

GF SERIES

SUBMERSIBLE GRINDER PUMPS

POWER : 1.3~10HP (1.0~7.5kW)
MAX.HEAD : 53m(174feet)
MAX.FLOW : 0.55m³/min (33m³/h)

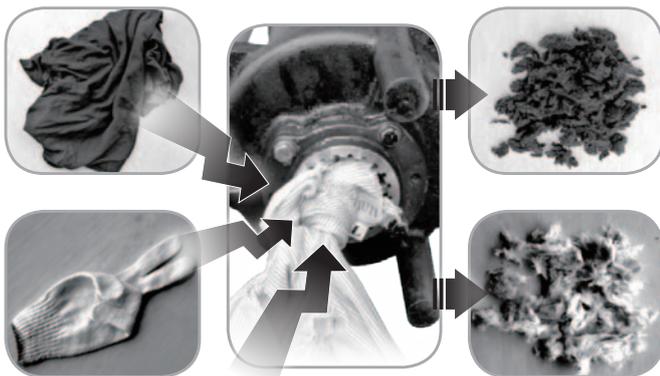


PRODUCT NOMENCLATURE

Example : $\frac{32}{\text{Discharge mm}}$ $\frac{\text{GF}}{\text{Type}}$ $\frac{2}{\text{Pole}}$ $\frac{1.5}{\text{kW}}$ $\frac{\text{H}}{\text{High Head}}$

FEATURE

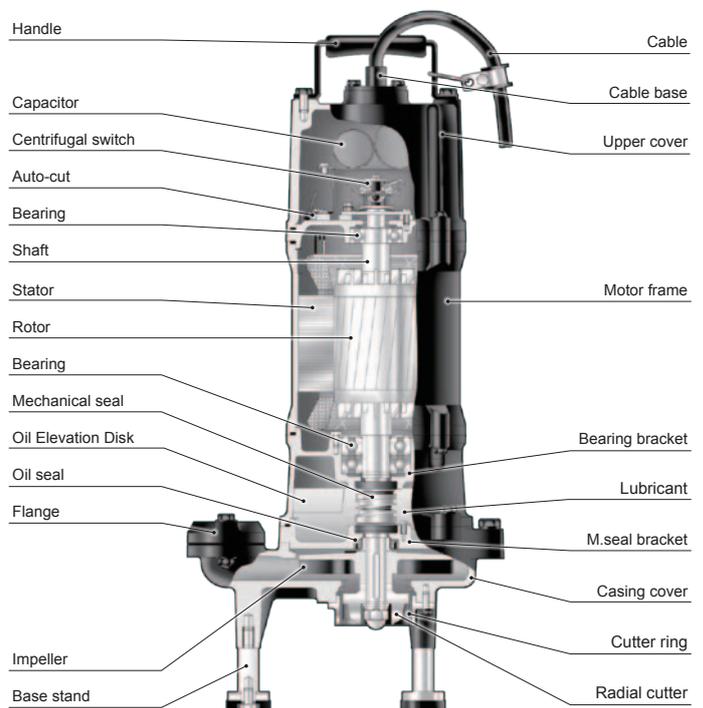
- Standard accessories include: cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and oil seal design.
- Vortex impeller design prevents clogging.
- Radial cutter and cutter ring SUS440C : corrosion resistant material, hardened to 55~60 Rockwell C.
- 50GF model Triangular handle design for easy handling on Guide Rail System.
- 1Ø Centrifugal Switch and capacitor motor design provides 5 times higher torque than average capacitor starting.



5times Extreme Grinding Ability

APPLICATIONS

- Used in pressure sewage system.
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, motels, hotels.
- Transferring wastewater of commercial building, industrial plants.



GF SERIES SUBMERSIBLE GRINDER PUMPS

32GF21.0 · 32GF21.5 · 32GF21.5H · 32GF22.2 · 50GF22.2 · 50GF23.7

SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp. 0~40°C(32~104°F)
	Applications Residential Wastewater and Sewage
Type	Frequency 50Hz
	Motor 2P(3000rpm) · Dry Motor
	Insulation Class F
	Protection IP68
	Protector Auto-cut
	Bearing Ball type
	M.seal Double M.seals
	Impeller Vortex
Material	Upper Cover FC200
	Motor Frame FC200
	Shaft SUS403
	M.seal CA/CE & SiC/SiC
	Casing FC200
	Impeller FC200
	Radial Cutter SUS440C
	Cutter Ring SUS440C
	Cable VCT or H07RN-F or SJOW/SOW
	Optional DN40 Casing

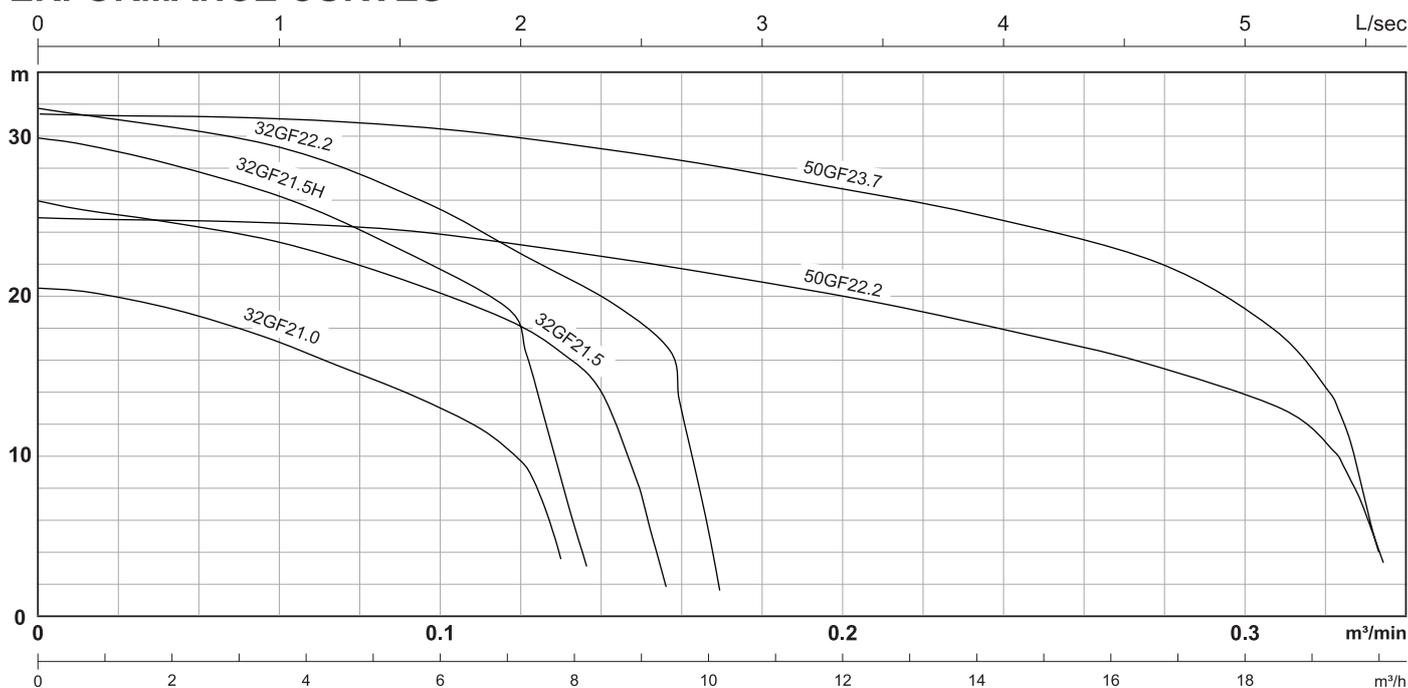


Vortex Impeller

Radial Cutter & Cutter Ring

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		220V	230V	230V	380V	400V	415V	525V
32GF21.0	1.3(1.0)	1 1/4"(32)	17-0.06	17-3.6	20.5-0.13	20.5-7.8	-	27(60)	25(55)	Full load Ampere	6.6	6.4	4.2	2.4	2.3	2.3	1.8
32GF21.5	2(1.5)	1 1/4"(32)	23-0.06	23-3.6	26-0.15	26-9	-	36(79)	32(71)		10.2	10.0	6.2	3.6	3.4	3.4	2.7
32GF21.5H	2(1.5)	1 1/4"(32)	26-0.06	26-3.6	30-0.14	30-8.4	-	36(79)	32(71)		10.2	10.0	6.2	3.6	3.4	3.4	2.7
32GF22.2	3(2.2)	1 1/4"(32)	29-0.06	29-3.6	32-0.165	32-9.9	-	38(84)	36(79)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
50GF22.2	3(2.2)	2"(50)	20-0.2	20-12	25-0.33	25-19.8	-	-	44(97)		-	-	9.6	5.6	5.3	5.3	4.2
50GF23.7	5(3.7)	2"(50)	27-0.2	27-12	31.5-0.33	31.5-19.8	-	-	47(104)		-	-	14.2	8.2	7.8	7.8	6.2

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	0.02	0.04	0.06	0.08	0.1	0.2	0.3	Q:L/sec	0.5	1	1.5	2	2.5	3	4	5	
				1.2	2.4	3.6	4.2	6	12	18		H:m	H:m							
32GF21.0	1.3(1.0)	1 1/4"(32)	H:m	19.8	18.5	16.9	15.0	12.8	-	-	H:m	19.4	16.9	14.2	9.4	-	-	-	-	
32GF21.5	2(1.5)	1 1/4"(32)		25.7	24.6	23.6	22.2	20.6	-	-		24.8	23.5	21.0	18.1	7.6	-	-	-	-
32GF21.5H	2(1.5)	1 1/4"(32)		29.0	27.8	26.3	24.5	21.5	-	-		28.4	26.3	23.0	15.7	-	-	-	-	-
32GF22.2	3(2.2)	1 1/4"(32)		31.0	30.2	29.1	27.8	25.4	-	-		30.8	29.2	26.6	22.8	18.2	-	-	-	-
50GF22.2	3(2.2)	2"(50)		25.3	25.0	24.7	24.3	23.9	20.1	14.0		24.8	24.6	24.2	23.4	22.2	21.1	18.0	13.8	-
50GF23.7	5(3.7)	2"(50)		31.4	31.2	30.9	30.5	30.2	26.7	19.2		31.4	31.0	30.8	29.7	29.0	27.7	24.8	19.2	-

GF SERIES SUBMERSIBLE GRINDER PUMPS

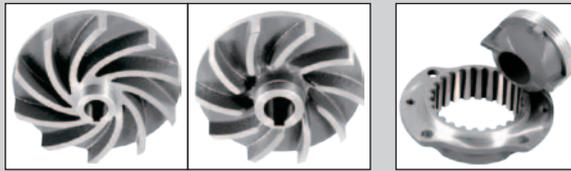
50GF25.5 · 50GF25.5H · 50GF27.5 · 50GF27.5H

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Residential Wastewater and Sewage
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class H
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Radial Cutter	SUS440C
	Cutter Ring	SUS440C
	Cable	VCT or H07RN-F or SOW
	Optional	-



50GF25.5 · 50GF25.5H
50GF27.5 · 50GF27.5H

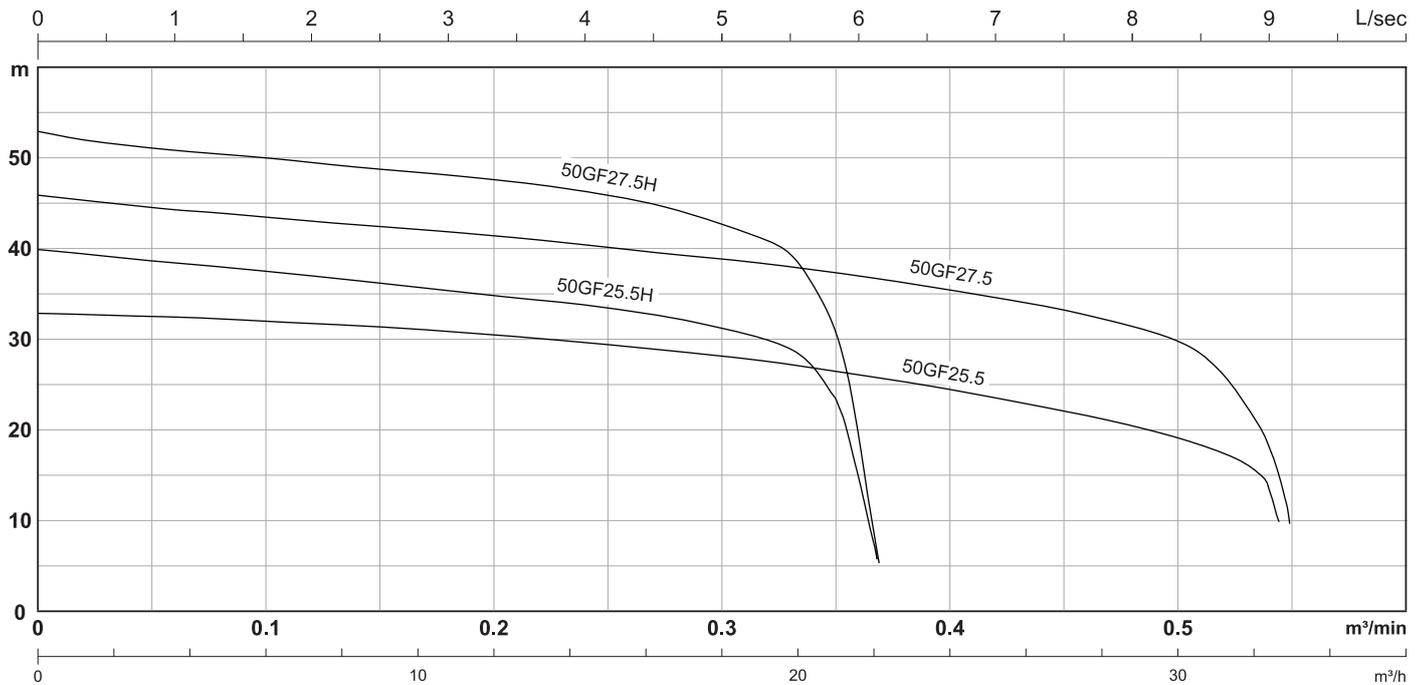


Vortex Impeller

Radial Cutter & Cutter Ring

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		220V	230V	230V	380V	400V	415V	525V
50GF25.5	7.5(5.5)	2"(50)	24-0.4	24-24	33-0.55	33-33	-	-	73(161)	Full load Ampere	-	-	20.6	11.7	11.4	11.4	9.1
50GF25.5H	7.5(5.5)	2"(50)	33-0.25	33-15	40-0.37	40-22.2	-	-	74(163)		-	-	20.6	11.7	11.4	11.4	9.1
50GF27.5	10(7.5)	2"(50)	35-0.4	35-24	46-0.55	46-33	-	-	80(176)		-	-	27.6	15.7	15.2	15.2	12.2
50GF27.5H	10(7.5)	2"(50)	46-0.25	46-15	53-0.37	53-22.2	-	-	80(176)		-	-	27.6	15.7	15.2	15.2	12.2

