

NO.

A-21081-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ21.5 -51

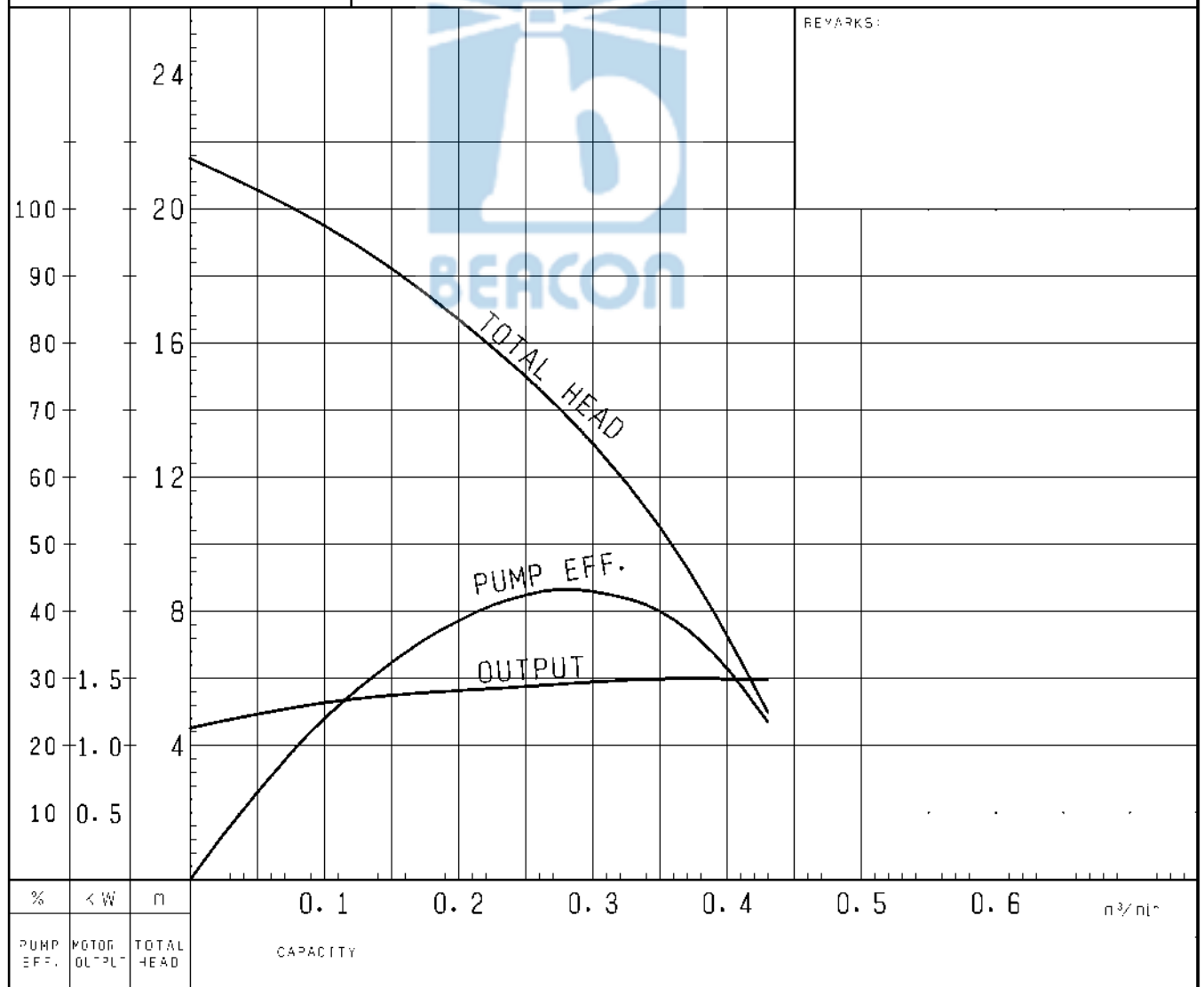
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

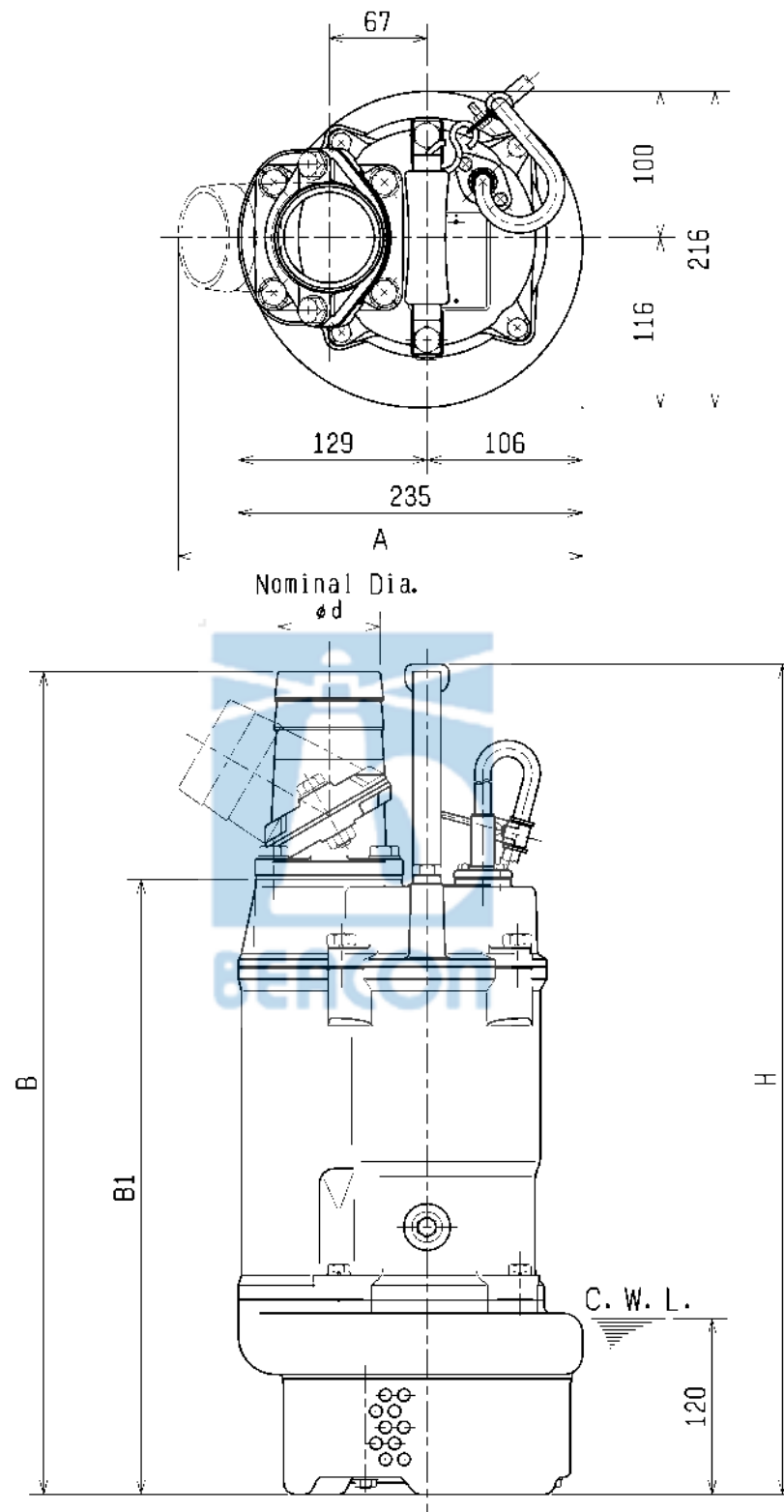
NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	MAX. 21.5 m	m
CAPACITY	MAX. 0.43 m ³ /min	m ³ /min
MOTOR OUTPUT	1.5 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.

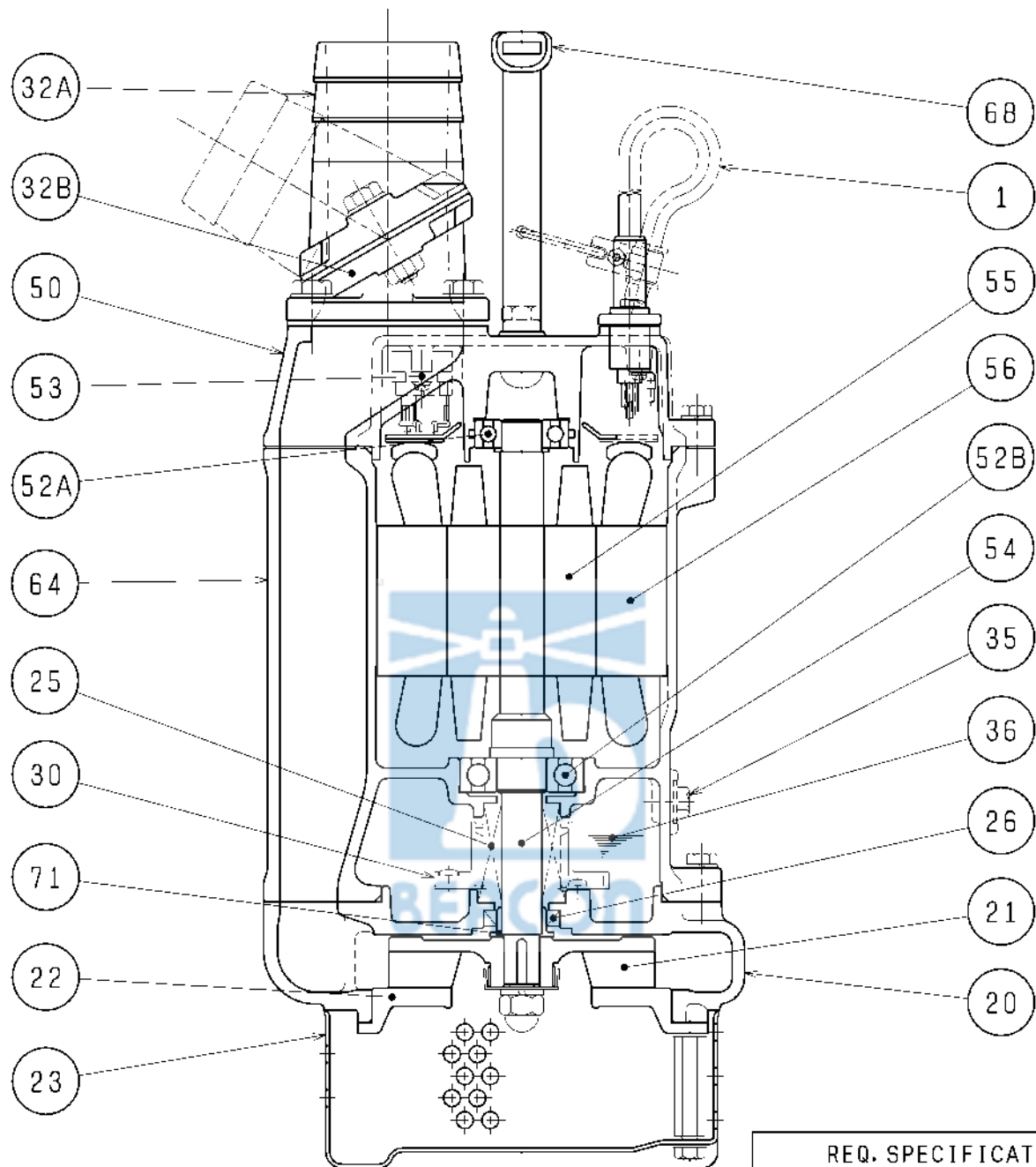
DIMENSION DRAWING		No.	No.	A-21103-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



C. W. L. : Continuous running Water Level
*excluding cable

MODEL	d	A	B	B1	H	Approximate Weight (※)
KTZ21.5-51/61	50	270	543	401	548	34kg
KTZ31.5-51/61	80	276	543	401	548	33kg
KTZ22.2-51/61	50	270	563	421	568	35kg
KTZ32.2-51/61	80	276	563	421	568	34kg

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21107-1	
		MODEL KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6204ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6305ZZC3
22	Suction Cover	1	Ductile Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet	54	Shaft	1	Stainless Steel 420J2(※)
25	Mechanical Seal	1	H-20T	55	Rotor	1	
26	Oil Seal	1	TC25388	56	Stator Complete	1	
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32A	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Steel Sheet & Nitrile Butadiene Rubber
32B	Hose Coupling Attachment	1	Aluminium Die Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO. A-21083-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ31.5 -51

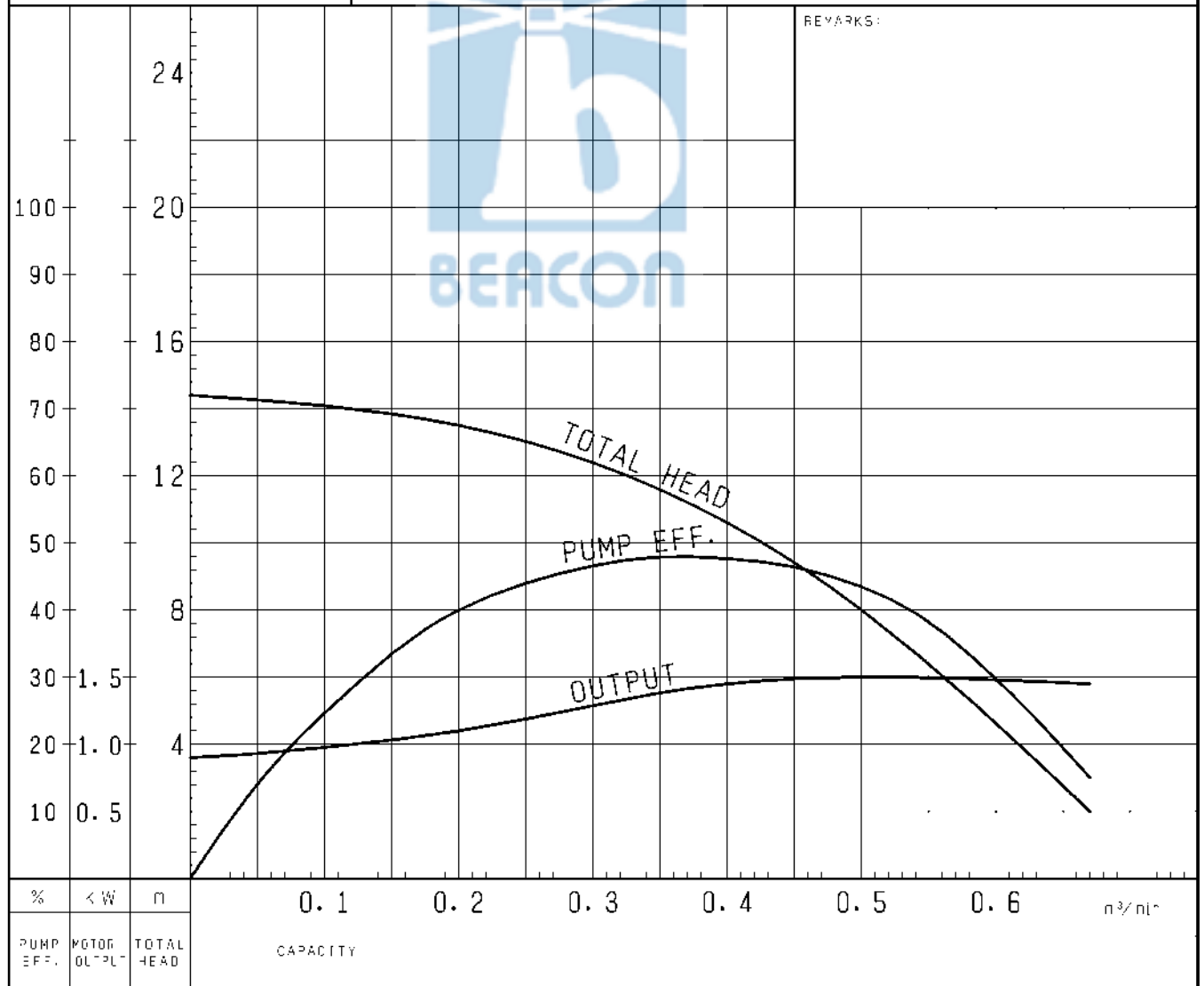
FREQUENCY
50 Hz

CUSTOMER'S NAME

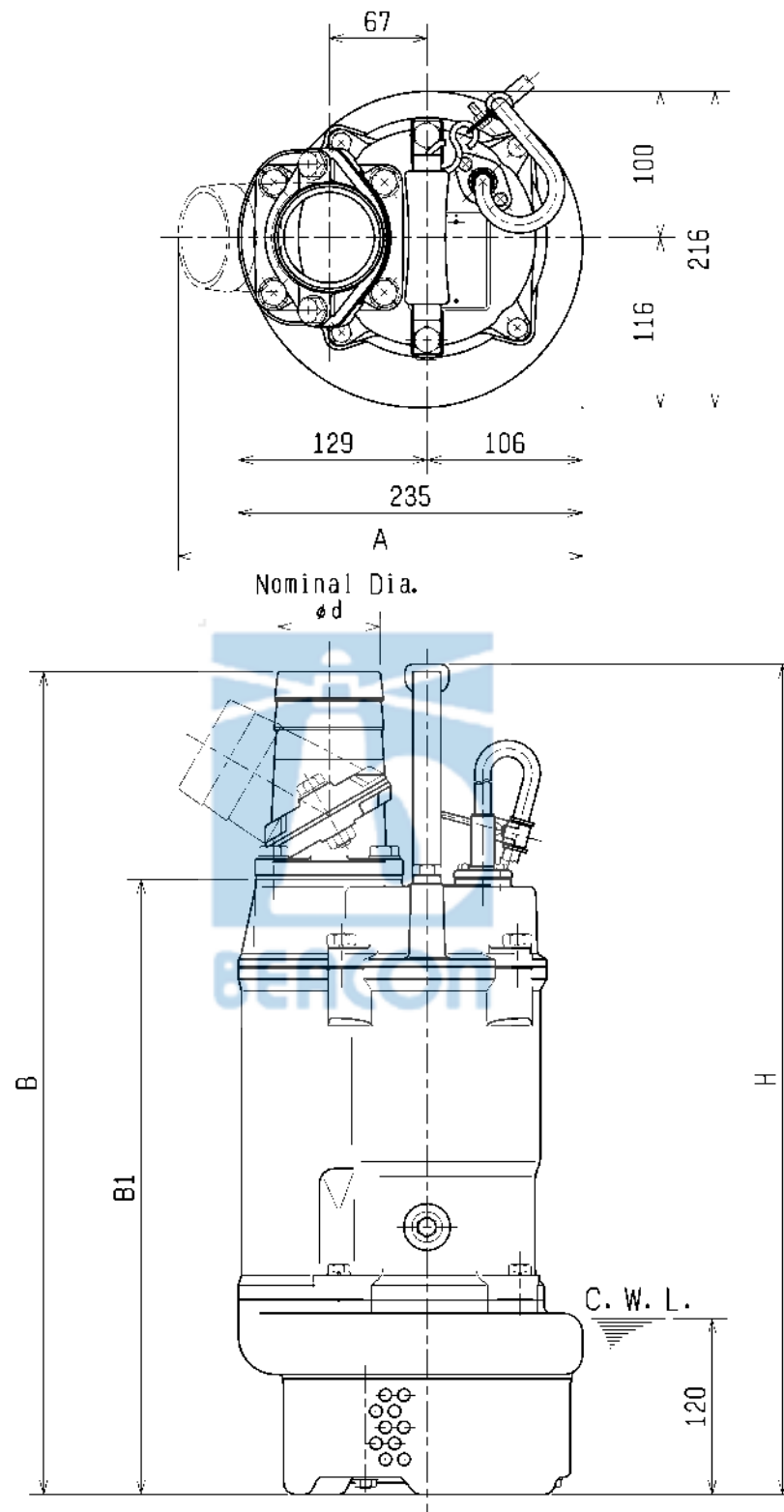
EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	80 mm	mm
TOTAL HEAD	MAX. 14.4 m	m
CAPACITY	MAX. 0.67 m ³ /min	m ³ /min
MOTOR OUTPUT	1.5 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	



