

Drainage Pumps KTZ-series

1.5kW, 3-phase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 50mm (2"), Multi-directional BSPT Male Threaded Coupling

Motor Output 1.5kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V – 3.6A

Power Cable

415V: PVC sheathed 600V cable (H07VV-F equiv.) Standard Length: 15m x 1 cable 4 x 1.25mm², O.D. 11.1mm

Dry Weight (excluding cable) 35kg

Impeller Semi-open impeller made of high-chromium cast iron

Solids Passage: #8.5mm

Cable Entry with Anti-Wicking Block

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Oil Seal (Lip Seal) Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 740ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

Optional Accessories

Multi-directional Hose Nipple

Special Specifications (415V only)

High Temperature Liquids Version (60°C)

SPECIFICATIONS

AUSTRALIA

KTZ22.2

Drainage Pumps KTZ-series

			_
2.2	kW.	3-p	hase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 50mm (2"), Multi-directional BSPT Male Threaded Coupling

Motor Output 2.2kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V - 5.3A 1000V - 2.2A

Power Cable

415V: PVC sheathed 600V cable (H07VV-F equiv.) Standard Length: 15m x 1 cable 4 x 1.25mm², O.D. 11.1mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 36kg

Impeller Semi-open impeller made of high-chromium cast iron

Solids Passage: #8.5mm

Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The anti-

wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Oil Seal (Lip Seal) Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 740ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode

The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

AUSTRALIA

Drainage Pumps

KTZ-series SPECIFICATIONS **KTZ23.7** Model 3.7kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #8.5mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 50mm (2"), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 3.7kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Oil Seal (Lip Seal) Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68 Used as a "Dust Seal", it protects the mechanical seal from abrasive particles. No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz) **OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating Power Supply Voltages & Rated Currents oil to the mechanical seal and continues to supply the oil 50Hz to the upper seal faces even if lubricant falls below the 415V - 8.0A 1000V - 3.6A rated volume.

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 2.0mm², O.D. 14.4mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 62kg

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 1250ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple Seawater-Resistant Kit

- Galvanic Anodes (with Fittings, Seal Putty)
- Seawater-Resistant Special Cast Iron Impeller

Special Specifications (415V only)

High Temperature Liquids Version (60°C)

AUSTRALIA

Drainage Pumps KTZ-series SPECIFICATIONS **KTZ31.5** Model 1.5kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #8.5mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 80mm (3"), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 1.5kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Oil Seal (Lip Seal) Insulation Class: 415V: F Degree of Protection: IP68 Used as a "Dust Seal", it protects the mechanical seal from abrasive particles. No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz) **OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating Power Supply Voltages & Rated Currents oil to the mechanical seal and continues to supply the oil 50Hz to the upper seal faces even if lubricant falls below the 415V - 3.6A rated volume. **Power Cable** Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 740ml 415V: PVC sheathed 600V cable (H07VV-F equiv.) Standard Length: 15m x 1 cable **Motor Protection Device** 4 x 1.25mm², O.D. 11.1mm 415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Dry Weight (excluding cable) Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor. 34kg

Optional Accessories

Multi-directional Hose Nipple

Special Specifications (415V only)

High Temperature Liquids Version (60°C)

