

NO. A-22014-1

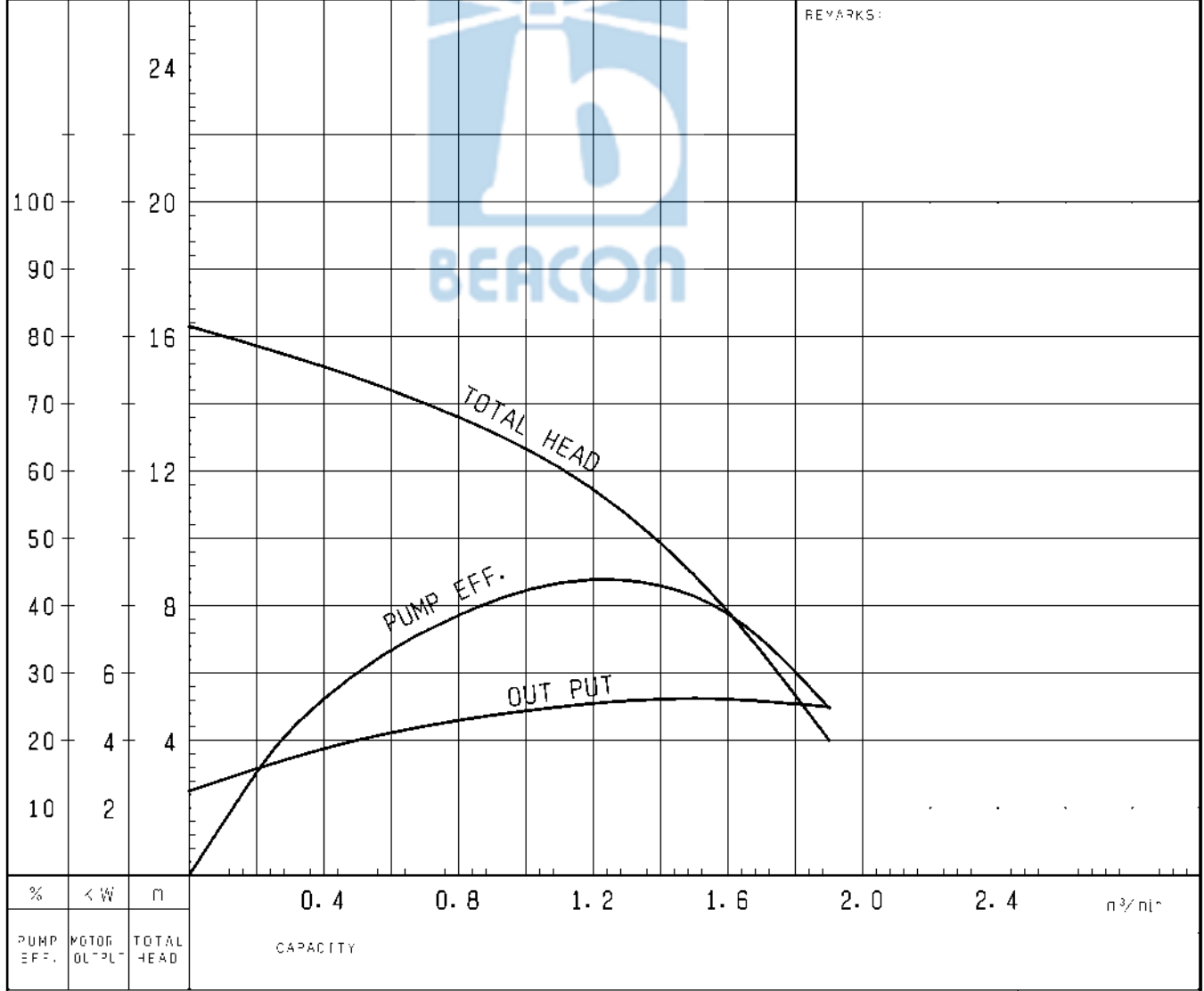
PUMP PERFORMANCE CURVES

TYPE Submersible Slurry Pump	MODEL GPN35.5 -51	FREQUENCY 50 Hz
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CUSTOMER'S NAME _____

EQUIPMENT TITLE _____ NO. _____

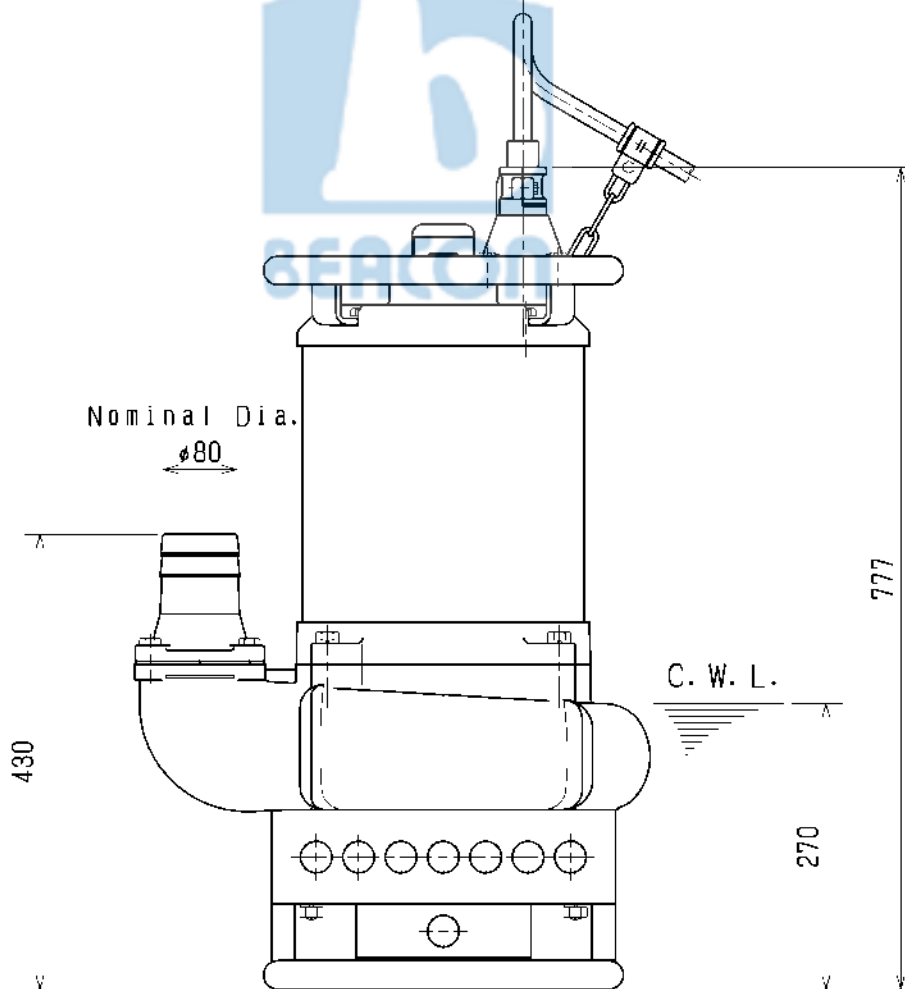
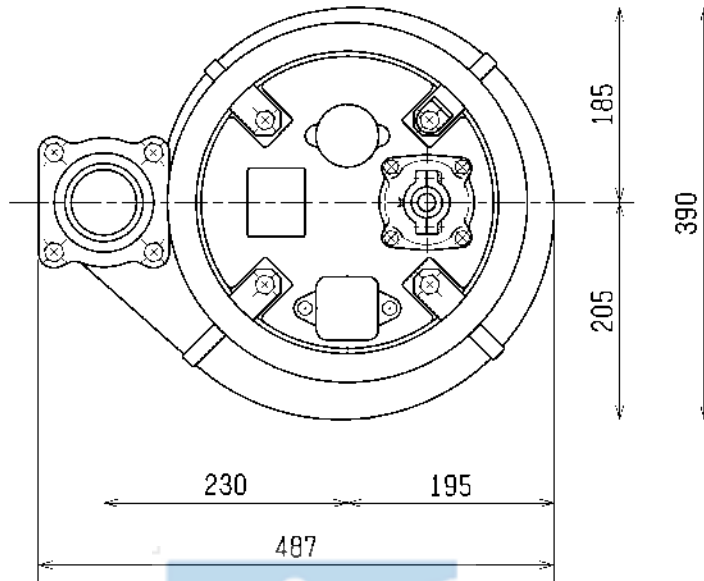
	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	80 mm	mm
TOTAL HEAD	MAX. 16.3 m	m
CAPACITY	MAX. 1.9 m ³ /min	m ³ /min
MOTOR OUTPUT	5.5 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	4 P / S. S. 1500 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	E	



