

# GD/GDR SERIES

## SUBMERSIBLE PORTABLE DEWATERING PUMPS

**POWER :** 0.5~1HP (0.4~0.75kW)

**MAX.HEAD :** 15m (49feet)

**MAX.FLOW :** 0.33m<sup>3</sup>/min (19.8m<sup>3</sup>/h)



### PRODUCT NOMENCLATURE

Example 1:  $\frac{\text{GD}}{\text{Type}} - \frac{750}{\text{Watt}}$

Example 2:  $\frac{\text{GDR}}{\text{Type}} - \frac{400}{\text{Watt}}$

### FEATURE

#### GD :

- The GD models are designed for the construction industry because they are lightweight, portable, and durable. The motor frame and mechanical seal bracket are made of aluminum alloy - that provides extra water cooling, to the motor, when water flows through. Features an all new design with exchangeable discharges, that are available in vertical and horizontal orientation. They also provide extra adaptability and flexibility to various conditions of installations, such as: confined spaces, 8 inch narrow wells or shallow water.
- The model is equipped with: mechanical seals (silicon carbide), epoxy resin cable, watertight body structure that meets IP68 requirements, an auto-cut motor protector, and a water-cooling motor.
- The impeller and the hydraulic components are made of a special rubber that is durable and capable of handling construction site dewatering.
- The models are available in the manual version and the automatic version - equipped with a built in floating switch to automatically switch the pump on and off.
- The impeller is made with an urethane rubber that provides extra wear-resistance on construction site dewatering.

#### GDR :

- A water cooling motor with rubber suction pads for residual removal as low as 1 mm (0.39"). Start up at water level of 5 mm.
- The best pump for removing water from flat surfaces because of its portability and light weight.
- Equipped with double seals (silicon carbide), epoxy resin cable, IP68, an auto-cut motor protector and rubberized hydraulic components that can withstand any tough applications.
- Standard discharge: Outlet Discharge 1" LOT 1-74 (Optional 2" LOT 2-74)

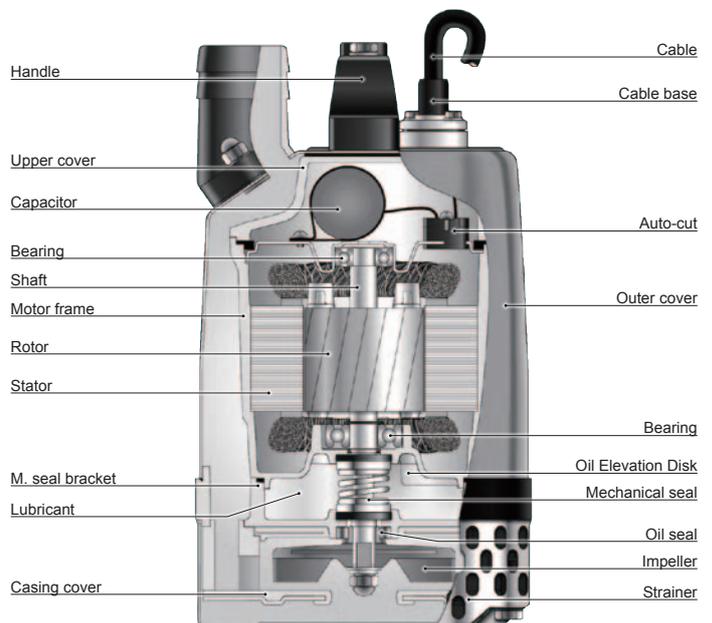
### APPLICATIONS

#### GD :

- Civil engineering, dewatering of tunneling and ground works, and for use in storm water sewers.
- Dewatering of fluids containing solids.
- Ease of mobility for use by contractors, installers and service industries.

#### GDR :

- Basement / Pool / Pond water removal.
- Residential, Commercial residue dewatering.



# GD/GDR SERIES SUBMERSIBLE PORTABLE DEWATERING PUMPS

## GD-400 · GD-750 · GDR-400

### SPECIFICATIONS

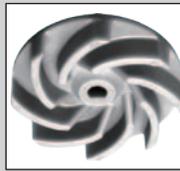
Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class B
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	ADC12
	Motor Frame	ADC12
	Shaft	SUS410
	M.seal	CA/CE & SiC/SiC
	Casing	Synthetic Rubber
	Impeller	Urethane Rubber + SPCC
	Strainer	SUS304
	Cable	VCT or H07RN-F or SJOW
	Optional	GDR-400 2"