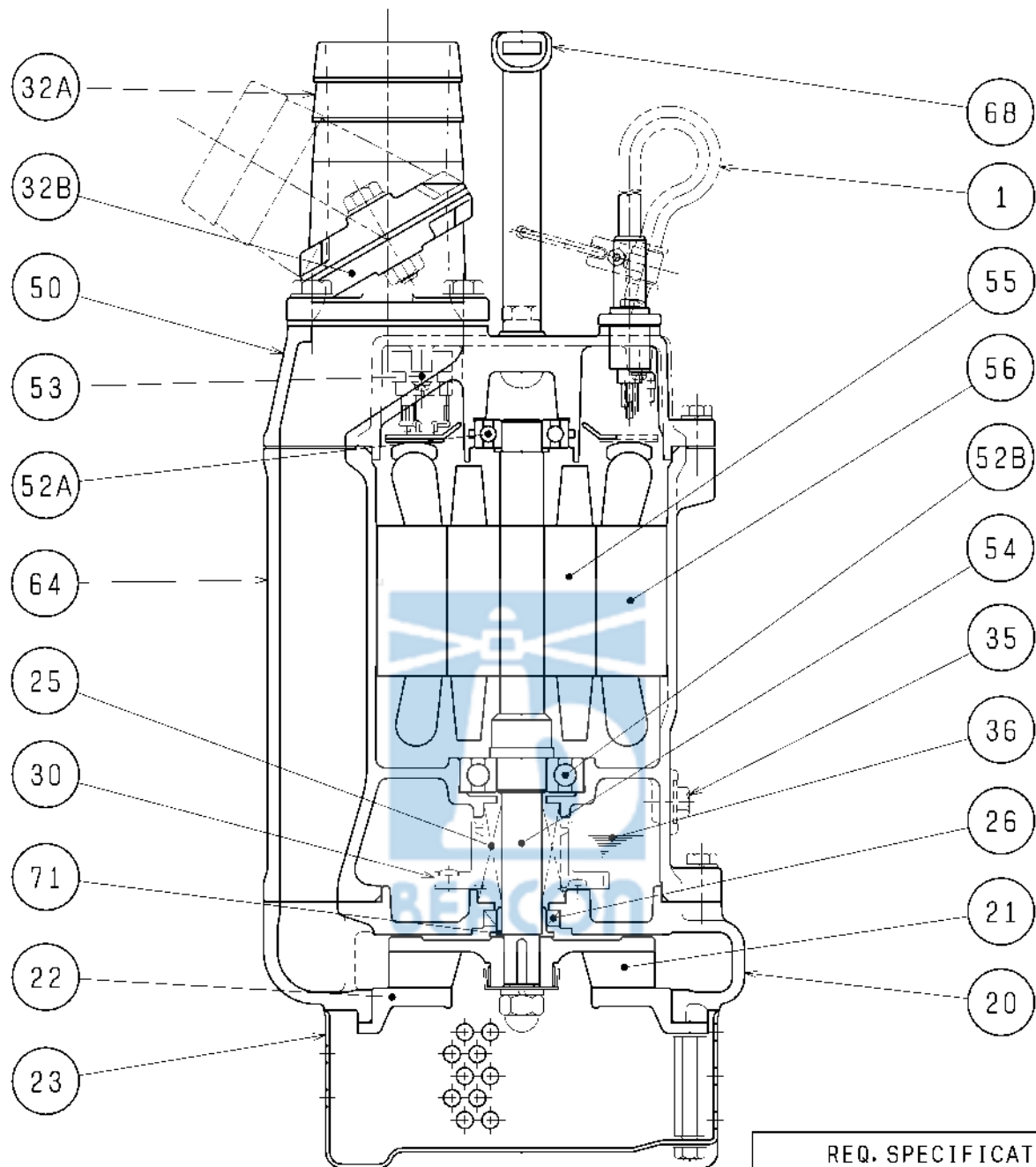
DIMENSION DRAWING		No.	No.	A-21103-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



C. W. L. : Continuous running Water Level
*excluding cable

MODEL	d	A	B	B1	H	Approximate Weight (※)
KTZ21.5-51/61	50	270	543	401	548	34kg
KTZ31.5-51/61	80	276	543	401	548	33kg
KTZ22.2-51/61	50	270	563	421	568	35kg
KTZ32.2-51/61	80	276	563	421	568	34kg

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21107-1	
		MODEL KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6204ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6305ZZC3
22	Suction Cover	1	Ductile Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet	54	Shaft	1	Stainless Steel 420J2(※)
25	Mechanical Seal	1	H-20T	55	Rotor	1	
26	Oil Seal	1	TC25388	56	Stator Complete	1	
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32A	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Steel Sheet & Nitrile Butadiene Rubber
32B	Hose Coupling Attachment	1	Aluminium Die Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO.

A-21085-1

PUMP PERFORMANCE CURVES

TYPE

SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL

KTZ22.2 -51

FREQUENCY

50

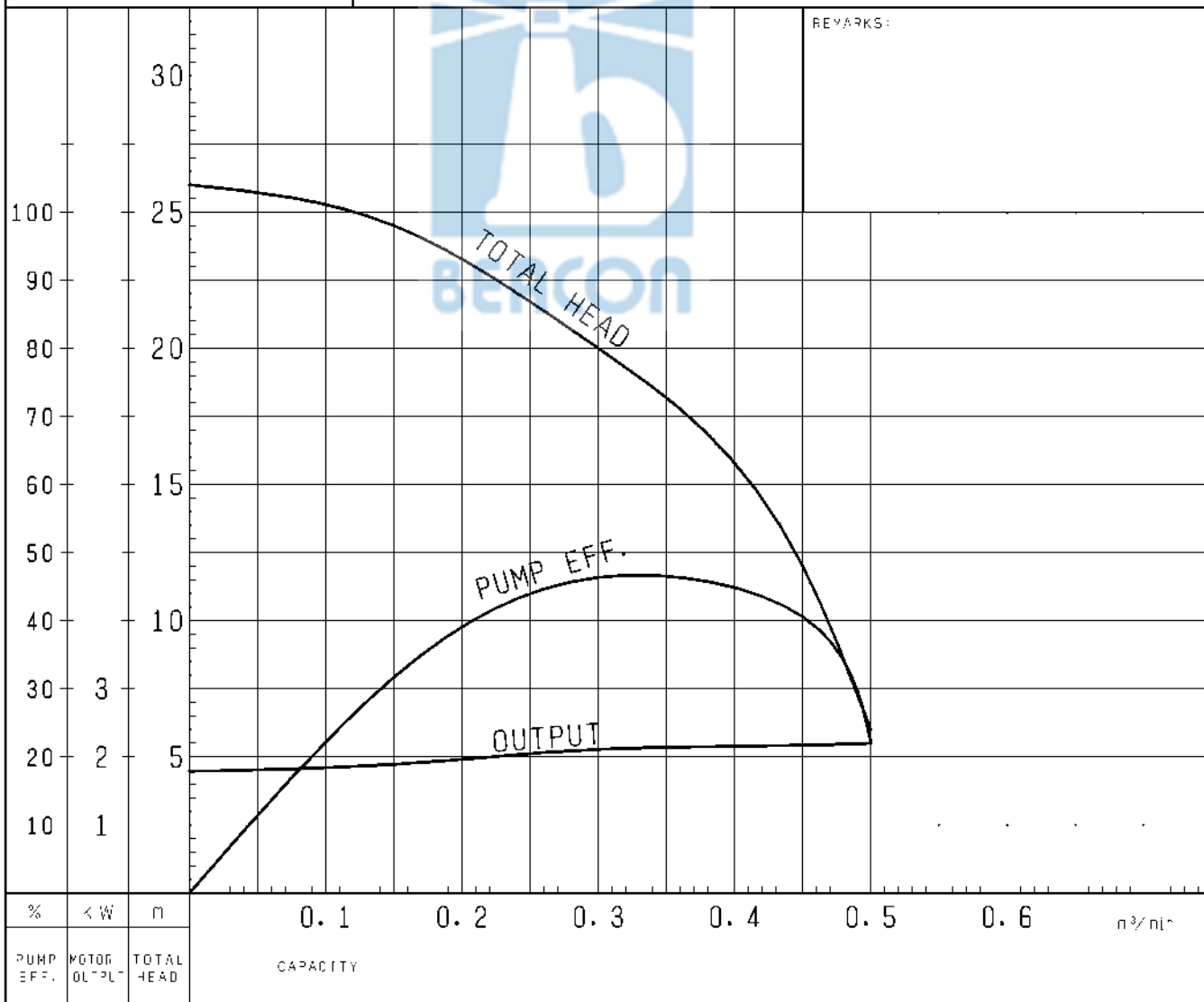
Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

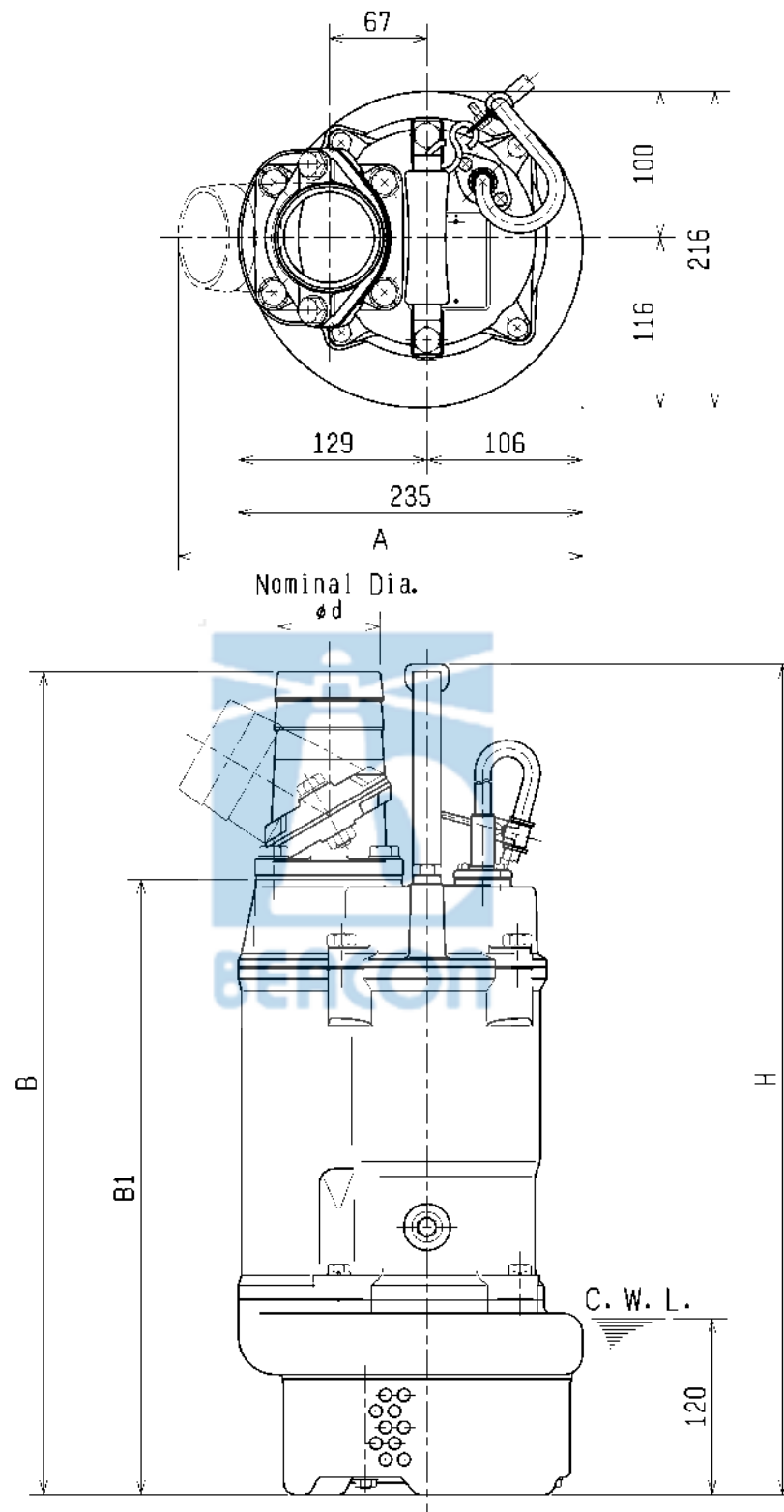
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	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	MAX. 26 m	m
CAPACITY	MAX. 0.5 m ³ /min	m ³ /min
MOTOR OUTPUT	2.2 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



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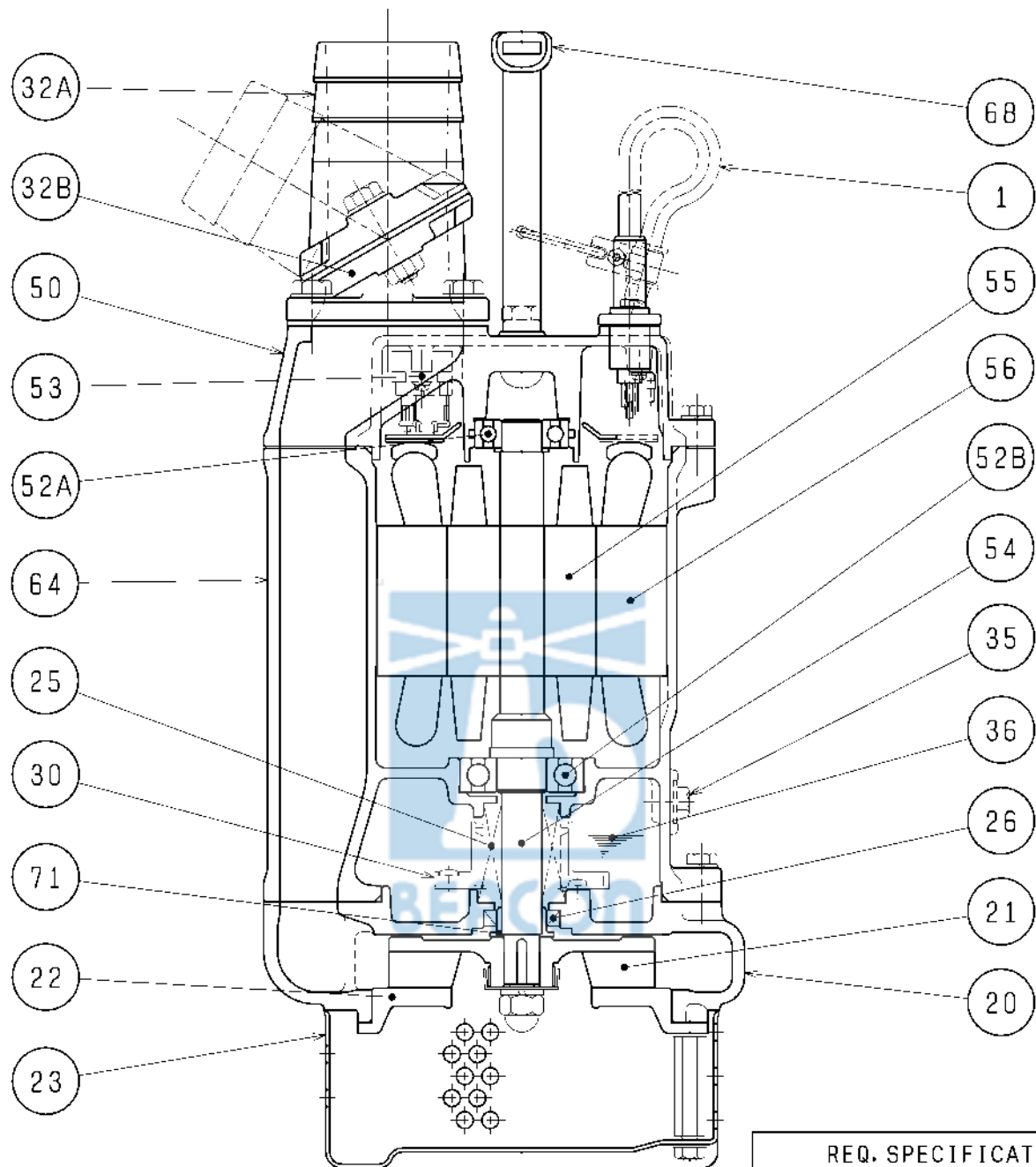
DIMENSION DRAWING		No.	No.	A-21103-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



C. W. L. : Continuous running Water Level
*excluding cable

MODEL	d	A	B	B1	H	Approximate Weight (※)
KTZ21.5-51/61	50	270	543	401	548	34kg
KTZ31.5-51/61	80	276	543	401	548	33kg
KTZ22.2-51/61	50	270	563	421	568	35kg
KTZ32.2-51/61	80	276	563	421	568	34kg

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21107-1	
		MODEL KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6204ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6305ZZC3
22	Suction Cover	1	Ductile Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet	54	Shaft	1	Stainless Steel 420J2(※)
25	Mechanical Seal	1	H-20T	55	Rotor	1	
26	Oil Seal	1	TC25388	56	Stator Complete	1	
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32A	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Steel Sheet & Nitrile Butadiene Rubber
32B	Hose Coupling Attachment	1	Aluminium Die Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO. A-21087-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ32.2 -51

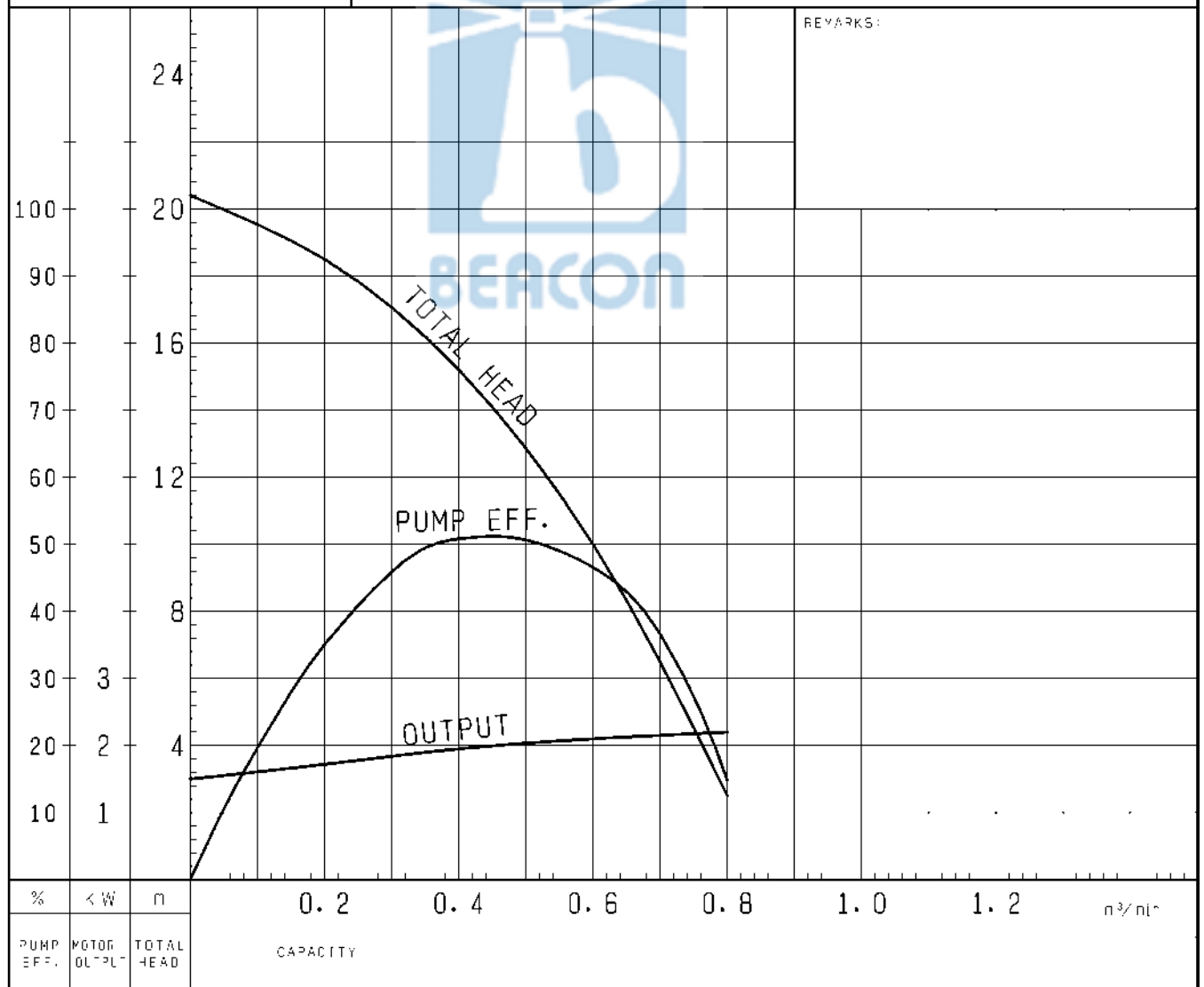
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