Δυστράιια

TSURUMI PUMP		AUST	RALIA	Drainage Pumps
SPECIFICATIONS	Model	KT2	200	KTZ-series
SPECIFICATIONS	wodei	NIZ	32.2	2.2kW, 3-phase
SPECIFICATIONSType of Pump Submersible high head dra and foundation works, floodType of Fluid Stormwater, groundwater, w sand-carrying waterTemperature: 0 to 40°CDischarge Bore & Conne 80mm (3"), Multi-directional BSPT MaleMotor Output 2.2kWPower Supply Three-phaseStarting Method Direct on LineMotor Continuous-duty rated, dry- Insulation Class: 415V: F, 10 Degree of Protection: IP68No. of Poles & Speed (Sync 2-pole, 3000min ⁻¹ (50Hz)Power Supply Voltages & Ra 50Hz 415V – 5.3A 1000V - 2.2APower Cable	water drainage, etc. vash water, and ection Threaded Coupling type induction moto D00V: H chronous Speed) ated Currents	nstruction	32.2 Impeller Semi-open impeller made of Solids Passage: #8.5mm Cable Entry with Anti-Wid Watertight cable entry with s wicking block prevents wate action should the power cat submerged. Bearing Permanently lubricated, dea C3 ball bearings Shaft 420 stainless steel Shaft Seal (Mechanical See Furnished with a double-face oil chamber. Both upper and in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC Oil Seal (Lip Seal) Used as a "Dust Seal", it pre from abrasive particles. OIL LIFTER Equipped in oil chamber. It oil to the mechanical seal an to the upper seal faces ever rated volume. Type of Lubricating Oil & Volu	2.2kW, 3-phase high-chromium cast iron cking Block etrain-relief device. The anti- rr incursion due to capillary ole be damaged or the end ep-groove, double-shielded eal) e mechanical seal located in lower seal faces always run otects the mechanical seal forcibly supplies lubricating d continues to supply the oil n if lubricant falls below the
415V: PVC sheathed 600V cable (Standard Length: 15m x 1 c 4 x 1.25mm ² , O.D. 11.1mm 1000V: PCP sheathed, overall scree PLATINUM®, 1.1/1.1kV, MES Standard Length: 20m x 1 c 3 x 2.5mm ² + GC control + 3	able ened 1.1kV Mining o S5G2.5SCR able 2 x Ground, O.D. 18 cceptable Macey® 4 ble)	.8mm	Turbine Oil (ISO VG32), 740n Motor Protection Device 415V: Circle Thermal Protector I Directly cuts the motor circui or an overcurrent condition o 1000V: MTP & Ground-Check The MTPs are connected v series into the Ground-Check If excessive heat builds up a or Ground-fault happens, the off by using an external contr	nl built in the motor housing. t if excessive heat builds up ccurs in the motor. K Diode with a diode (3A-1000V) in k circuit in the motor. and the bimetal strip opens, e power supply can be shut
Multi-directional Hose N	lipple			

AUSTRALIA

Drainage Pumps KTZ-series SPECIFICATIONS **KTZ33.7** Model 3.7kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #8.5mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 80mm (3"), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 3.7kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Oil Seal (Lip Seal) Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68 Used as a "Dust Seal", it protects the mechanical seal from abrasive particles. No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz) **OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating Power Supply Voltages & Rated Currents oil to the mechanical seal and continues to supply the oil 50Hz to the upper seal faces even if lubricant falls below the 415V - 8.0A 1000V - 3.6A rated volume. **Power Cable** Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 1250ml 415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable **Motor Protection Device** 4 x 2.0mm², O.D. 14.4mm 415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. 1000V: Directly cuts the motor circuit if excessive heat builds up PCP sheathed, overall screened 1.1kV Mining cable or an overcurrent condition occurs in the motor. PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 1000V: MTP & Ground-Check Diode 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm The MTPs are connected with a diode (3A-1000V) in (acceptable Macey® 4-pin Plug) series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut Dry Weight (excluding cable) off by using an external control panel. 62kg

Optional Accessories

Multi-directional Hose Nipple Seawater-Resistant Kit

- · Galvanic Anodes (with Fittings, Seal Putty)
- Seawater-Resistant Special Cast Iron Impeller

Special Specifications (415V only)

High Temperature Liquids Version (60°C)

TSURUMI PUMP **AUSTRALIA Drainage Pumps** Discharge Bore: Series: Motor Output / Pole:

KTZ

100.150mm

3.7 - 22kW / 2-pole

70



The KTZ-series is a submersible three-phase cast iron high head heavy-duty drainage pump. The cast iron body with high-chromium cast iron impeller enables it to withstand demanding conditions found in construction, aggregate and mining applications. The top discharge, side flow design assures efficient motor cooling even when it operates with its motor exposed to air. The slim design allows the pump to be placed in a confined space. The discharge direction is selectable between vertical and inclined, which prevents folding or bending of the discharge hose. The pump with 7.5 to 22kW motor incorporates seal pressure relief ports that prevent the pumping pressure from applying to the shaft seal.

