SPECIFICATIONS	Model	50SFQ2.4S	SFQ-series
			0.4kW, 1-phase

Type of Pump
Submersible corrosion-resistant pump made of cast 316 stainless steel suitable for pumping aggressive or corrosive liquid

Type of Fluid
Wastewater and water with corrosive nature

Temperature: 0 to 40°C
(High temperature model available on special request)

Discharge Bore
50mm

Motor Output
0.4kW

Power Supply
Single-phase

Starting Method
Capacitor Start

Motor
Continuous-duty rated, dry-type induction motor

Insulation Class: E (available in F on special request)
Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed)
2-pole, 3000/3600min^{-1} (50/60Hz)

Power Supply Voltages & Rated Currents

50Hz	60Hz
220V – 3.3A	110V – 6.3A
230V – 3.2A	220V – 3.2A
240V – 2.9A	

Power Cable
Sheath: PVC
Standard Length: 5m
100 to 240V supply:
1 × 3 × 1.25mm^2, O.D. 10.1mm

Dry Weight (excluding cable)
22kg

Impeller
Semi-open multi-vane impeller made of cast 316 stainless steel, dynamically balanced

Solids Passage
50Hz – ϕ6mm
60Hz – ϕ6mm

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.

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

Shaft
316 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 Faces: SiC + SiC
Lower Seal Faces: SiC + SiC

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.

Type of Lubricating Oil & Volume
Turbine Oil (ISO VG32), 125ml

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.

		NO.	A-20226-1

PUMP PERFORMANCE CURVES

TYPE	MODEL	FREQUENCY
Corrosion Resistant Submersible Stainless Steel Pump	50SFQ2.4S -52	50 Hz

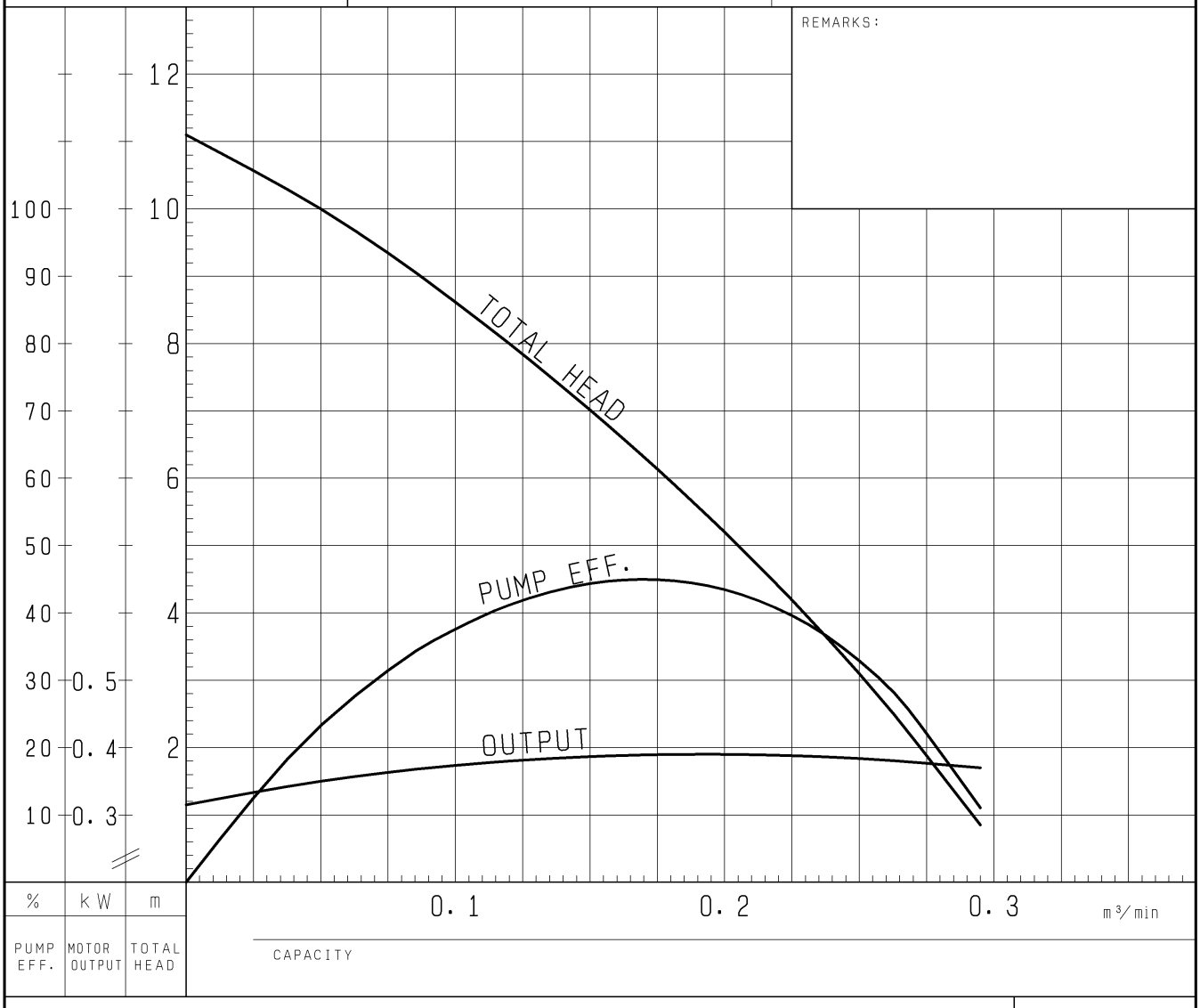
CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	8 m	m
CAPACITY	0.12 m³/min	m³/min
MOTOR OUTPUT	0.4 kW	kW
PHASE × VOLTAGE	1 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P/ S.S. 3000 min⁻¹	P/ min⁻¹
STARTING METHOD	CAPACITOR START	
INSULATION CLASS	E	