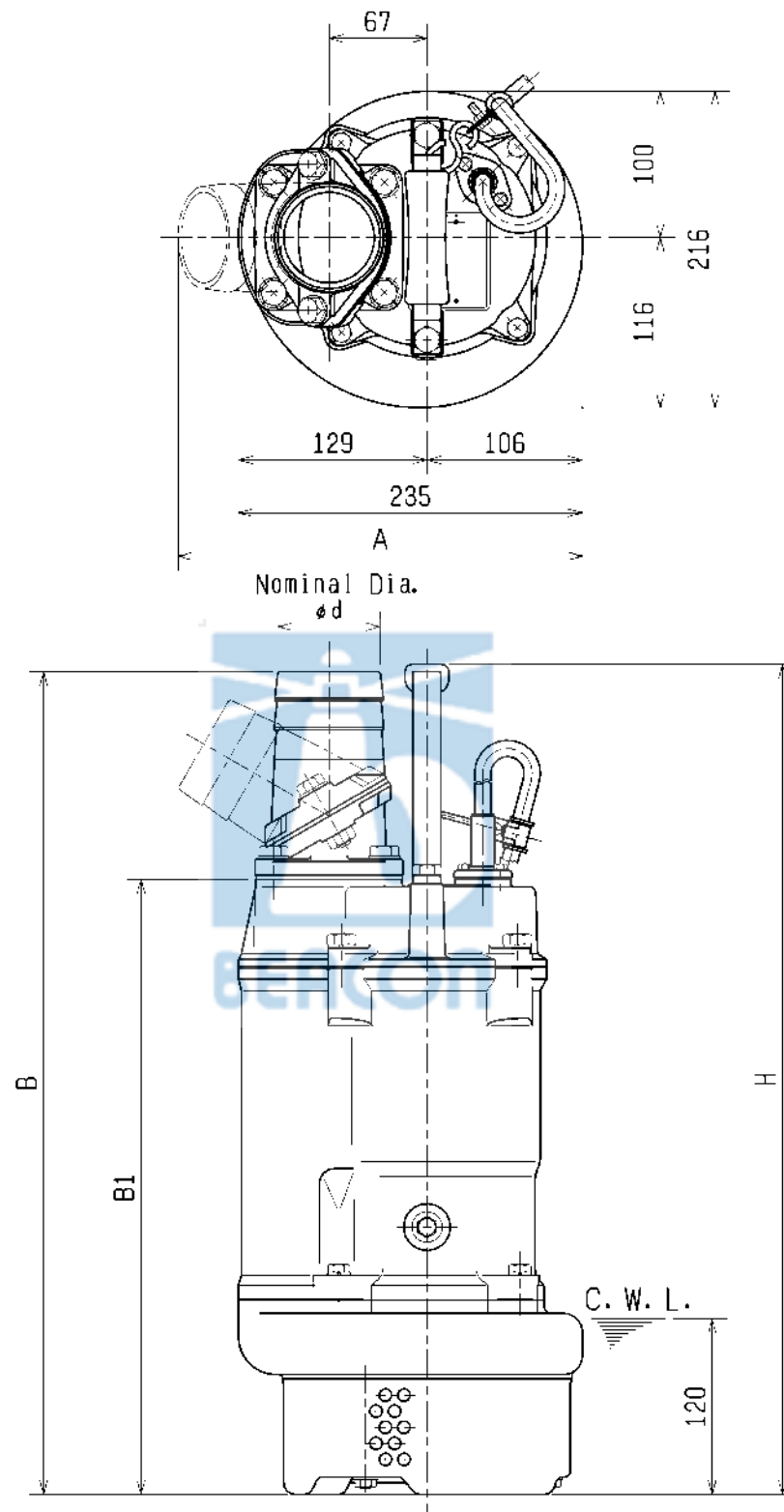
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	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	80 mm	mm
TOTAL HEAD	MAX. 20.4 m	m
CAPACITY	MAX. 0.8 m ³ /min	m ³ /min
MOTOR OUTPUT	2.2 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



TSURUMI MFG. CO., LTD.

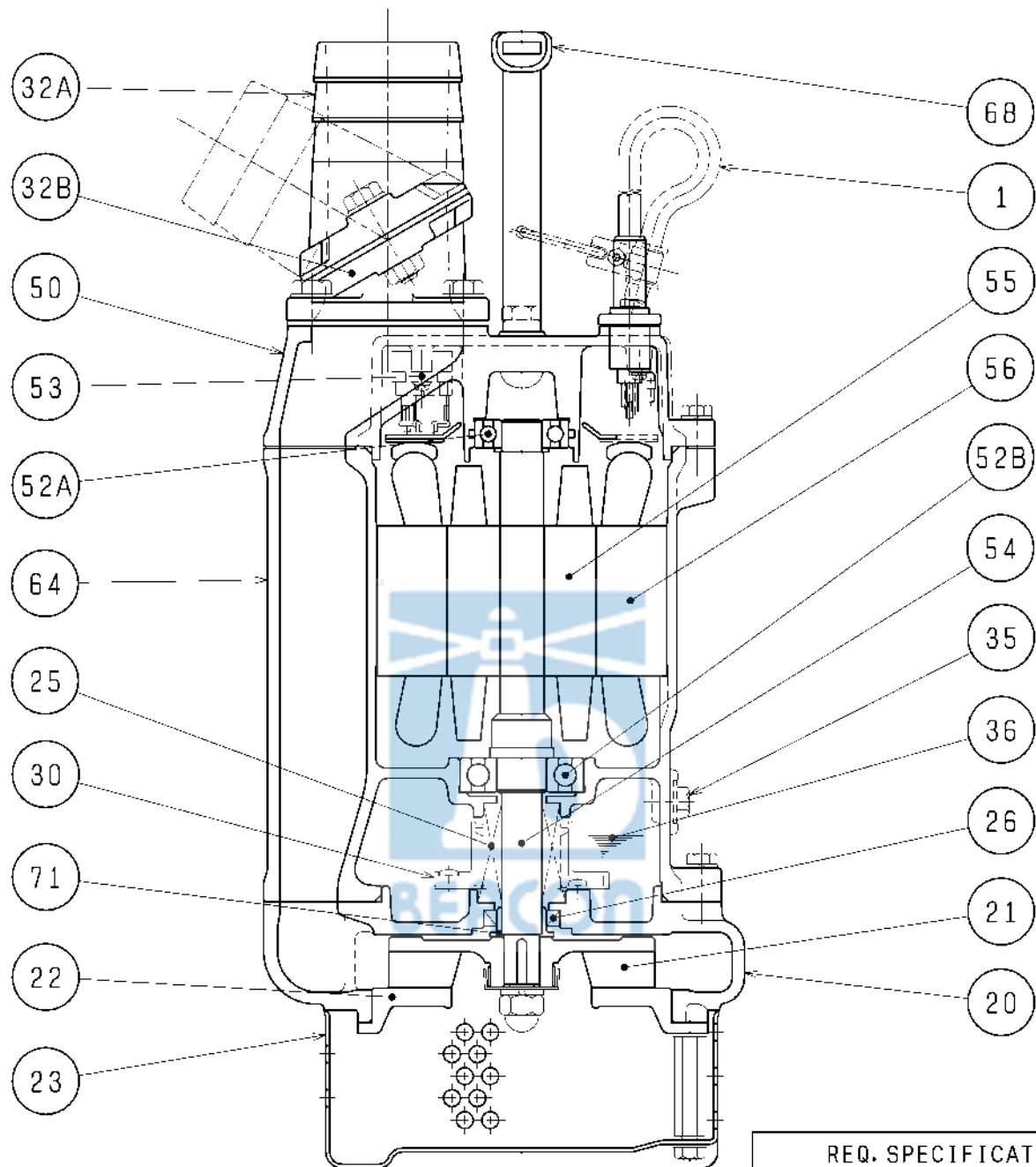
DIMENSION DRAWING		No.	No.	A-21103-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



C. W. L. : Continuous running Water Level
*excluding cable

MODEL	d	A	B	B1	H	Approximate Weight (※)
KTZ21.5-51/61	50	270	543	401	548	34kg
KTZ31.5-51/61	80	276	543	401	548	33kg
KTZ22.2-51/61	50	270	563	421	568	35kg
KTZ32.2-51/61	80	276	563	421	568	34kg

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21107-1	
		MODEL KTZ21.5 -51/61, KTZ22.2 -51/61 KTZ31.5 -51/61, KTZ32.2 -51/61	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	PVC Sheath	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6204ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6305ZZC3
22	Suction Cover	1	Ductile Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet	54	Shaft	1	Stainless Steel 420J2(※)
25	Mechanical Seal	1	H-20T	55	Rotor	1	
26	Oil Seal	1	TC25388	56	Stator Complete	1	
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32A	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Steel Sheet & Nitrile Butadiene Rubber
32B	Hose Coupling Attachment	1	Aluminium Die Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO. A-21089-1

PUMP PERFORMANCE CURVES

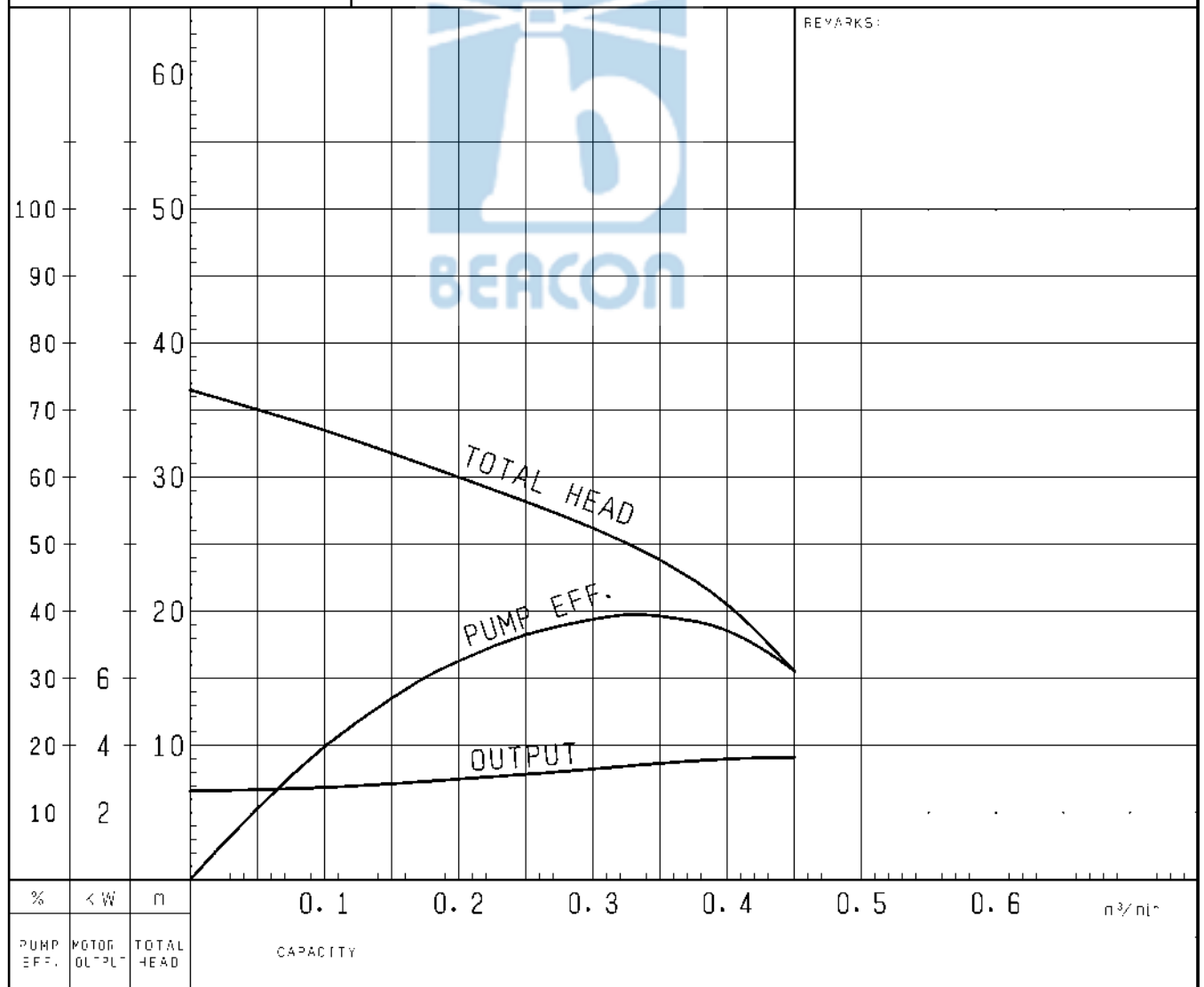
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ23.7 -53	FREQUENCY	50 Hz
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CUSTOMER'S NAME

EQUIPMENT TITLE

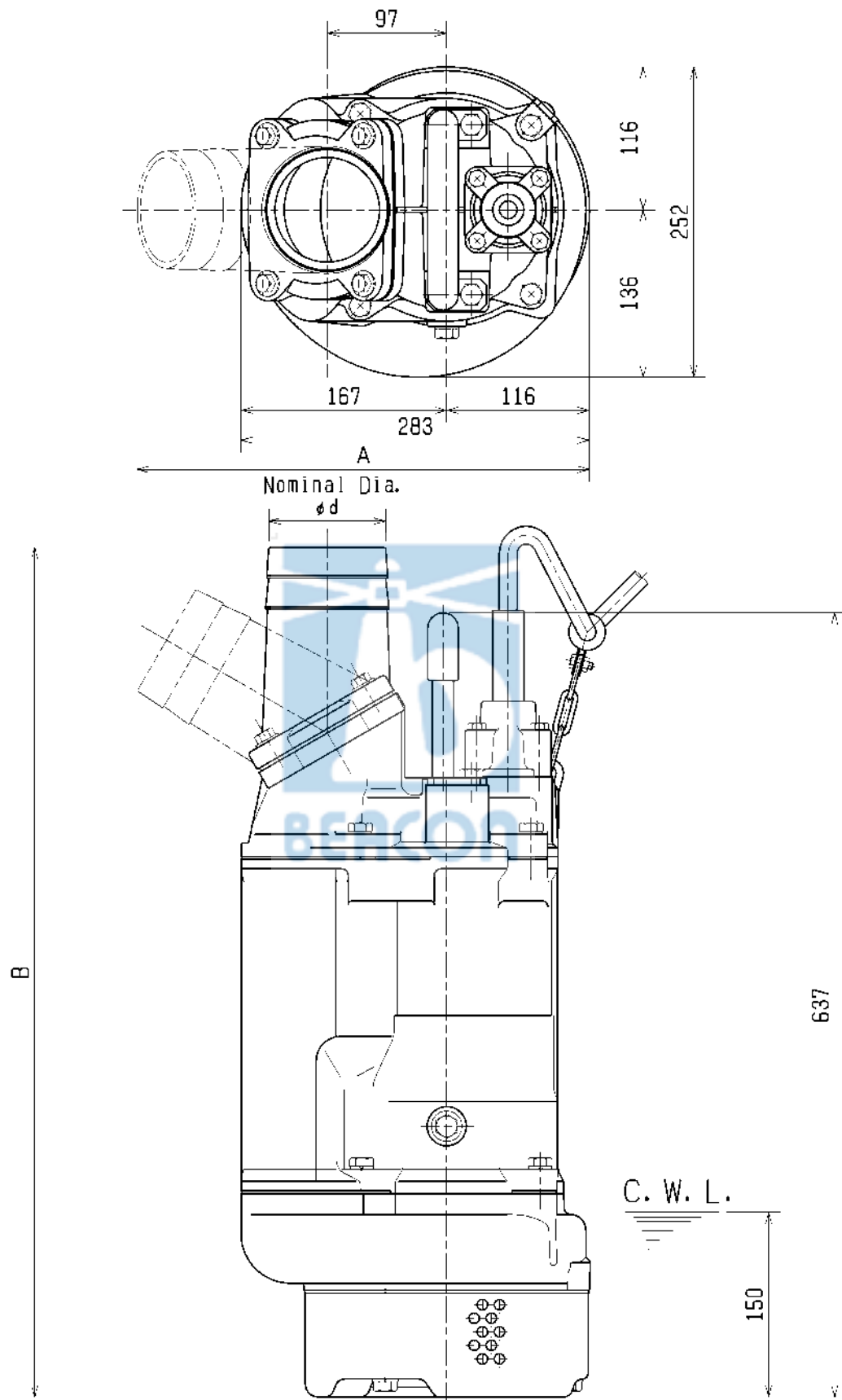
NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	MAX. 36.5 m	m
CAPACITY	MAX. 0.45 m ³ /min	m ³ /min
MOTOR OUTPUT	3.7 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.	A-21104-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	

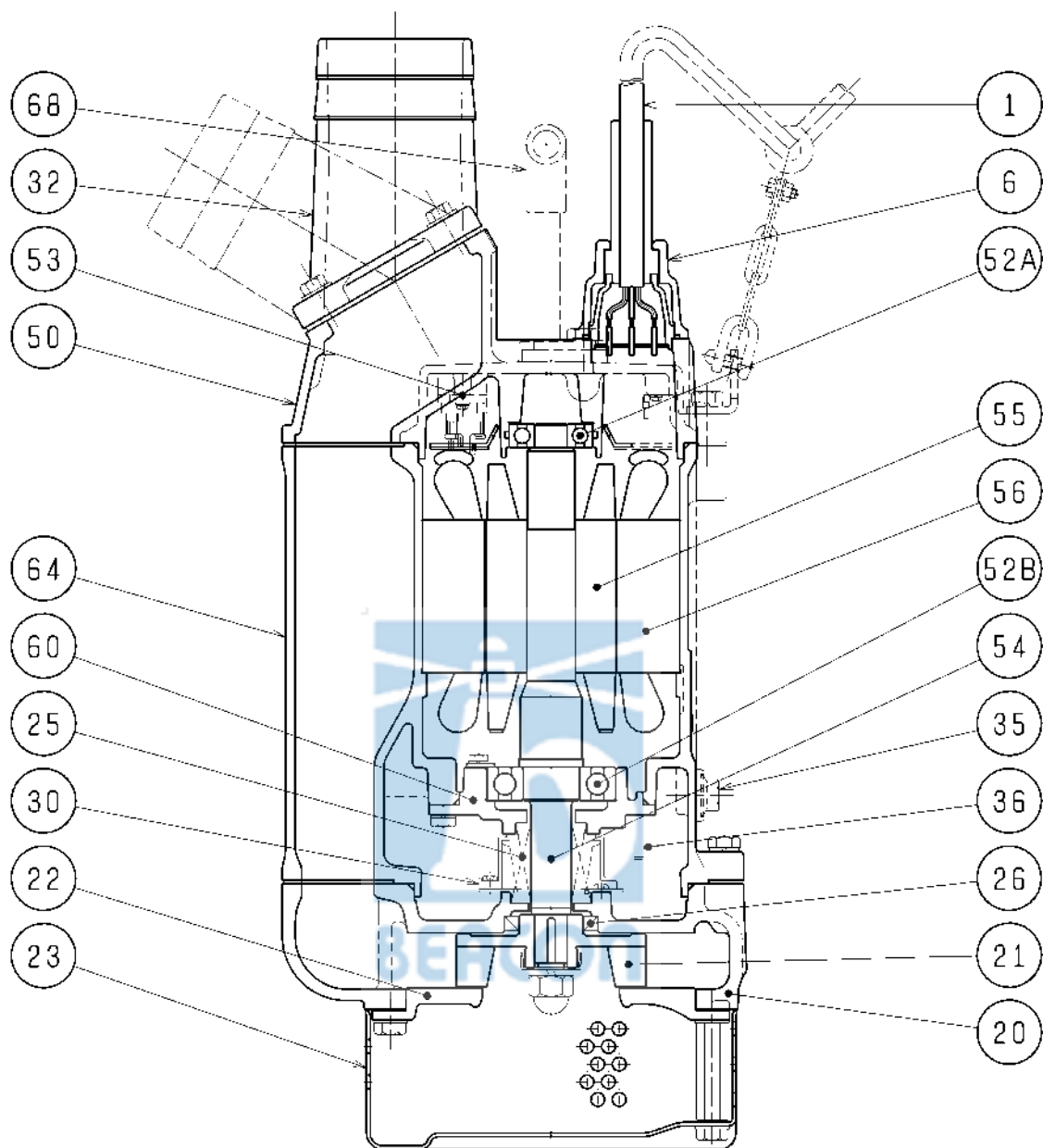


MODEL	d	A	B	Approximate Weight (kg)
KTZ23.7-53/63	50	342	675	60kg
KTZ33.7-53/63	80	347	675	60kg
KTZ43.7-53/63	100	367	690	60kg