TSURUMI MFG. CO., LTD.

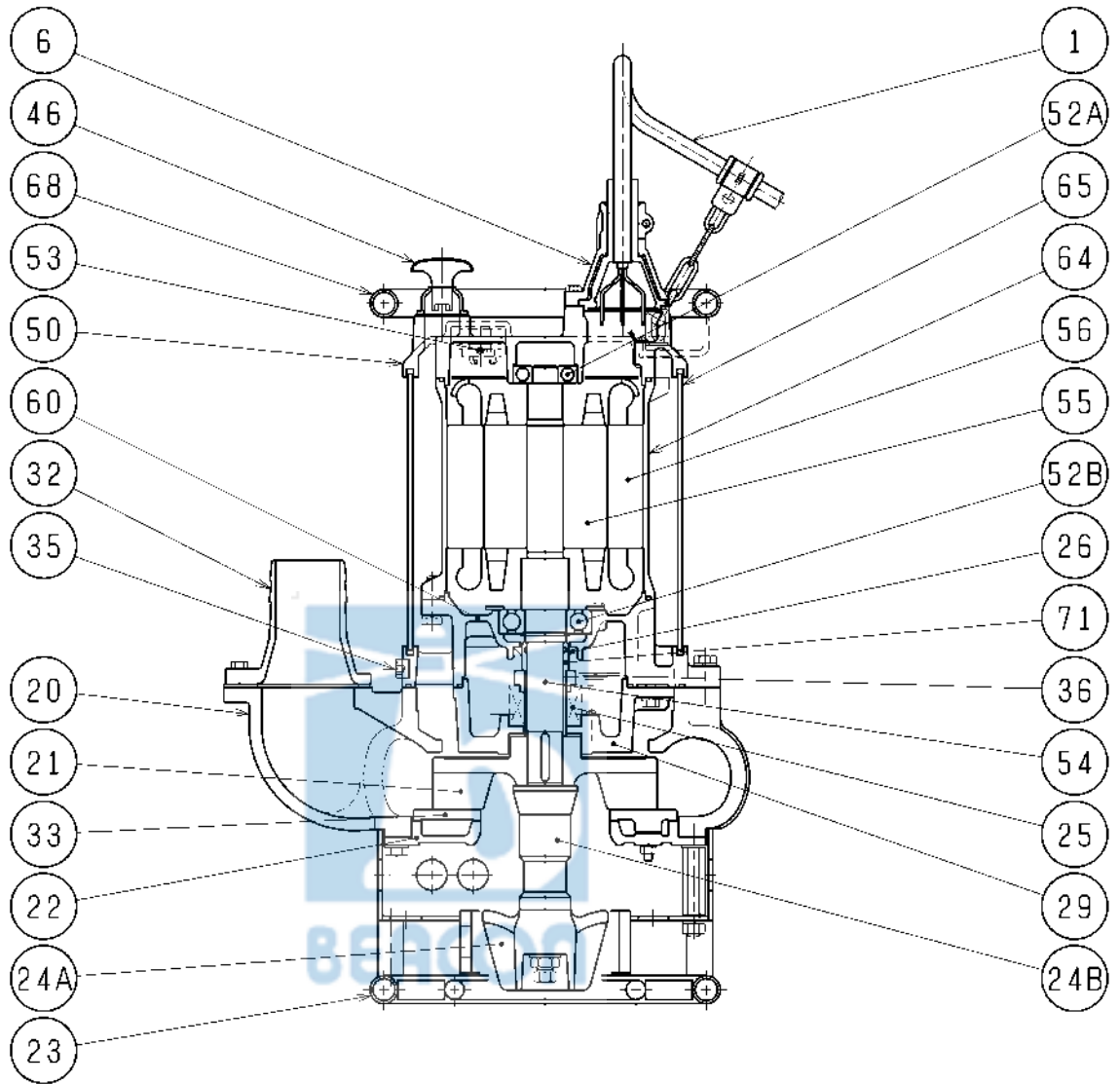
DIMENSION DRAWING		No.	No.	A-22018-1
TYPE	Submersible Slurry Pump	MODEL	GPN35.5 -51/61	

Approximate Weight (※)
145kg
※excluding cable



C.W.L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No. A-22020-1
TYPE	Submersible Slurry Pump	MODEL	GPN35.5 -51/61



