

SPECIFICATIONS		Model	KTZ611	KTZ-series
				11kW, 3-phase
Type of Pump Submersible high head drainage pump for construction and foundation works, floodwater drainage, etc.		Impeller Semi-open Impeller made of high-chromium cast iron		
Type of Fluid Stormwater, groundwater, wash water, and sand-carrying water		Solids Passage 50Hz – ϕ20mm 60Hz – ϕ20mm		
Temperature: 0 to 40°C (High temperature model available on special request)		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.		
Discharge Bore & Connection 150mm, Hose Coupling		Bearing Permanently lubricated, deep-groove, double-shielded 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 oil chamber. Both upper and lower seal faces always run in a clean environment.		
Starting Method Direct on Line (Star-Delta available on special request)		Upper Seal Face: SiC + SiC Lower Seal Face: SiC + SiC		
Motor Continuous-duty rated, dry-type induction motor		Pressure Relief Port Protects the mechanical seal from over rated limits, and also protects the seal faces from abrasive particles by drawing particles away.		
Insulation Class: F Degree of Protection: IP68		OIL LIFTER (Patented) 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.		
No. of Poles & Speed (Synchronous Speed) 2-pole, 3000/3600min ⁻¹ (50/60Hz)		Type of Lubricating Oil & Volume Turbine Oil (ISO VG32), 760ml		
Power Supply Voltages & Rated Currents 50Hz 60Hz 380V – 22.5A 220V – 38.4A 400V – 22.0A 380V – 21.7A 415V – 21.6A 440V – 19.2A		Motor Protection Device 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.		
Power Cable Sheath: Chloroprene rubber Standard Length: 8m 380 to 600V supply: 1 x 4 x 5.5mm ² , O.D. 19.8mm 200 to 240V supply: 1 x 4 x 8.0mm ² , O.D. 21.7mm				
Dry Weight (excluding cable) 131kg				
TSURUMI MANUFACTURING CO., LTD.				

NO.

A-21611-1T

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ611 -53

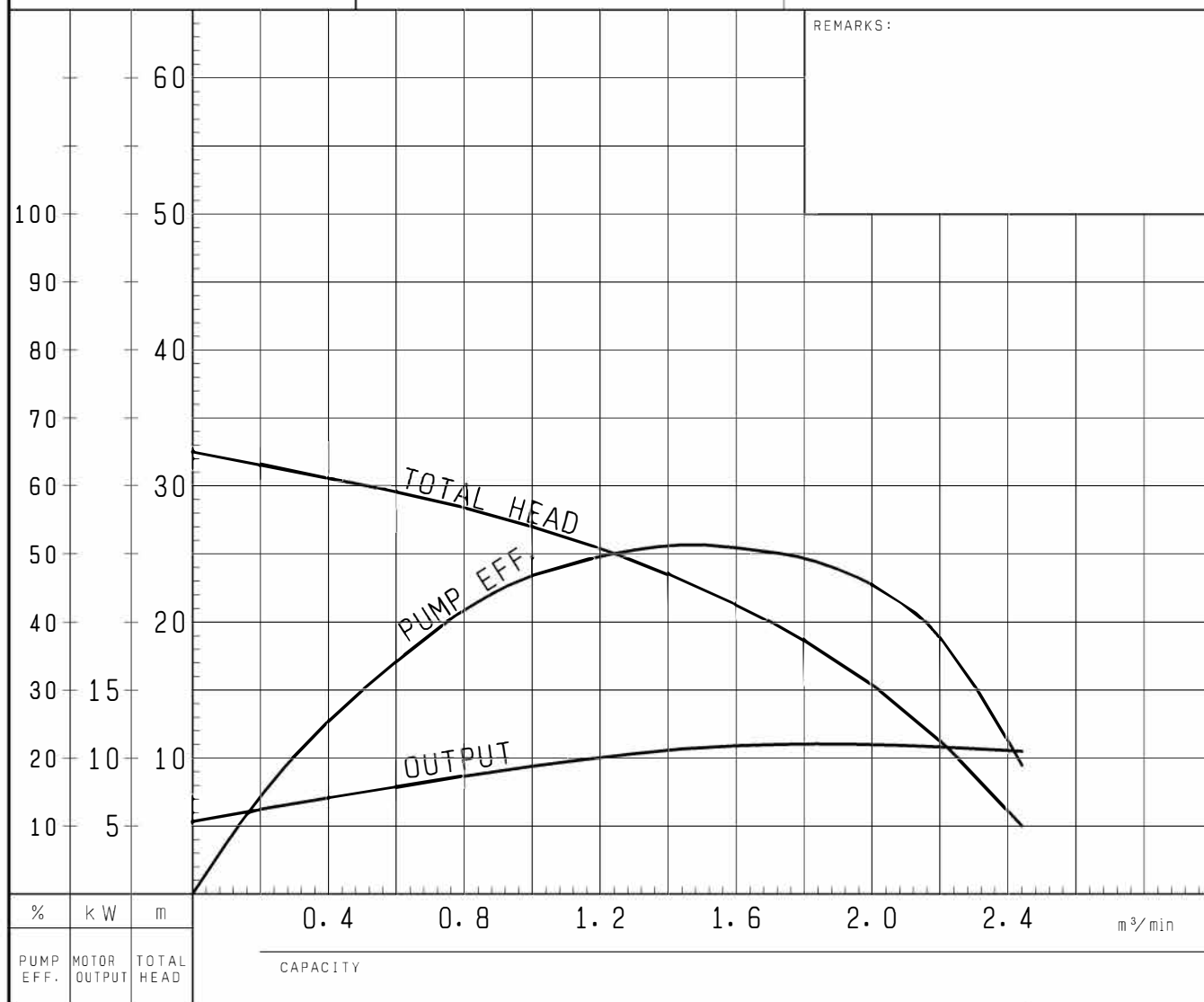
FREQUENCY 50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