※excluding cable

C. W. L. : Continuous running Water Level

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21108-1	
		MODEL KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	52A	Upper Bearing	1	6304ZC3
6	Stuffing Box	1	Gray Iron Casting	52B	Lower Bearing	1	6307ZC3
20	Pump Casing	1	Gray Iron Casting	53	Motor Protector	1	
21	Impeller	1	Chromium Iron Casting	54	Shaft	1	Stainless Steel 420J2(※)
22	Suction Cover	1	Ductile Iron Casting	55	Rotor	1	
23	Strainer Stand	1	Steel Sheet	56	Stator	1	
25	Mechanical Seal	1	HT-25T	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC40588	64	Motor Frame	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	68	Handle	1	Carbon Steel Pipe & Structure Steel
32	Hose Coupling	1	Aluminium Die Casting				
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				
50	Motor Bracket	1	Gray Iron Casting				

NO. A-21091-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ33.7 -53

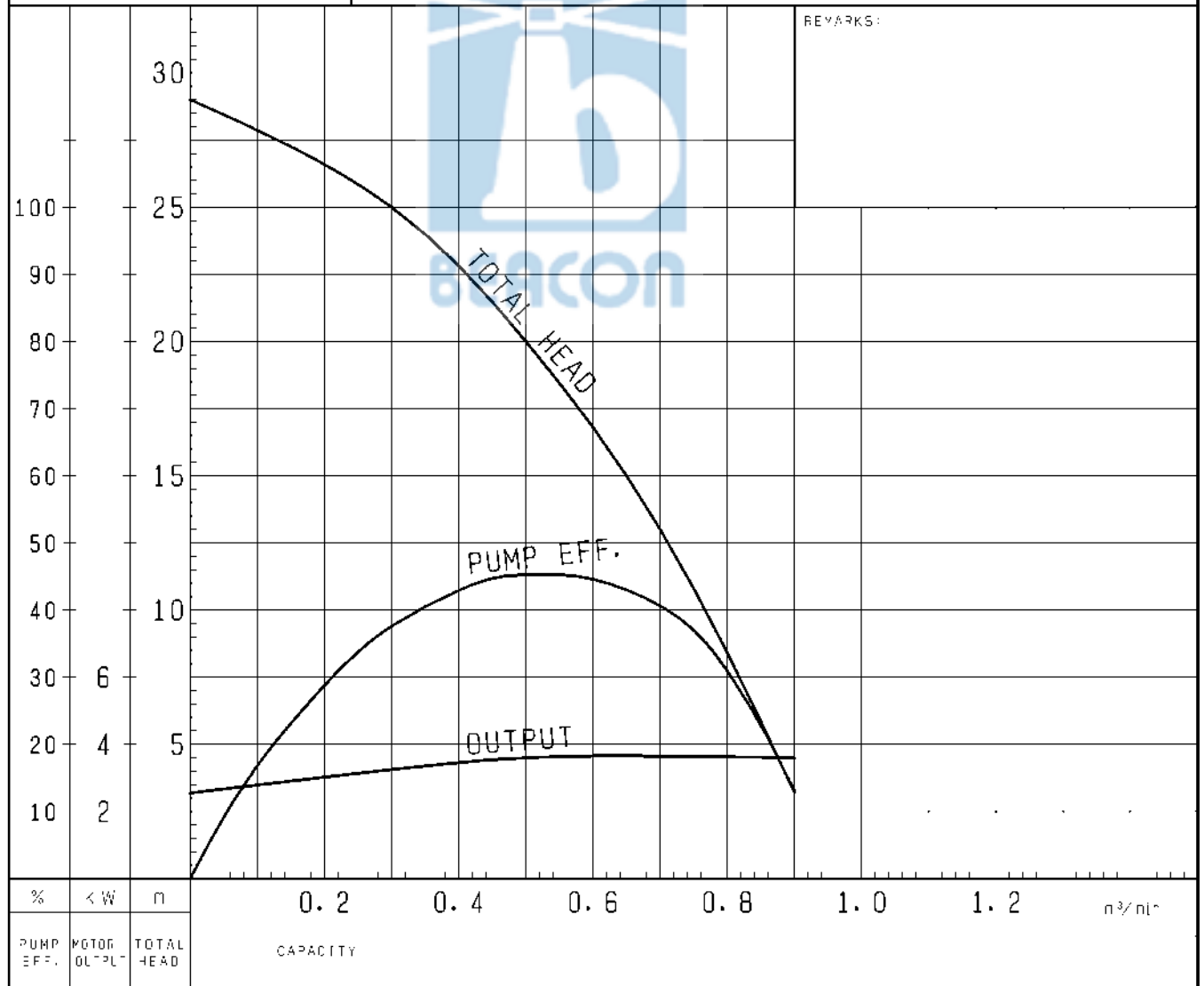
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

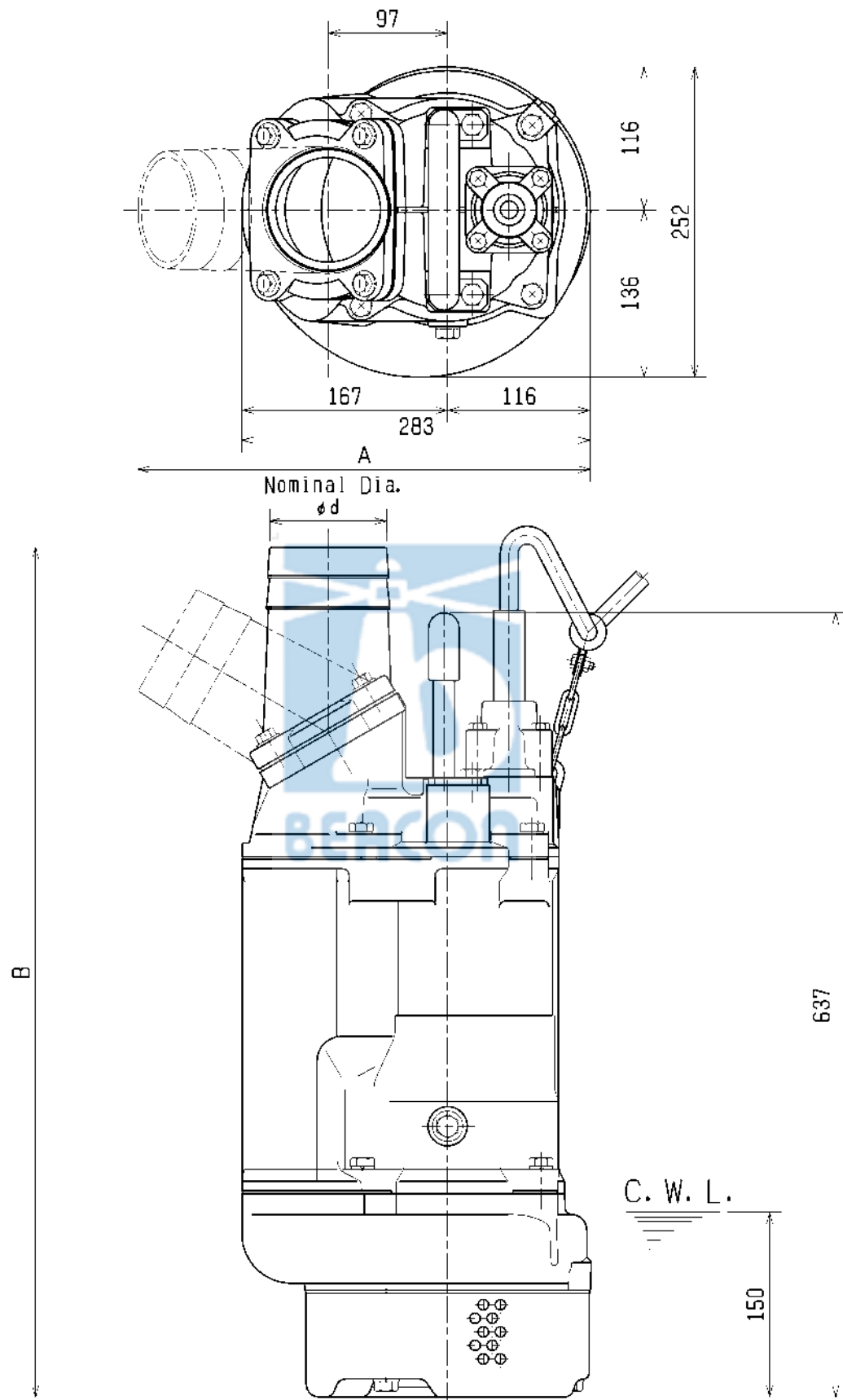
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	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	80 mm	mm
TOTAL HEAD	MAX. 29 m	m
CAPACITY	MAX. 0.9 m ³ /min	m ³ /min
MOTOR OUTPUT	3.7 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No.	A-21104-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	

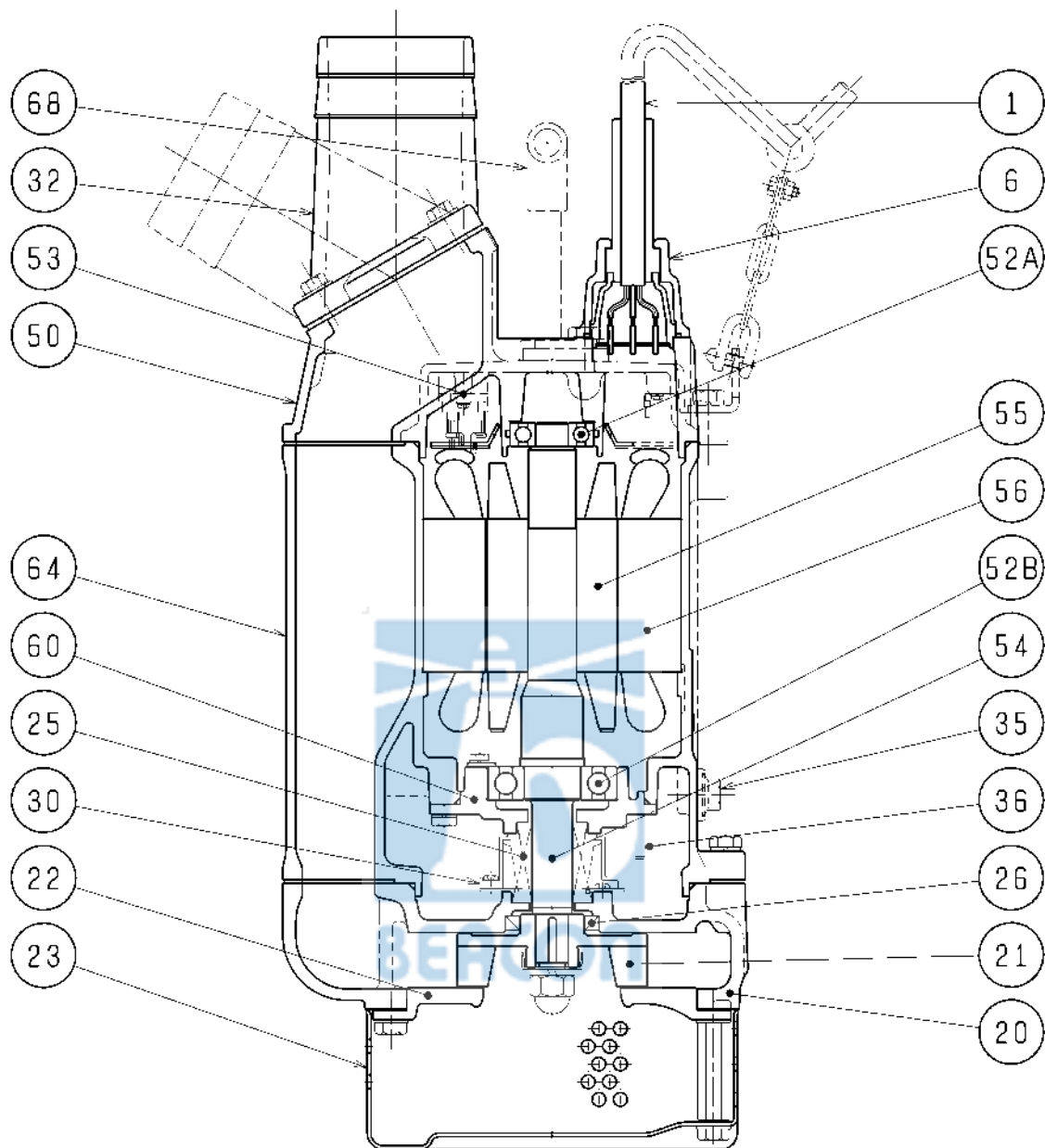


MODEL	d	A	B	Approximate Weight (kg)
KTZ23.7-53/63	50	342	675	60kg
KTZ33.7-53/63	80	347	675	60kg
KTZ43.7-53/63	100	367	690	60kg

※excluding cable

C. W. L. : Continuous running Water Level

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21108-1	
		MODEL KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	52A	Upper Bearing	1	6304ZC3
6	Stuffing Box	1	Gray Iron Casting	52B	Lower Bearing	1	6307ZC3
20	Pump Casing	1	Gray Iron Casting	53	Motor Protector	1	
21	Impeller	1	Chromium Iron Casting	54	Shaft	1	Stainless Steel 420J2(※)
22	Suction Cover	1	Ductile Iron Casting	55	Rotor	1	
23	Strainer Stand	1	Steel Sheet	56	Stator	1	
25	Mechanical Seal	1	HT-25T	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC40588	64	Motor Frame	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	68	Handle	1	Carbon Steel Pipe & Structure Steel
32	Hose Coupling	1	Aluminium Die Casting				
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				
50	Motor Bracket	1	Gray Iron Casting				

NO. A-21093-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ43.7 -53

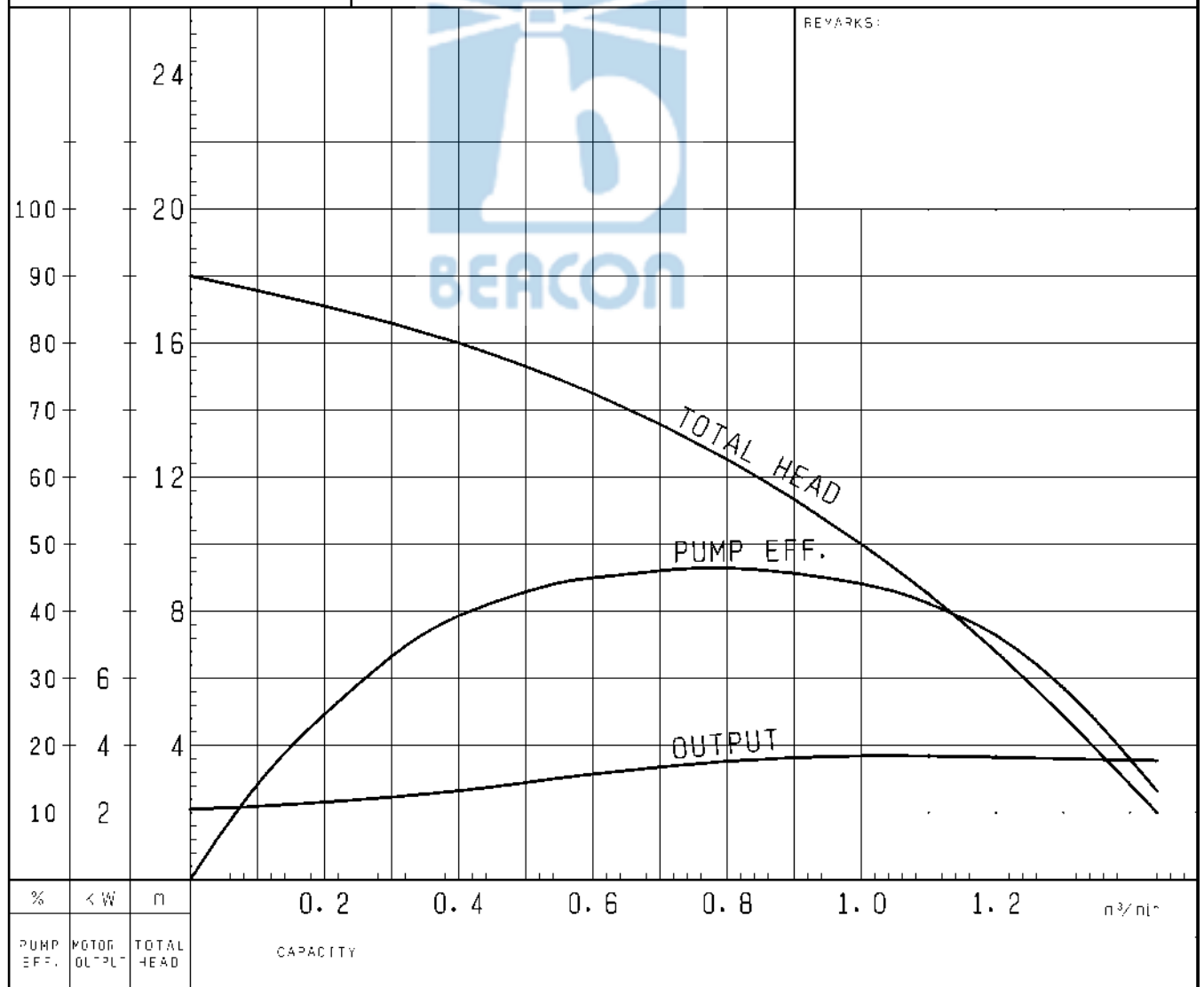
FREQUENCY 50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