REQ. SPECIFICATION	

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	46	Air Release Valve	1	Steel Sheet
6	Stuffing Box	1	Gray Iron Casting	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6305ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6308ZZC3
22	Suction Cover	1	Gray Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet & Carbon Steel Pipe	54	Shaft	1	Chromium Molybdenum Steel
24A	Agitator	1	Chromium Iron Casting	55	Rotor	1	
24B	Connecting Rod	1	Malleable Iron Casting(Quenching)	56	Stator	1	
25	Mechanical Seal	1	NH-40	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC45629	64	Motor Frame	1	Gray Iron Casting
29	Oil Casing	1	Gray Iron Casting	65	Outer Cover	1	Structure Steel
32	Hose Coupling	1	Gray Iron Casting	68	Handle	1	Steel Sheet & Carbon Steel Pipe
33	Suction Plate	1	Chromium Iron Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil(ISO VG32)				

NO. A-22016-1

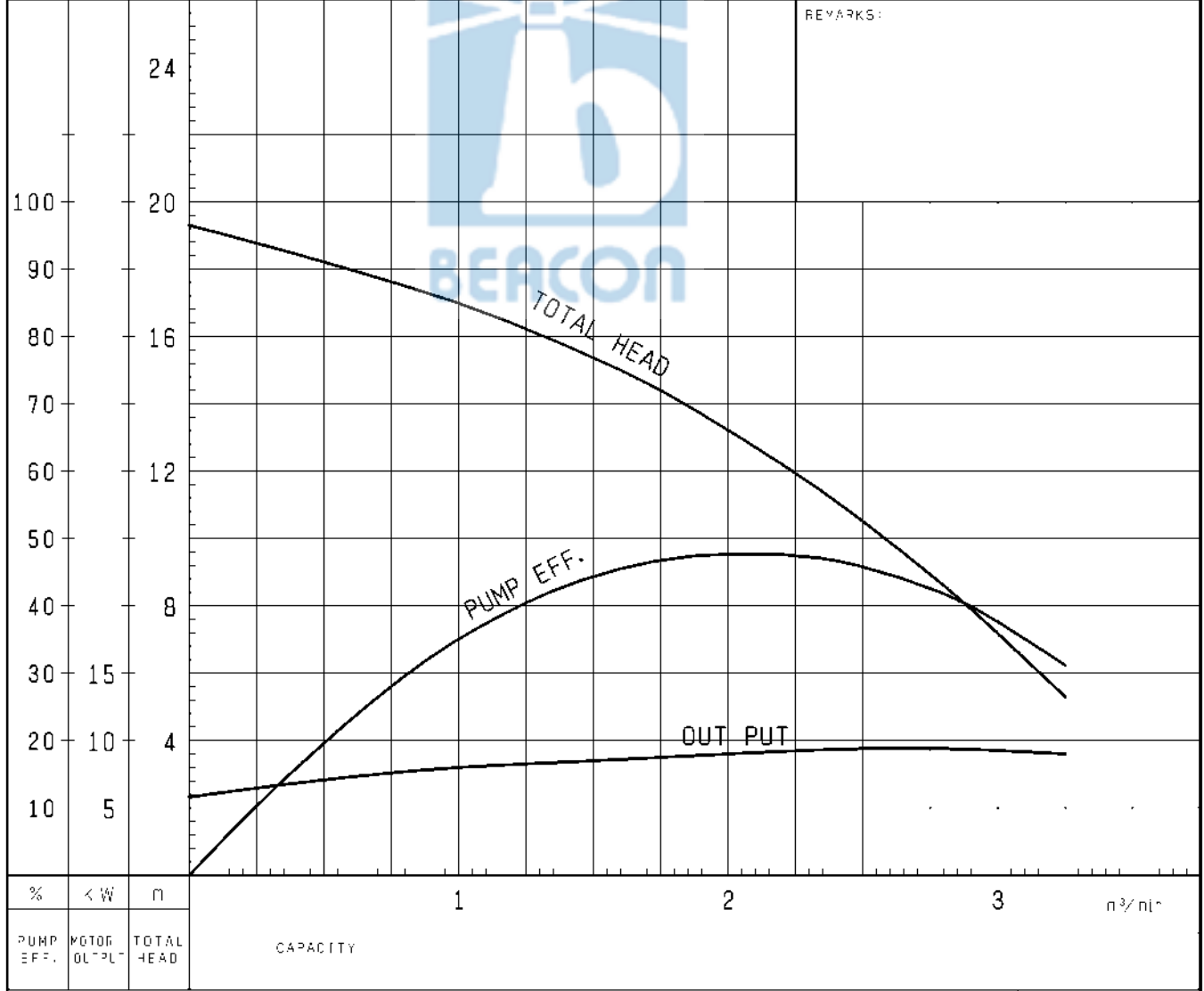
PUMP PERFORMANCE CURVES

TYPE Submersible Slurry Pump	MODEL GPN411 -51	FREQUENCY 50 Hz
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CUSTOMER'S NAME _____