Registration of Design

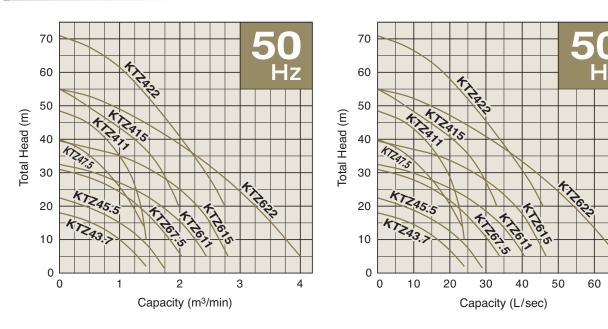
Tsurumi has registered the design of the KTZ-series in major countries. Design rights are granted under the laws of each country.

Selection Table

Model	Discharge Bore	Motor Output	Phase	Starting Method	Pole	Dry Weight
	mm	kW				kg
KTZ43.7 (*)	100	3.7	3-phase	Direct on Line	2	62
KTZ45.5 (*)	100	5.5	3-phase	Direct on Line	2	77
KTZ47.5 (*)	100	7.5	3-phase	Direct on Line	2	104
KTZ411 (*)	100	11	3-phase	Direct on Line	2	133
KTZ415 (*)	100	15	3-phase	Direct on Line	2	146
KTZ422 (*)	100	22	3-phase	Direct on Line	2	295
KTZ67.5 (*)	150	7.5	3-phase	Direct on Line	2	103
KTZ611 (*)	150	11	3-phase	Direct on Line	2	133
KTZ615 (*)	150	15	3-phase	Direct on Line	2	147
KTZ622 (*)	150	22	3-phase	Direct on Line	2	296

*: available for 1000V supply

Performance Curves



AUSTRALIA

Drainage Pumps KTZ-series SPECIFICATIONS **KTZ43.7** Model 3.7kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #8.5mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 100mm (4["]), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 3.7kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Oil Seal (Lip Seal) Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68 Used as a "Dust Seal", it protects the mechanical seal from abrasive particles. No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz) **OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating Power Supply Voltages & Rated Currents oil to the mechanical seal and continues to supply the oil 50Hz to the upper seal faces even if lubricant falls below the 415V - 8.0A 1000V - 3.6A rated volume. **Power Cable** Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 1250ml 415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable **Motor Protection Device** 4 x 2.0mm², O.D. 14.4mm 415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. 1000V: Directly cuts the motor circuit if excessive heat builds up PCP sheathed, overall screened 1.1kV Mining cable or an overcurrent condition occurs in the motor. PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 1000V: MTP & Ground-Check Diode 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm The MTPs are connected with a diode (3A-1000V) in (acceptable Macey® 4-pin Plug) series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut Dry Weight (excluding cable) off by using an external control panel. 62kg

Optional Accessories

Multi-directional Hose Nipple Seawater-Resistant Kit

- · Galvanic Anodes (with Fittings, Seal Putty)
- Seawater-Resistant Special Cast Iron Impeller

Special Specifications (415V only)

High Temperature Liquids Version (60°C)

SPECIFICATIONS

AUSTRALIA

KTZ45.5

Impeller

Drainage Pumps

KTZ-series

5.5kW, 3-phase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 100mm (4"), Multi-directional BSPT Male Threaded Coupling

Motor Output 5.5kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V - 11.3A 1000V - 4.6A

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 3.5mm², O.D. 16.8mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 77kg