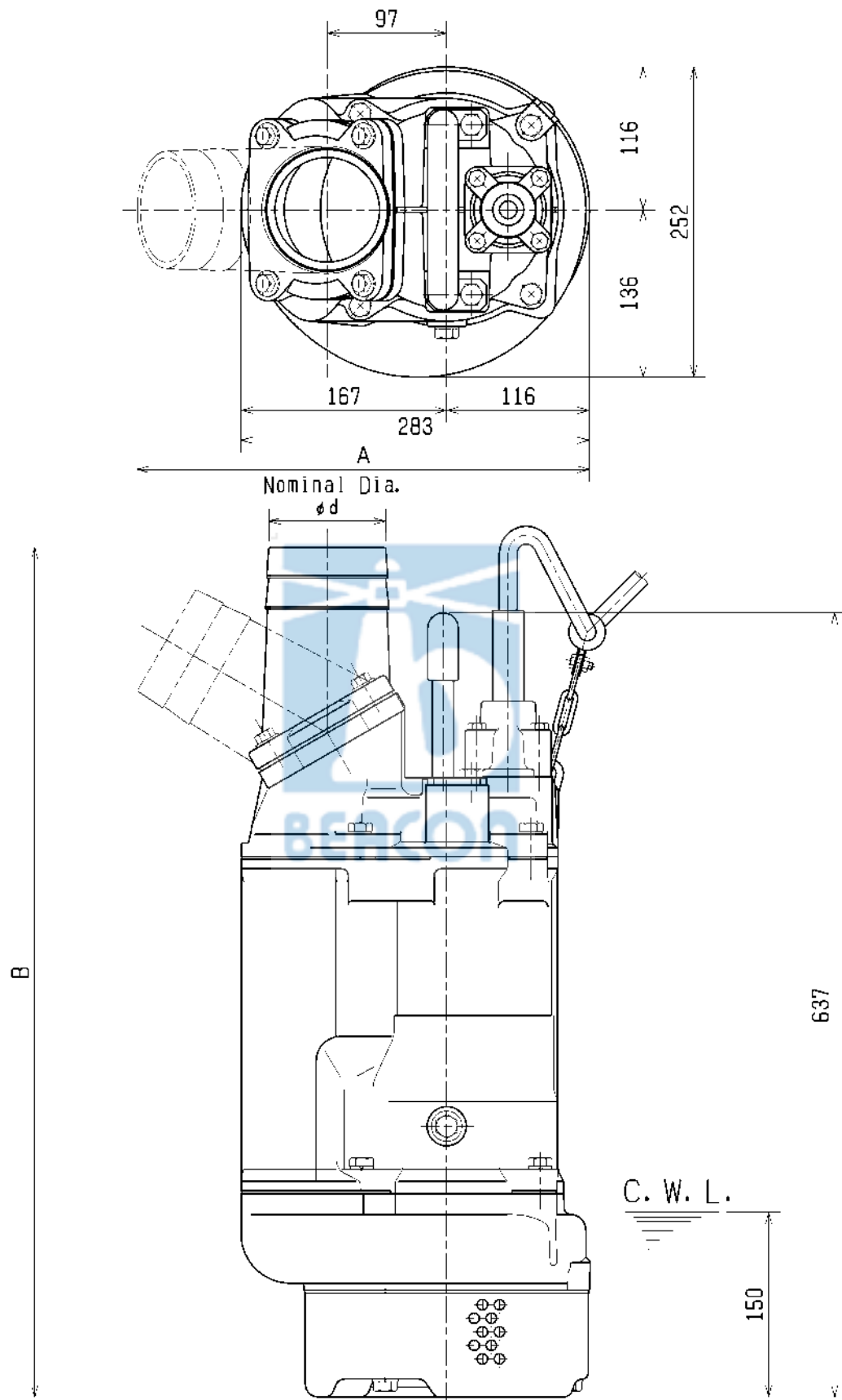
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	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	MAX. 18 m	m
CAPACITY	MAX. 1.44 m ³ /min	m ³ /min
MOTOR OUTPUT	3.7 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No.	A-21104-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	

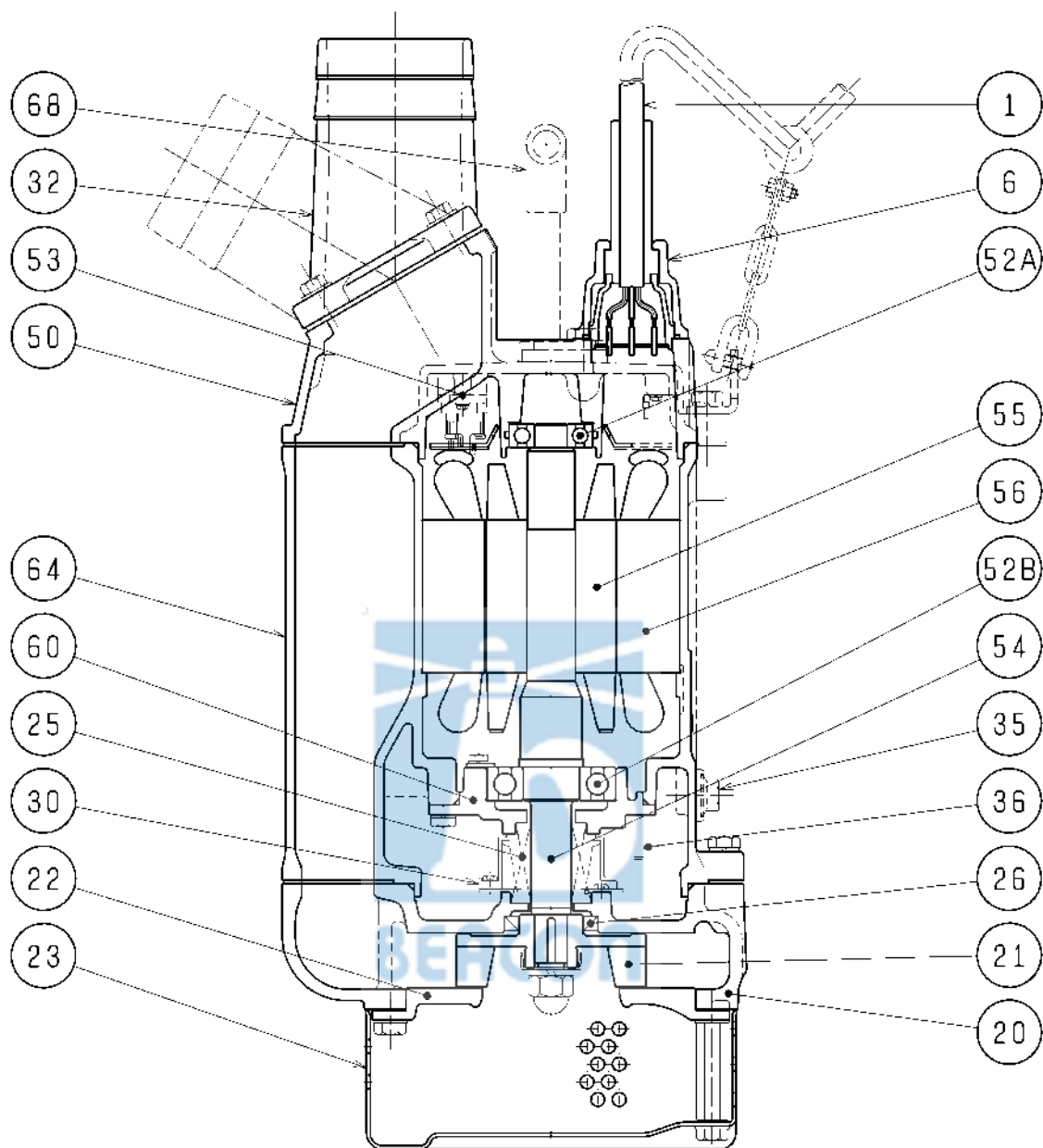


MODEL	d	A	B	Approximate Weight (kg)
KTZ23.7-53/63	50	342	675	60kg
KTZ33.7-53/63	80	347	675	60kg
KTZ43.7-53/63	100	367	690	60kg

※excluding cable

C. W. L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	A-21108-1	
		MODEL KTZ23.7 -53/63, KTZ33.7 -53/63 KTZ43.7 -53/63	



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	52A	Upper Bearing	1	6304ZC3
6	Stuffing Box	1	Gray Iron Casting	52B	Lower Bearing	1	6307ZC3
20	Pump Casing	1	Gray Iron Casting	53	Motor Protector	1	
21	Impeller	1	Chromium Iron Casting	54	Shaft	1	Stainless Steel 420J2(※)
22	Suction Cover	1	Ductile Iron Casting	55	Rotor	1	
23	Strainer Stand	1	Steel Sheet	56	Stator	1	
25	Mechanical Seal	1	HT-25T	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC40588	64	Motor Frame	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	68	Handle	1	Carbon Steel Pipe & Structure Steel
32	Hose Coupling	1	Aluminium Die Casting				
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				
50	Motor Bracket	1	Gray Iron Casting				

NO. A-21095-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ35.5 -53

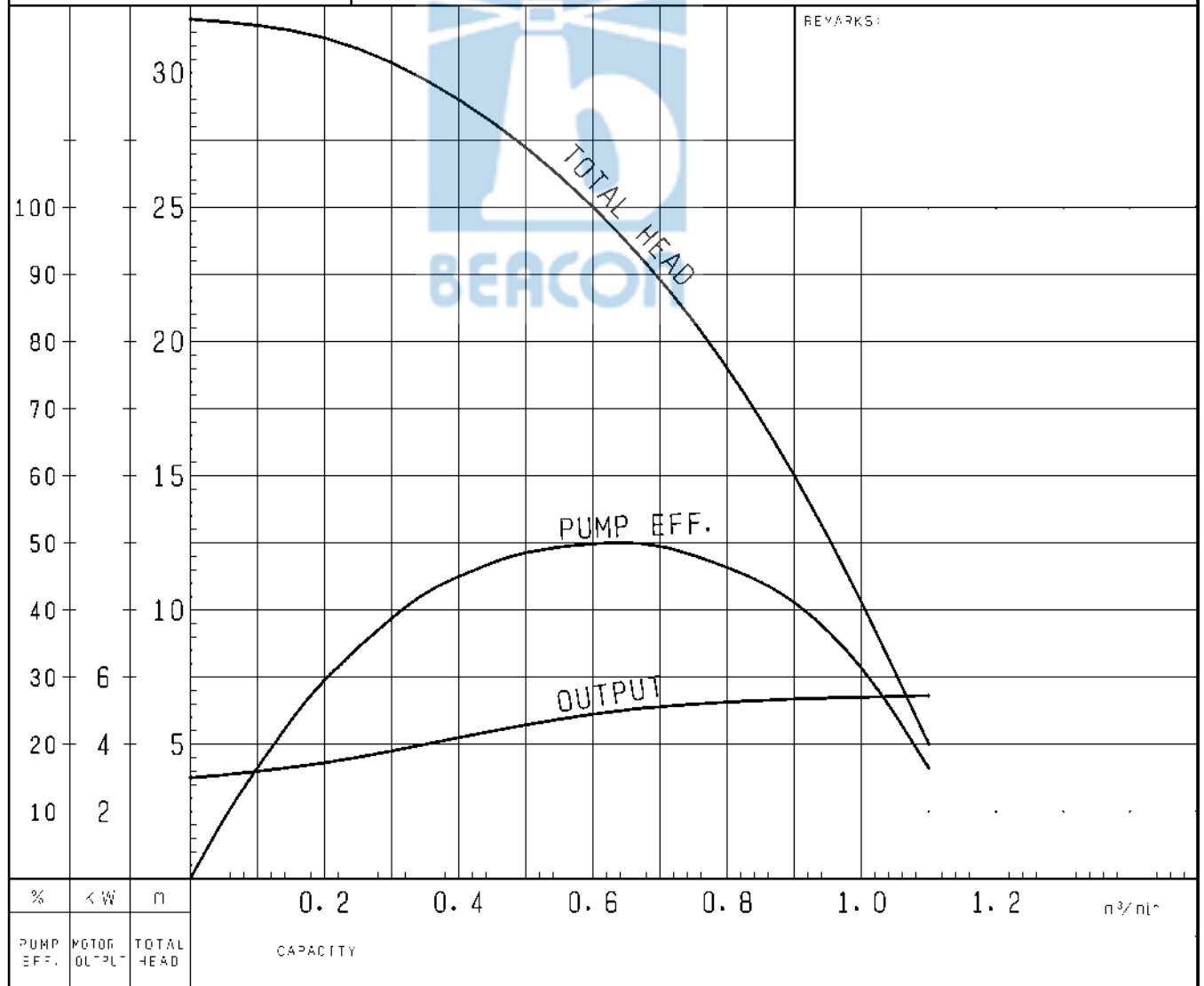
FREQUENCY 50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	80 mm	mm
TOTAL HEAD	MAX. 32 m	m
CAPACITY	MAX. 1.1 m ³ /min	m ³ /min
MOTOR OUTPUT	5.5 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	

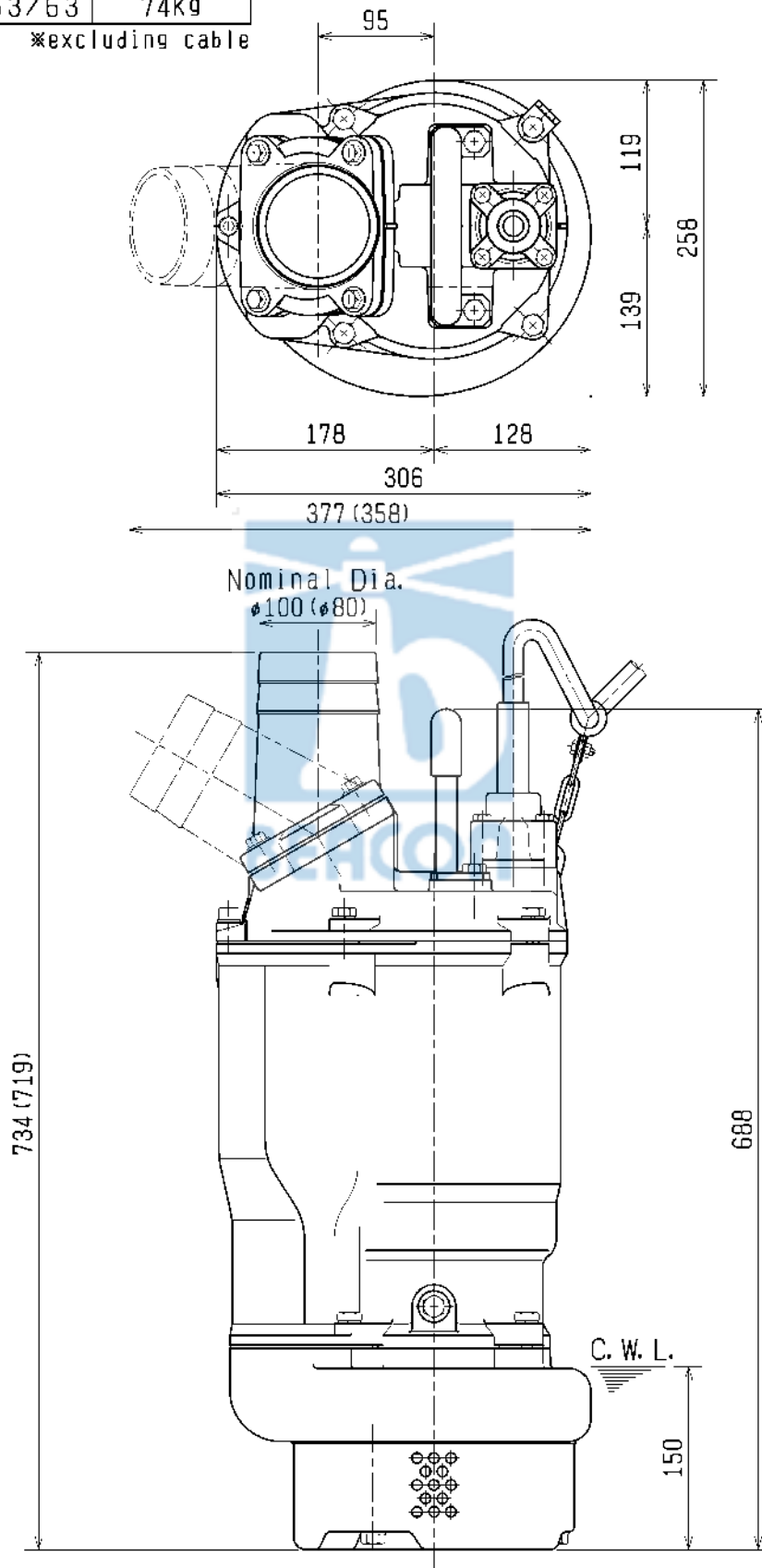


TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No.	A-21105-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ35.5 -53/63 KTZ45.5 -53/63	

MODEL	Approximate Weight (※)
KTZ35.5-53/63	74kg
KTZ45.5-53/63	74kg

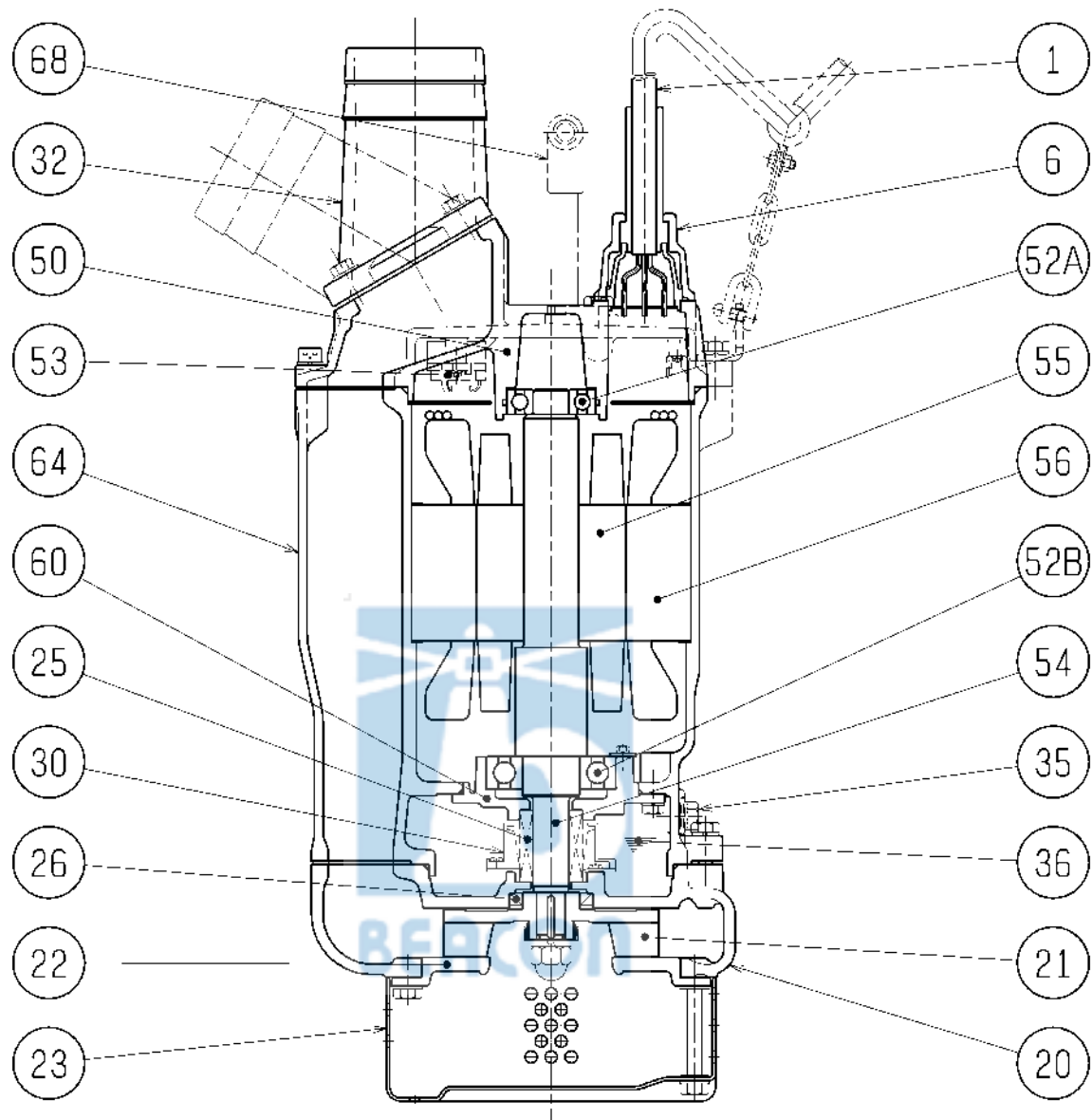
※excluding cable



The Figure in () shows the dimensions of KTZ35.5.