GD-400 · GD-750



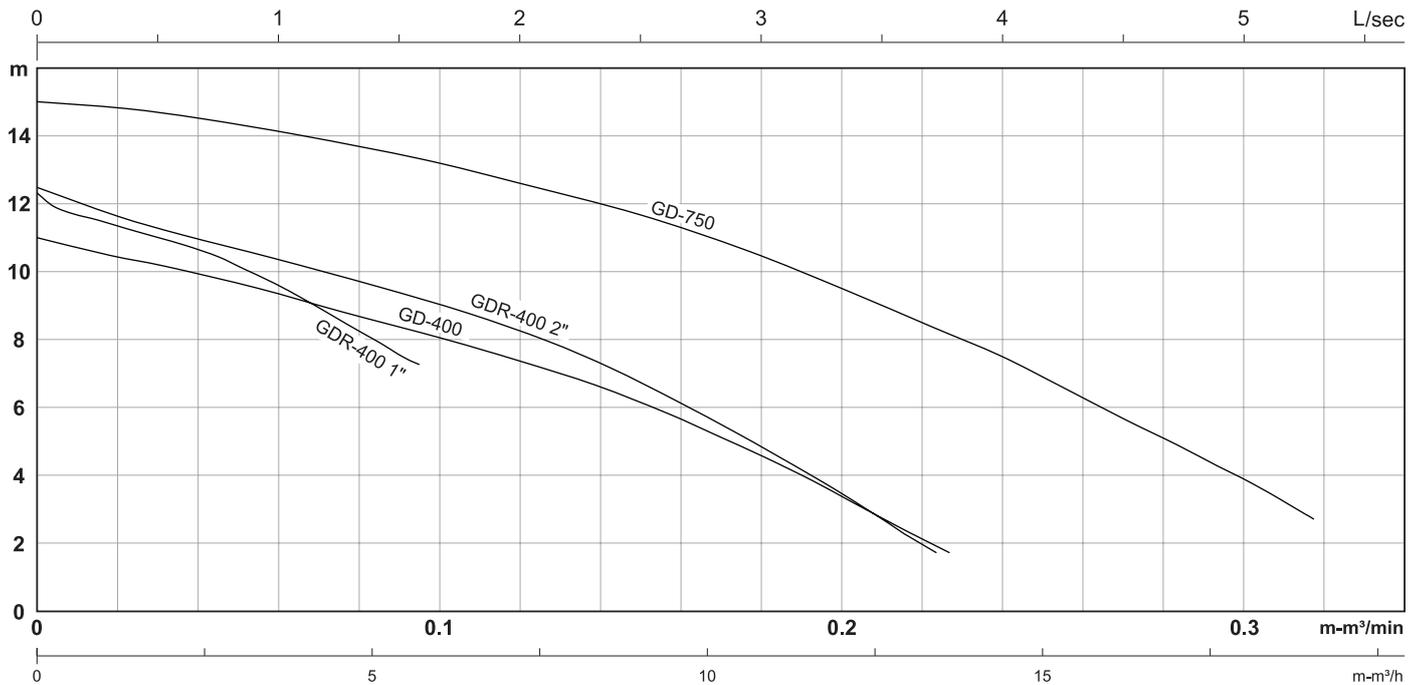
GDR-400



Vortex Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	Full load Ampere						
			m-m <sup>3</sup> /min	m-m <sup>3</sup> /h	m-m <sup>3</sup> /min	m-m <sup>3</sup> /h		1Ø-kg(lbs)	3Ø-kg(lbs)		1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	
GD-400	0.5(0.4)	2"(50)	8.0-0.1	8.0-6.0	11.0-0.24	11.0-14.4	7(1/4")	10.5(23)	-	Full load Ampere	220V	230V	220V	380V	400V	415V	525V
GD-750	1(0.75)	2"(50)	11.0-0.16	11.0-9.6	15.0-0.33	15.0-19.8	7(1/4")	12.6(28)	-		220V	230V	220V	380V	400V	415V	525V
GDR-400	0.5(0.4)	1"(25)	9.5-0.06	9.5-3.6	12.5-0.1	12.5-6.0	-	11.8(26)	-		220V	230V	220V	380V	400V	415V	525V
		2"(50)	8.0-0.12	8.0-7.2	12.5-0.24	12.5-14.4	-	11.8(26)	-		220V	230V	220V	380V	400V	415V	525V

### PERFORMANCE CURVES



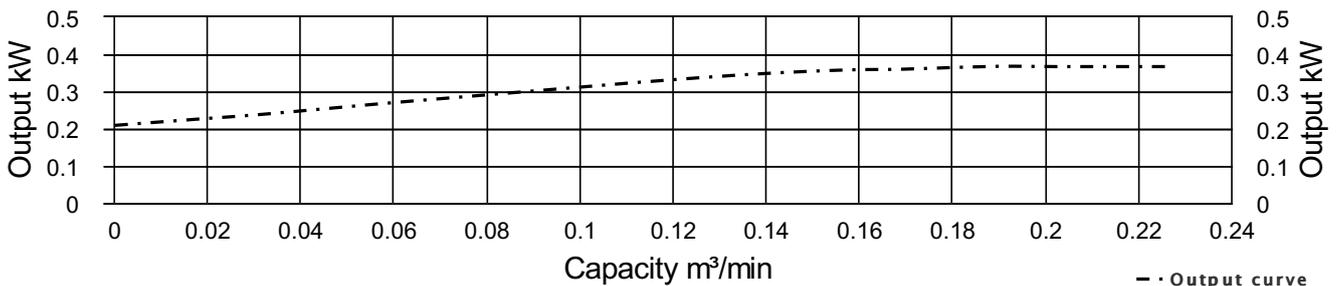
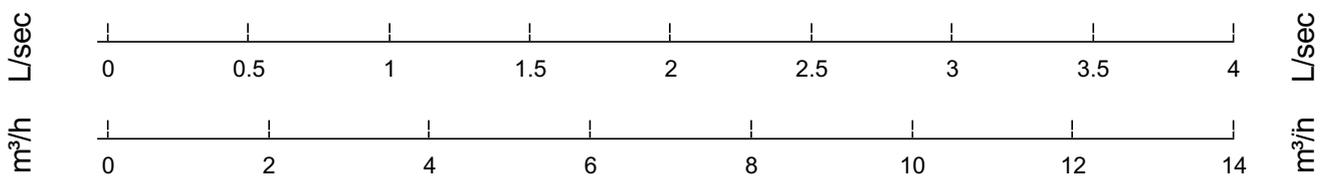
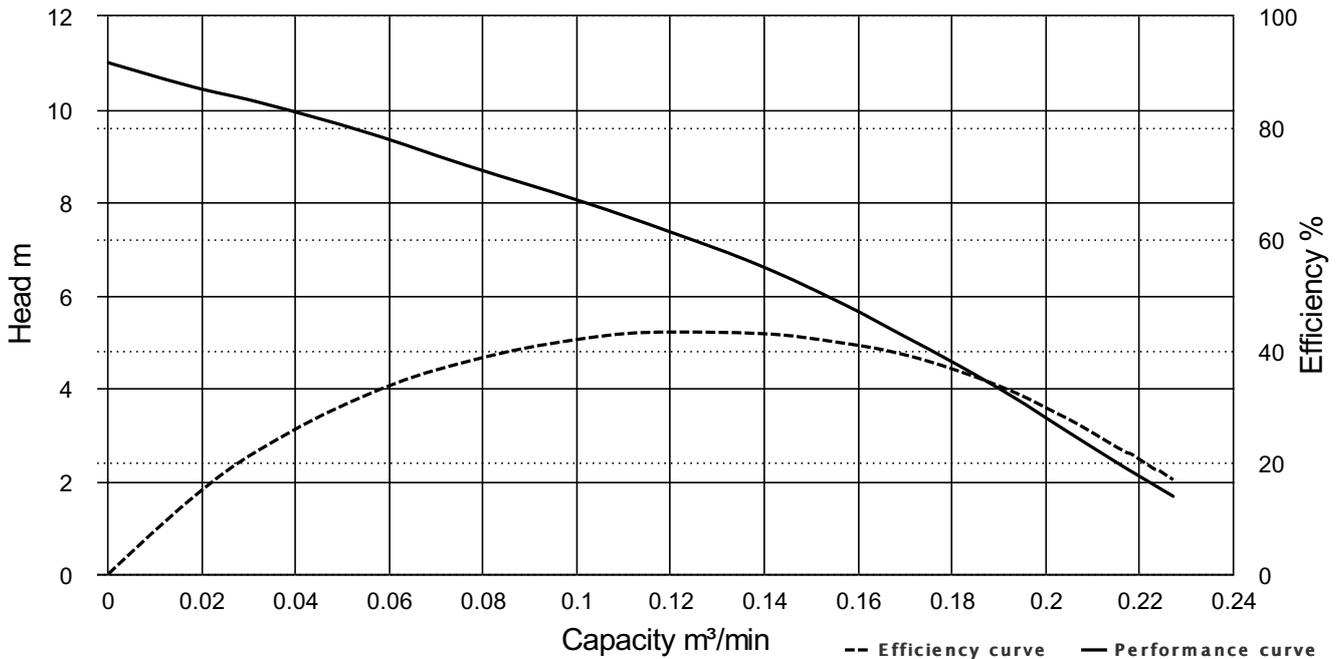
Model	Power HP(kW)	Discharge inch(mm)	Q:m <sup>3</sup> /min									Q:L/sec	H:m												
			0.02	0.04	0.06	0.08	0.1	0.2	0.3	0.5	1		1.5	2	3	4	5								
GD-400	0.5(0.4)	2"(50)	10.4	9.8	9.4	8.6	8.0	3.2	-	H:m	10.2	9.2	8.3	7.4	4.4	-	-								
GD-750	1(0.75)	2"(50)	15.0	14.5	14.0	13.5	12.9	9.6	3.9									14.7	14.0	13.2	12.3	10.6	7.3	3.9	
GDR-400	0.5(0.4)	1"(25)	11.3	10.6	9.5	8.2	-	-	-									11.0	9.5	7.6	-	-	-	-	-
		2"(50)	11.5	10.8	10.2	9.6	9.0	3.4	-									11.3	10.3	9.7	8.3	4.8	-	-	-