PERFORMANCE CURVES



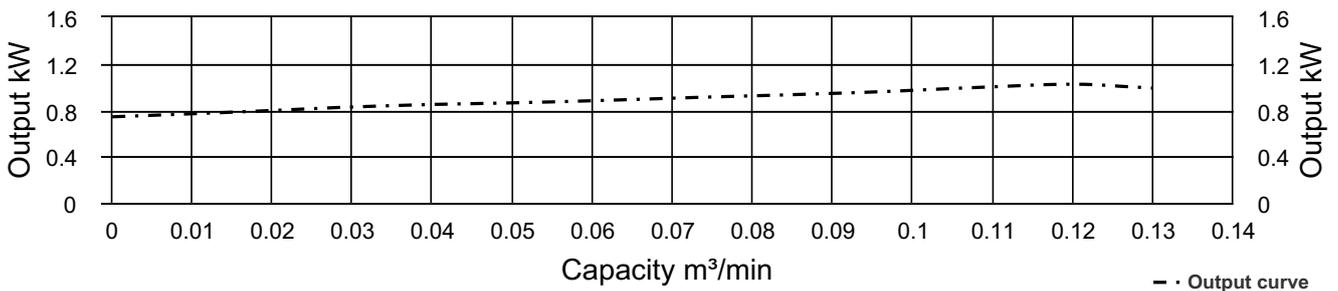
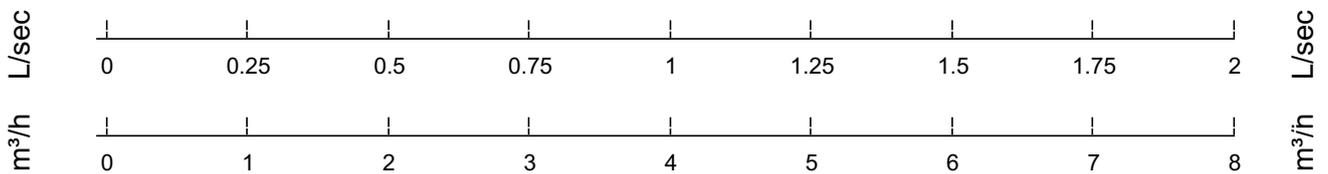
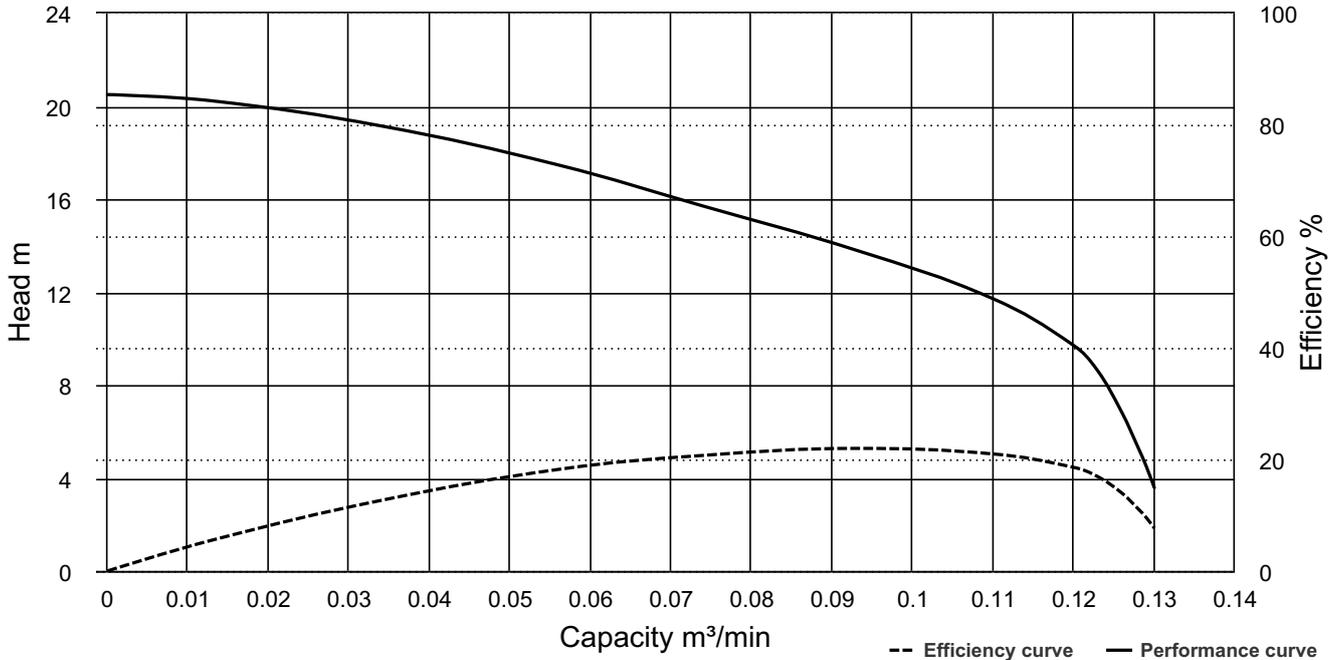
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.5	Q:L/sec	1	2	3	4	5	6	7	9
				6	9	12	15	18	21	24	30		H:m							
50GF25.5	7.5(5.5)	2"(50)	H:m	32.0	31.4	30.6	29.6	28.4	26.8	24.8	19.4	H:m	32.4	31.8	31.0	30.0	28.4	26.4	23.8	14.0
50GF25.5H	7.5(5.5)	2"(50)		37.5	36.4	35.0	33.7	31.2	21.3	-	-		38.6	37.0	35.6	34.0	31.2	14.2	-	-
50GF27.5	10(7.5)	2"(50)		43.7	42.6	41.6	40.4	39.0	37.6	35.8	30.2		44.5	43.2	42.0	40.6	39.0	37.2	35.0	19.0
50GF27.5H	10(7.5)	2"(50)		50.0	49.0	47.8	46.0	42.8	31.0	-	-		51.0	48.6	48.2	46.4	42.8	20.0	-	-



HCP PUMP

PUMP PERFORMANCE CURVES

Model	32GF21.0				Ver NO.	BA0408	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	1 1/4" / 32 mm						
Power	1.3 HP / 1 kW						
Std. Head	17 m						
Std. Capacity	0.06 m ³ /min						
Volt	220 V	230 V	240 V				
Rated Current	6.6 A	6.4 A	6.4 A				
Pole / rpm	2 P / 2820 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



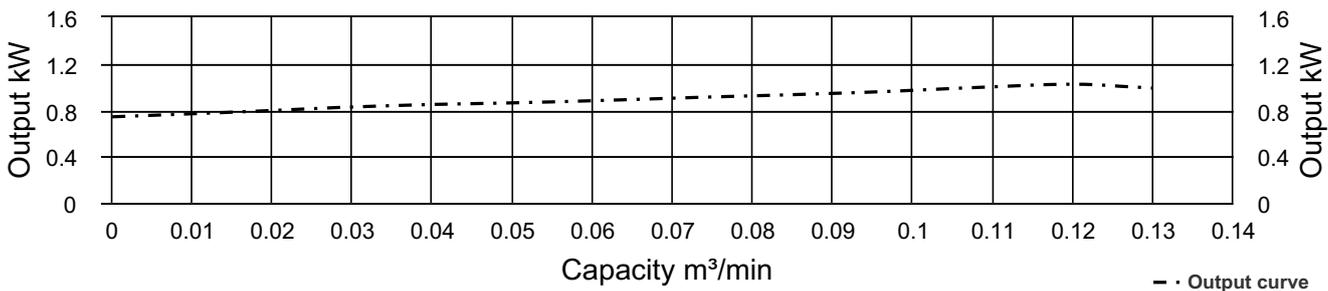
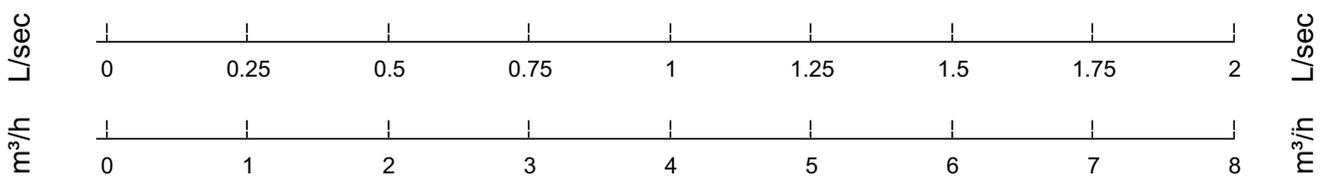
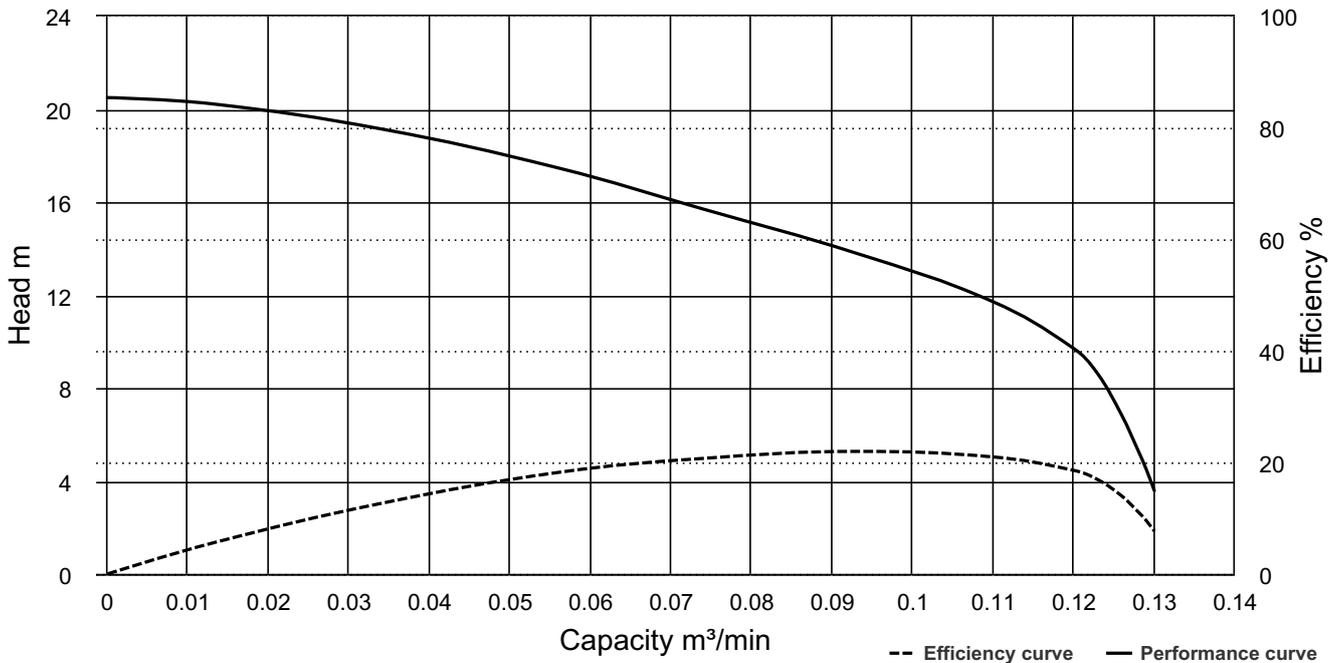
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PUMP PERFORMANCE CURVES

Model	32GF21.0					Ver NO.	BA0408
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	1 1/4" / 32 mm						
Power	1.3 HP / 1 kW						
Std. Head	17 m						
Std. Capacity	0.06 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	4.2 A	2.4 A	2.3 A	2.3 A	1.8 A		
Pole / rpm	2 P / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



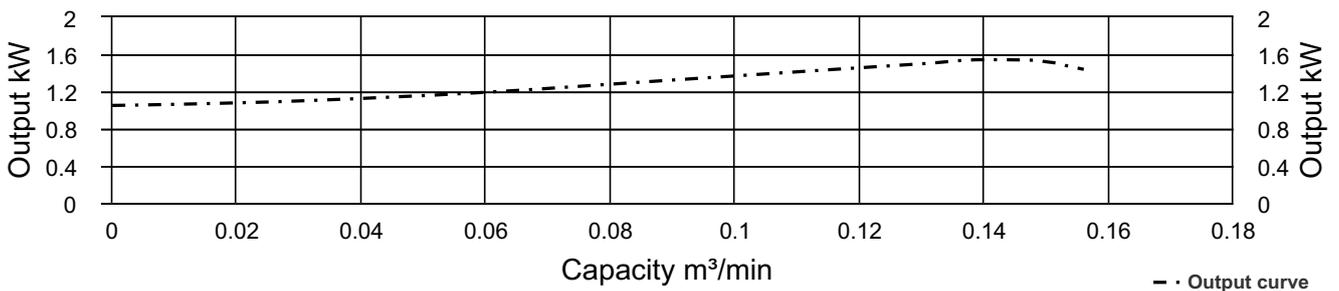
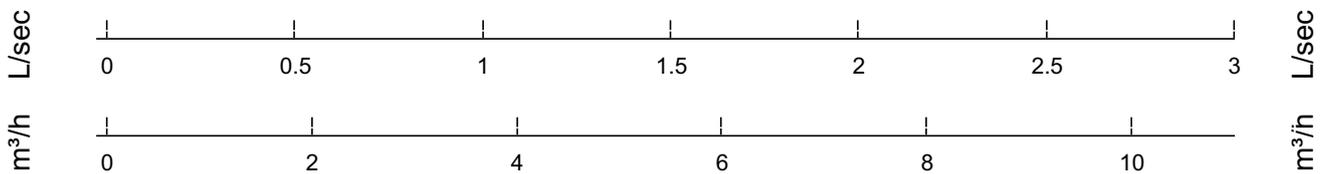
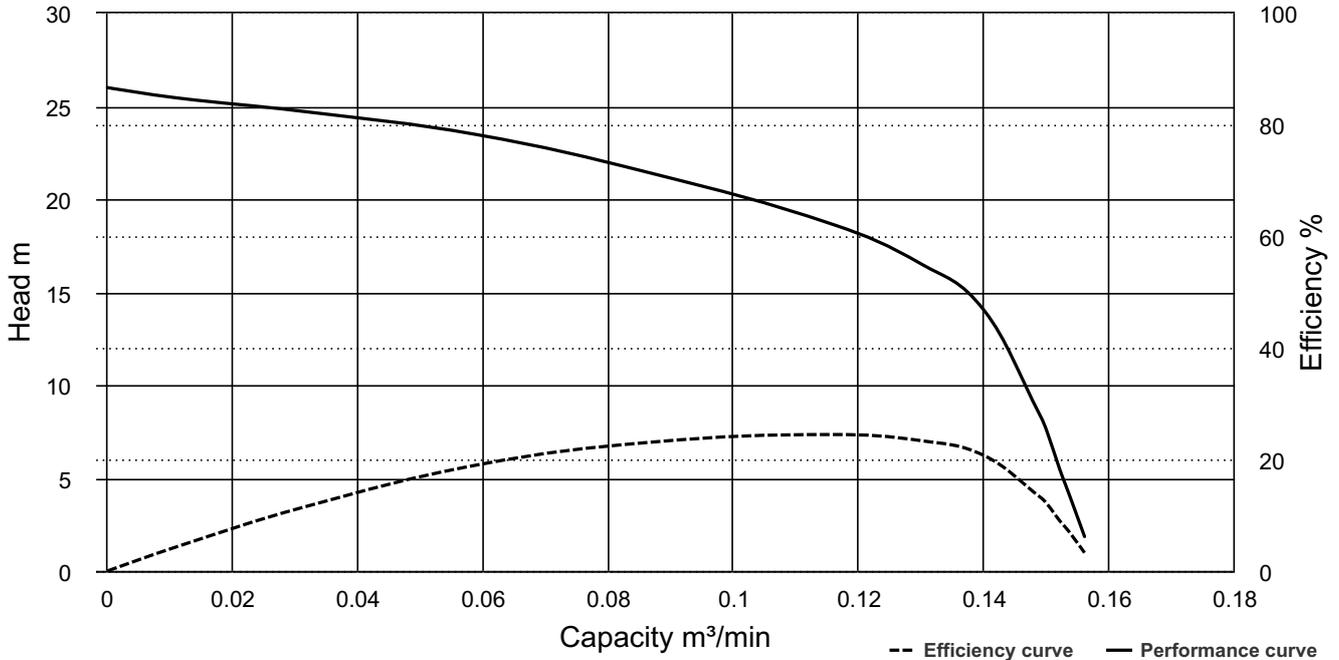
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PUMP PERFORMANCE CURVES