C. W. L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No.	A-21109-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ35.5 -53/63 KTZ45.5 -53/63	



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	50	Motor Bracket	1	Gray Iron Casting
6	Stuffing Box	1	Gray Iron Casting	52A	Upper Bearing	1	6305ZZC3
20	Pump Casing	1	Gray Iron Casting	52B	Lower Bearing	1	6308ZZC3
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 Stand	1	Steel Sheet	55	Rotor	1	
25	Mechanical Seal	1	H-25T	56	Stator	1	
26	Oil Seal	1	TC40588	60	Bearing Housing	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Carbon Steel Pipe & Structure Steel
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO. A-21097-1

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ45.5 -53

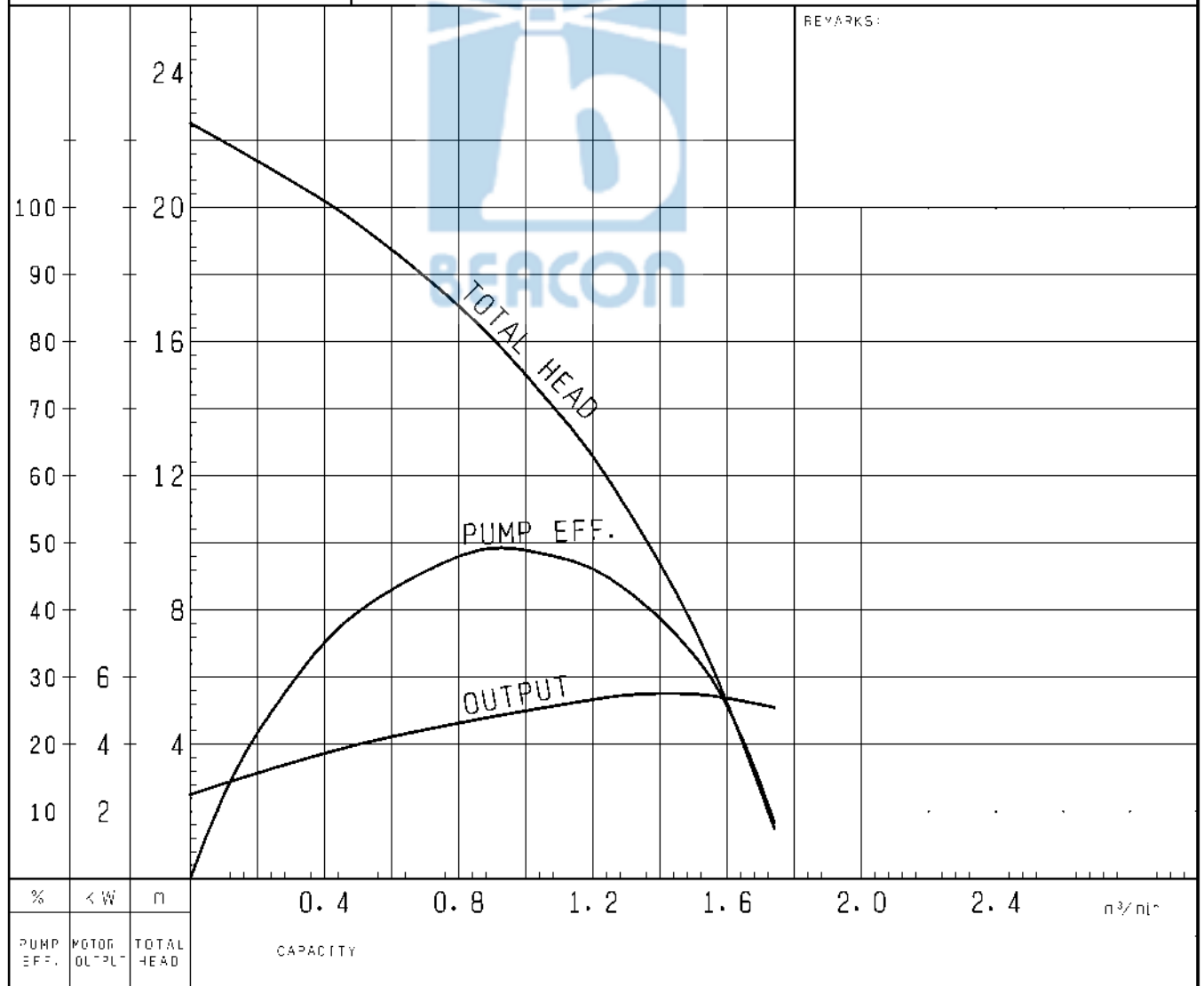
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	MAX. 22.5 m	m
CAPACITY	MAX. 1.74 m ³ /min	m ³ /min
MOTOR OUTPUT	5.5 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	

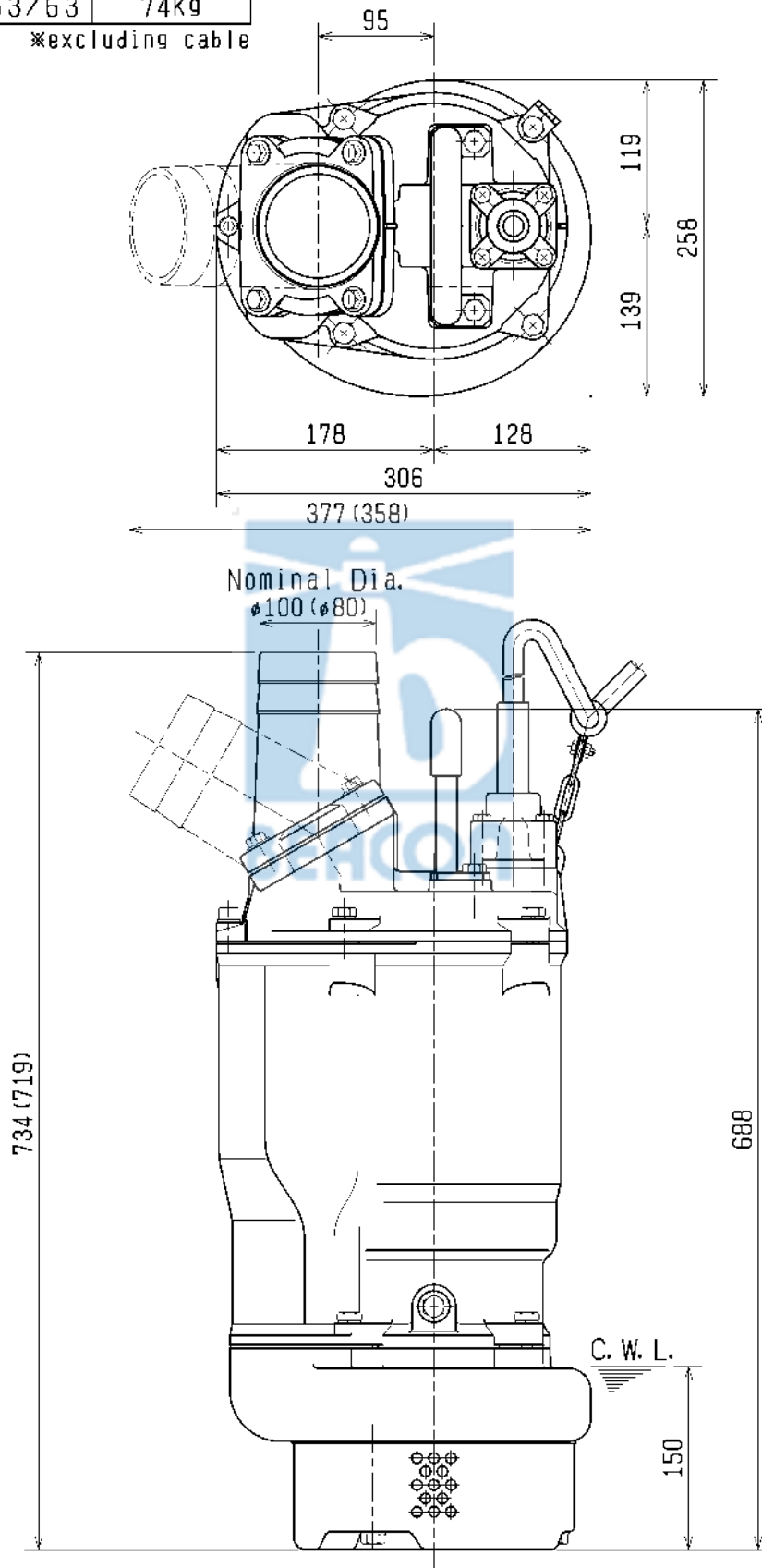


TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No.	A-21105-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ35.5 -53/63 KTZ45.5 -53/63	

MODEL	Approximate Weight (※)
KTZ35.5-53/63	74kg
KTZ45.5-53/63	74kg

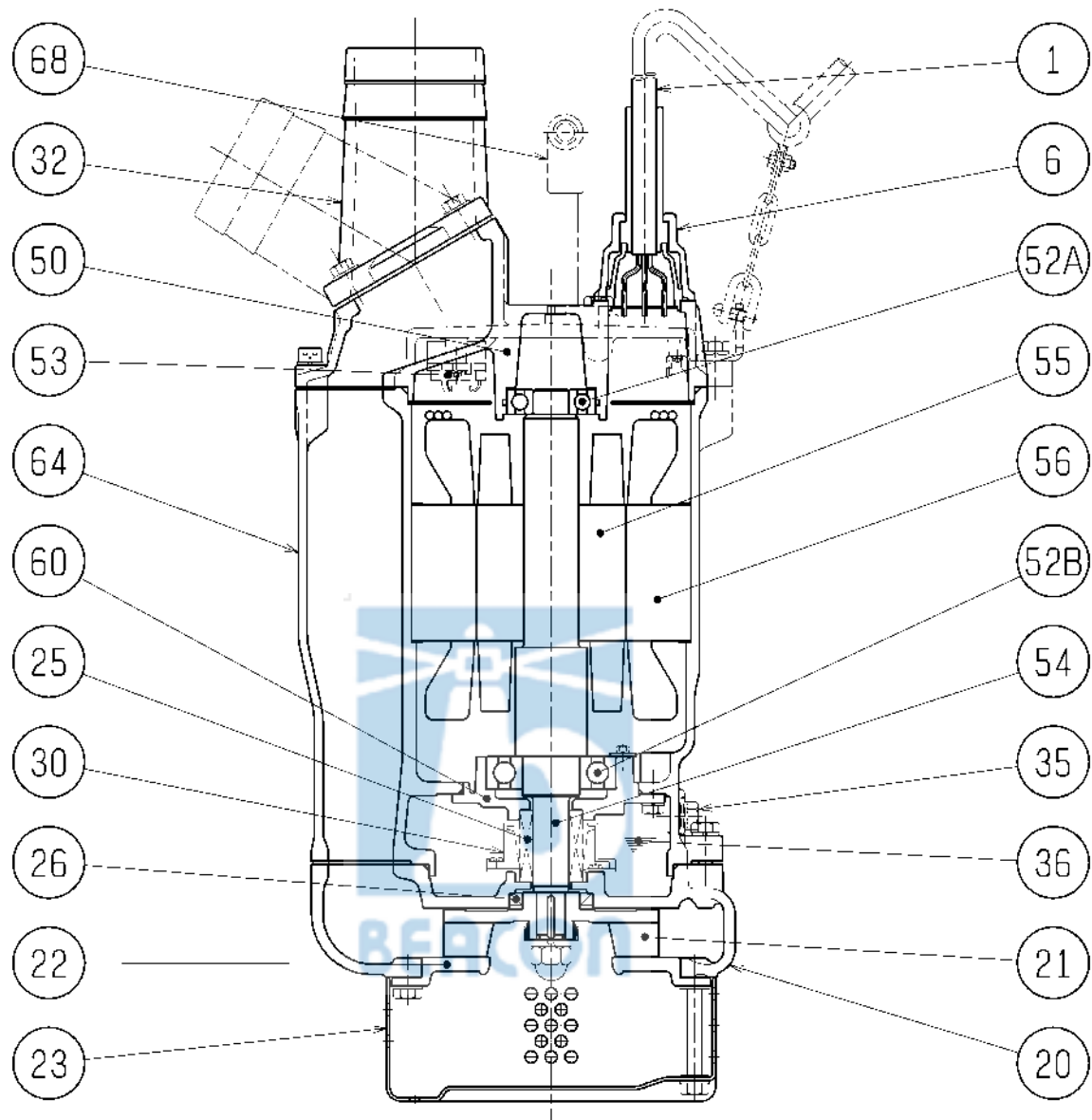
※excluding cable



The Figure in () shows the dimensions of KTZ35.5.

C.W.L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No.	A-21109-1
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ35.5 -53/63 KTZ45.5 -53/63	



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	50	Motor Bracket	1	Gray Iron Casting
6	Stuffing Box	1	Gray Iron Casting	52A	Upper Bearing	1	6305ZZC3
20	Pump Casing	1	Gray Iron Casting	52B	Lower Bearing	1	6308ZZC3
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 Stand	1	Steel Sheet	55	Rotor	1	
25	Mechanical Seal	1	H-25T	56	Stator	1	
26	Oil Seal	1	TC40588	60	Bearing Housing	1	Gray Iron Casting
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Gray Iron Casting
32	Hose Coupling	1	Aluminium Die Casting	68	Handle	1	Carbon Steel Pipe & Structure Steel
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO.

A-21099-1T

PUMP PERFORMANCE CURVES

TYPE

SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL

KTZ47.5 -53

FREQUENCY

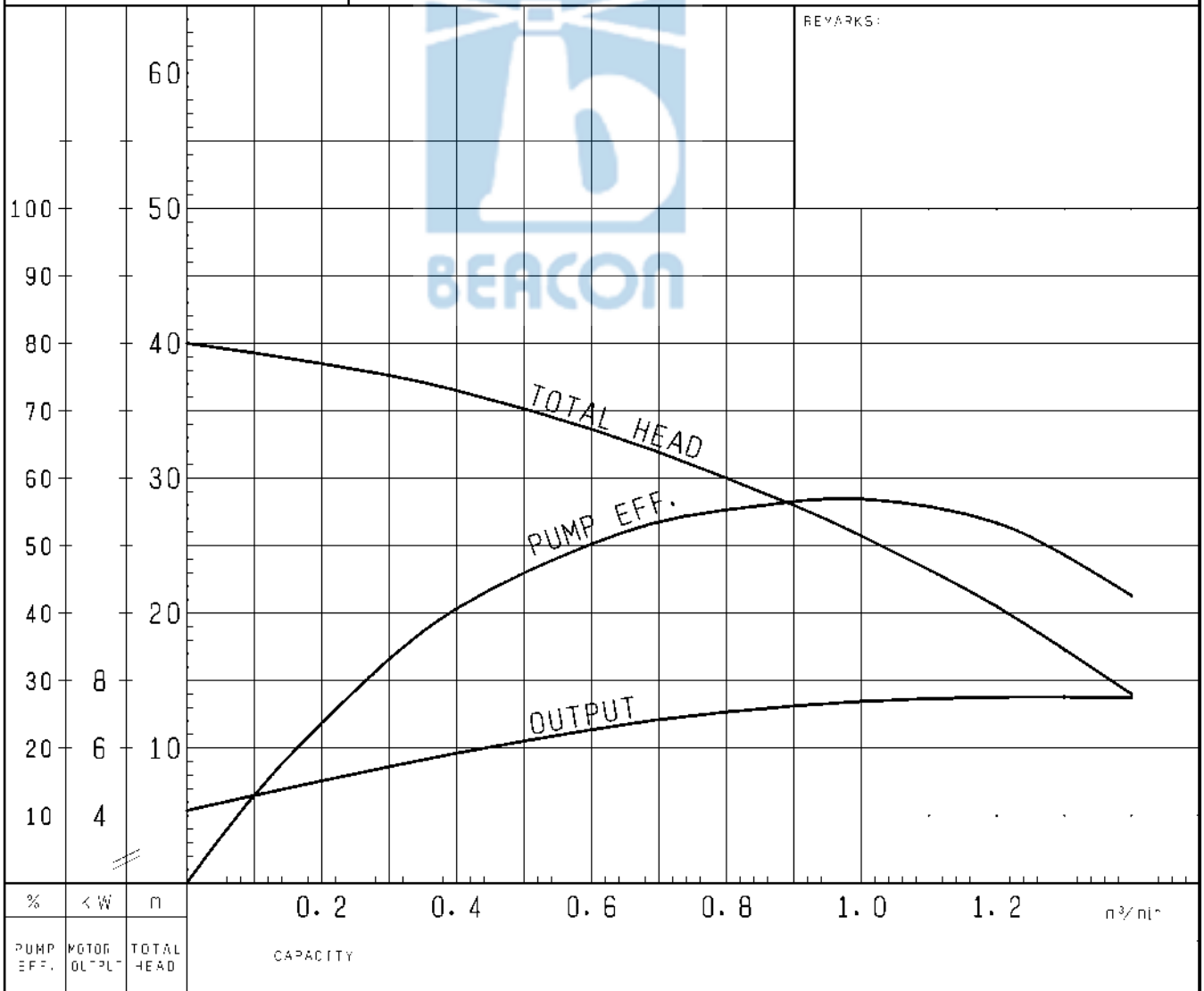
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

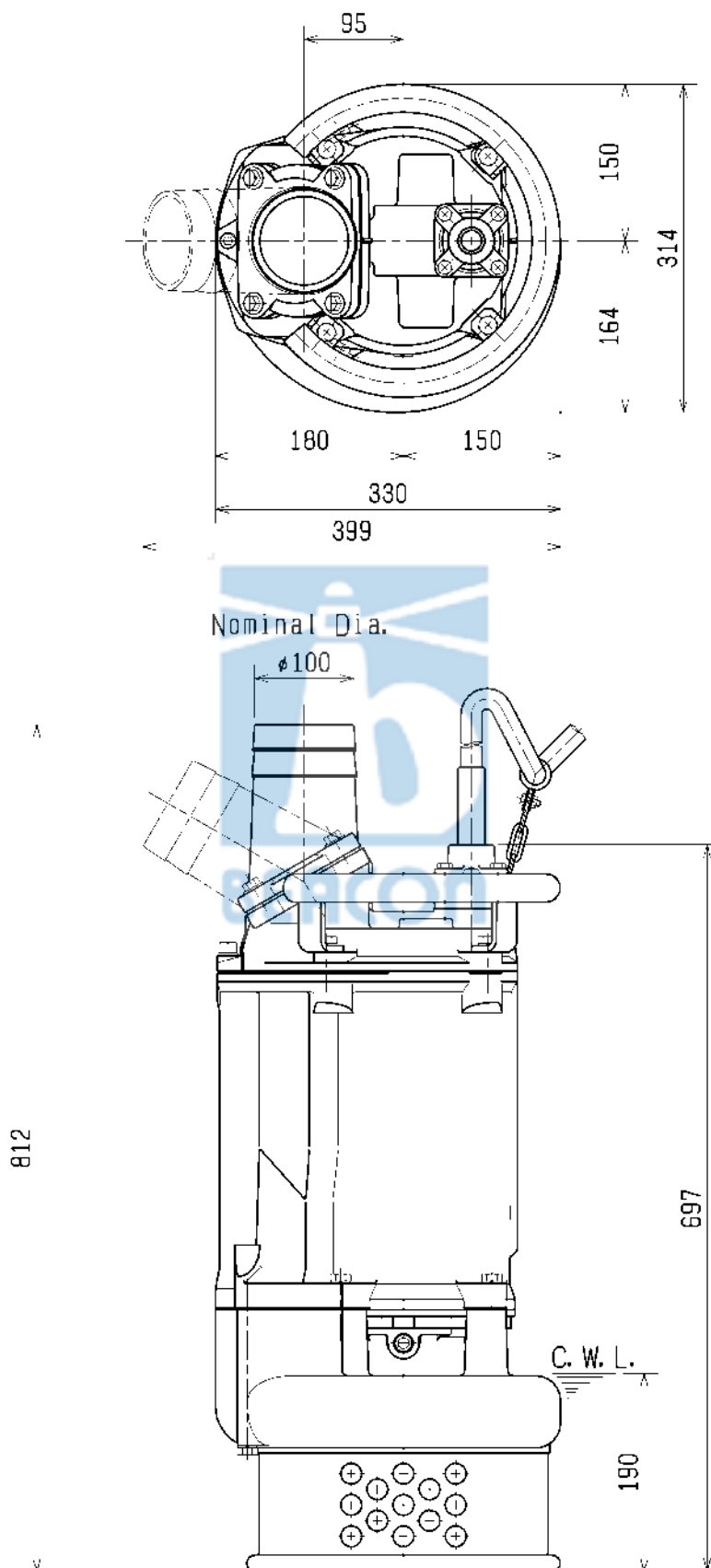
	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	MAX. 40 m	m
CAPACITY	MAX. 1.4 m ³ /min	m ³ /min
MOTOR OUTPUT	7.5 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



TSURUMI MFG. CO., LTD.