# HCP PUMP

## PUMP PERFORMANCE CURVES

Model	GD-400				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	0.5 HP / 0.4 kW						
Std. Head	8 m						
Std. Capacity	0.1 m <sup>3</sup> /min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	6.2 A	3.1 A	3 A	2.9 A			
Pole / rpm	2 P / 2780 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



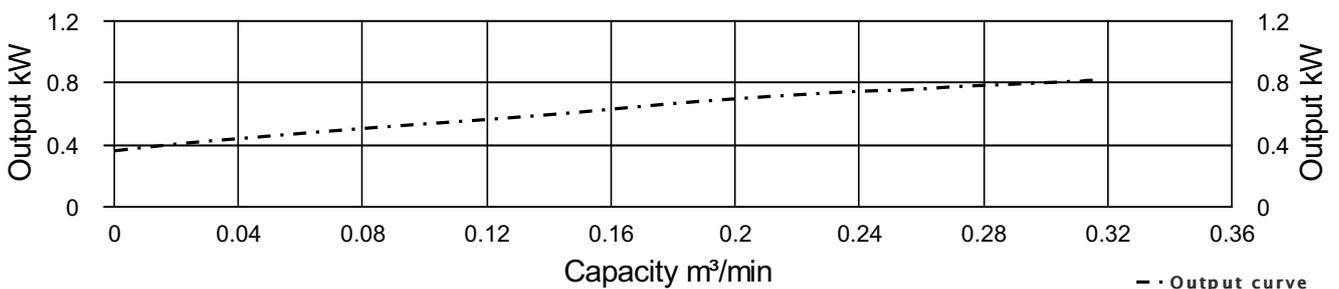
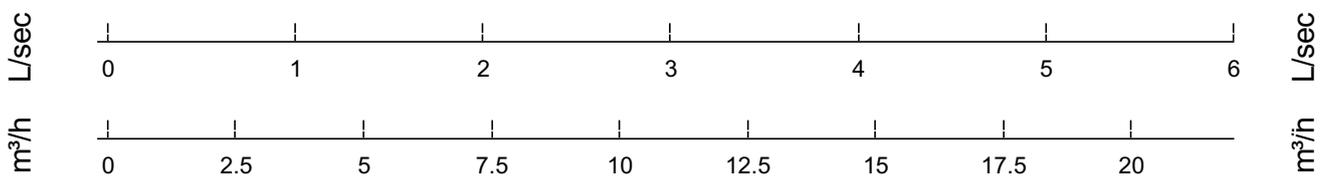
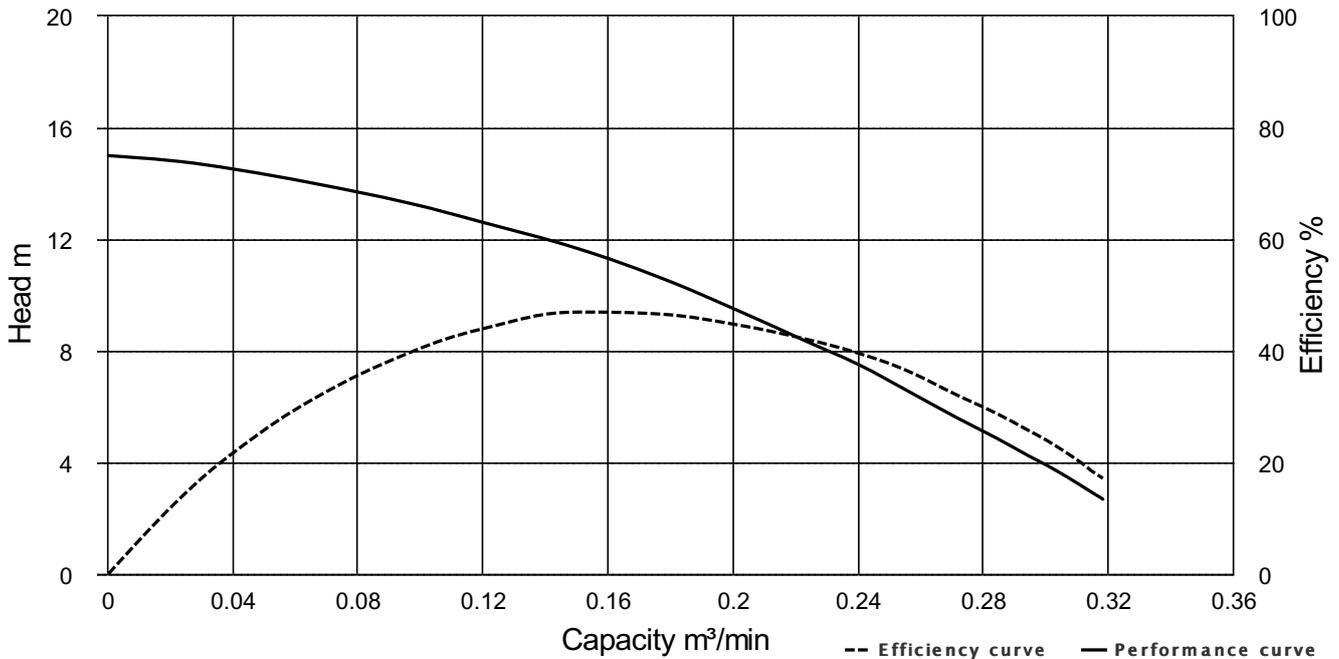
HCP PUMP MANUFACTURER CO., LTD.