Semi-open impeller made of high-chromium cast iron Solids Passage: #8.5mm

Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Oil Seal (Lip Seal) Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 1100ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

Special Specifications (415V only)

High Temperature Liquids Version (60 • 80°C)

SPECIFICATIONS

AUSTRALIA

KTZ47.5

Drainage Pumps KTZ-series

7.5kW, 3-phase

Type	of	Dum	
Туре	01	Pump)

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 100mm (4"), Multi-directional BSPT Male Threaded Coupling

Motor Output 7.5kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V – 14.9A 1000V – 6.2A

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 5.5mm², O.D. 19.8mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 104kg

Impeller

Semi-open impeller made of high-chromium cast iron

Solids Passage: #12mm

Cable Entry with Anti-Wicking Block

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Labyrinth Ring

Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure generated in the casing.

Pressure Relief Ports

Protect the mechanical seal against excessive pressure, and also protect the seal faces from abrasive particles by drawing the particles away.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 760ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

Special Specifications (415V only)

High Temperature Liquids Version (60 • 80°C)

AUSTRALIA

Drainage Pumps KTZ-series SPECIFICATIONS KTZ411 Model 11kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #12mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 100mm (4["]), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 11kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Insulation Class: 415V: F, 1000V: H Labyrinth Ring Degree of Protection: IP68 Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure No. of Poles & Speed (Synchronous Speed) generated in the casing. 2-pole, 3000min⁻¹ (50Hz) **Pressure Relief Ports** Power Supply Voltages & Rated Currents Protect the mechanical seal against excessive pressure, 50Hz and also protect the seal faces from abrasive particles 415V - 21.6A 1000V - 9.0A by drawing the particles away. **Power Cable OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating 415V: PCP sheathed 600V cable (H07RN-F equiv.) oil to the mechanical seal and continues to supply the oil Standard Length: 15m x 1 cable to the upper seal faces even if lubricant falls below the 4 x 5.5mm², O.D. 19.8mm rated volume. 1000V: Type of Lubricating Oil & Volume PCP sheathed, overall screened 1.1kV Mining cable Turbine Oil (ISO VG32), 760ml PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable **Motor Protection Device** 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm 415V: Circle Thermal Protector (CTP) (acceptable Macey® 4-pin Plug) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor. Dry Weight (excluding cable) 133kg 1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel. Optional Accessories **Special Specifications** (415V only) High Temperature Liquids Version (60 • 80°C) **Multi-directional Hose Nipple** Seawater-Resistant Kit

TSURUMI AUSTRALIA PTY LTD

 Galvanic Anodes (with Fittings, Seal Putty) Seawater-Resistant Special Cast Iron Impeller

SPECIFICATIONS

AUSTRALIA

KTZ415

KTZ-series

Drainage Pumps

15kW, 3-phase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 100mm (4"), Multi-directional BSPT Male Threaded Coupling

Motor Output 15kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V – 27.4A 1000V – 12.1A

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 5.5mm², O.D. 19.8mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 146kg

Impeller

Semi-open impeller made of high-chromium cast iron

Solids Passage: #12mm

Cable Entry with Anti-Wicking Block

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal)

Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Labyrinth Ring

Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure generated in the casing.

Pressure Relief Ports

Protect the mechanical seal against excessive pressure, and also protect the seal faces from abrasive particles by drawing the particles away.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 820ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode