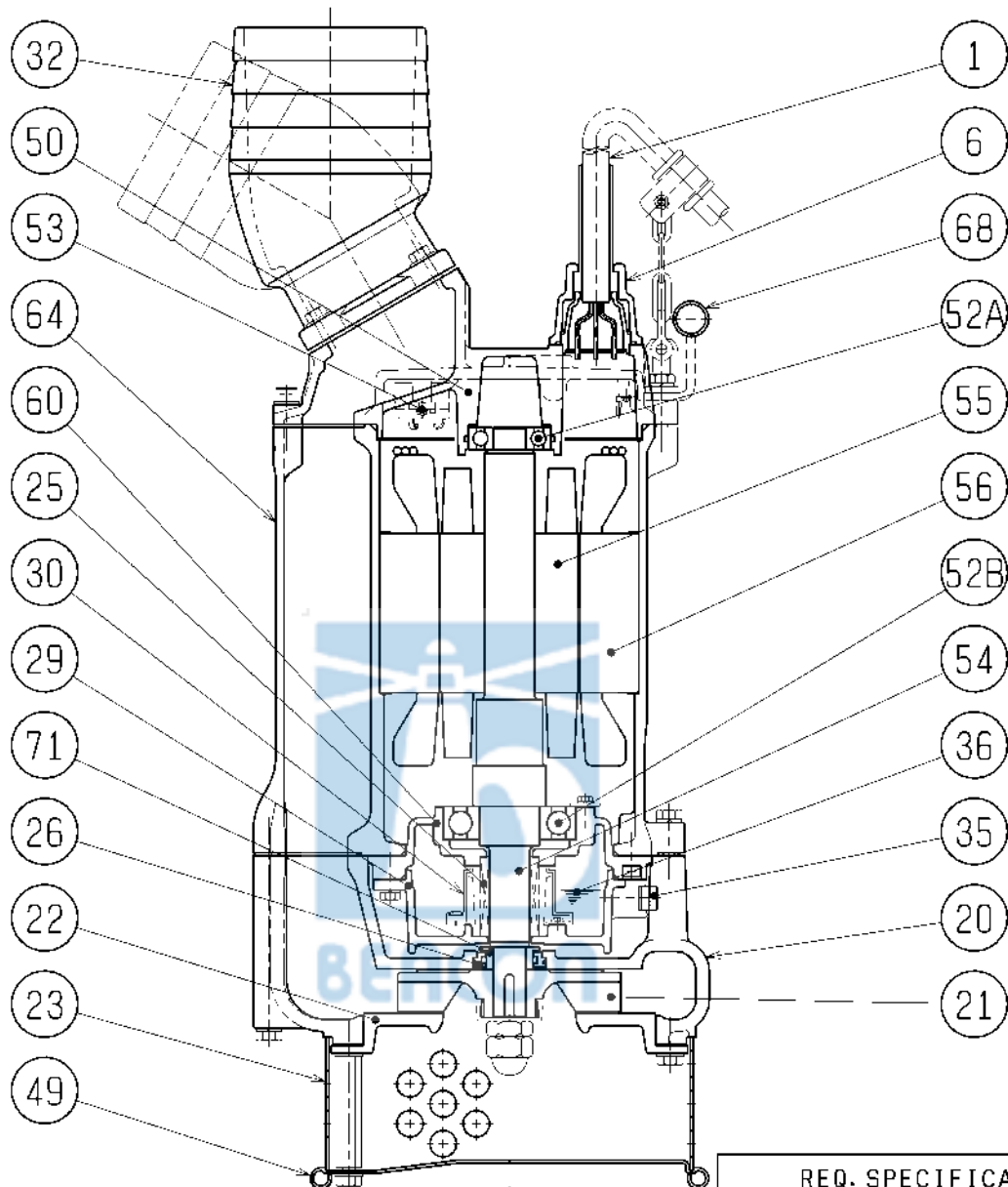
DIMENSION DRAWING		No.		No.	A-21106-1T
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ47.5 -53/63		

Approximate Weight (※)
101kg



C.W.L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ47.5 -53/63
			KTZ67.5 -53/63



※1

KTZ47.5	Aluminium Die Casting
KTZ67.5	Aluminium Alloy Casting

REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	50	Motor Bracket	1	Gray Iron Casting
6	Stuffing Box	1	Gray Iron Casting	52A	Upper Bearing	1	6305ZZC3
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	※1	71	Shaft Sleeve	1	Stainless Steel 403
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				
49	Bottom Plate	1	Steel Sheet				

NO.

A-21101-1T

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ67.5 -53

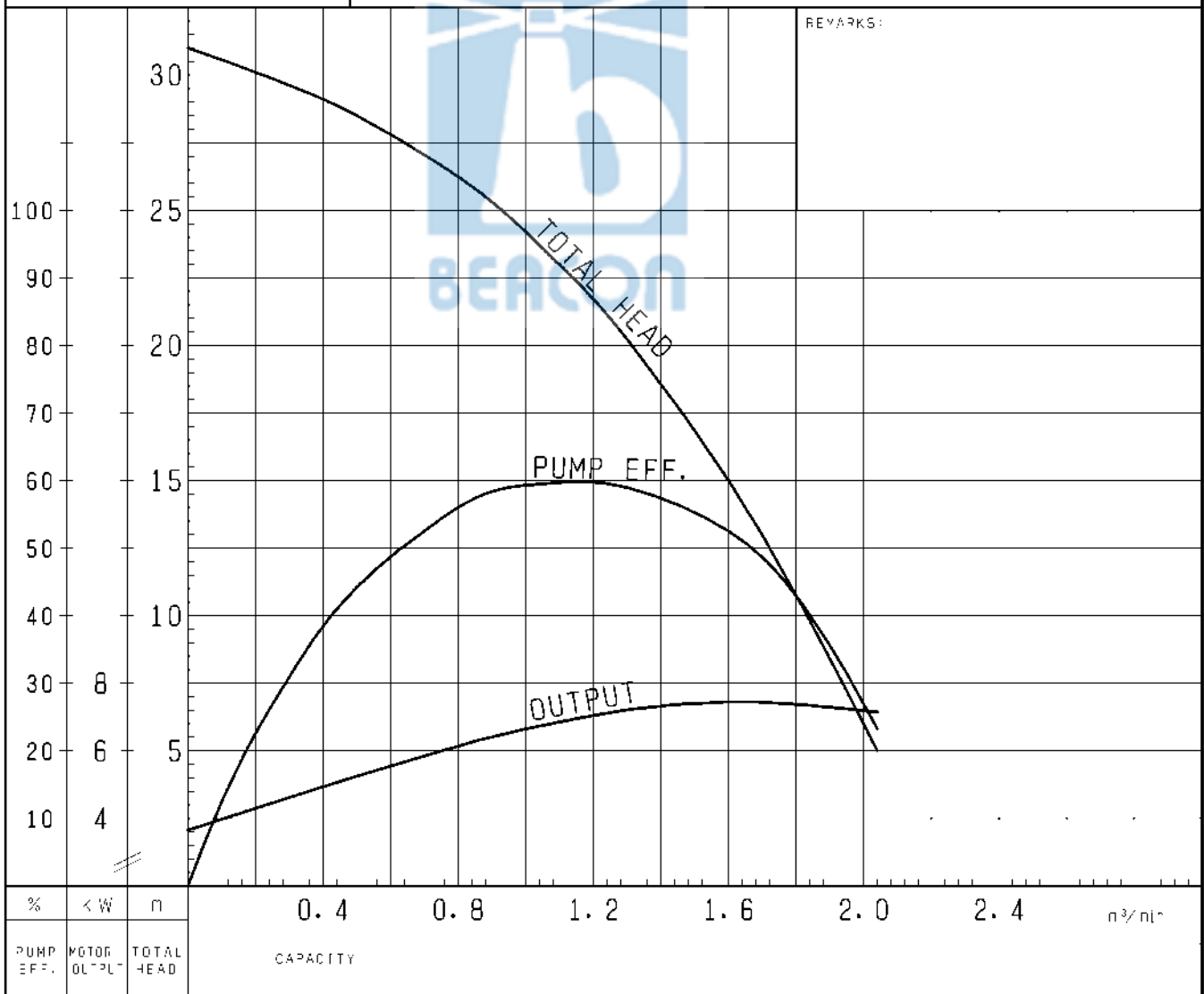
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

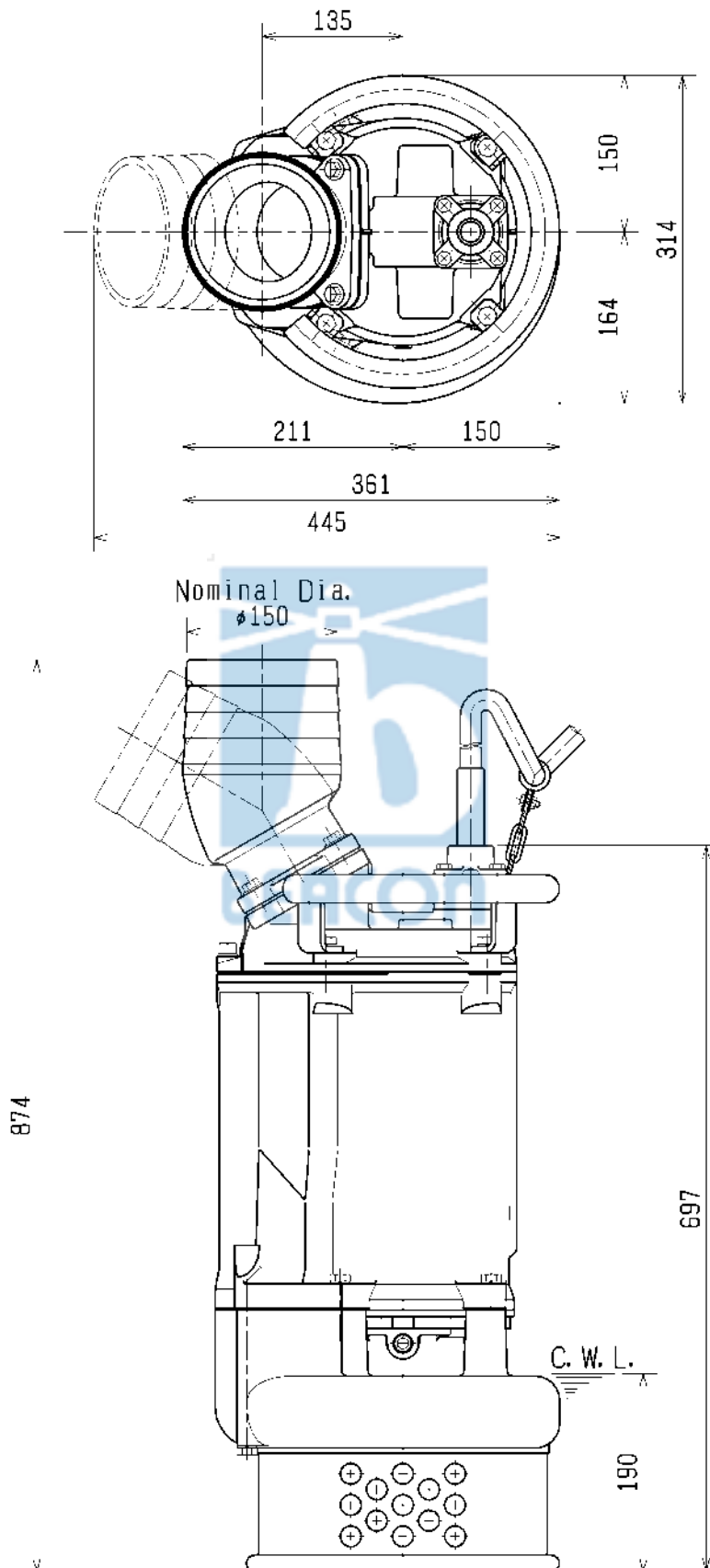
NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	150 mm	mm
TOTAL HEAD	MAX. 31 m	m
CAPACITY	MAX. 2.03 m ³ /min	m ³ /min
MOTOR OUTPUT	7.5 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	



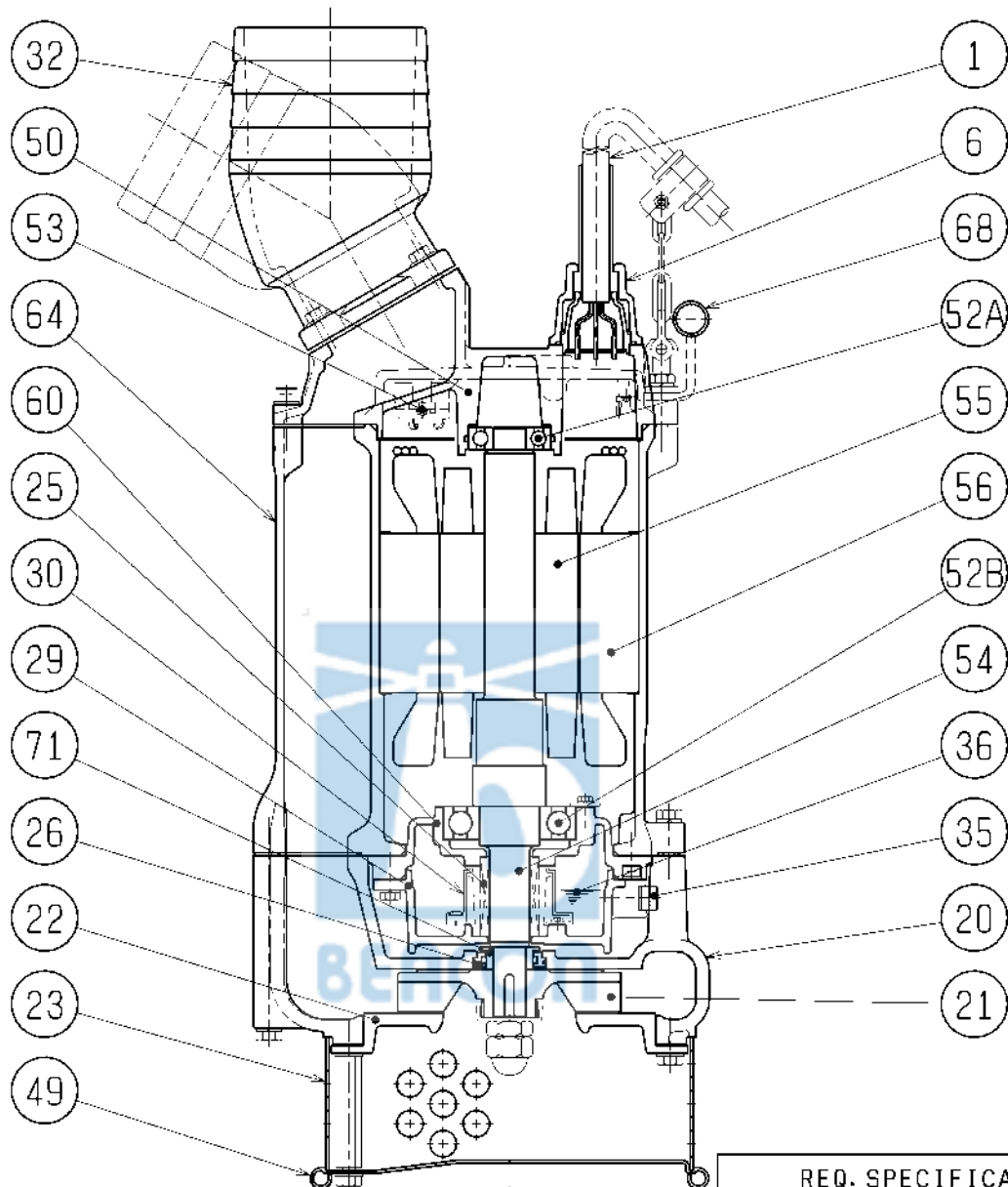
TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ67.5 -53/63



C. W. L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ47.5 -53/63
			KTZ67.5 -53/63



※1

KTZ47.5	Aluminium Die Casting
KTZ67.5	Aluminium Alloy Casting

REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	50	Motor Bracket	1	Gray Iron Casting
6	Stuffing Box	1	Gray Iron Casting	52A	Upper Bearing	1	6305ZC3
20	Pump Casing	1	Gray Iron Casting	52B	Lower Bearing	1	6309ZC3
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	※1	71	Shaft Sleeve	1	Stainless Steel 403
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				
49	Bottom Plate	1	Steel Sheet				

NO.

A-21609-1T

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ411 -53

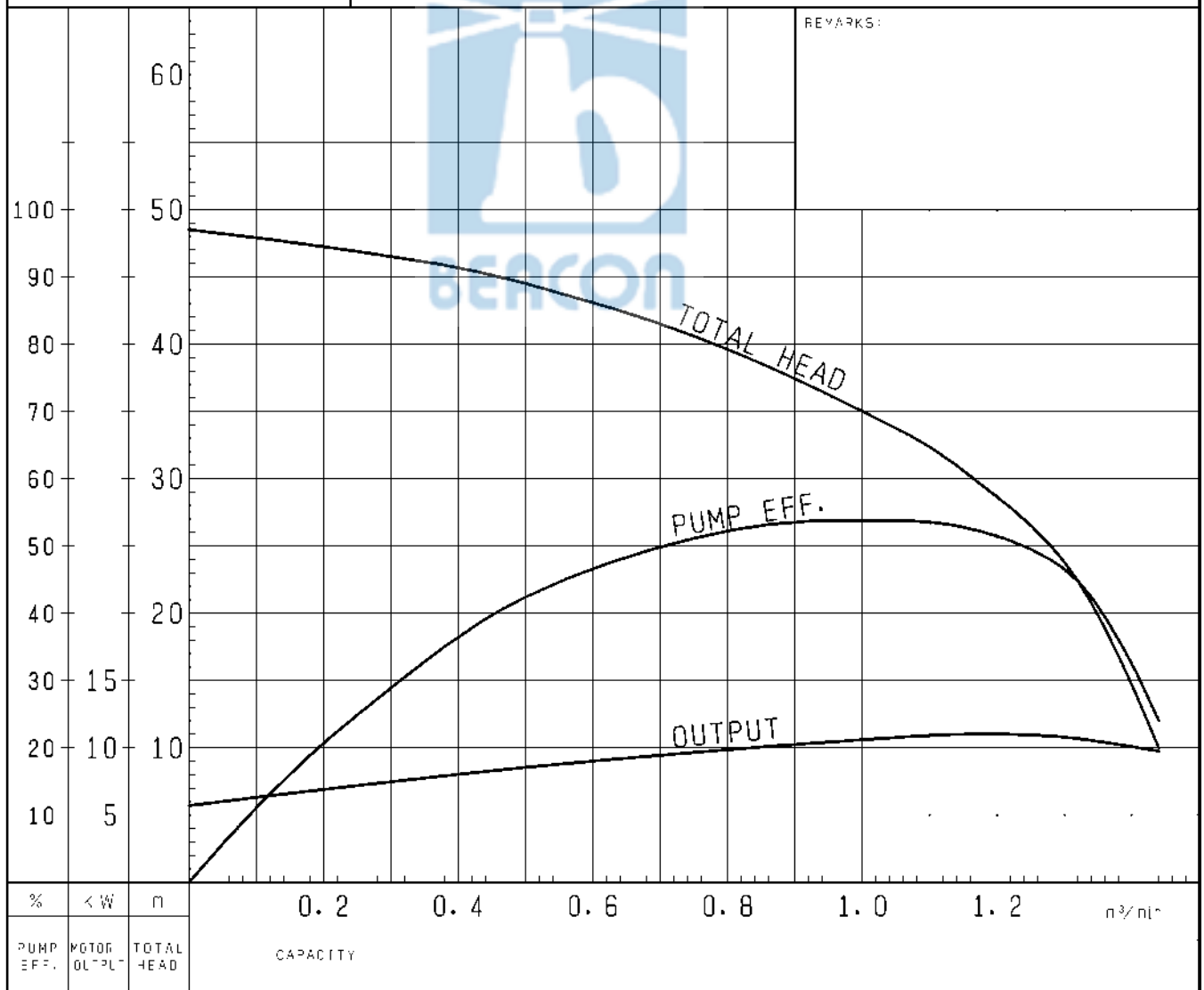
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