# HCP PUMP

## PUMP PERFORMANCE CURVES

<b>Model</b>	GD-750				<b>Ver NO.</b>	BA0407	
<b>Frequency / Phase</b>	50 Hz / 1 Ø				<b>REFERENCE SPECIFICATION</b>		
<b>Discharge</b>	2" / 50 mm						
<b>Power</b>	1 HP / 0.75 kW						
<b>Std. Head</b>	11 m						
<b>Std. Capacity</b>	0.16 m <sup>3</sup> /min						
<b>Volt</b>	110 V	220 V	230 V	240 V			
<b>Rated Current</b>	10.4 A	5.2 A	5 A	4.8 A			
<b>Pole / rpm</b>	2 P / 2780 rpm						
<b>Start Method</b>	CAPACITOR						
<b>Insulation Class</b>	B						



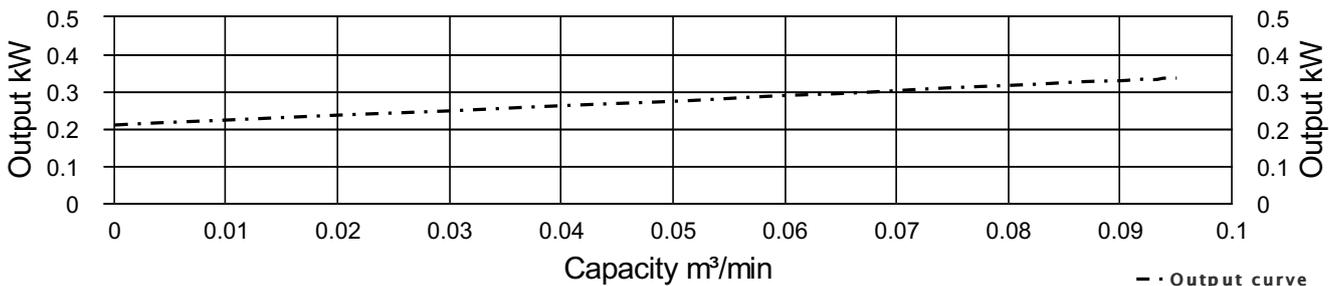
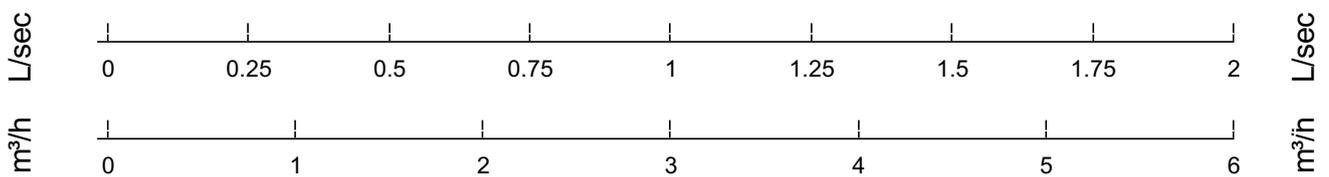
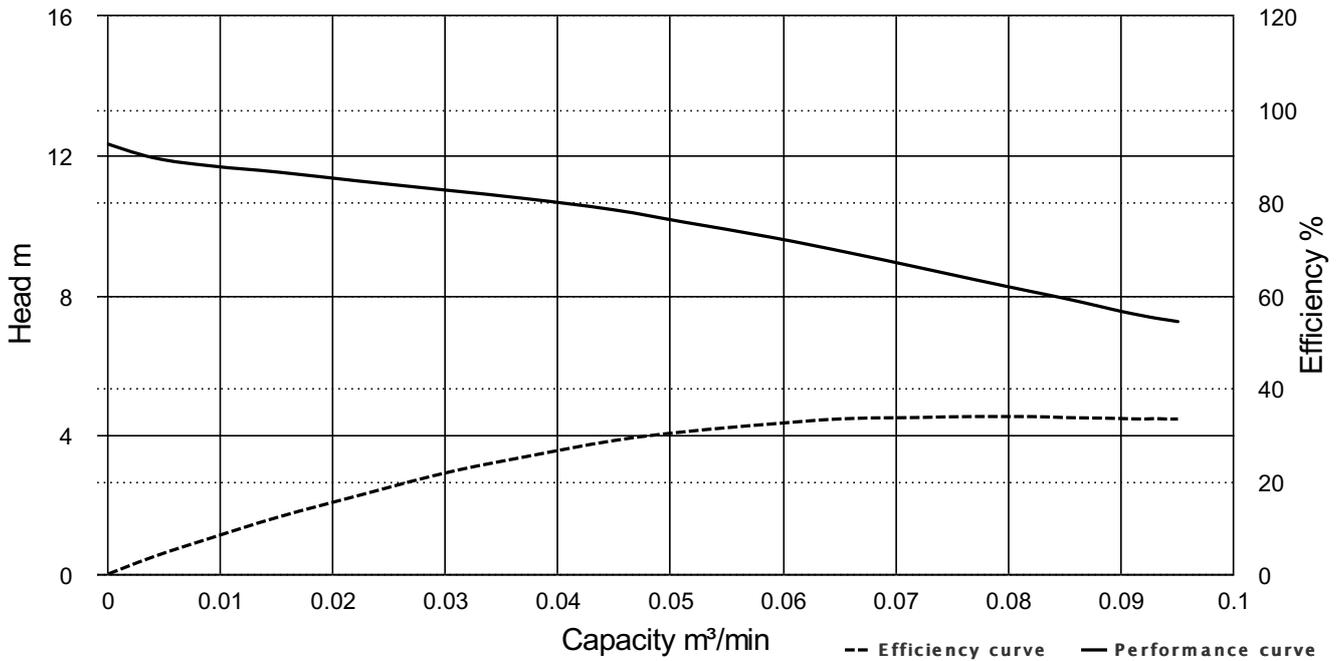
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# HCP PUMP

## PUMP PERFORMANCE CURVES

<b>Model</b>	GDR-400				<b>Ver NO.</b>	BA0407	
<b>Frequency / Phase</b>	50 Hz / 1 Ø				<b>REFERENCE SPECIFICATION</b>		
<b>Discharge</b>	1" / 25 mm						
<b>Power</b>	0.5 HP / 0.4 kW						
<b>Std. Head</b>	9.5 m						
<b>Std. Capacity</b>	0.06 m <sup>3</sup> /min						
<b>Volt</b>	110 V	220 V	230 V	240 V			
<b>Rated Current</b>	6.2 A	3.1 A	3 A	2.9 A			
<b>Pole / rpm</b>	2 P / 2780 rpm						
<b>Start Method</b>	CAPACITOR						
<b>Insulation Class</b>	B						