Model	32GF21.5				Ver NO.	BA0408	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	1 1/4" / 32 mm						
Power	2 HP / 1.5 kW						
Std. Head	23 m						
Std. Capacity	0.06 m ³ /min						
Volt	220 V	230 V	240 V				
Rated Current	10.2 A	10 A	9.8 A				
Pole / rpm	2 P / 2820 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



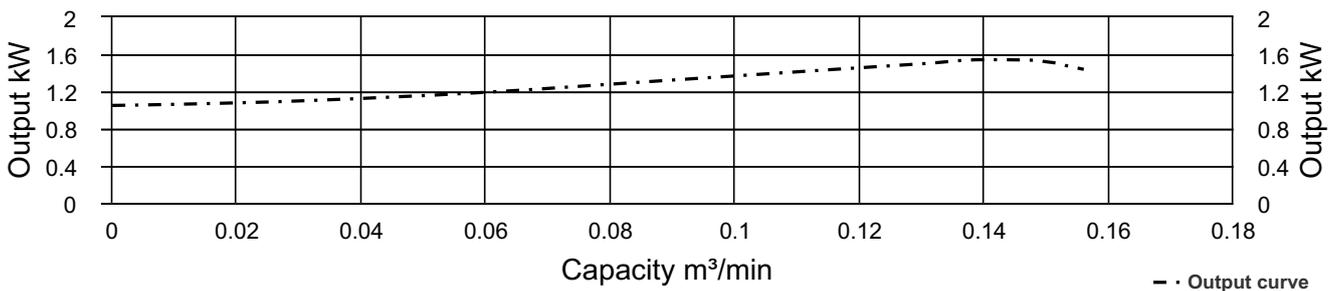
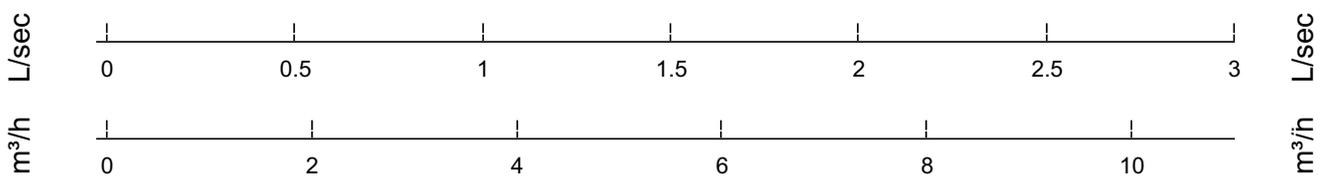
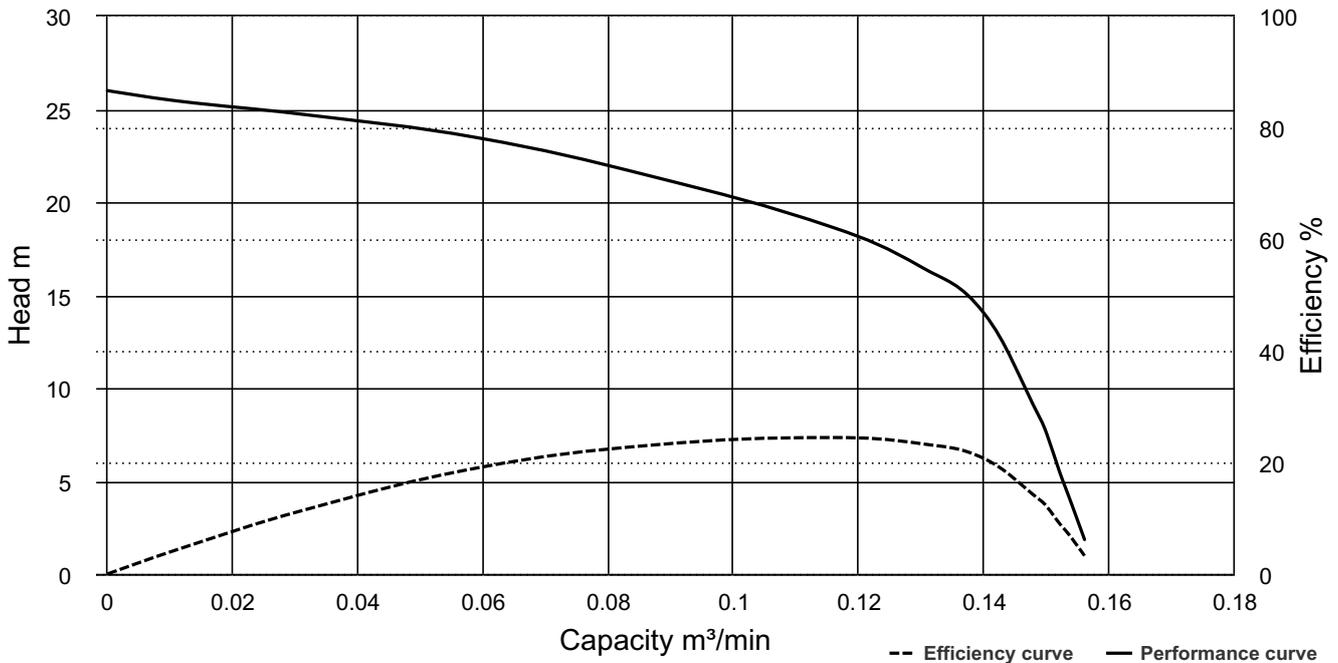
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PUMP PERFORMANCE CURVES

Model	32GF21.5					Ver NO.	BA0408	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	1 1/4" / 32 mm							
Power	2 HP / 1.5 kW							
Std. Head	23 m							
Std. Capacity	0.06 m ³ /min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	6.2 A	3.6 A	3.4 A	3.4 A	2.7 A			
Pole / rpm	2 P / 2820 rpm							
Start Method	DOL							
Insulation Class	F							



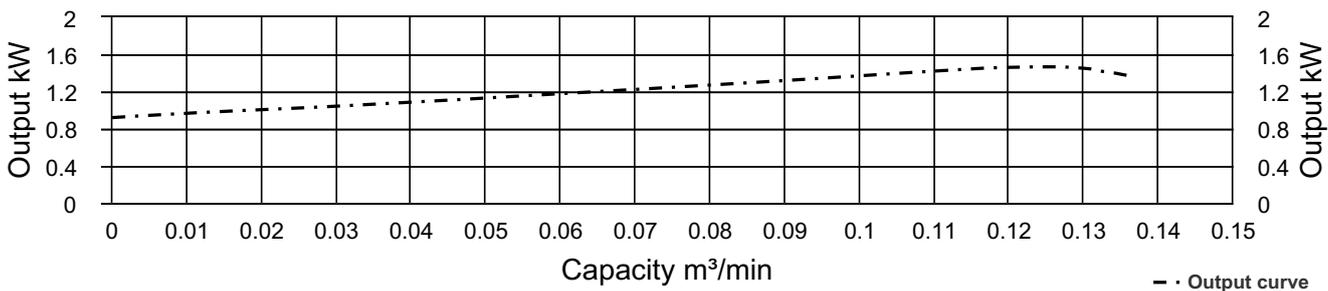
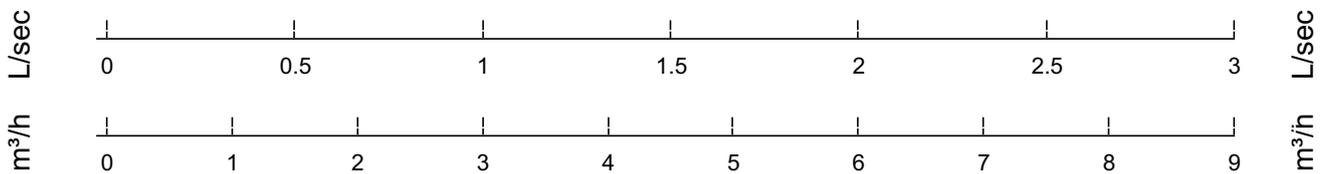
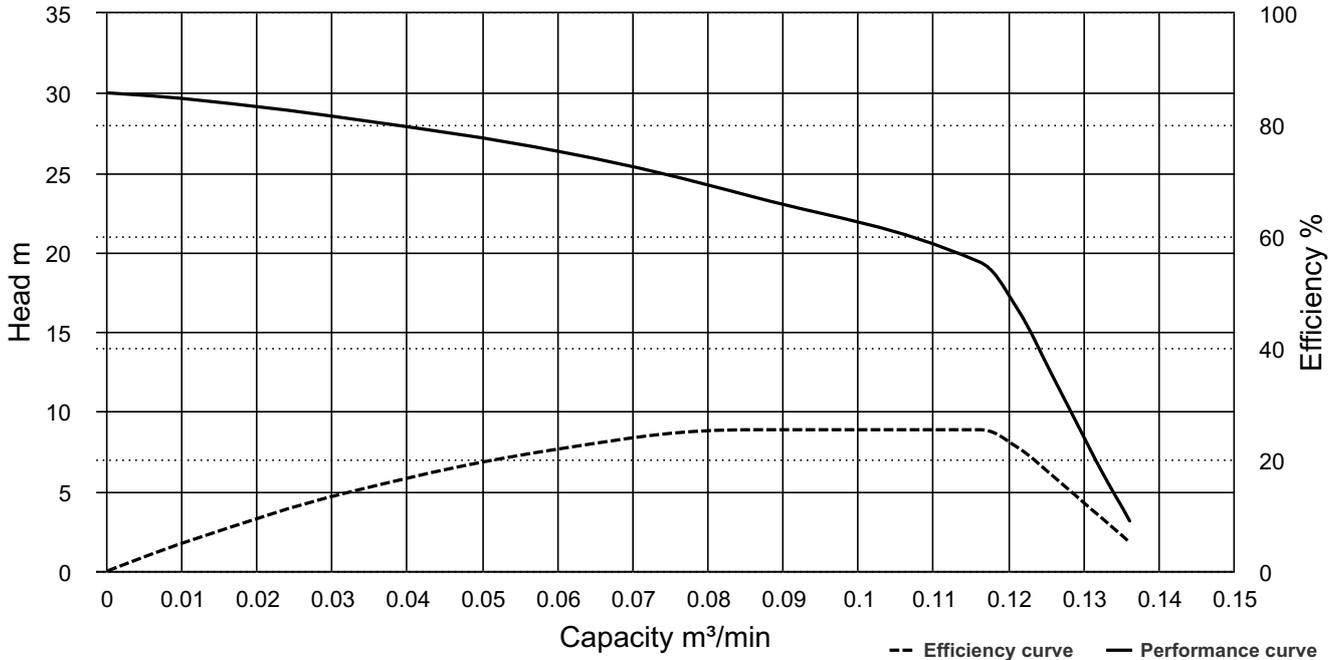
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PUMP PERFORMANCE CURVES

Model	32GF21.5H			Ver NO.	BA0408
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	1 1/4" / 32 mm				
Power	2 HP / 1.5 kW				
Std. Head	26 m				
Std. Capacity	0.06 m ³ /min				
Volt	220 V	230 V	240 V		
Rated Current	10.2 A	10 A	9.8 A		
Pole / rpm	2 P / 2820 rpm				
Start Method	CAPACITOR				
Insulation Class	F				



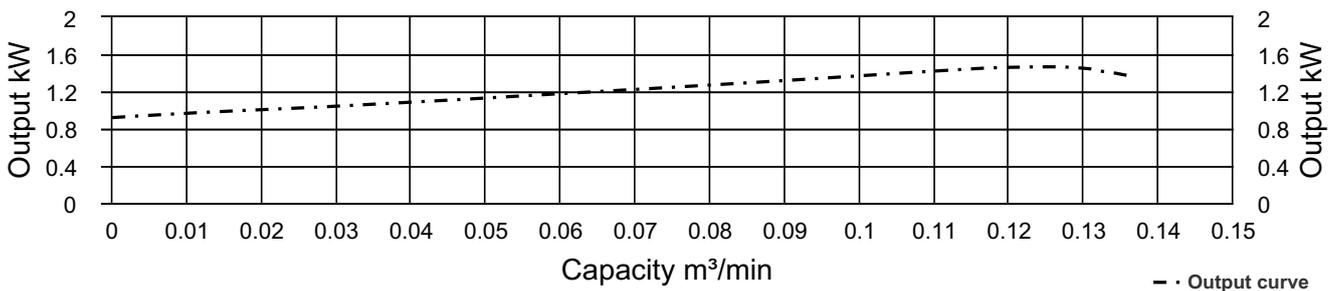
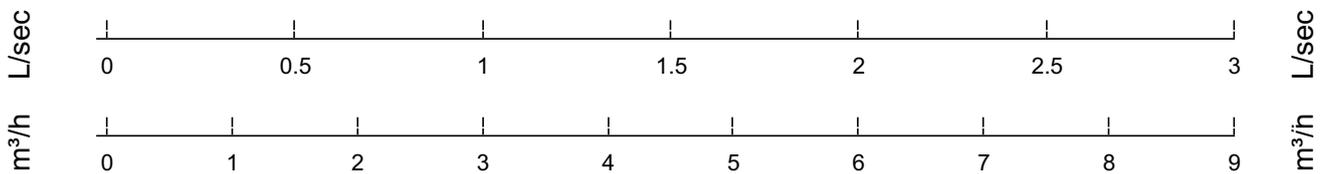
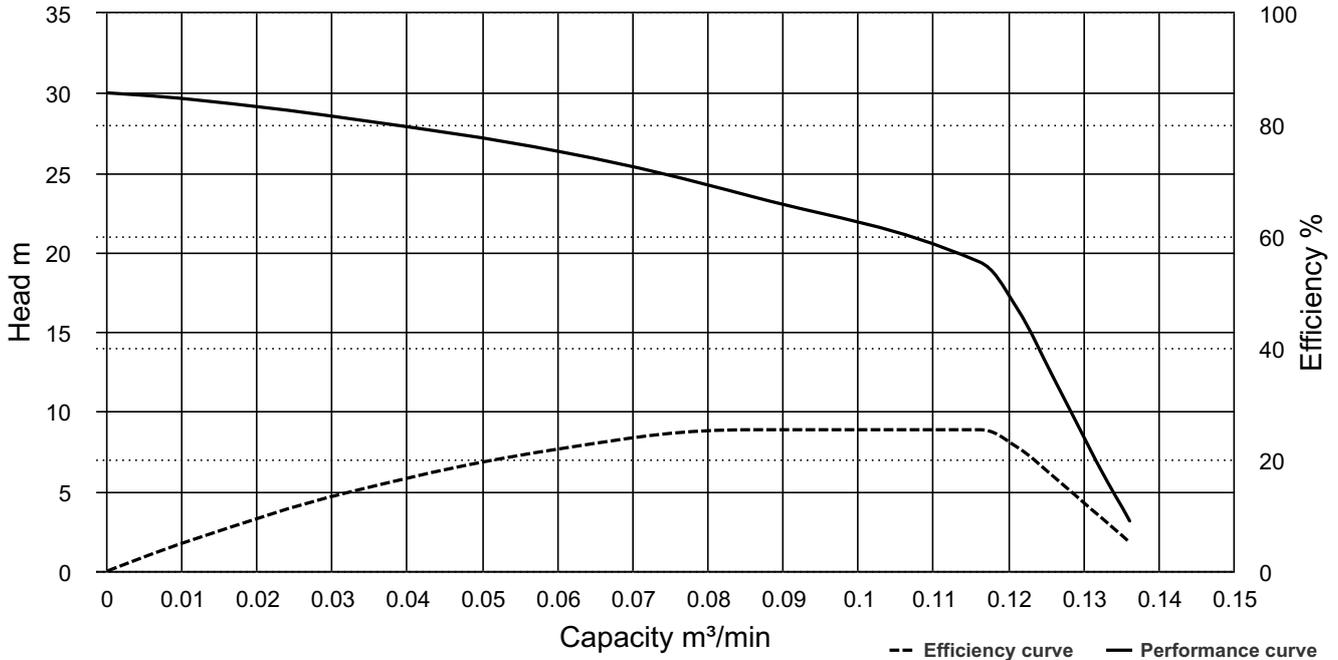
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PUMP PERFORMANCE CURVES