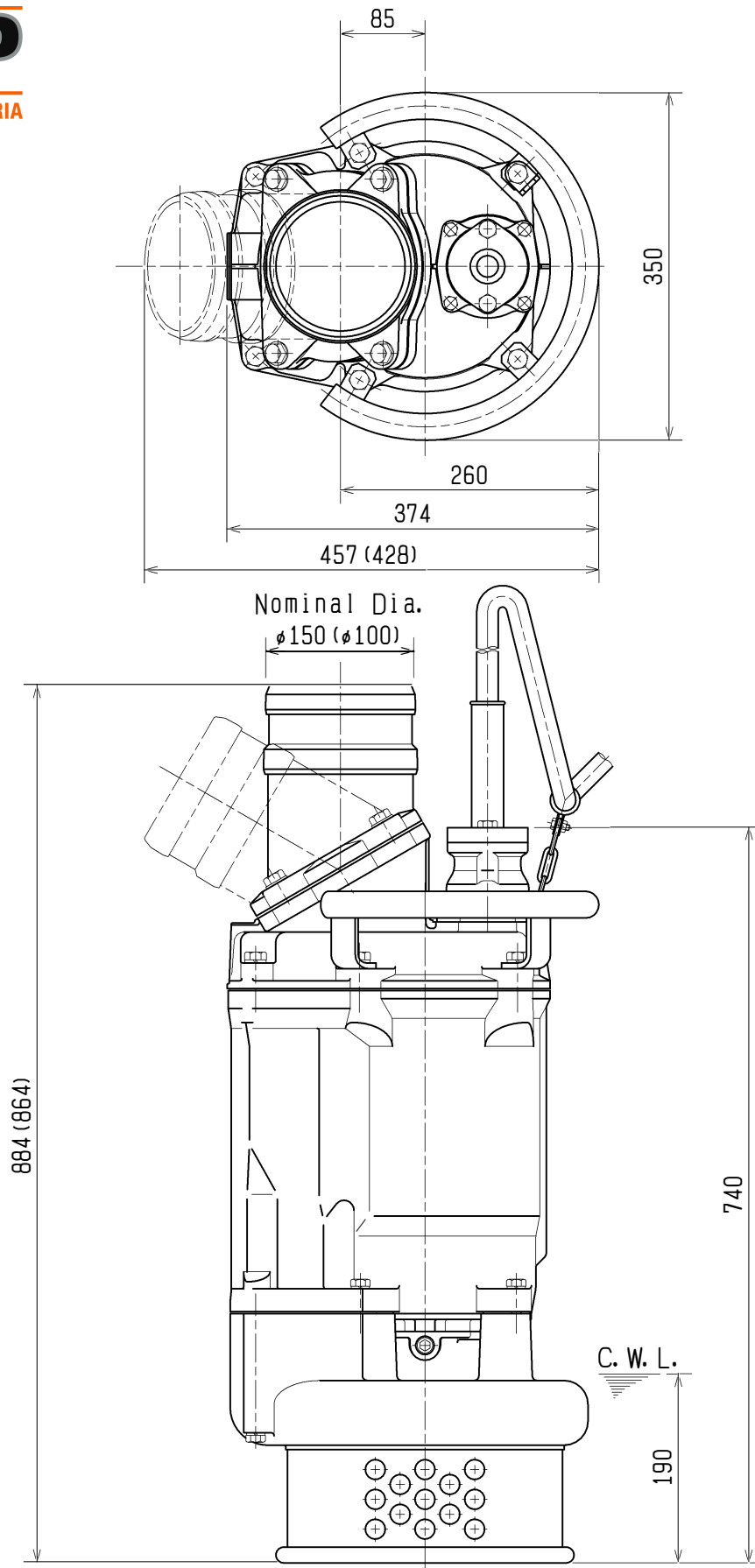
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	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	150 mm	mm
TOTAL HEAD	MAX. 32.5 m	m
CAPACITY	MAX. 2.44 m ³ /min	m ³ /min
MOTOR OUTPUT	11 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



TSURUMI MFG. CO., LTD.

DIMENSION DRAWING			No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ411	-53/63
			KTZ611	-53/63



The Figure in () shows the dimensions of KTZ411.