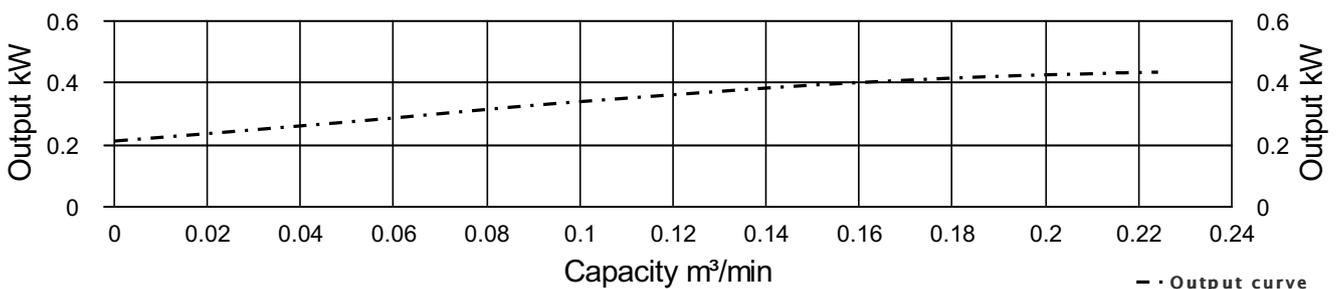
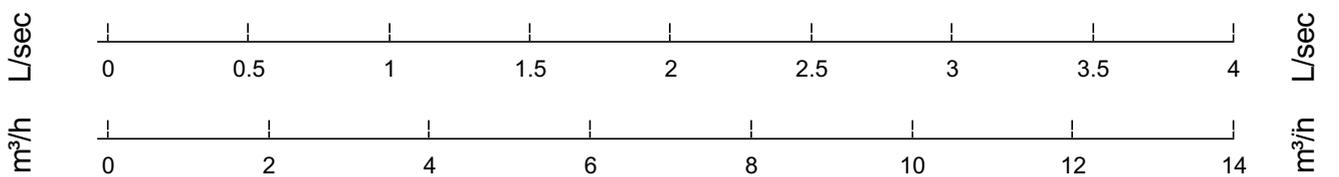
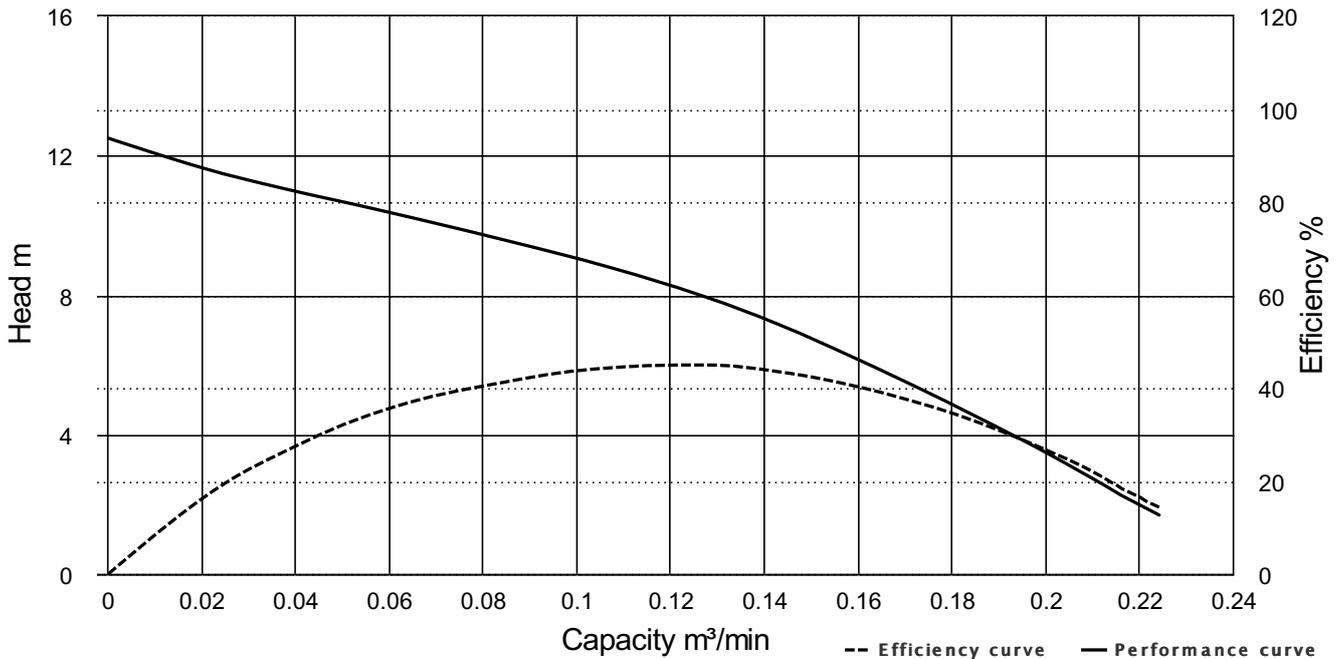
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# HCP PUMP

## PUMP PERFORMANCE CURVES

Model	GDR-400				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	0.5 HP / 0.4 kW						
Std. Head	8 m						
Std. Capacity	0.12 m <sup>3</sup> /min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	6.2 A	3.1 A	3 A	2.9 A			
Pole / rpm	2 P / 2780 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



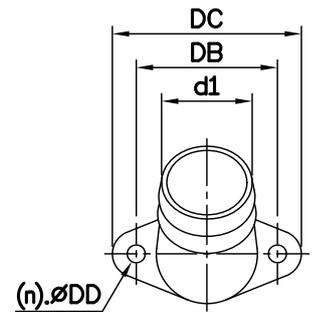
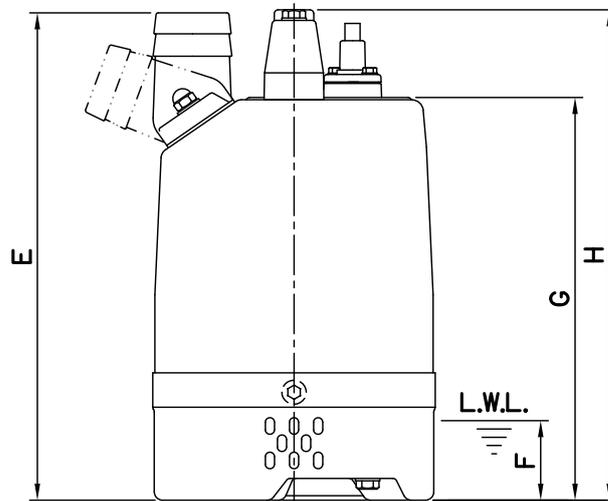
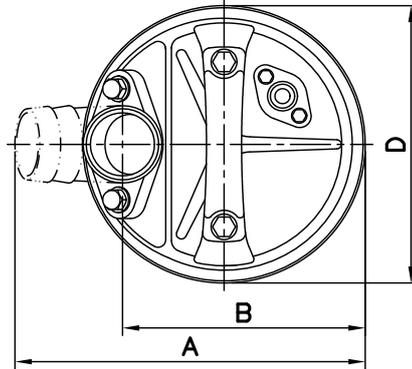
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## DIMENSIONS