Model	32GF21.5H					Ver NO.	BA0408		
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION			
Discharge	1 1/4" / 32 mm								
Power	2 HP / 1.5 kW								
Std. Head	26 m								
Std. Capacity	0.06 m ³ /min								
Volt	230 V	380 V	400 V	415 V	525 V				
Rated Current	6.2 A	3.6 A	3.4 A	3.4 A	2.7 A				
Pole / rpm	2 P / 2820 rpm								
Start Method	DOL								
Insulation Class	F								



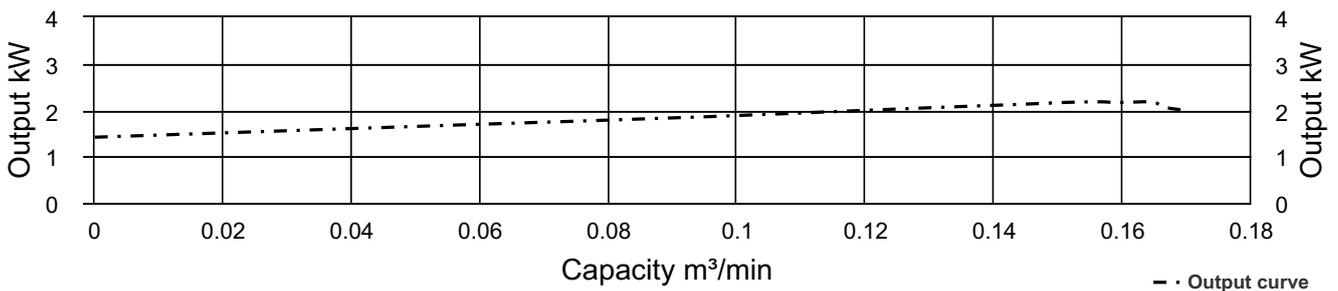
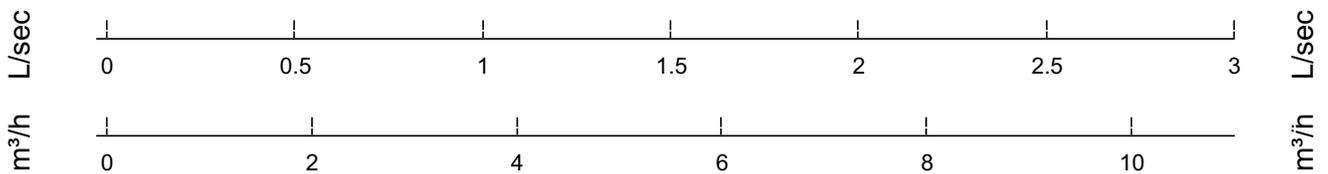
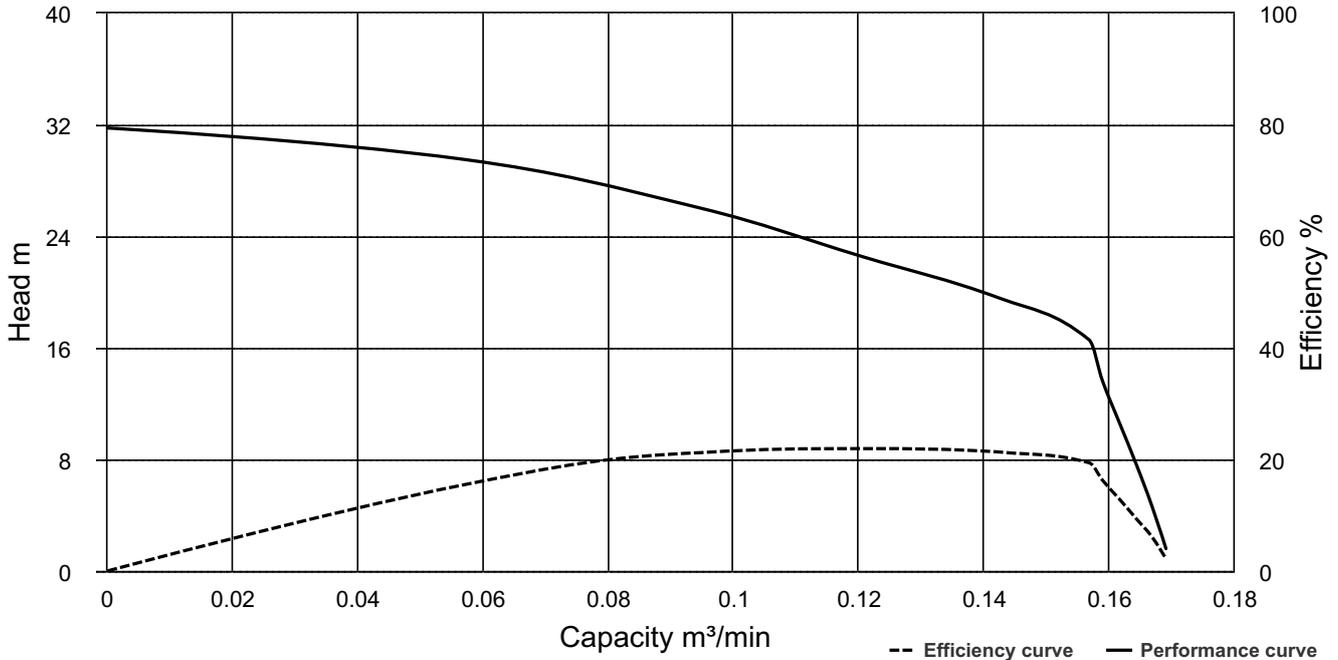
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PUMP PERFORMANCE CURVES

Model	32GF22.2				Ver NO.	BA0408	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	1 1/4" / 32 mm						
Power	3 HP / 2.2 kW						
Std. Head	29 m						
Std. Capacity	0.06 m ³ /min						
Volt	220 V	230 V	240 V				
Rated Current	15 A	14.6 A	14.4 A				
Pole / rpm	2 P / 2840 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



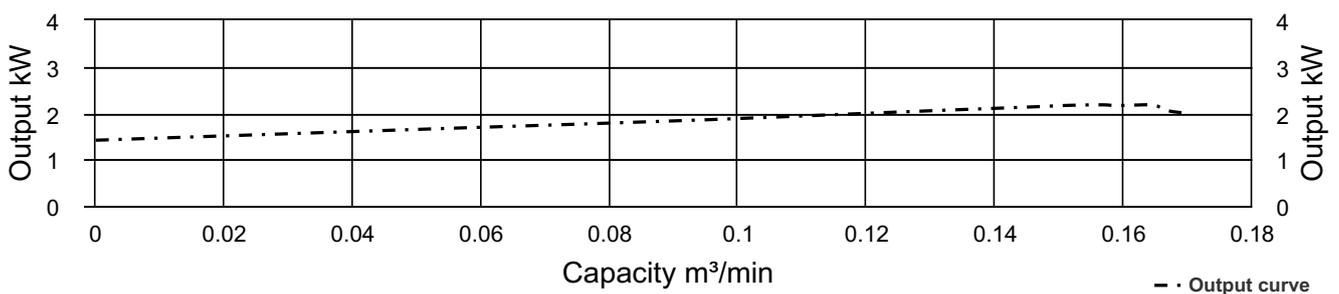
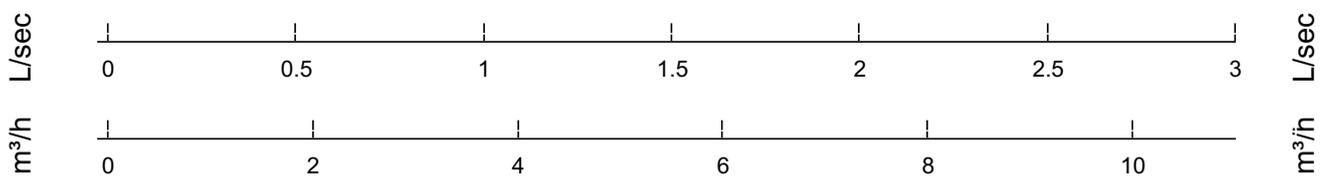
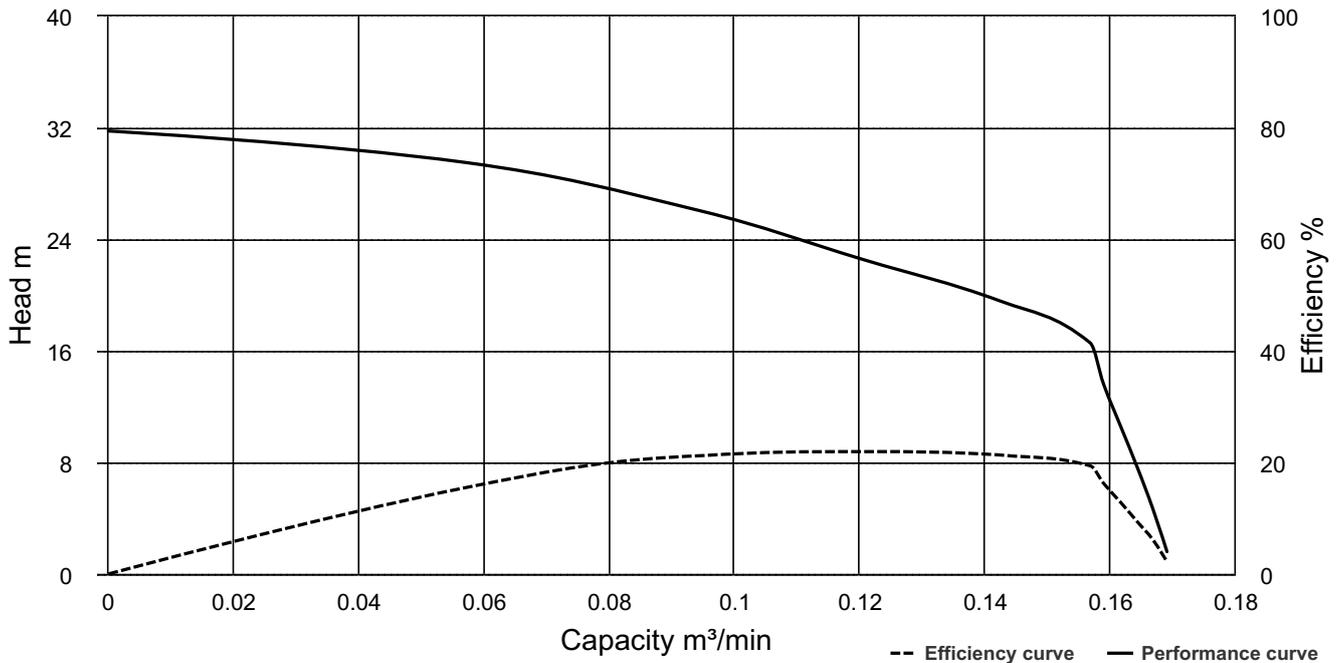
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PUMP PERFORMANCE CURVES

Model	32GF22.2					Ver NO.	BA0408	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	1 1/4" / 32 mm							
Power	3 HP / 2.2 kW							
Std. Head	29 m							
Std. Capacity	0.06 m ³ /min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	8.8 A	5 A	4.8 A	4.8 A	3.8 A			
Pole / rpm	2 P / 2840 rpm							
Start Method	DOL							
Insulation Class	F							