EQUIPMENT TITLE _____ NO. _____

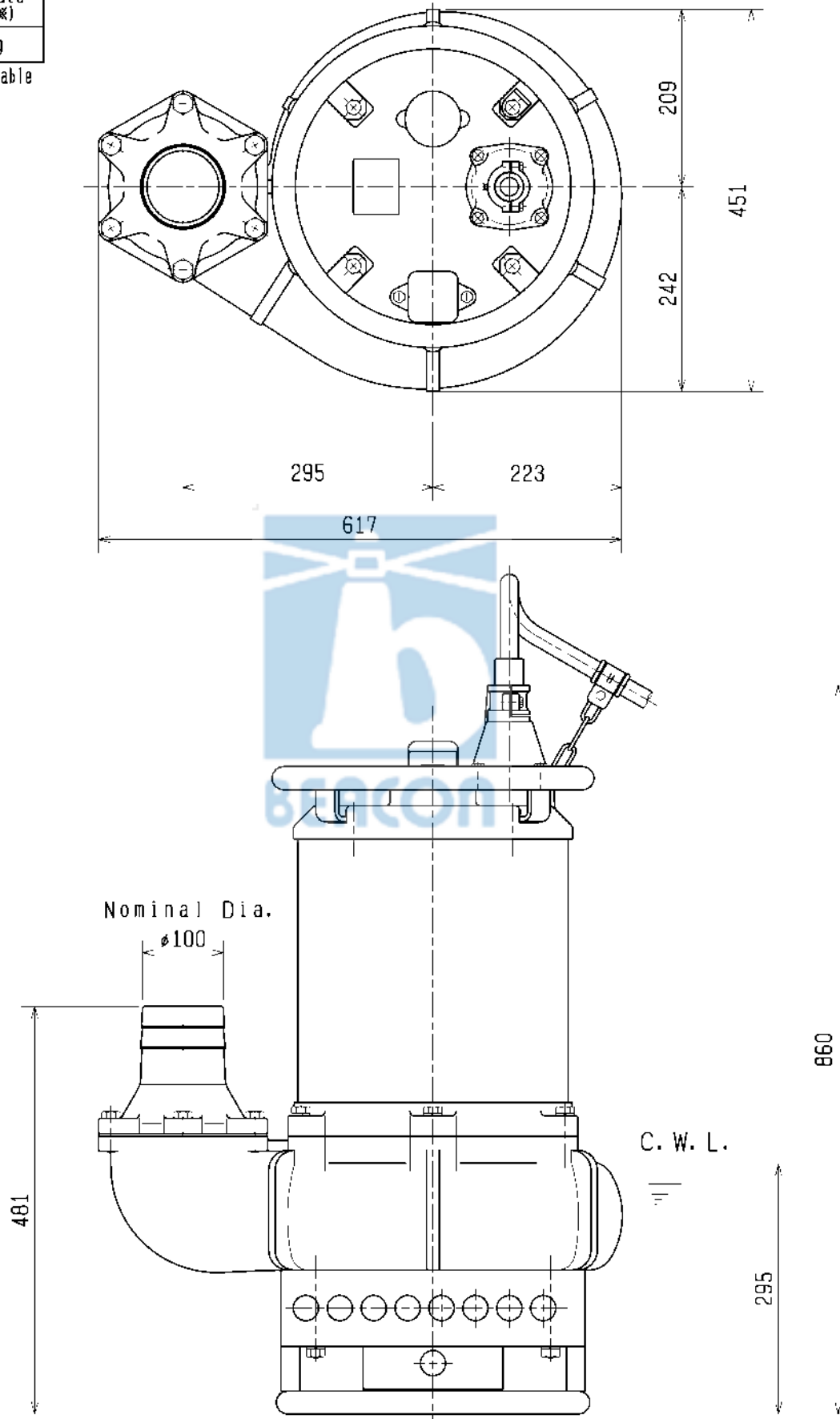
	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	MAX. 19.3 m	m
CAPACITY	MAX. 3.25 m ³ /min	m ³ /min
MOTOR OUTPUT	11 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	4 P / S. S. 1500 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	B	



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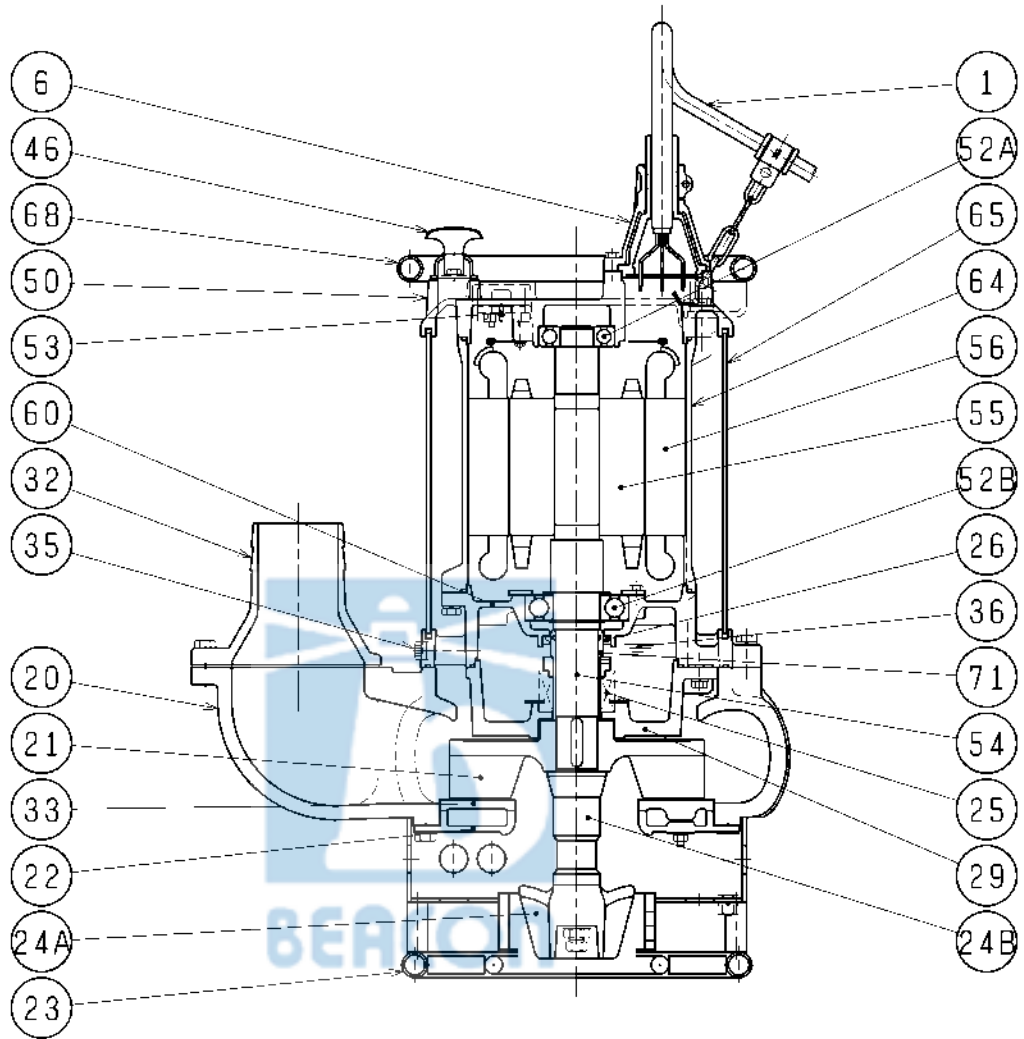
DIMENSION DRAWING		No.	No.	A-22019-1
TYPE	Submersible Slurry Pump	MODEL	GPN411 -51/61	

Approximate Weight (※)
217kg
※excluding cable



C.W.L. :Continuous running Water Level

SECTIONAL DRAWING		No.	No. A-22021-1
TYPE	Submersible Slurry Pump	MODEL	GPN411 -51/61



REQ. SPECIFICATION	

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath	46	Air Release Valve	1	Steel Sheet
6	Stuffing Box	1	Gray Iron Casting	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6307ZZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6310ZZC3
22	Suction Cover	1	Gray Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Steel Sheet & Carbon Steel Pipe	54	Shaft	1	Chromium Molybdenum Steel
24A	Agitator	1	Chromium Iron Casting	55	Rotor	1	
24B	Connecting Rod	1	Malleable Iron Casting(Quenching)	56	Stator	1	
25	Mechanical Seal	1	NH-50	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC55729	64	Motor Frame	1	Gray Iron Casting
29	Oil Casing	1	Gray Iron Casting	65	Outer Cover	1	Structure Steel
32	Hose Coupling	1	Gray Iron Casting	68	Handle	1	Steel Sheet & Carbon Steel Pipe
33	Suction Plate	1	Chromium Iron Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil(ISO VG32)				