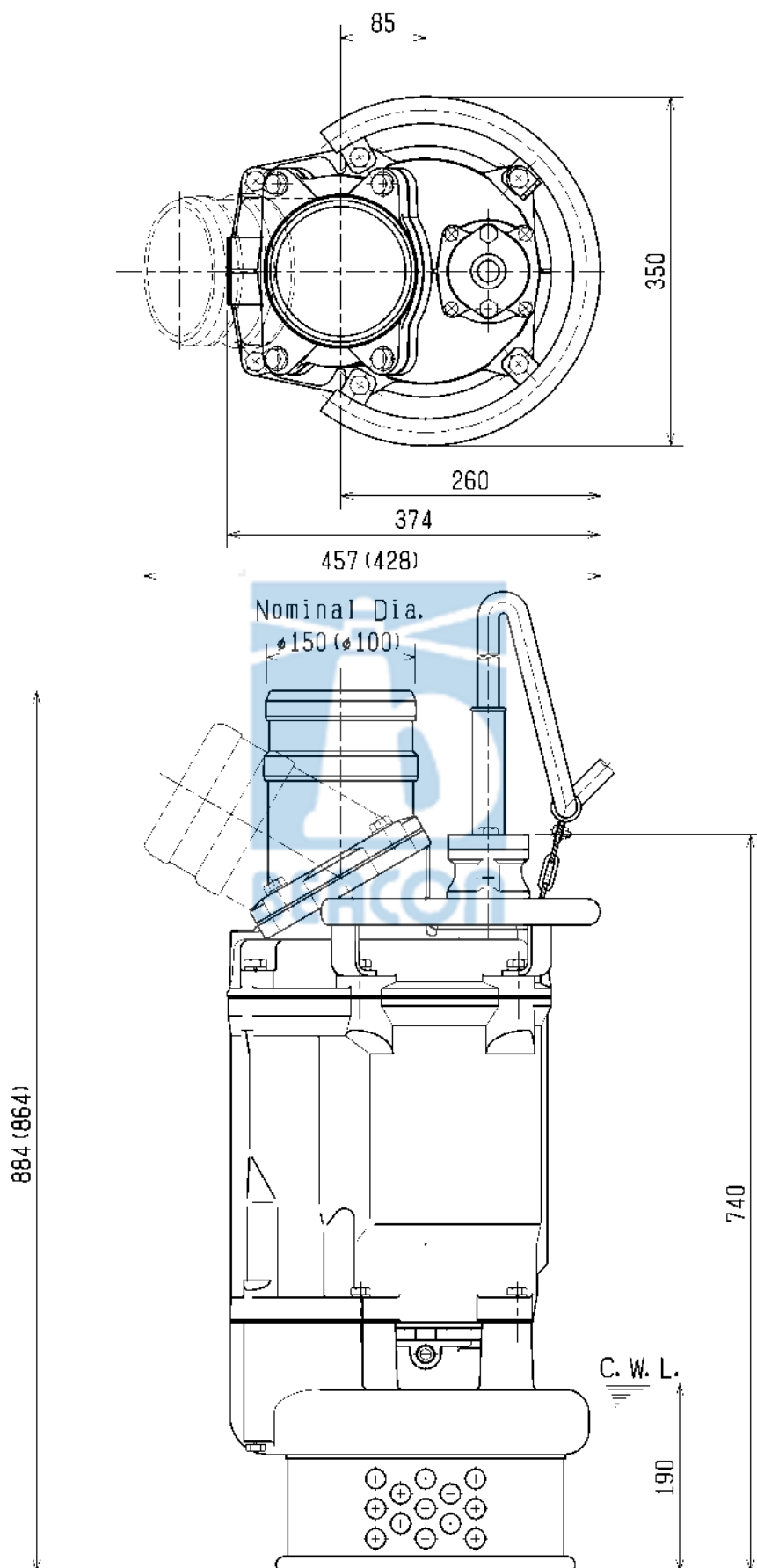
NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	MAX. 48.5 m	m
CAPACITY	MAX. 1.44 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.

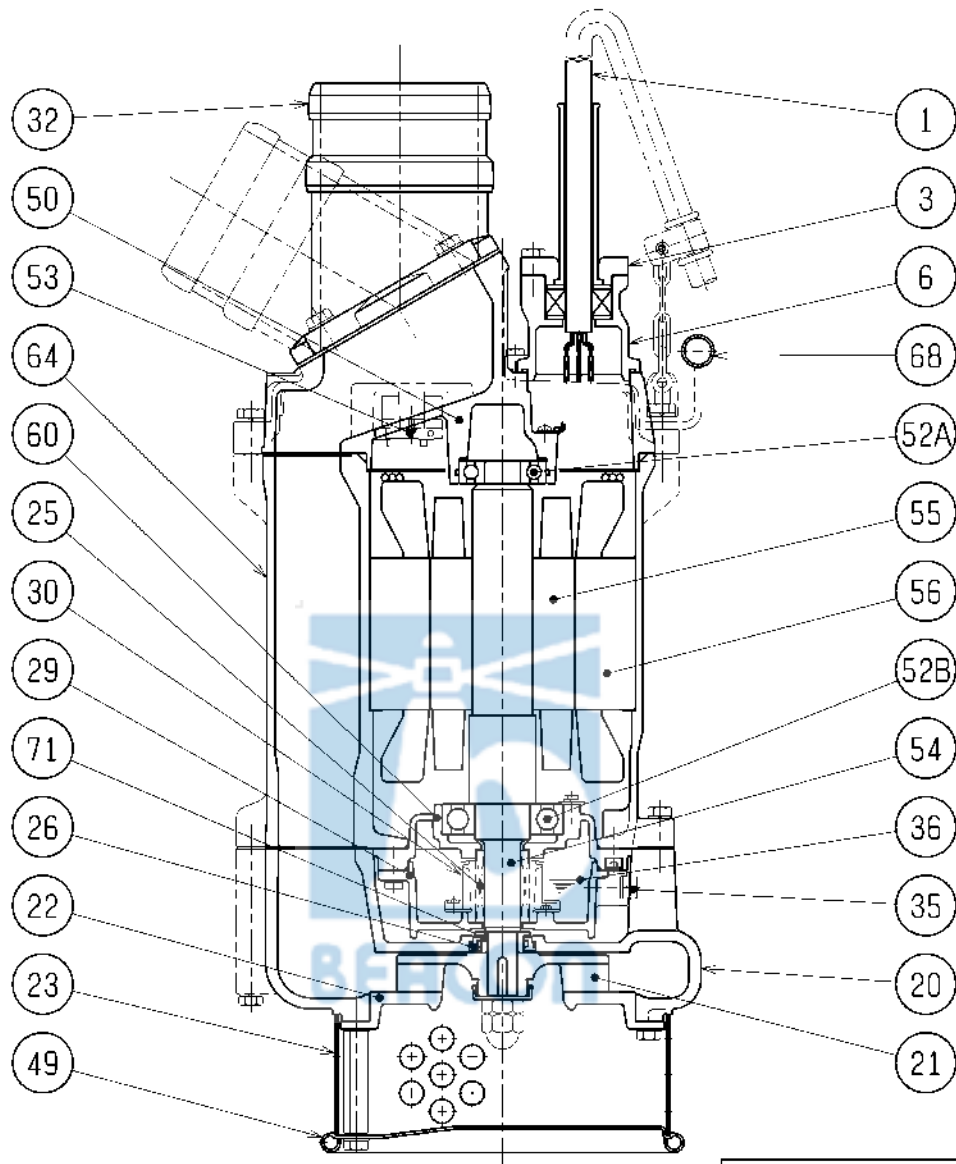
DIMENSION DRAWING		No.	No.
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ411 -53/63
			KTZ611 -53/63



The Figure in () shows
the dimensions of KTZ411.

C. W. L. :Continuous running Water Level

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



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	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)				

NO.

A-21611-1T

PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE GENERAL DEWATERING PUMP

MODEL KTZ611 -53

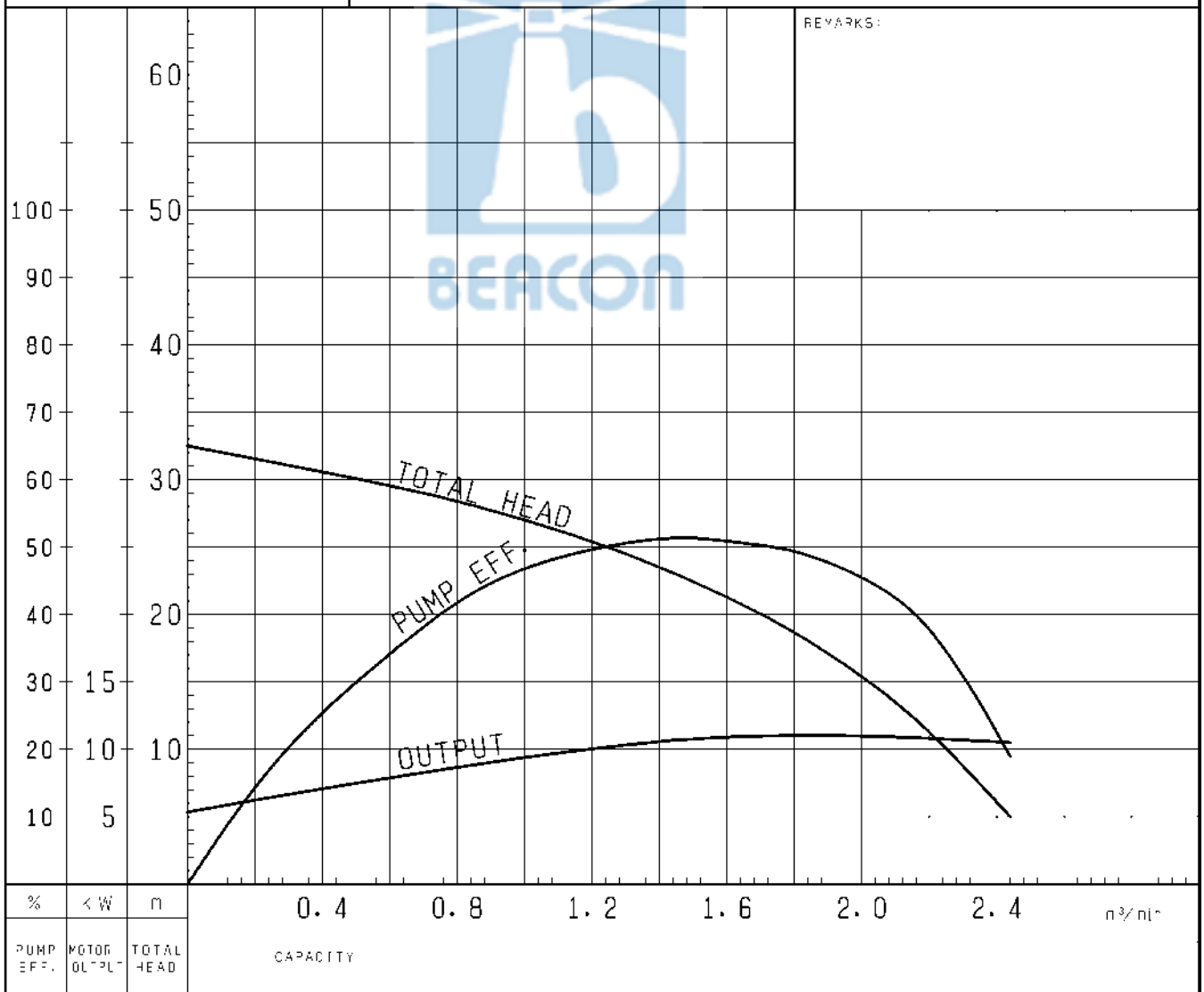
FREQUENCY
50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

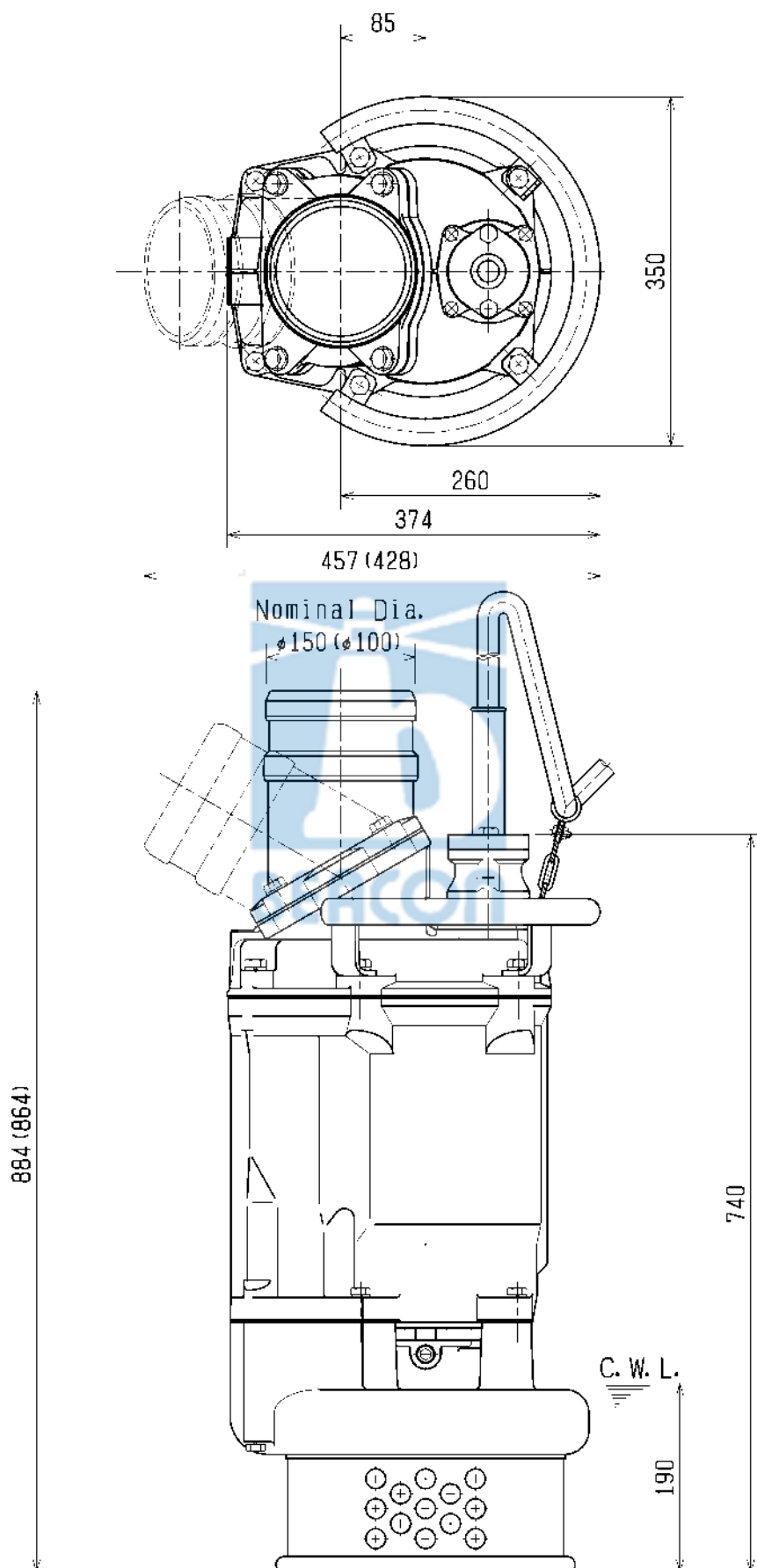
NO.

	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.

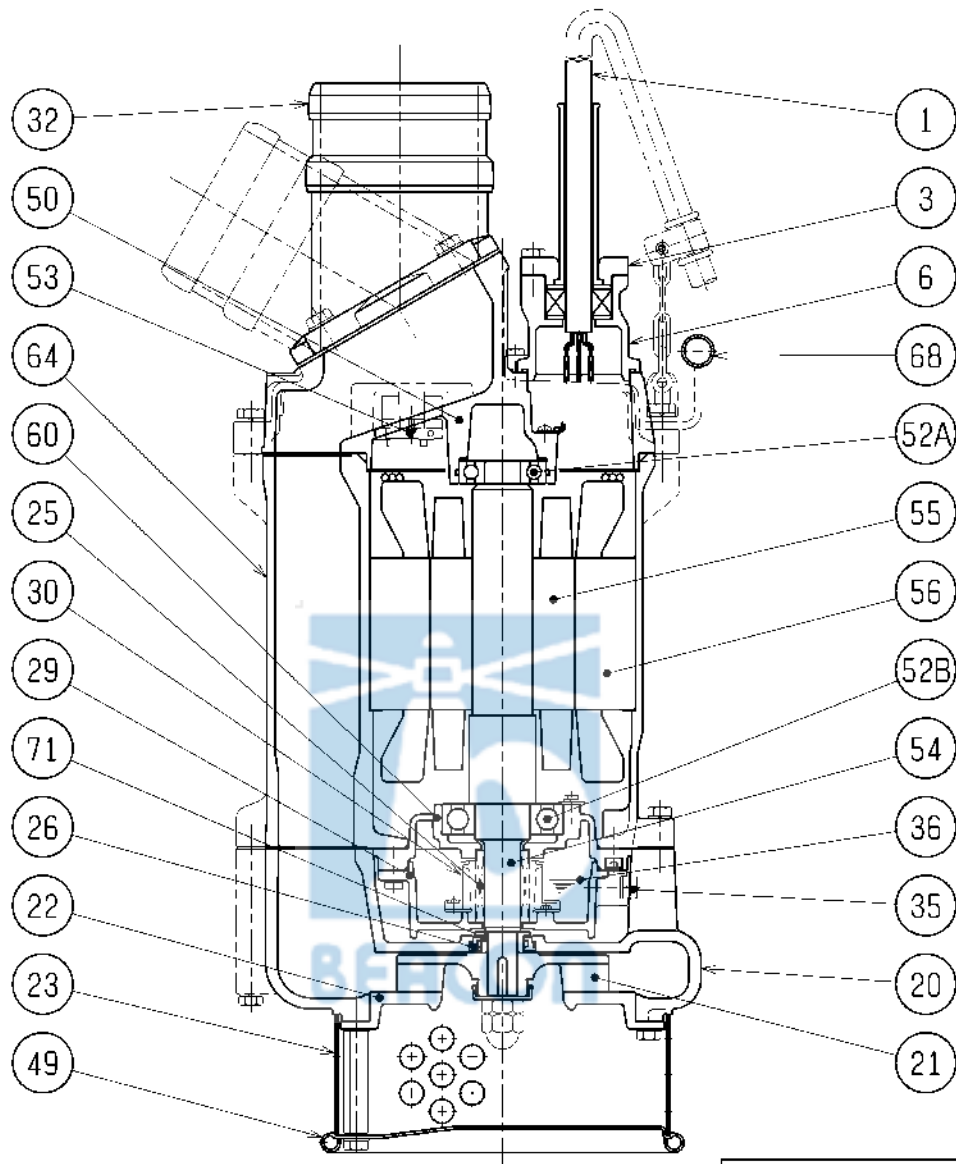
DIMENSION DRAWING		No.		No.	A-21613-1T
TYPE	SUBMERSIBLE GENERAL DEWATERING PUMP	MODEL	KTZ411	-53/63	
			KTZ611	-53/63	



The Figure in () shows
the dimensions of KTZ411.

C.W.L. :Continuous running Water Level

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



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	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)				