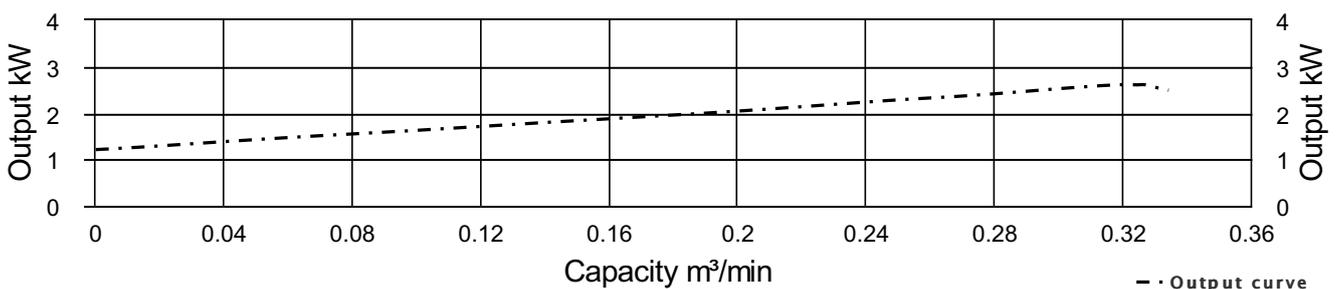
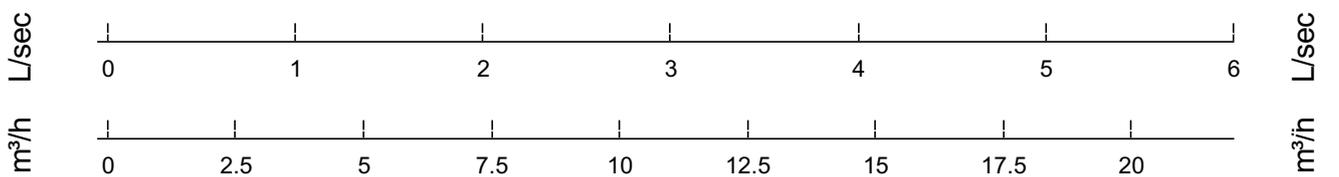
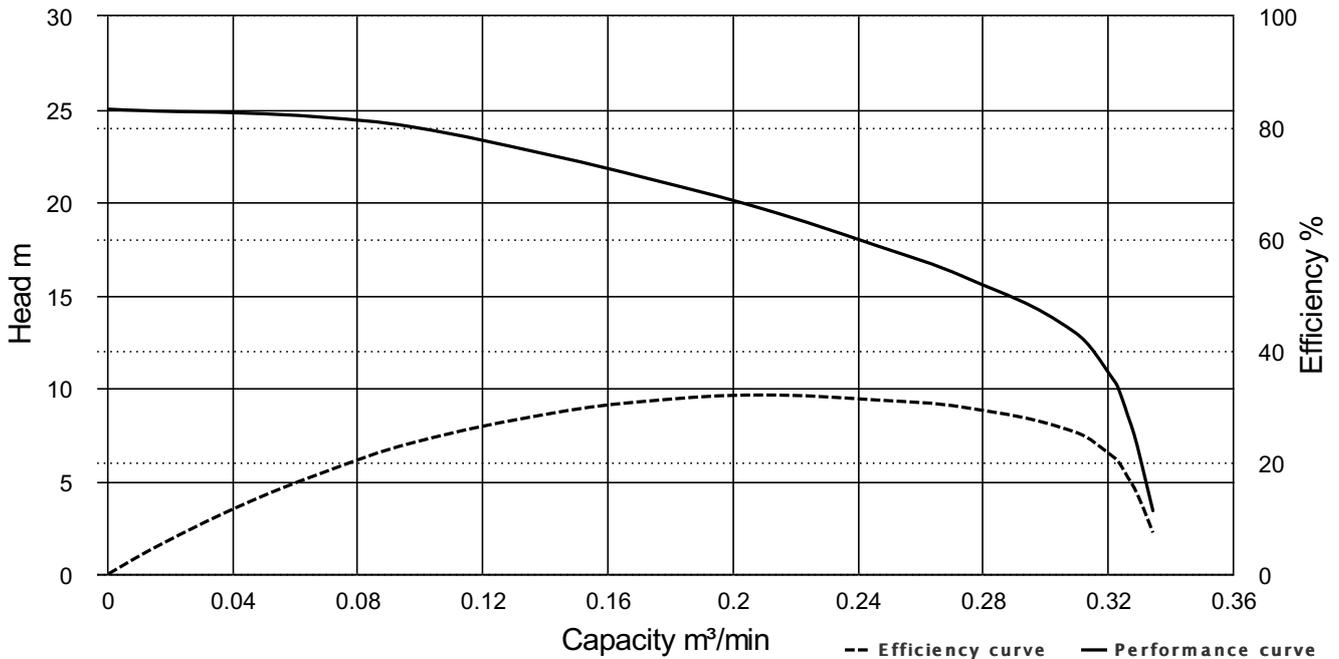
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	50GF22.2					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	3 HP / 2.2 kW						
Std. Head	20 m						
Std. Capacity	0.2 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	9.6 A	5.6 A	5.3 A	5.3 A	4.2 A		
Pole / rpm	2 P / 2880 rpm						
Start Method	DOL						
Insulation Class	F						



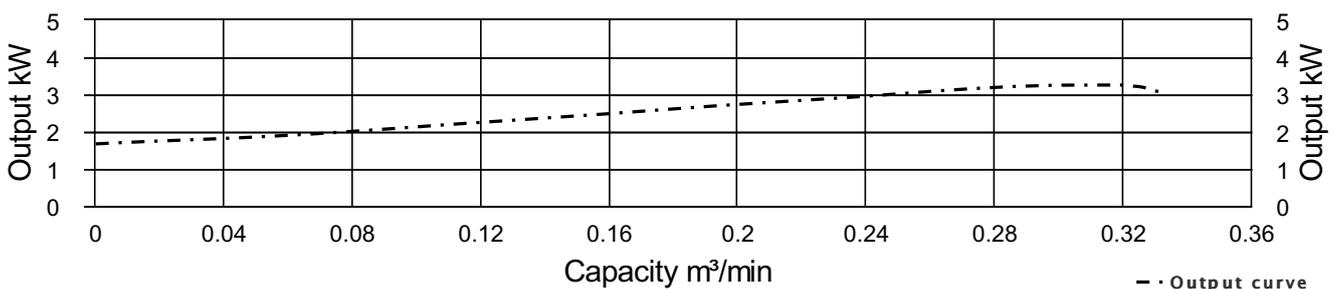
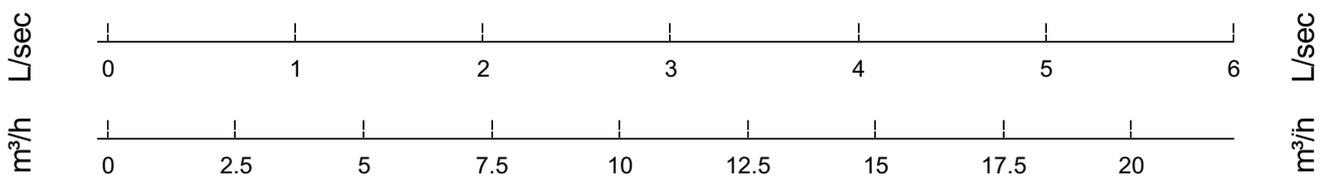
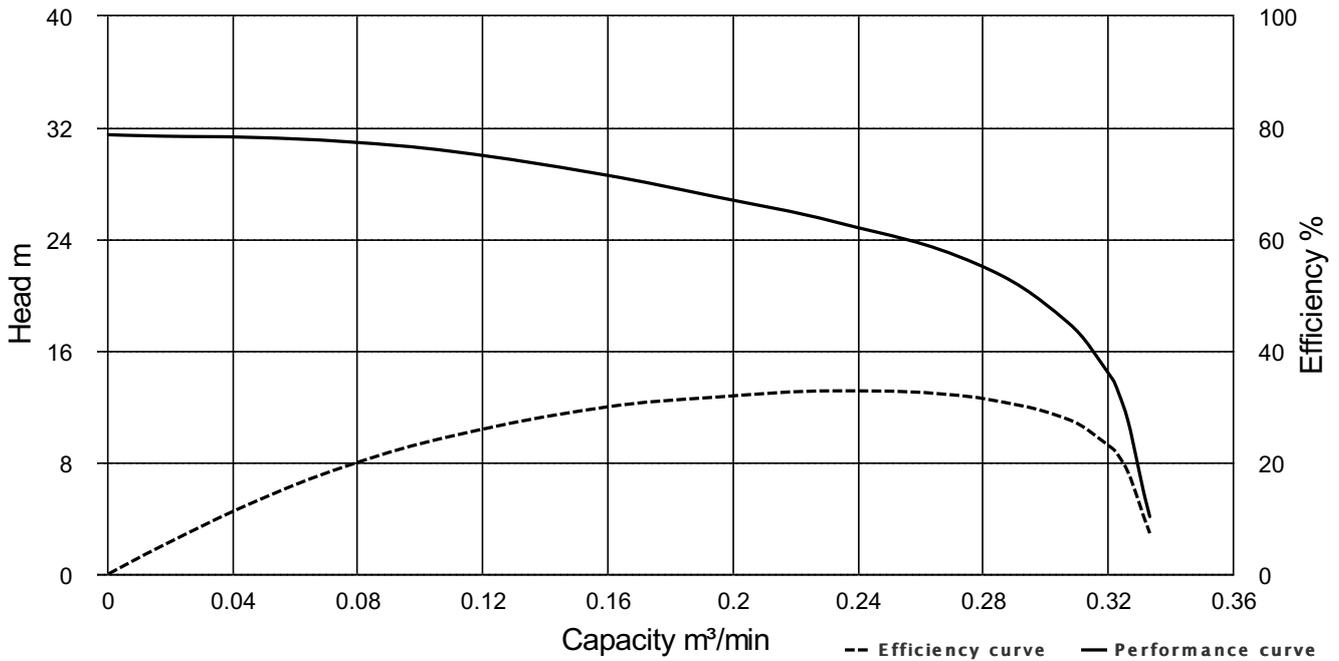
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PUMP PERFORMANCE CURVES

Model	50GF23.7					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	2" / 50 mm							
Power	5 HP / 3.7 kW							
Std. Head	27 m							
Std. Capacity	0.2 m ³ /min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	14.2 A	8.2 A	7.8 A	7.8 A	6.2 A			
Pole / rpm	2 P / 2850 rpm							
Start Method	DOL							
Insulation Class	F							



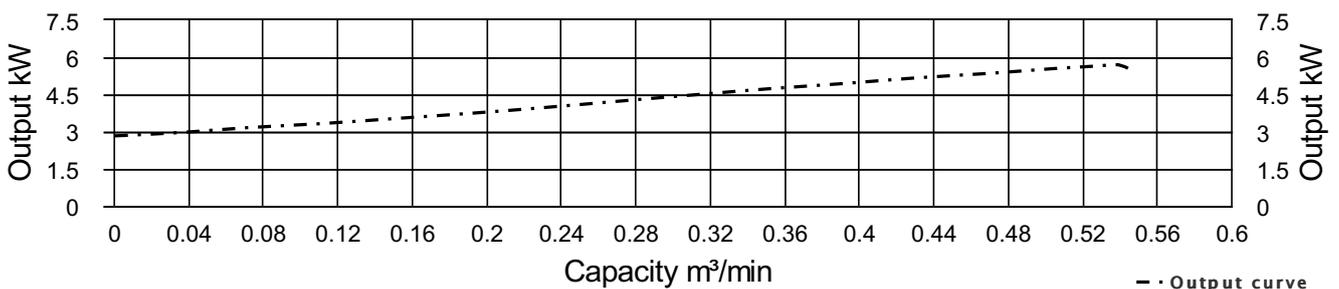
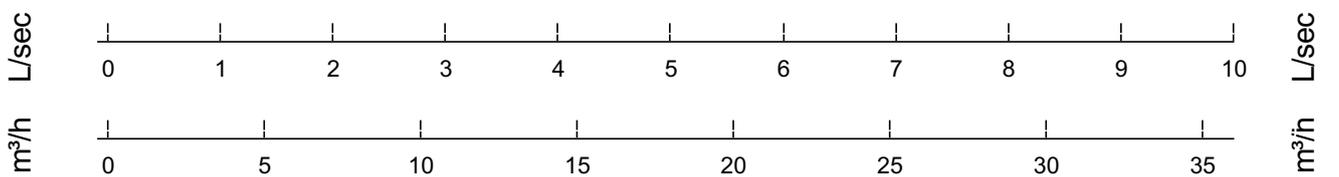
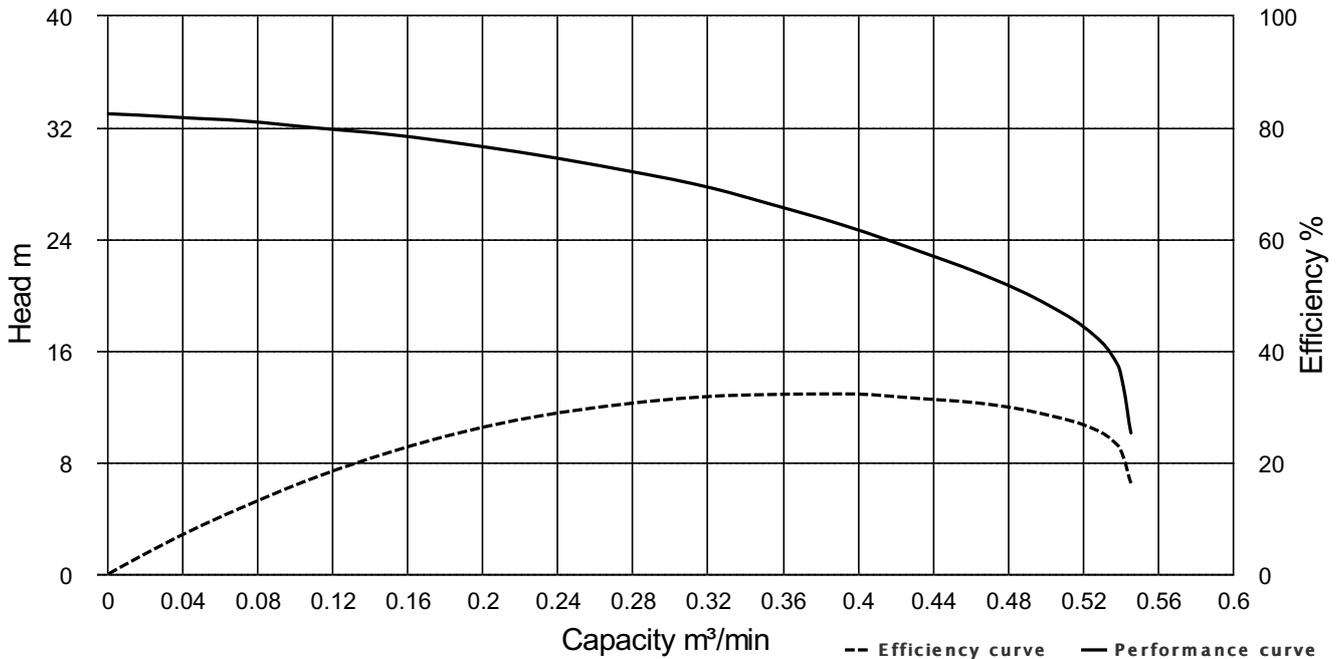
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50GF25.5					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	2" / 50 mm							
Power	7.5 HP / 5.5 kW							
Std. Head	24 m							
Std. Capacity	0.4 m ³ /min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	20.6 A	11.7 A	11.4 A	11.4 A	9.1 A			
Pole / rpm	2 P / 2890 rpm							
Start Method	DOL							
Insulation Class	H							