The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

AUSTRALIA

TSURUMI PUMP AUST	RALIA Drainage Pum
SPECIFICATIONS Model KTZ	KTZ-series
Type of Pump Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc. Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water Temperature: 0 to 40°C Discharge Bore & Connection 100mm (4"), Multi-directional BSPT Male Threaded Coupling Motor Output 22kW Power Supply	Impeller Semi-open impeller made of high-chromium cast iron Solids Passage: #8.5mm Cable Entry with Anti-Wicking Block Watertight cable entry with strain-relief device. The anti- wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged. Bearing Upper: Permanently lubricated, deep-groove, double-shielded C3 ball bearing Lower: Duplex angular contact ball bearing mounted back-to-back Shaft
Three-phase Starting Method Direct on Line Motor Continuous-duty rated, dry-type induction motor Insulation Class: 415V: F, 1000V: H	 420 stainless steel Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located ir oil chamber. Both upper and lower seal faces always rur in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC
Degree of Protection: IP68 No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min ⁻¹ (50Hz) Power Supply Voltages & Rated Currents 50Hz 415V – 36.6A 1000V – 14.9A Power Cable	 Labyrinth Ring Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure generated in the casing. Pressure Relief Ports Protect the mechanical seal against excessive pressure and also protect the seal faces from abrasive particles by drawing the particles away.
 415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 14mm² + 2 x 2mm², O.D. 25.2mm 1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug) 	 OIL LIFTER Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume. Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 2000ml Motor Protection Device 415V: Miniature Thermal Protector (MTP)
Dry Weight (excluding cable) 295kg Optional Accessory Multi-directional Hose Nipple	A miniature thermal protector is embedded in each winding of the motor. Should excessive heat builds up the bimetal strip opens to cause the control panel to shu the power supply. 1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) ir series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens or Ground-fault happens, the power supply can be shu off by using an external control panel.

SPECIFICATIONS

AUSTRALIA

KTZ67.5

Drainage Pumps KTZ-series

7.5kW, 3-phase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 150mm (6"), Multi-directional BSPT Male Threaded Coupling

Motor Output 7.5kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V – 14.9A 1000V – 6.2A

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 5.5mm², O.D. 19.8mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 103kg

Impeller

Semi-open impeller made of high-chromium cast iron

Solids Passage: #20mm

Cable Entry with Anti-Wicking Block

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Labyrinth Ring

Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure generated in the casing.

Pressure Relief Ports

Protect the mechanical seal against excessive pressure, and also protect the seal faces from abrasive particles by drawing the particles away.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 760ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

Special Specifications (415V only)

High Temperature Liquids Version (60 • 80°C)

AUSTRALIA

Drainage Pumps KTZ-series SPECIFICATIONS **KTZ611** Model 11kW, 3-phase Type of Pump Impeller Submersible high head drainage pump for construction Semi-open impeller made of high-chromium cast iron and foundation works, floodwater drainage, etc. Solids Passage: #20mm Type of Fluid Stormwater, groundwater, wash water, and Cable Entry with Anti-Wicking Block sand-carrying water Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary Temperature: 0 to 40°C action should the power cable be damaged or the end submerged. **Discharge Bore & Connection** 150mm (6["]), Bearing Permanently lubricated, deep-groove, double-shielded Multi-directional BSPT Male Threaded Coupling C3 ball bearings **Motor Output** 11kW Shaft 420 stainless steel **Power Supply** Three-phase Shaft Seal (Mechanical Seal) Furnished with a double-face mechanical seal located in **Starting Method** oil chamber. Both upper and lower seal faces always run Direct on Line in a clean environment. Upper Seal Face: SiC + SiC Motor Lower Seal Face: SiC + SiC Continuous-duty rated, dry-type induction motor Insulation Class: 415V: F, 1000V: H Labyrinth Ring Degree of Protection: IP68 Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure No. of Poles & Speed (Synchronous Speed) generated in the casing. 2-pole, 3000min⁻¹ (50Hz) **Pressure Relief Ports** Power Supply Voltages & Rated Currents Protect the mechanical seal against excessive pressure, 50Hz and also protect the seal faces from abrasive particles 415V - 21.6A 1000V - 9.0A by drawing the particles away. **Power Cable OIL LIFTER** Equipped in oil chamber. It forcibly supplies lubricating 415V: PCP sheathed 600V cable (H07RN-F equiv.) oil to the mechanical seal and continues to supply the oil Standard Length: 15m x 1 cable to the upper seal faces even if lubricant falls below the 4 x 5.5mm², O.D. 19.8mm rated volume. 1000V: Type of Lubricating Oil & Volume PCP sheathed, overall screened 1.1kV Mining cable Turbine Oil (ISO VG32), 760ml PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable **Motor Protection Device** 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm 415V: Circle Thermal Protector (CTP) (acceptable Macey® 4-pin Plug) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor. Dry Weight (excluding cable) 133kg 1000V: MTP & Ground-Check Diode The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel. Optional Accessories **Special Specifications** (415V only) High Temperature Liquids Version (60 • 80°C) **Multi-directional Hose Nipple**