NO. J4-40819-1

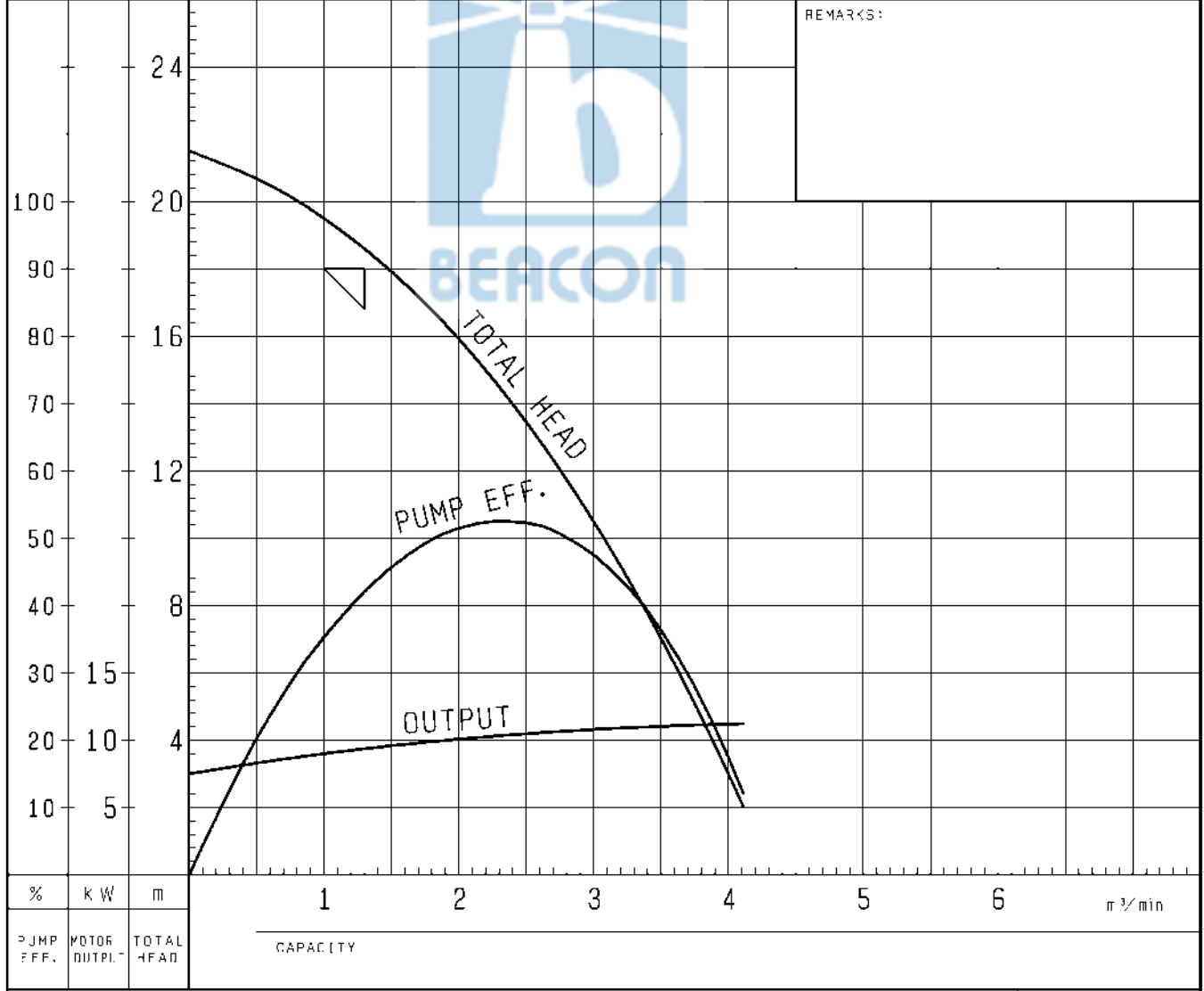
PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE PUMP	MODEL GPN415-51	FREQUENCY 50 Hz
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CUSTOMER'S NAME _____