REMARKS:



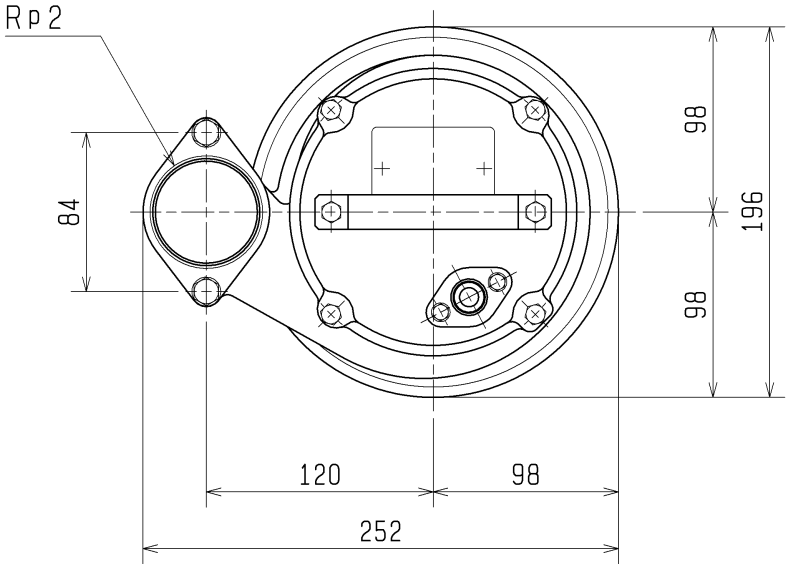
TSURUMI MFG. CO., LTD.

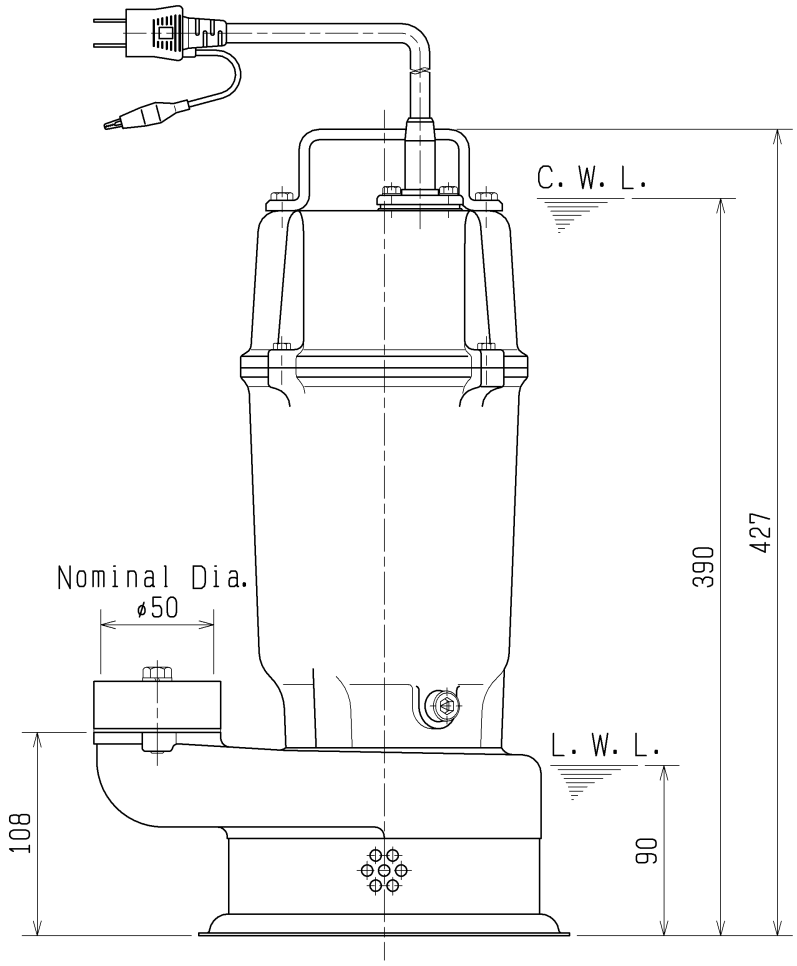
TSURUMI PUMP

DIMENSION DRAWING	No.		No.	A-20233-1
TYPE Corrosion Resistant Submersible Stainless Steel Pump	MODEL	50SFQ2.4S -52/62		