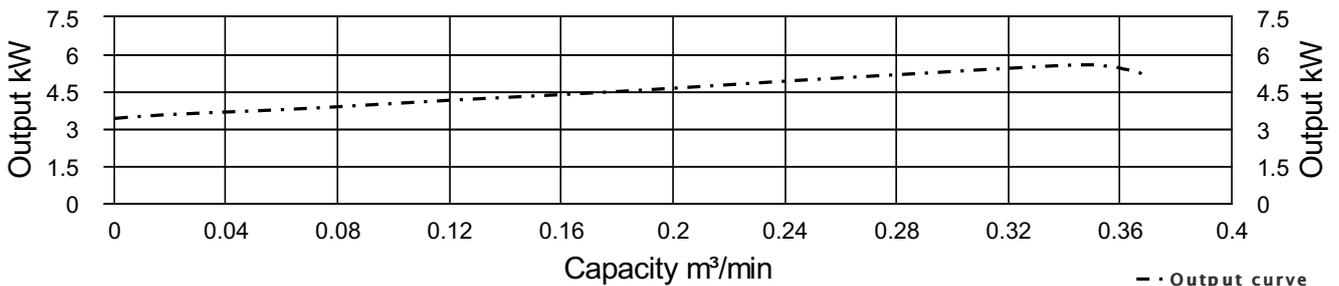
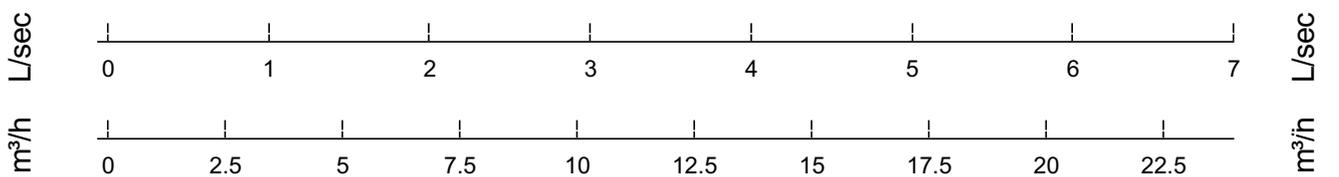
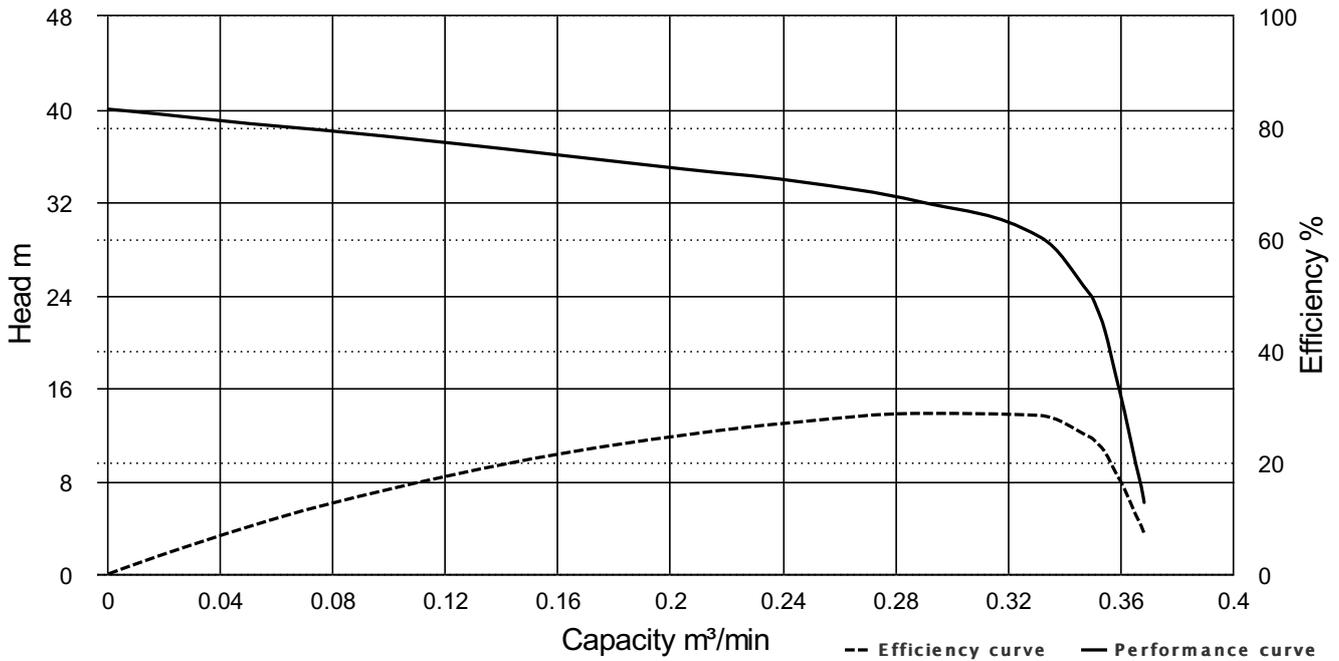
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50GF25.5H					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	2" / 50 mm							
Power	7.5 HP / 5.5 kW							
Std. Head	33 m							
Std. Capacity	0.25 m³/min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	20.6 A	11.7 A	11.4 A	11.4 A	9.1 A			
Pole / rpm	2 P / 2890 rpm							
Start Method	DOL							
Insulation Class	H							



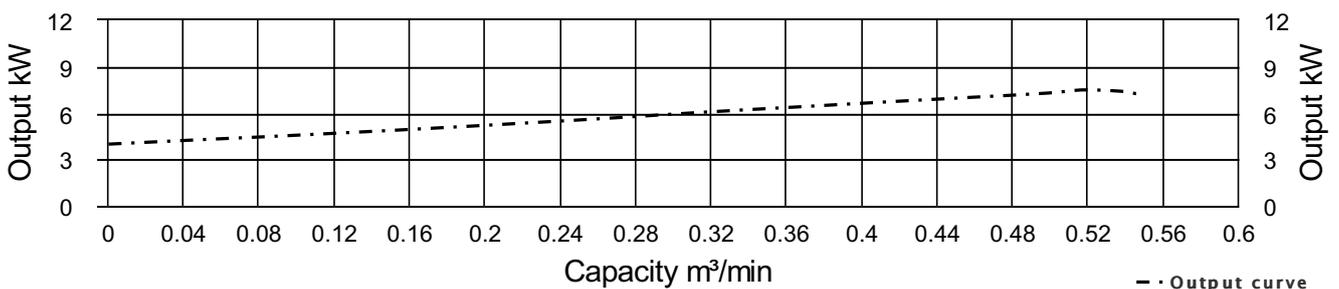
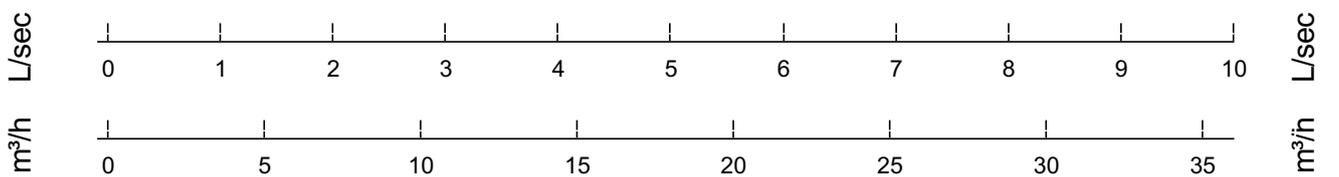
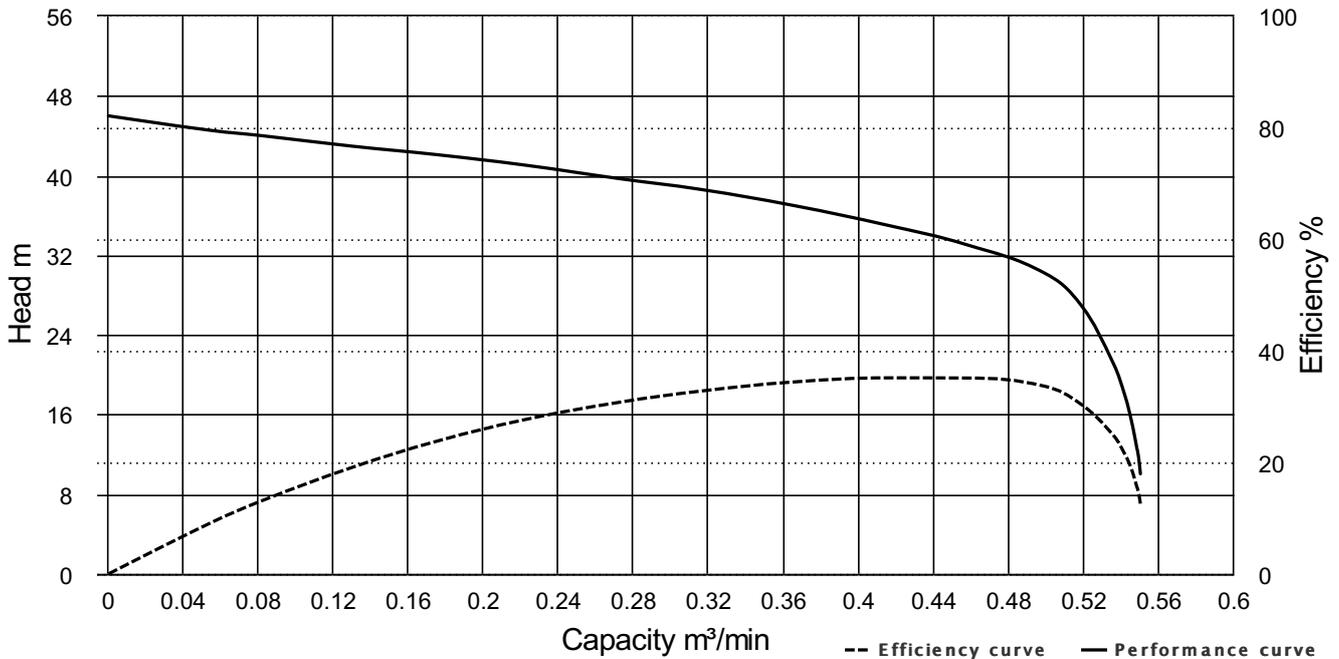
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50GF27.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	10 HP / 7.5 kW						
Std. Head	35 m						
Std. Capacity	0.4 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	27.6 A	15.7 A	15.2 A	15.2 A	12.2 A		
Pole / rpm	2 P / 2900 rpm						
Start Method	DOL						
Insulation Class	H						



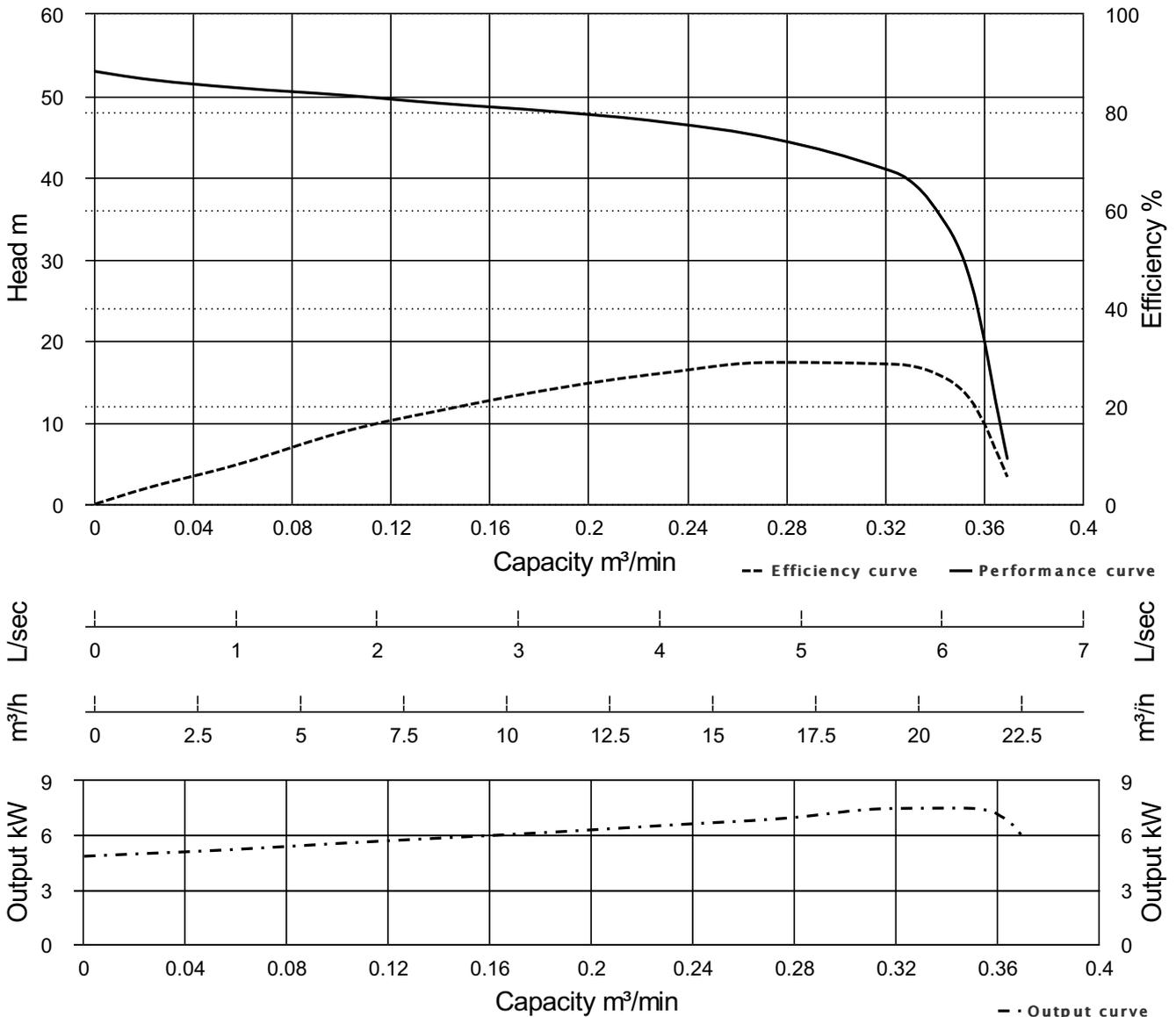
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50GF27.5H					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	10 HP / 7.5 kW						
Std. Head	46 m						
Std. Capacity	0.25 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	27.6 A	15.7 A	15.2 A	15.2 A	12.2 A		
Pole / rpm	2 P / 2900 rpm						
Start Method	DOL						
Insulation Class	H						



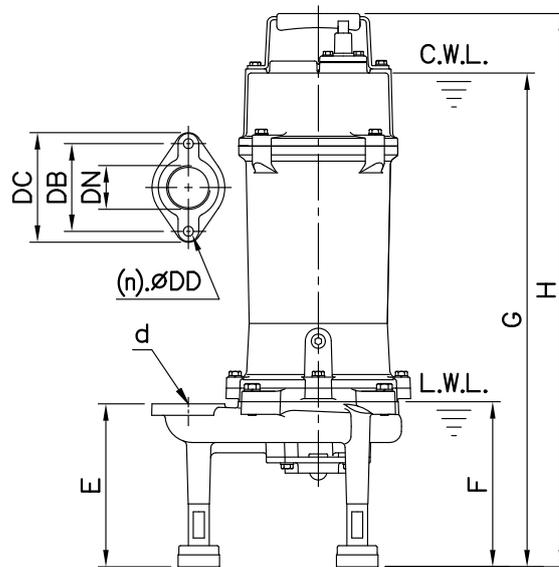
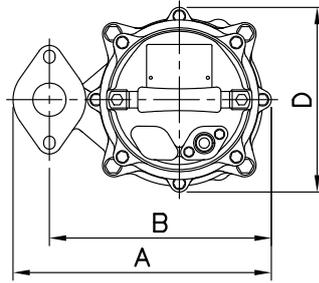
HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS

NO: SFGF0210032-00

MODEL: 32GF21.0

1Ø / 3Ø



Flange		
Female Thread		
PT	PF	NPT

Dimensions-mm

Weight:kg

Model	d	A	B	D	E	F	G	H	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
32GF21.0 1Ø	32	249	214	177	156	158	498	555	27	EF1¼-84	32	84	105	10	2	1
32GF21.0 3Ø	32	249	214	177	156	158	473	530	25	EF1¼-84	32	84	105	10	2	1

Dimensions-inch

Weight:lb

Model	d	A	B	D	E	F	G	H	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
32GF21.0 1Ø	1¼	9 ¹³ / ₁₆	8 ⁷ / ₁₆	6 ¹⁵ / ₁₆	6 ¹ / ₈	6 ¹ / ₄	19 ⁵ / ₈	21 ⁷ / ₈	60	EF1¼-84	1¼	3 ⁵ / ₁₆	4 ¹ / ₈	¾	2	1
32GF21.0 3Ø	1¼	9 ¹³ / ₁₆	8 ⁷ / ₁₆	6 ¹⁵ / ₁₆	6 ¹ / ₈	6 ¹ / ₄	18 ⁵ / ₈	20 ⁷ / ₈	55	EF1¼-84	1¼	3 ⁵ / ₁₆	4 ¹ / ₈	¾	2	1