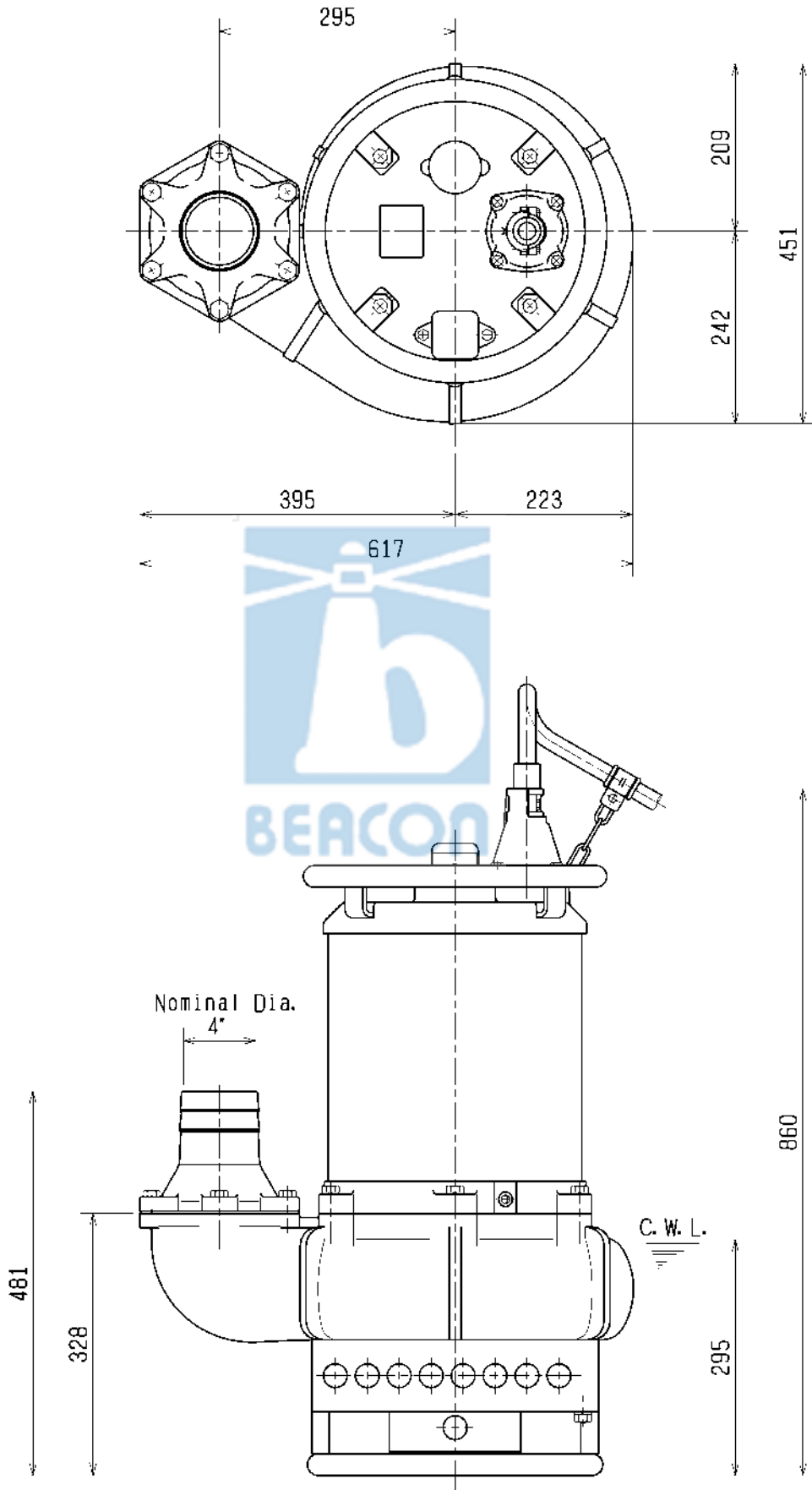
EQUIPMENT TITLE _____ NO. _____

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	100 mm	mm
TOTAL HEAD	18.0 m	m
CAPACITY	1.3 m ³ /min	m ³ /min
MOTOR OUTPUT	15 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	4 P / s. s. 1500 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	B	



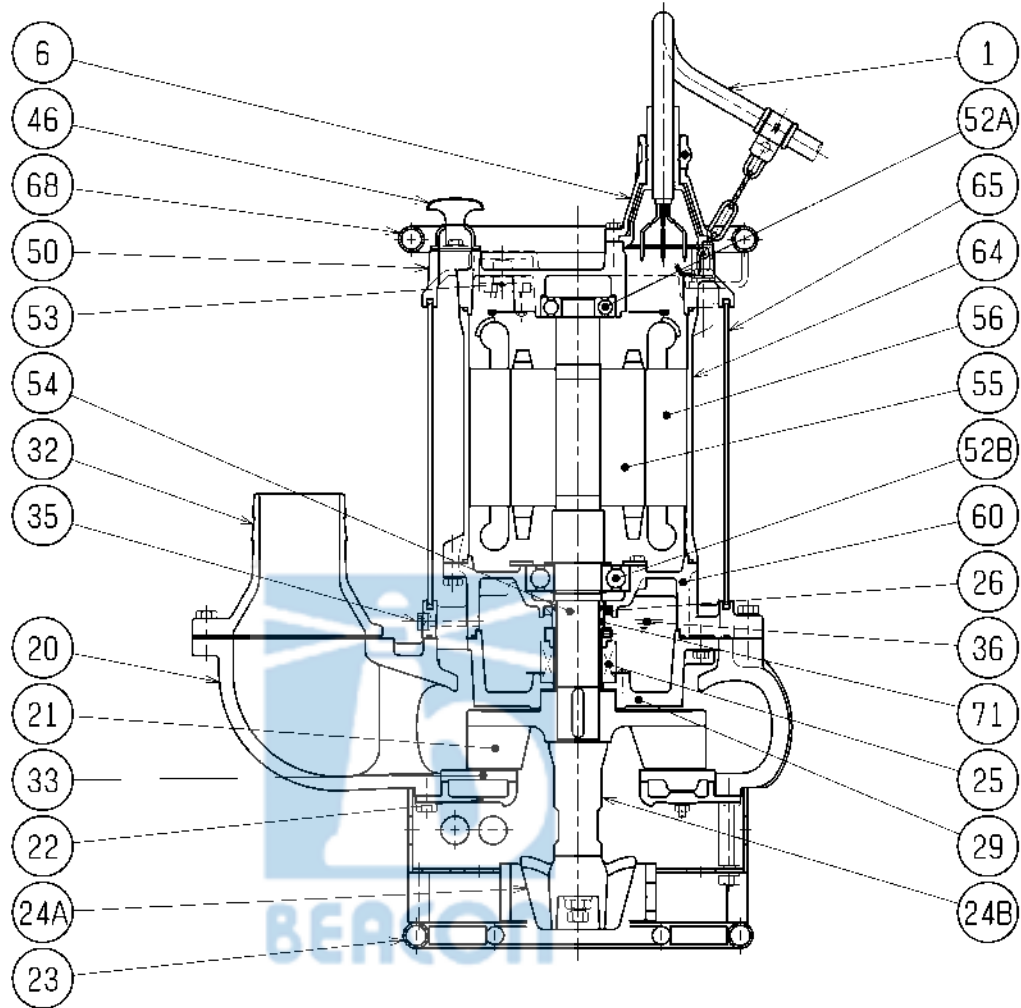
TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No. J4-40823-1
TYPE	SUBMERSIBLE PUMP	MODEL	GPN415-51/61



C.W.L. :Continuous Running Water Level

SECTIONAL DRAWING		No.	No. J4-40824-1
TYPE	SUBMERSIBLE PUMP	MODEL	GPN415-51/61



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath #1	46	Air Release Valve	1	Steel Sheet
6	Stuffing Box	1	Gray Iron Casting	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6307ZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6310ZC3
22	Suction Cover	1	Gray Iron Casting	53	Motor Protector	1	
23	Strainer Stand	1	Carbon Steel Pipe & Steel Sheet	54	Shaft	1	Chromium Molybdenum Steel
24A	Stirrer	1	Chromium Iron Casting	55	Rotor	1	
24B	Connecting Rod	1	Malleable Iron Castings (Quenching)	56	Stator	1	
25	Mechanical Seal	1	NH-50	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC55729	64	Motor Frame	1	Gray Iron Casting
29	Oil Casing	1	Gray Iron Casting	65	Outer Cover	1	Structure Steel
32	Hose Coupling	1	Gray Iron Casting	68	Handle	1	Carbon Steel Pipe
33	Suction Plate	1	Chromium Iron Casting	71	Shaft Sleeve	1	Stainless Steel 304
35	Oil Plug	1	Stainless Steel 304				
36	Lubricant		Turbine Oil (ISO VG32)				