Approximate Weight (※)
21kg

※excluding cable

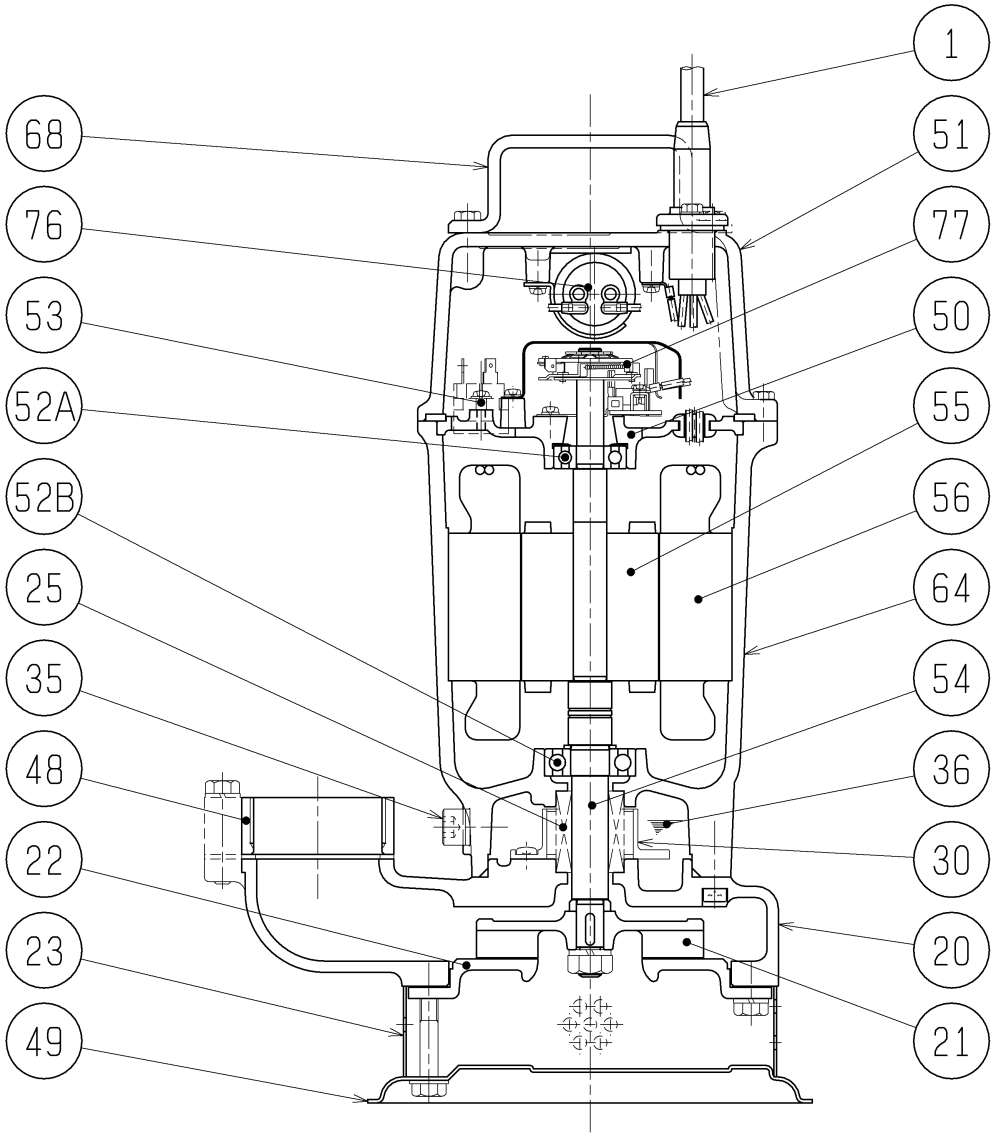




C. W. L. :Continuous running Water Level
L. W. L. :Lowest running Water Level

TSURUMI PUMP

SECTIONAL DRAWING	No.		No.	A-20236-1
TYPE Corrosion Resistant Submersible Stainless Steel Pump		MODEL 50SFQ2.4S -52/62		



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	PVC Sheath	52A	Upper Bearing	1	6201ZZC3
20	Pump Casing	1	Stainless Steel Casting	52B	Lower Bearing	1	6203ZZC3
21	Impeller	1	Stainless Steel Casting	53	Motor Protector	1	
22	Suction Cover	1	Stainless Steel Casting	54	Shaft	1	Stainless Steel 316
23	Strainer	1	Stainless Steel 316	55	Rotor	1	
25	Mechanical Seal	1	X-16W	56	Stator	1	
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Stainless Steel Casting
35	Oil Plug	1	Stainless Steel 316	68	Handle	1	Stainless Steel 316
36	Lubricant		Turbine Oil (ISO VG32)	76	Capacitor	1	
48	Screwed Flange	1	Stainless Steel Casting	77	Centrifugal Switch	1	
49	Bottom Plate	1	Stainless Steel 316				
50	Motor Bracket	1	Gray Iron Casting				
51	Head Cover	1	Stainless Steel Casting				

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