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

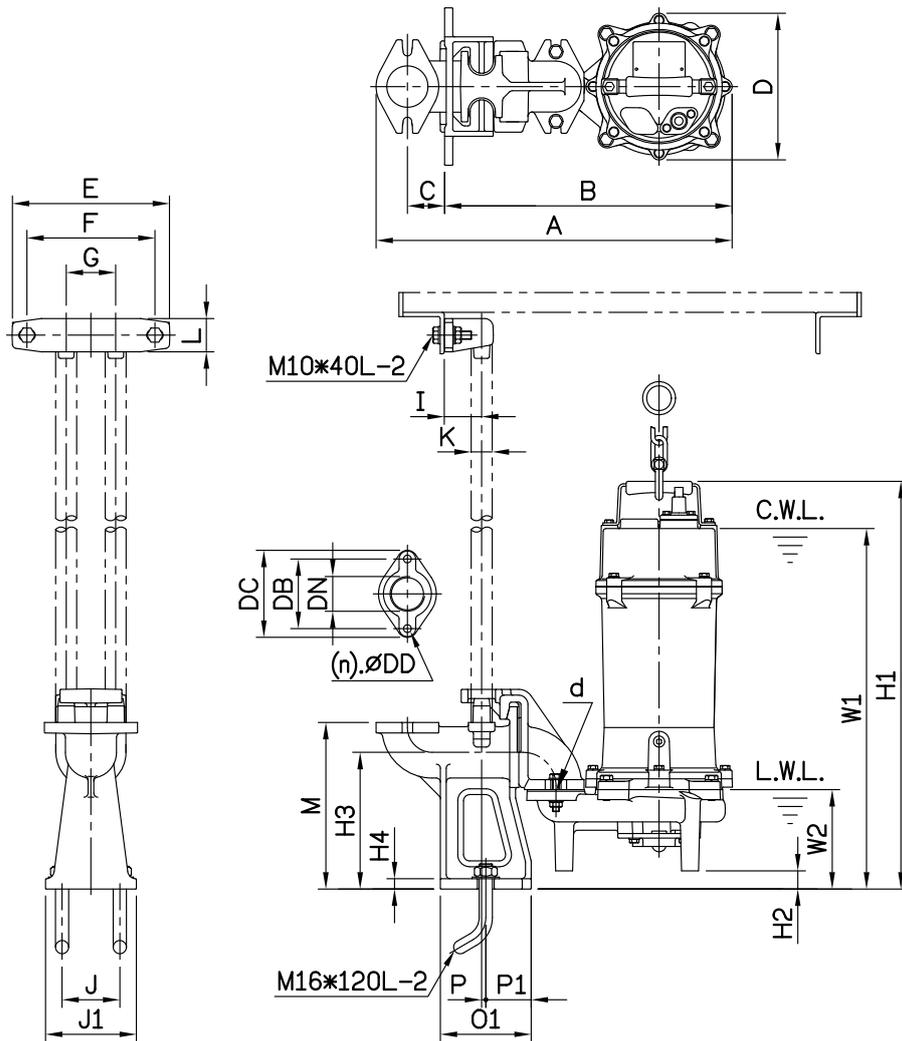
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: TFGF0210032-00

MODEL: 32GF21.0

1Ø / 3Ø



Flange		
Female Thread		
PT	PF	NPT

Dimensions-mm

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF1¼-84	32	84	105	10	2

Dimensions-inch

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF1¼-84	1¼	3⅝	4⅛	¾	2

Dimensions-mm

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
32GF21.0 1Ø	32	432	349	45	177	190	155	60	45	70	110	¾"	40	201	110	5	55	460	120	517	22	165	13	27	T2-32(50)	8
32GF21.0 3Ø	32	432	349	45	177	190	155	60	45	70	110	¾"	40	201	110	5	55	435	120	492	22	165	13	25	T2-32(50)	8

Weight:kg

Dimensions-inch

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
32GF21.0 1Ø	1¼	17	13¾	1¾	6⅞	7½	6⅞	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅞	4⅞	¾	2⅞	18⅞	4¾	20⅞	⅞	6½	½	60	T2-32(50)	18
32GF21.0 3Ø	1¼	17	13¾	1¾	6⅞	7½	6⅞	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅞	4⅞	¾	2⅞	17⅞	4¾	19⅞	⅞	6½	½	55	T2-32(50)	18

Weight:lb

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

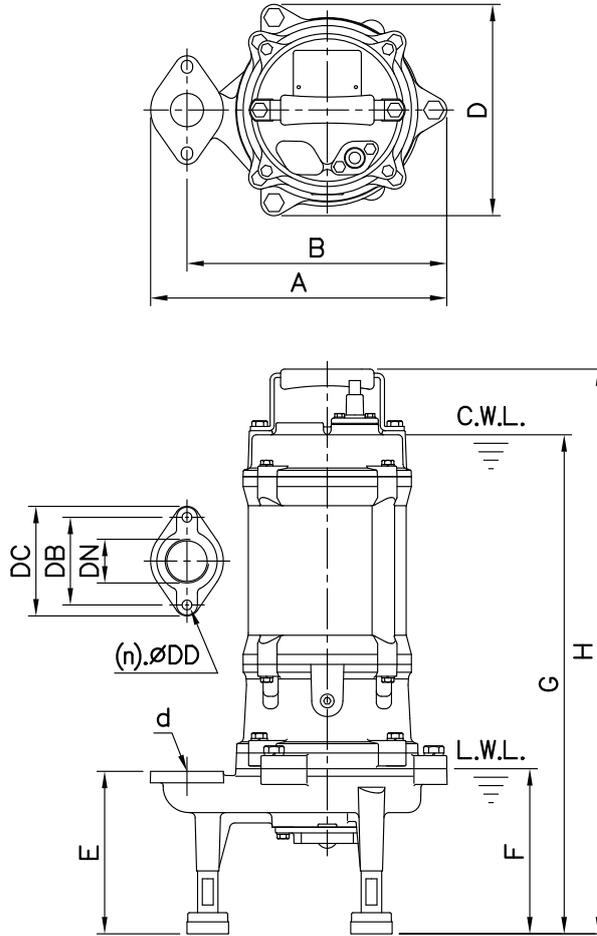
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: SFGF0222032-00

MODEL: 32GF21.5 / 22.2 / 21.5H

1Ø / 3Ø



Flange		
	Female Thread	
PT	PF	NPT

Dimensions—mm

Weight:kg

Model	d	A	B	D	E	F	G	H	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
32GF21.5 1Ø	32	285	250	203	156	158	533	596	36	EF1¼-84	32	84	105	10	2	1
32GF22.2 1Ø	32	285	250	203	156	158	560	623	38	EF1¼-84	32	84	105	10	2	1
32GF21.5H 1Ø	32	285	250	203	156	158	533	596	36	EF1¼-84	32	84	105	10	2	1
32GF21.5 3Ø	32	285	250	203	156	158	478	541	32	EF1¼-84	32	84	105	10	2	1
32GF22.2 3Ø	32	285	250	203	156	158	478	541	35	EF1¼-84	32	84	105	10	2	1
32GF21.5H 3Ø	32	285	250	203	156	158	478	541	32	EF1¼-84	32	84	105	10	2	1

Dimensions—inch

Weight:lb

Model	d	A	B	D	E	F	G	H	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
32GF21.5 1Ø	1¼	11¼	9¾	8	6½	6¼	21	23¾	79	EF1¼-84	1¼	3⅝	4⅜	¾	2	1
32GF22.2 1Ø	1¼	11¼	9¾	8	6½	6¼	22½	24½	84	EF1¼-84	1¼	3⅝	4⅜	¾	2	1
32GF21.5H 1Ø	1¼	11¼	9¾	8	6½	6¼	21	23¾	79	EF1¼-84	1¼	3⅝	4⅜	¾	2	1
32GF21.5 3Ø	1¼	11¼	9¾	8	6½	6¼	18¾	21½	71	EF1¼-84	1¼	3⅝	4⅜	¾	2	1
32GF22.2 3Ø	1¼	11¼	9¾	8	6½	6¼	18¾	21½	77	EF1¼-84	1¼	3⅝	4⅜	¾	2	1
32GF21.5H 3Ø	1¼	11¼	9¾	8	6½	6¼	18¾	21½	71	EF1¼-84	1¼	3⅝	4⅜	¾	2	1

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

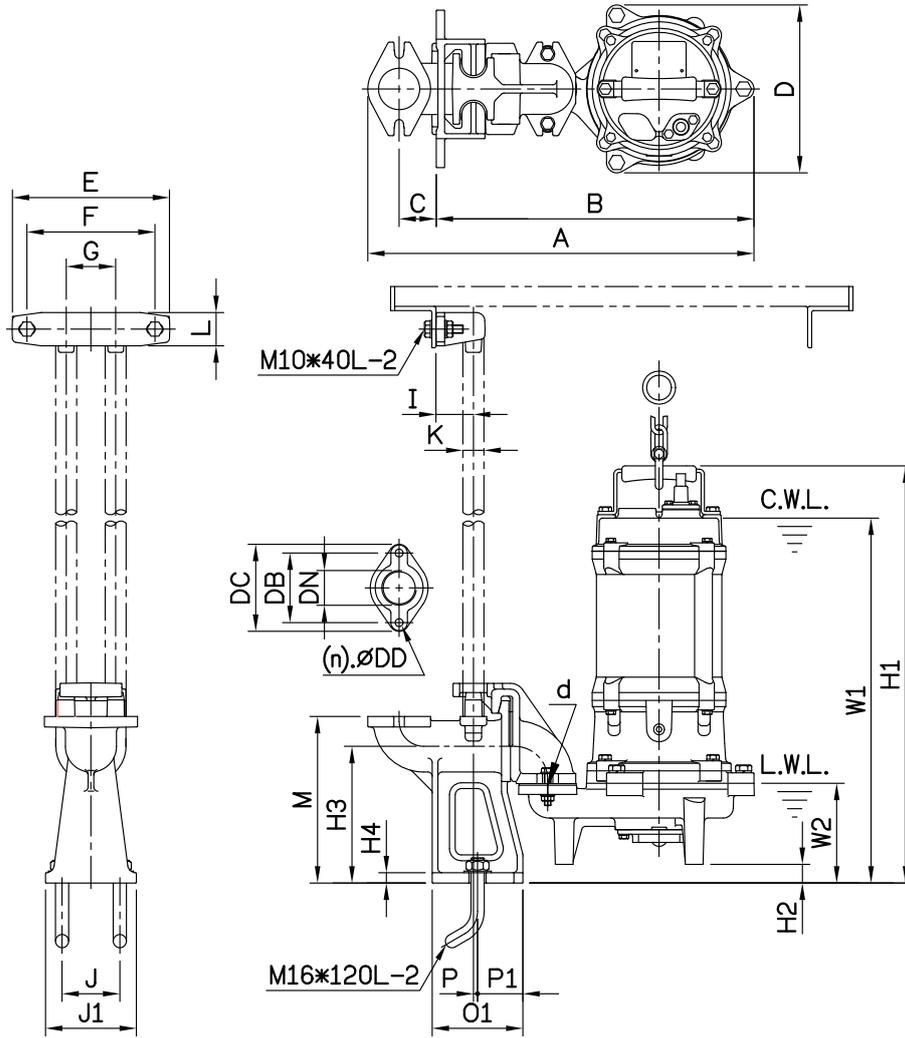
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: TFGF0222032-00

MODEL: 32GF21.5 / 22.2 / 21.5H

1Ø / 3Ø



Flange		
Female Thread		
PT	PF	NPT

Dimensions—mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF1¼-84	32	84	105	10	2

Dimensions—inch

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF1¼-84	1 ¼	3 ¾	4 ½	¾	2

Dimensions—mm

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
32GF21.5 1Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	495	120	558	22	165	13	36	T2-32(50)	8
32GF22.2 1Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	522	120	585	22	165	13	38	T2-32(50)	8
32GF21.5H 1Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	495	120	558	22	165	13	36	T2-32(50)	8
32GF21.5 3Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	440	120	503	23	165	13	32	T2-32(50)	8
32GF22.2 3Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	440	120	503	23	165	13	35	T2-32(50)	8
32GF21.5H 3Ø	32	468	385	45	203	190	155	60	45	70	110	¾"	40	201	110	5	55	440	120	503	23	165	13	32	T2-32(50)	8

Weight:kg

Dimensions—inch

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
32GF21.5 1Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	19 ½	4 ¾	21 15/16	7/8	6 ½	½	79	T2-32(50)	18
32GF22.2 1Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	20 9/16	4 ¾	23 1/16	7/8	6 ½	½	84	T2-32(50)	18
32GF21.5H 1Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	19 ½	4 ¾	21 15/16	7/8	6 ½	½	79	T2-32(50)	18
32GF21.5 3Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	17 9/16	4 ¾	19 3/16	7/8	6 ½	½	71	T2-32(50)	18
32GF22.2 3Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	17 5/16	4 ¾	19 3/16	7/8	6 ½	½	77	T2-32(50)	18
32GF21.5H 3Ø	1 ¼	18 1/16	15 3/16	1 ¾	8	7 ½	6 ⅞	2 ⅞	1 ¾	2 ¾	4 5/16	¾	1 9/16	7 15/16	4 7/16	¾	2 3/16	17 5/16	4 ¾	19 3/16	7/8	6 ½	½	71	T2-32(50)	18

Weight:lb

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

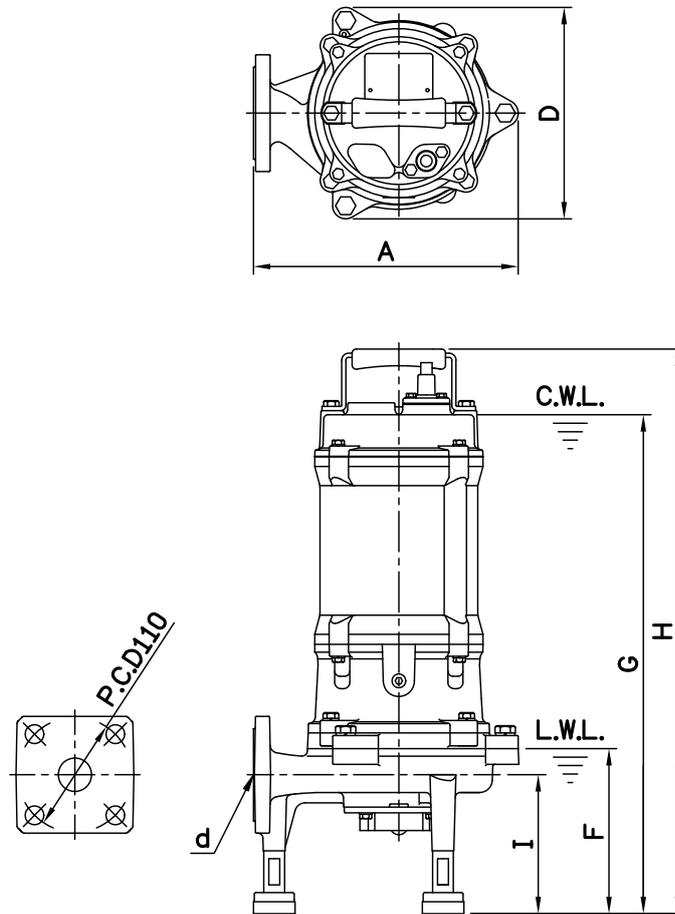
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: SGGF0222032-00