Seawater-Resistant Kit

- Galvanic Anodes (with Fittings, Seal Putty)
- Seawater-Resistant Special Cast Iron Impeller

SPECIFICATIONS

AUSTRALIA

KTZ615

Drainage Pumps KTZ-series

15kW, 3-phase

Type of Pump

Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.

Model

Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Discharge Bore & Connection 150mm (6"), Multi-directional BSPT Male Threaded Coupling

Motor Output 15kW

Power Supply Three-phase

Starting Method Direct on Line

Motor Continuous-duty rated, dry-type induction motor

Insulation Class: 415V: F, 1000V: H Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed) 2-pole, 3000min⁻¹ (50Hz)

Power Supply Voltages & Rated Currents 50Hz 415V – 27.4A 1000V – 12.1A

Power Cable

415V: PCP sheathed 600V cable (H07RN-F equiv.) Standard Length: 15m x 1 cable 4 x 5.5mm², O.D. 19.8mm

1000V: PCP sheathed, overall screened 1.1kV Mining cable PLATINUM®, 1.1/1.1kV, MES5G2.5SCR Standard Length: 20m x 1 cable 3 x 2.5mm² + GC control + 2 x Ground, O.D. 18.8mm (acceptable Macey® 4-pin Plug)

Dry Weight (excluding cable) 147kg

Impeller

Semi-open impeller made of high-chromium cast iron

Solids Passage: #20mm

Cable Entry with Anti-Wicking Block

Watertight cable entry with strain-relief device. The antiwicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft 420 stainless steel

Shaft Seal (Mechanical Seal)

Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC

Labyrinth Ring

Made of 304 stainless steel, equipped to provide a better countermeasure against wear caused by high pressure generated in the casing.

Pressure Relief Ports

Protect the mechanical seal against excessive pressure, and also protect the seal faces from abrasive particles by drawing the particles away.

OIL LIFTER

Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 820ml

Motor Protection Device

415V: Circle Thermal Protector (CTP) A circle thermal protector built in the motor housing. Directly cuts the motor circuit if excessive heat builds up or an overcurrent condition occurs in the motor.

1000V: MTP & Ground-Check Diode

The MTPs are connected with a diode (3A-1000V) in series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip opens, or Ground-fault happens, the power supply can be shut off by using an external control panel.