NO: S2GD0208012-00

MODEL: GD-400 / 750

1Ø



Dimensions-mm

Weight:kg

Model	A	B	D	E	F	G	H	WT1	Outlet	d1	DB	DC	DD	(n)QTY
GD-400	230	159	185	303	50	247	305	10.5	LOH2-74	50	74	99	9	2
GD-750	230	159	185	325	50	269	327	12.6	LOH2-74	50	74	99	9	2

Dimensions-inch

Weight:lb

Model	A	B	D	E	F	G	H	WT1	Outlet	d1	DB	DC	DD	(n)QTY
GD-400	9 <sup>1</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>	7 <sup>5</sup> / <sub>16</sub>	11 <sup>15</sup> / <sub>16</sub>	2	9 <sup>3</sup> / <sub>4</sub>	12	23	LOH2-74	2	2 <sup>5</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	3 <sup>8</sup> / <sub>16</sub>	2
GD-750	9 <sup>1</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>	7 <sup>5</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>16</sub>	2	10 <sup>3</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>16</sub>	28	LOH2-74	2	2 <sup>5</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	3 <sup>8</sup> / <sub>16</sub>	2

L.W.L.:Lowest Running Water Level

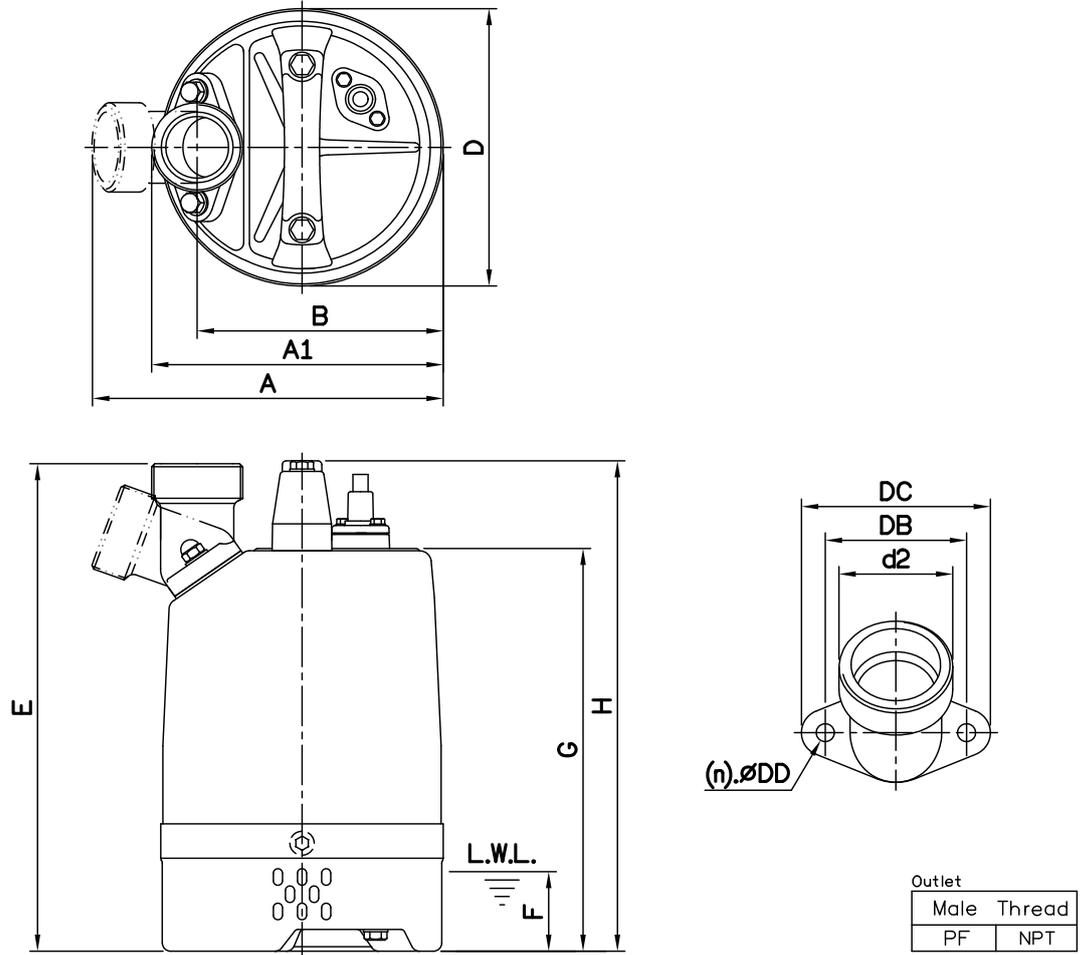
WT1:Pump Weight(Without Cable)

## DIMENSIONS

NO: S2GD0208013-00

MODEL: GD-400 / 750

1Ø



Dimensions—mm

Weight:kg

Model	A	A1	B	D	E	F	G	H	WT1	Outlet	d2	DB	DC	DD	(n)QTY
GD-400	230	191	161	185	303	50	247	305	10.5	LOT2-74	50	74	99	9	2
GD-750	230	191	161	185	325	50	269	327	12.6	LOT2-74	50	74	99	9	2

Dimensions—inch

Weight:lb

Model	A	A1	B	D	E	F	G	H	WT1	Outlet	d2	DB	DC	DD	(n)QTY
GD-400	9 $\frac{1}{16}$	7 $\frac{1}{2}$	6 $\frac{5}{16}$	7 $\frac{5}{16}$	11 $\frac{5}{16}$	2	9 $\frac{3}{4}$	12	23	LOT2-74	2	2 $\frac{5}{16}$	3 $\frac{7}{8}$	$\frac{3}{8}$	2
GD-750	9 $\frac{1}{16}$	7 $\frac{1}{2}$	6 $\frac{5}{16}$	7 $\frac{5}{16}$	12 $\frac{3}{16}$	2	10 $\frac{3}{8}$	12 $\frac{3}{8}$	28	LOT2-74	2	2 $\frac{5}{16}$	3 $\frac{7}{8}$	$\frac{3}{8}$	2