NO. J4-40821-1

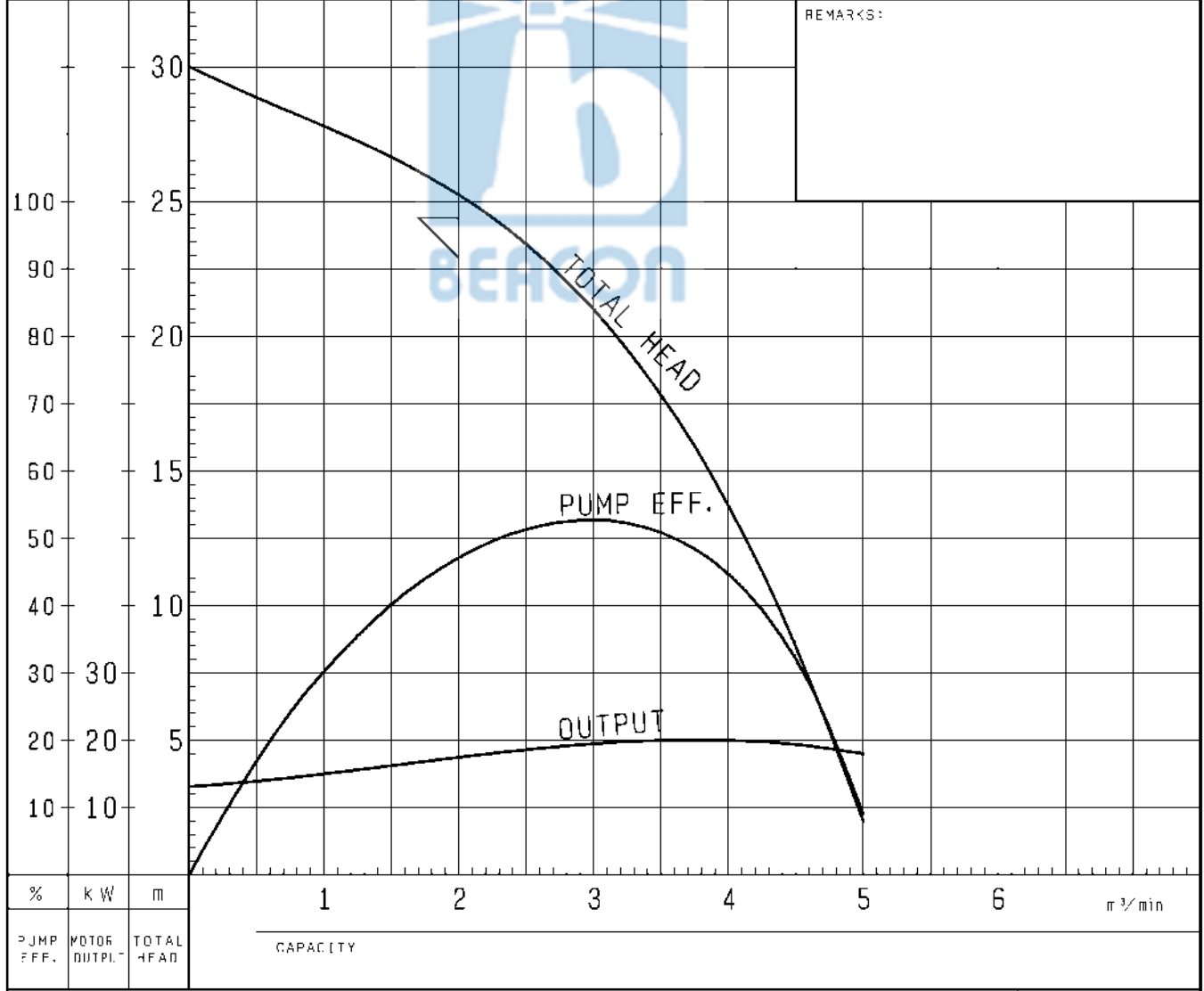
PUMP PERFORMANCE CURVES

TYPE SUBMERSIBLE PUMP	MODEL GPN622-51	FREQUENCY 50 Hz
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CUSTOMER'S NAME _____