C. W. L. :Continuous running Water Level

SECTIONAL DRAWING

No.

No. A-21614-1T

TYPE

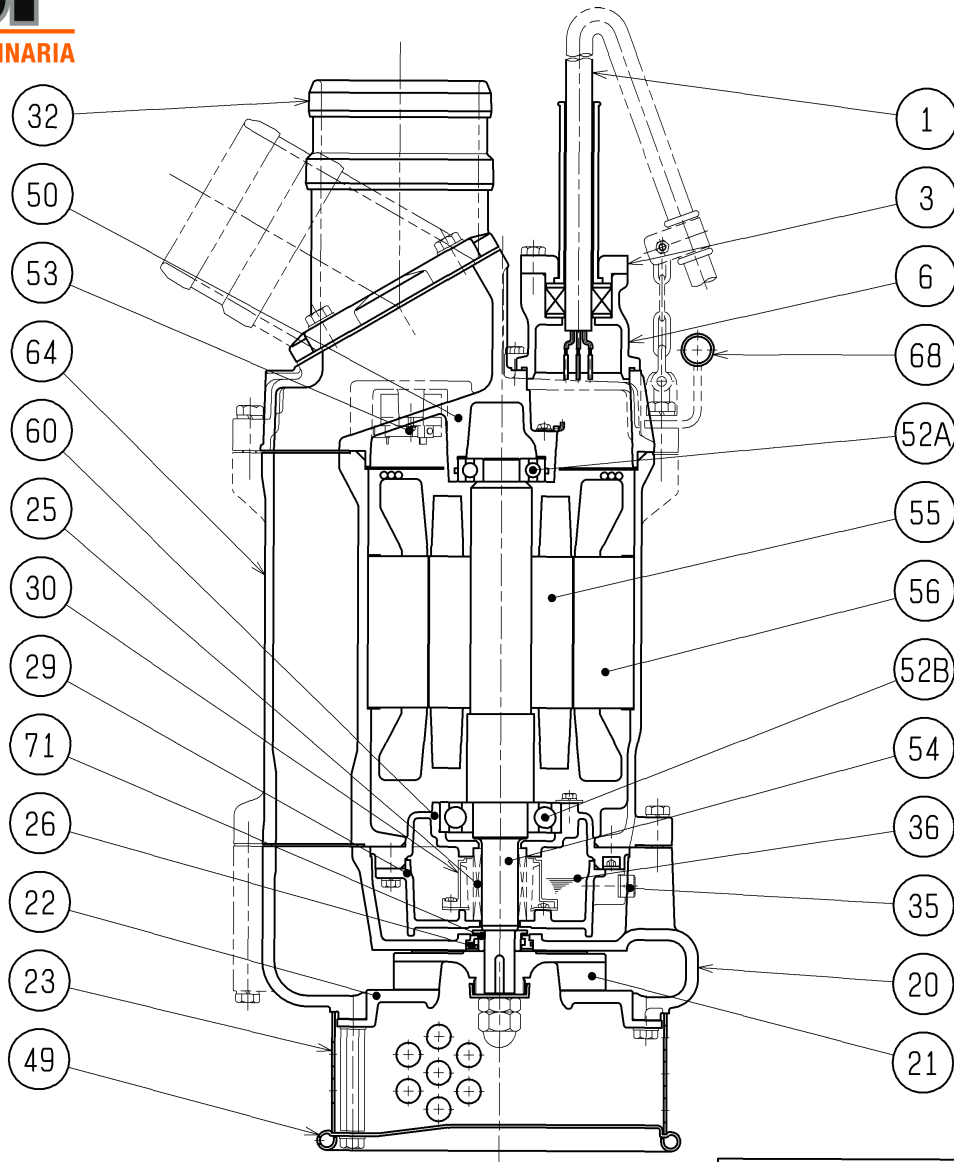
SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL

KTZ411 -53/63
KTZ611 -53/63

MALCOP

ALQUILER Y VENTA DE MAQUINARIA



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	Chloroprene Sheath	49	Bottom Plate	1	Steel Sheet
3	Gland	1	Gray Iron Casting	50	Motor Bracket	1	Gray Iron Casting
6	Stuffing Box	1	Gray Iron Casting	52A	Upper Bearing	1	6306ZZC3
20	Pump Casing	1	Gray Iron Casting	52B	Lower Bearing	1	6309ZZC3
21	Impeller	1	Chromium Iron Casting	53	Motor Protector	1	
22	Suction Cover	1	Ductile Iron Casting	54	Shaft	1	Stainless Steel 420J2
23	Strainer	1	Steel Sheet	55	Rotor	1	
25	Mechanical Seal	1	H-30T	56	Stator	1	
26	Labyrinth Ring	1	Stainless Steel 304	60	Bearing Housing	1	Gray Iron Casting
29	Oil Casing	1	Gray Iron Casting	64	Motor Frame	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	68	Handle	1	Carbon Steel Pipe & Structure Steel
32	Hose Coupling	1	Gray Iron Casting	71	Shaft Sleeve	1	Stainless Steel 403
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

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