L.W.L.:Lowest Running Water Level

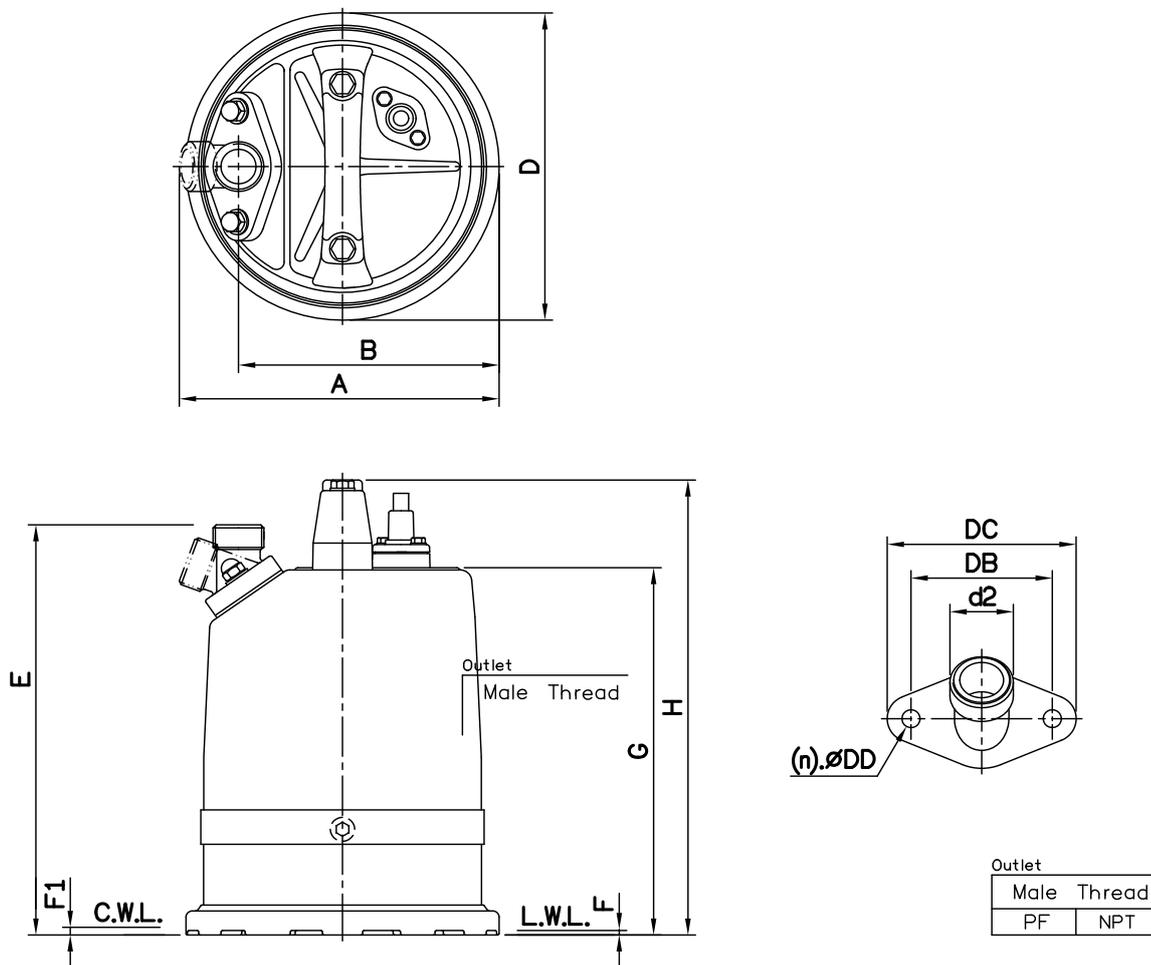
WT1:Pump Weight(Without Cable)

## DIMENSIONS

NO: S1GDR204012-00

MODEL: GDR-400

1Ø



Dimensions-mm

Weight:kg

Model	A	B	D	E	F	F1	G	H	WT1	Outlet	d2	DB	DC	DD	(n)QTY
GDR-400	209	171	205	274	1~2	5	246	304	11.8	LOT1-74	25	74	99	9	2
GDR-400	240	171	205	302	1~2	5	246	304	11.8	LOT2-74	50	74	99	9	2