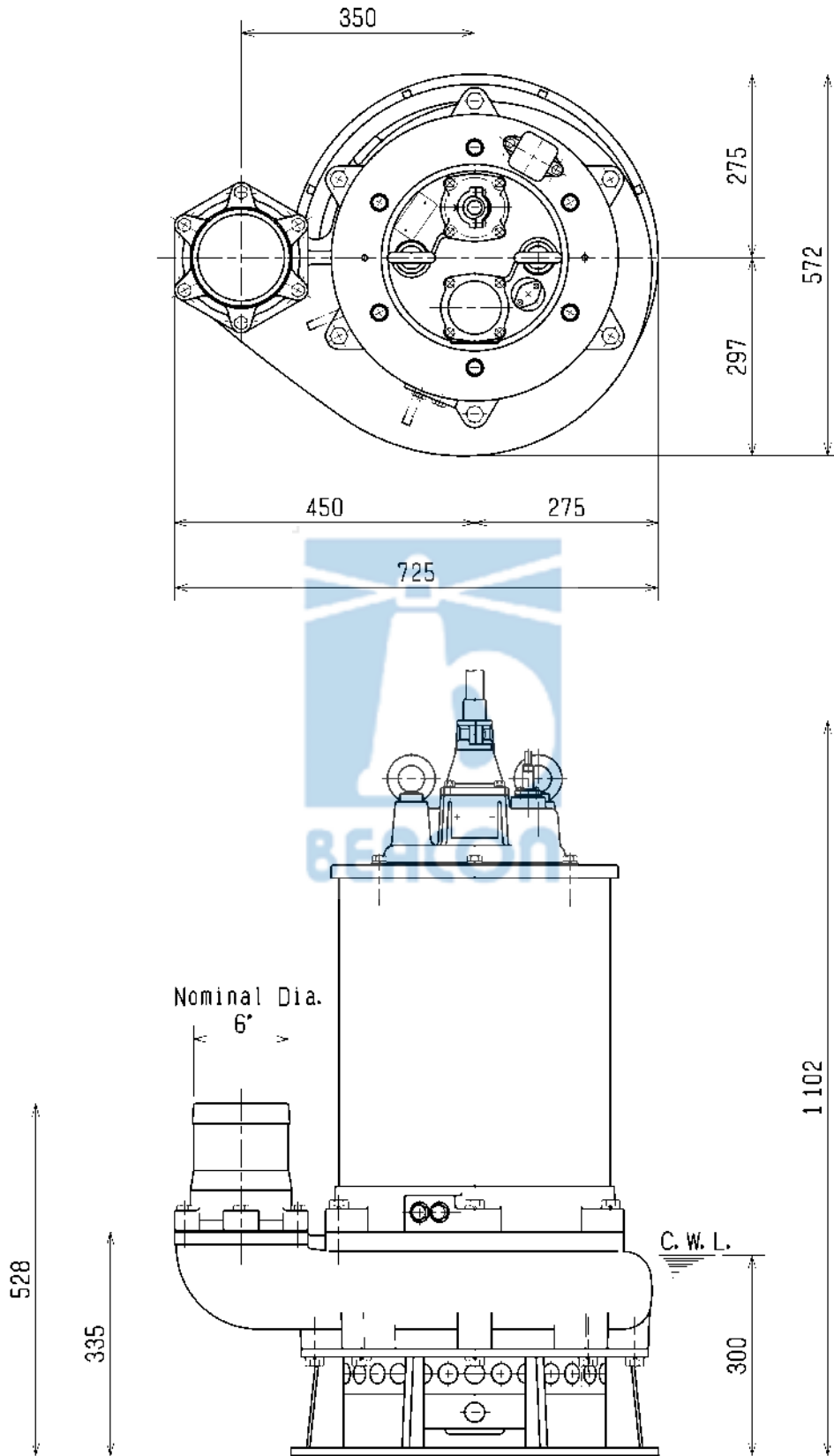
EQUIPMENT TITLE _____ NO. _____

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	150 mm	mm
TOTAL HEAD	24.4 m	m
CAPACITY	2.0 m ³ /min	m ³ /min
MOTOR OUTPUT	22 kW	kW
PHASE × VOLTAGE	3 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	4 P / s. s. 1500 min ⁻¹	P / min ⁻¹
STARTING METHOD	DIRECT ON LINE	
INSULATION CLASS	F	



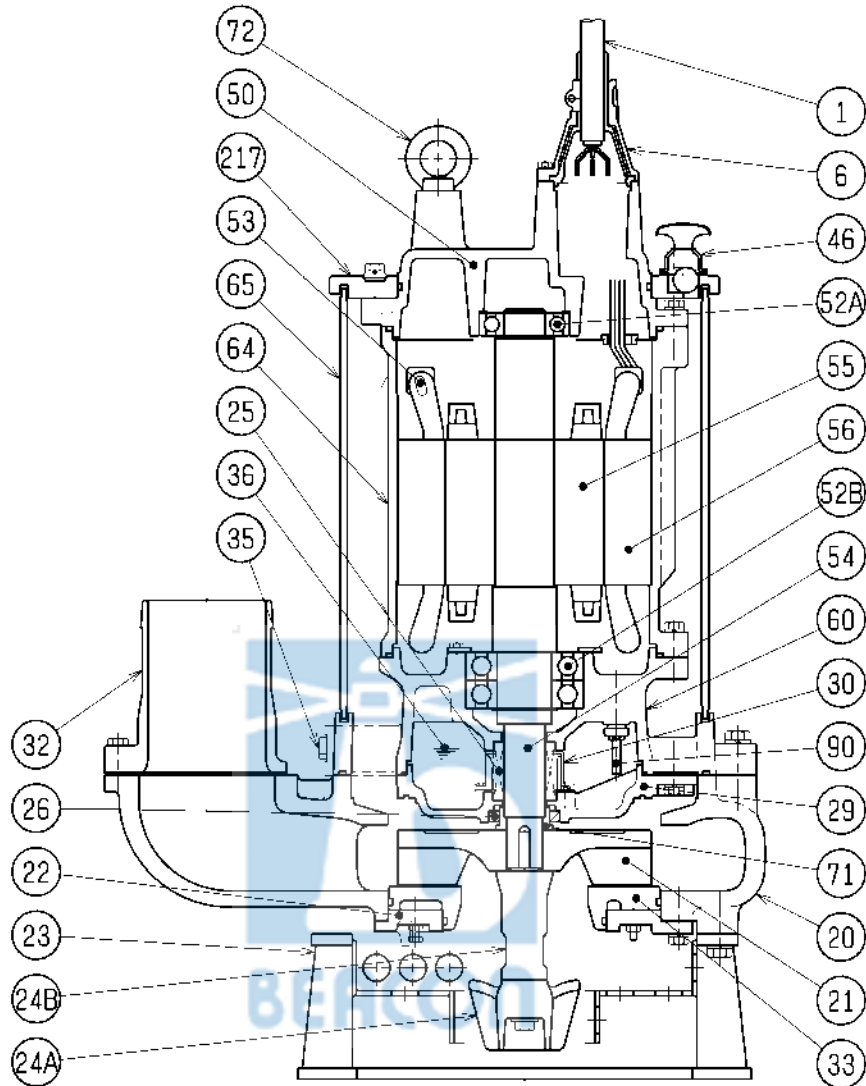
TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No. J4-40825-1
TYPE	SUBMERSIBLE PUMP	MODEL	GPN622-51/61



C. W. L. :Continuous Running Water Level

SECTIONAL DRAWING		No.	No. J4-40826-2
TYPE	SUBMERSIBLE PUMP	MODEL	GPN622-51/61



REQ. SPECIFICATION

No.	DESCRIPTION	QTY	MATERIAL / NOTE	No.	DESCRIPTION	QTY	MATERIAL / NOTE
1	Cable	1	Chloroprene Sheath *	46	Air Release Valve	1	Steel Sheet
6	Stuffing Box	1	Gray Iron Casting	50	Motor Bracket	1	Gray Iron Casting
20	Pump Casing	1	Gray Iron Casting	52A	Upper Bearing	1	6309ZC3
21	Impeller	1	Chromium Iron Casting	52B	Lower Bearing	1	6312ZZD2C3
22	Suction Cover	1	Gray Iron Casting	53	Motor Protector	3	
23	Strainer Stand	1	Carbon Steel Pipe & Structure Steel	54	Shaft	1	Chromium Molybdenum Steel
24A	Stirrer	1	Chromium Iron Casting	55	Rotor	1	
24B	Connecting Rod	1	Malleable Iron Casting(Hardened)	56	Stator	1	
25	Mechanical Seal	1	H-50	60	Bearing Housing	1	Gray Iron Casting
26	Oil Seal	1	TC608212	64	Motor Frame	1	Gray Iron Casting
29	Oil Casing	1	Gray Iron Casting	65	Outer Cover	1	Carbon Steel Pipe
30	Oil Lifter	1	Plastic	71	Shaft Sleeve	1	Stainless Steel 403
32	Hose Coupling	1	Gray Iron Casting	72	Eye Bolt	2	Structure Steel
33	Suction Plate	1	Chromium Iron Casting	90	Leakage Sensor Electrode	1	Stainless Steel
35	Oil Plug	2	Stainless Steel 304	217	Fixing Plate	1	Gray Iron Casting
36	Lubricant		Turbin Oil (ISO VG32)				