Optional Accessories

Multi-directional Hose Nipple

AUSTRALIA

🤊 Tsurumi Pump	AUS	STRALIA	Drainage Pump		
SPECIFICATIONS	Model K	FZ622	KTZ-series		
			22kW, 3-phase		
and foundation works, flood Type of Fluid Stormwater, groundwater, w sand-carrying water Temperature: 0 to 40°C Discharge Bore & Conne 150mm (6"), Multi-directional BSPT Male Motor Output 22kW Power Supply Three-phase Starting Method Direct on Line Motor Continuous-duty rated, dry- Insulation Class: 415V: F, 10 Degree of Protection: IP68 No. of Poles & Speed (Sync 2-pole, 3000min ⁻¹ (50Hz) Power Supply Voltages & Ra 50Hz 415V - 36.6A 1000V - 14. Power Cable 415V: PCP sheathed 600V cable (Standard Length: 15m x 1 c 4 x 14mm ² + 2 x 2mm ² , O.D 1000V: PCP sheathed, overall screet PLATINUM®, 1.1/1.1kV, MES Standard Length: 20m x 1 c 3 x 2.5mm ² + GC control + 3	ection Threaded Coupling type induction motor DOOV: H chronous Speed) ated Currents .9A (H07RN-F equiv.) :able . 25.2mm ened 1.1kV Mining cable S5G2.5SCR :able 2 x Ground, O.D. 18.8mm cceptable Macey® 4-pin Plug	 Solids Passage: #12mm Cable Entry with Anti-Wid Watertight cable entry with s wicking block prevents wate action should the power cal submerged. Bearing Upper: Permanently lubricate double-shielded C3 b Lower: Duplex angular contar back-to-back Shaft Seal (Mechanical Sea Furnished with a double-face oil chamber. Both upper and in a clean environment. Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC Labyrinth Ring Made of 304 stainless steel, countermeasure against wea generated in the casing. Pressure Relief Ports Protect the mechanical seal and also protect the seal fa by drawing the particles away OIL LIFTER Equipped in oil chamber. It oil to the mechanical seal an to the upper seal faces ever rated volume. Type of Lubricating Oil & Volte Turbine Oil (ISO VG32), 2000 Motor Protection Device 415V: Miniature Thermal Prote A miniature thermal prote- winding of the motor. Shoul- the bimetal strip opens to can the power supply. 1000V: MTP & Ground-Check The MTPs are connected w 	cking Block Strain-relief device. The anti- er incursion due to capillary oble be damaged or the end ed, deep-groove, all bearing ct ball bearing mounted eal) e mechanical seal located in lower seal faces always run equipped to provide a better ar caused by high pressure against excessive pressure, ces from abrasive particles y. forcibly supplies lubricating d continues to supply the oil n if lubricant falls below the ume Dml tector (MTP) ctor is embedded in each d excessive heat builds up, use the control panel to shut k Diode with a diode (3A-1000V) in		
Optional Accessory Multi-directional Hose N	lipple	series into the Ground-Check circuit in the motor. If excessive heat builds up and the bimetal strip or Ground-fault happens, the power supply can b			
muni-unectional nose N	ուհեւթ	off by using an external contr	о рапеі.		

DIMENSIONS Model

KTZ21.5 to KTZ622

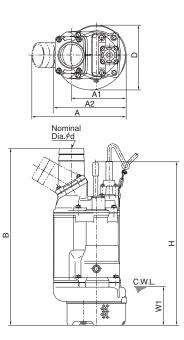
AUSTRALIA

Drainage Pumps

KTZ-series

50 - 150mm

C. W. L.: Continuous Running Water Level



* The illustration in the dimensional drawing is general specifications.

								Unit: mm
Model	d	A	A1	A2	В	D	Н	W1
KTZ21.5	50	261	173	235	529	216	648	120
KTZ22.2 (*)	50	261	173	235	549	216	668	120
KTZ23.7 (*)	50	338	213	283	667	252	637	150
KTZ31.5	80	268	173	235	529	216	648	120
KTZ32.2 (*)	80	268	173	235	549	216	668	120
KTZ33.7 (*)	80	353	213	283	677	252	637	150
KTZ35.5 (*)	80	363	223	306	721	258	688	150
KTZ43.7 (*)	100	368	213	283	687	252	637	150
KTZ45.5 (*)	100	379	223	306	731	258	688	150
KTZ47.5 (*)	100	401	245	330	809	314	697	190
KTZ411 (*)	100	408	260	374	836	350	740	190
KTZ415 (*)	100	408	260	374	906	350	810	190
KTZ422 (*)	100	525	360	485	1197	413	1123	330
KTZ67.5 (*)	150	394	285	367	810 - 839	314	697	190
KTZ611 (*)	150	438	260	374	856	350	740	190
KTZ615 (*)	150	438	260	374	926	350	810	190
KTZ622 (*)	150	555	360	485	1217	413	1123	330
* : available for 1000V supply								