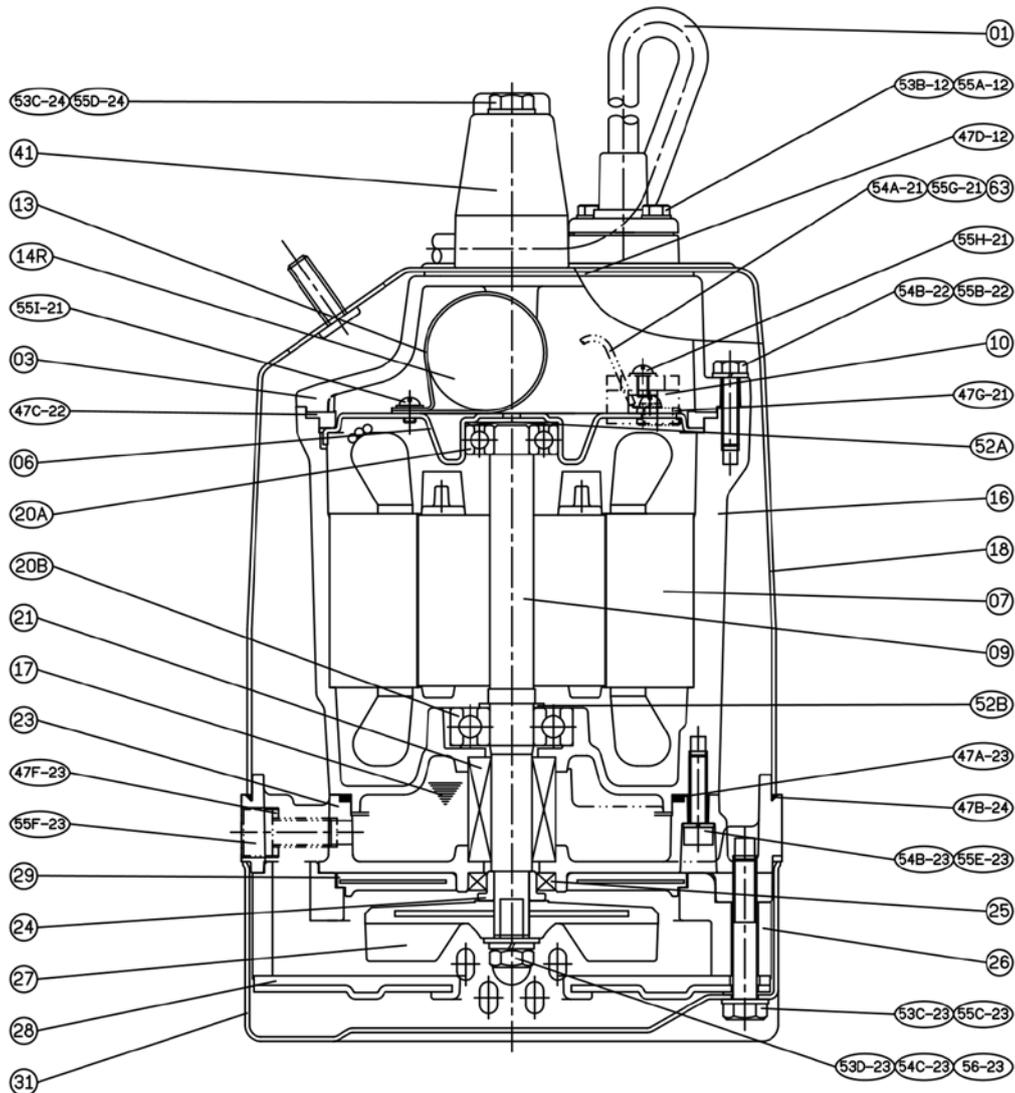
Dimensions-inch

Weight:lb

Model	A	B	D	E	F	F1	G	H	WT1	Outlet	d2	DB	DC	DD	(n)QTY
GDR-400	8 3/4	6 3/4	8 1/8	10 13/16	1/16	3/16	9 11/16	11 15/16	26	LOT1-74	1	2 15/16	3 7/8	3/8	2
GDR-400	9 3/8	6 3/4	8 1/8	11 14/16	1/16	3/16	9 11/16	11 15/16	26	LOT2-74	2	2 15/16	3 7/8	3/8	2

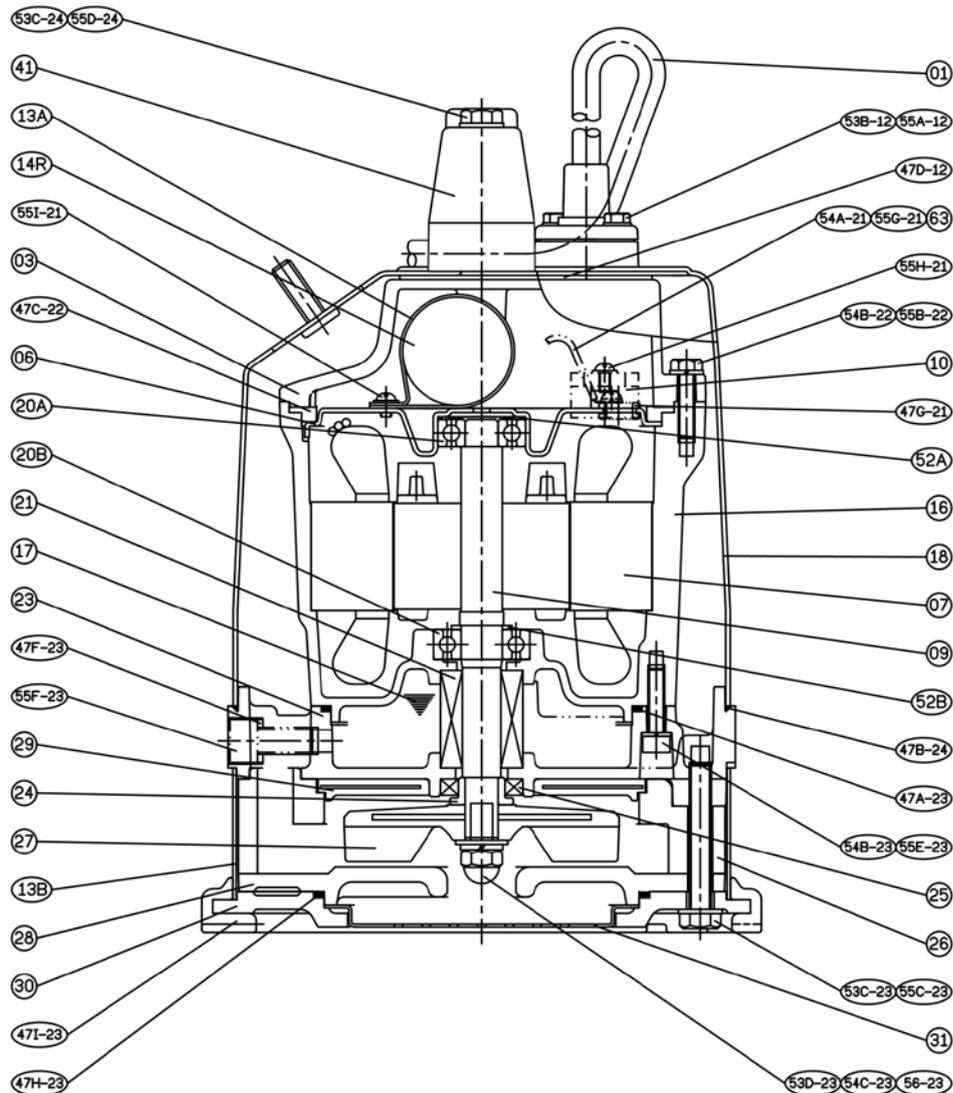
C.W.L.:Continuous Running Water Level  
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)



NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	ADC12	1
06	Bracket	SECD	1
07	Stator		1
09	Shaft End	SUS410	1
10	Auto-cut Protector		1
14R	Capacitor		1
16	Motor Frame	ADC12	1
17	Lubricant		
18	Outer Cover	SPCE	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	ADC12	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS304L	1
25	Oil Seal	NBR	1
26	Casing	Synthetic Rubber	1
27	Impeller	Urethane Rubber+SPCC	1
28	Casing Cover	Synthetic Rubber+SPCC	1
29	Wear plate	Synthetic Rubber+SPCC	1
31	Strainer	SUS304	1
41	Handle	ABS	1
47	Gasket Kit		



NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	ADC12	1
06	Bracket	SECD	1
07	Stator		1
09	Shaft End	SUS410	1
10	Auto-cut Protector		1
13B	Stand Bracket	SUS304	1
14R	Capacitor		1
16	Motor Frame	ADC12	1
17	Lubricant		
18	Outer Cover	SPCE	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
23	M. Seal Bracket	ADC12	1
24	Oil Seal Bush	SUS304L	1
25	Oil Seal	NBR	1
26	Casing	Synthetic Rubber	1
27	Impeller	Urethane Rubber+SPCC	1
28	Casing Cover	FC200	1
29	Wear plate	Synthetic Rubber+SPCC	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	ABS	1
47	Gasket Kit		



Professionalism • Innovation • Service • Commitment

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