MODEL: 32GF21.5 / 22.2 / 21.5HDN40

1Ø / 3Ø



Dimensions-mm Weight:kg

Model	d	A	D	I	F	G	H	WT1
32GF21.5DN40 1Ø	32	255	203	133	158	533	596	36
32GF21.5DN40 3Ø	32	255	203	133	158	478	541	32
32GF22.2DN40 1Ø	32	255	203	133	158	560	623	39
32GF22.2DN40 3Ø	32	255	203	133	158	478	541	36
32GF21.5HDN40 1Ø	32	255	203	133	158	533	596	36
32GF21.5HDN40 3Ø	32	255	203	133	158	478	541	32

Dimensions-inch Weight:lb

Model	d	A	D	I	F	G	H	WT1
32GF21.5DN40 1Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	21	23 7 ₁₆	79
32GF21.5DN40 3Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	18 3 ₁₆	21 5 ₁₆	71
32GF22.2DN40 1Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	22 3 ₁₆	24 7 ₁₆	86
32GF22.2DN40 3Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	18 3 ₁₆	21 5 ₁₆	79
32GF21.5HDN40 1Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	21	23 7 ₁₆	79
32GF21.5HDN40 3Ø	1 ¼	10 ¼ ₁₆	8	5 ¼	6 ¼	18 3 ₁₆	21 5 ₁₆	71

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

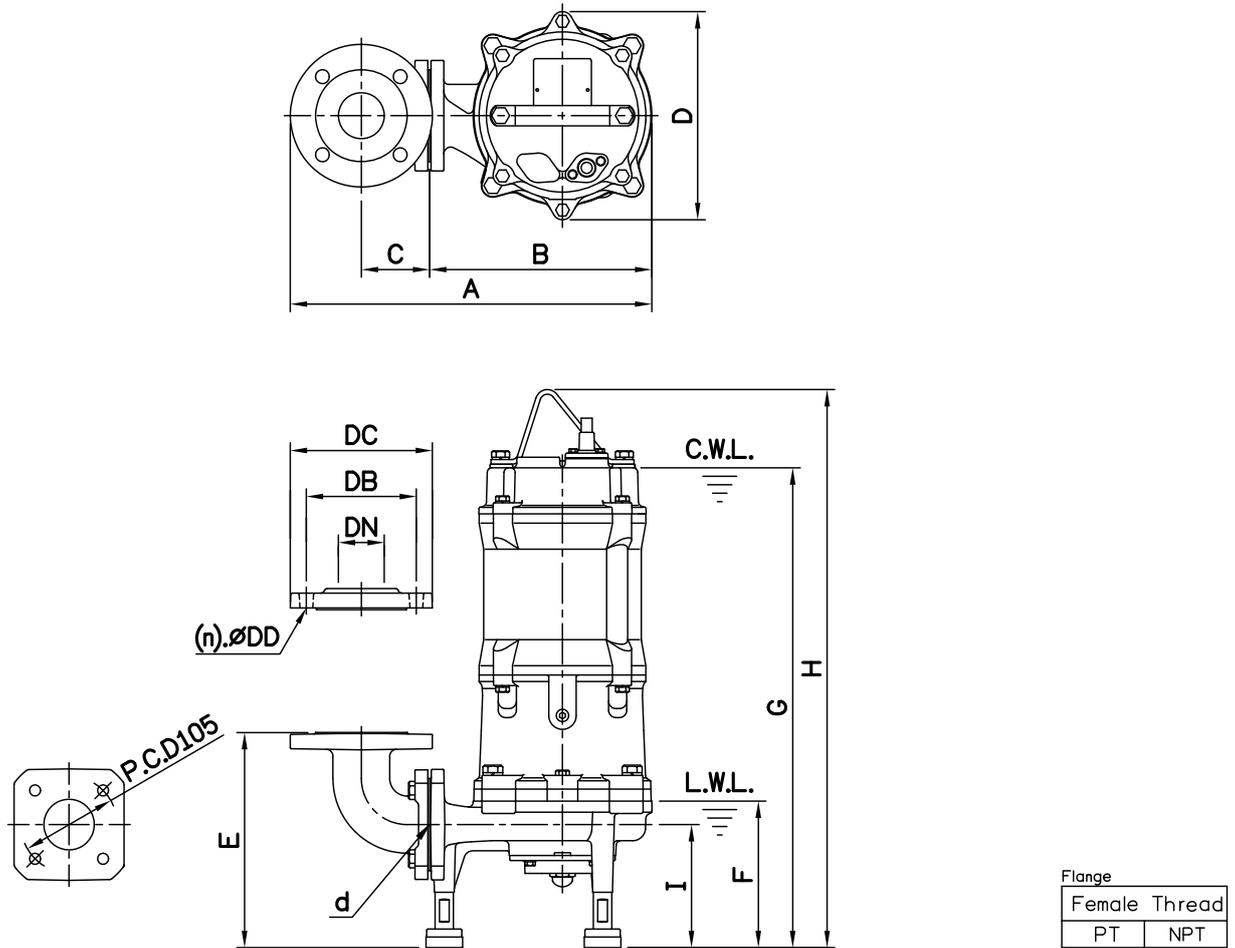
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: S2GF0237032-01

MODEL: 50GF22.2 / 23.7

3Ø



Dimensions-mm

Weight:kg

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF22.2	50	395	243	75	226	234	160	521	606	134	44	EB2-120	50	120	155	15	4	6
50GF23.7	50	395	243	75	226	234	160	541	626	134	47	EB2-120	50	120	155	15	4	6

Dimensions-inch

Weight:lb

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF22.2	2	15 ⁵ / ₁₆	9 ³ / ₁₆	2 ⁵ / ₁₆	8 ⁷ / ₁₆	9 ³ / ₁₆	6 ⁵ / ₁₆	20 ¹ / ₂	23 ⁷ / ₈	5 ¹ / ₄	97	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	³ / ₁₆	4	13
50GF23.7	2	15 ⁵ / ₁₆	9 ³ / ₁₆	2 ⁵ / ₁₆	8 ⁷ / ₁₆	9 ³ / ₁₆	6 ⁵ / ₁₆	21 ⁵ / ₁₆	24 ⁵ / ₈	5 ¹ / ₄	104	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	³ / ₁₆	4	13

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

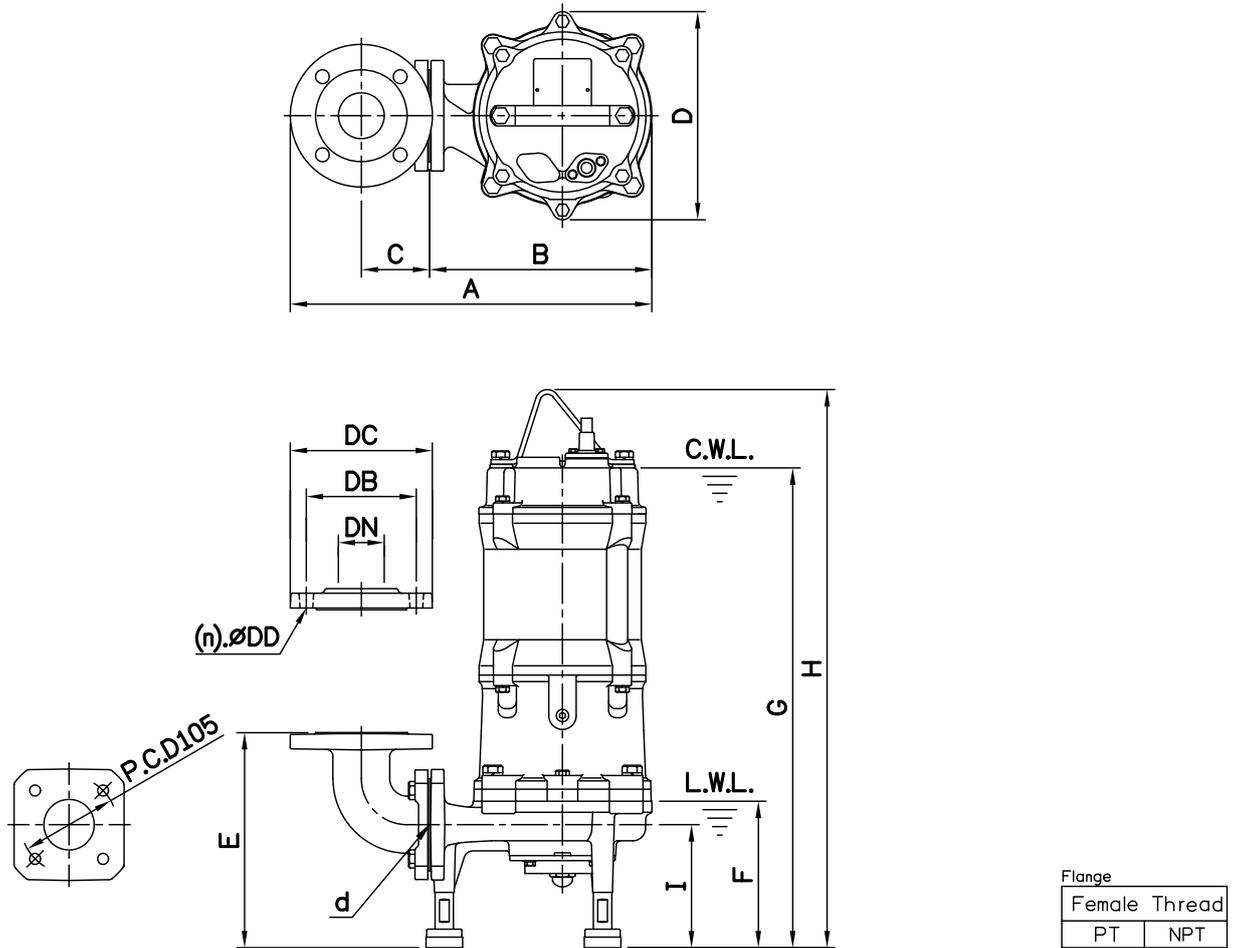
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: S2GF0237032-01

MODEL: 50GF22.2 / 23.7

3Ø



Dimensions-mm

Weight:kg

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF22.2	50	395	243	75	226	234	160	521	606	134	44	EB2-120	50	120	155	15	4	6
50GF23.7	50	395	243	75	226	234	160	541	626	134	47	EB2-120	50	120	155	15	4	6

Dimensions-inch

Weight:lb

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF22.2	2	15 ⁵ / ₁₆	9 ³ / ₁₆	2 ⁵ / ₁₆	8 ⁷ / ₁₆	9 ³ / ₁₆	6 ³ / ₁₆	20 ¹ / ₂	23 ⁷ / ₈	5 ¹ / ₄	97	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	³ / ₁₆	4	13
50GF23.7	2	15 ⁵ / ₁₆	9 ³ / ₁₆	2 ⁵ / ₁₆	8 ⁷ / ₁₆	9 ³ / ₁₆	6 ³ / ₁₆	21 ⁵ / ₁₆	24 ⁵ / ₈	5 ¹ / ₄	104	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	³ / ₁₆	4	13

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

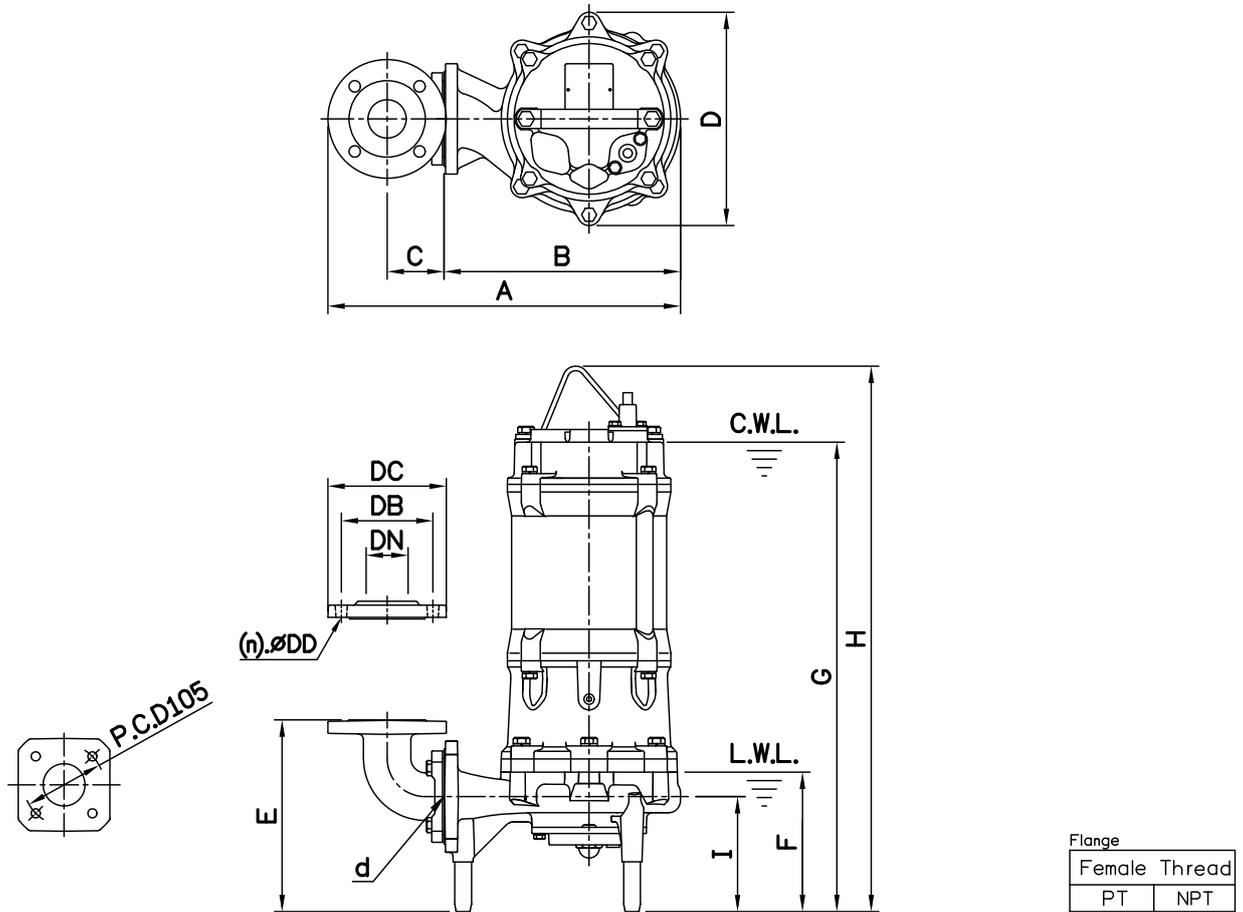
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: S2GF0275030-00

MODEL: 50GF25.5 / 25.5H / 27.5 / 27.5H

50Hz 3Ø



Dimensions—mm

Weight:kg

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF25.5 3Ø	50	447	295	75	279	250	182	612	711	150	73	EB2-120	50	120	155	15	4	6
50GF27.5 3Ø	50	462	310	75	279	250	182	612	711	150	80	EB2-120	50	120	155	15	4	6
50GF25.5H 3Ø	50	462	310	75	279	250	182	612	711	150	74	EB2-120	50	120	155	15	4	6
50GF27.5H 3Ø	50	462	310	75	279	250	182	612	711	150	80	EB2-120	50	120	155	15	4	6

Dimensions—inch

Weight:lb

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
50GF25.5 3Ø	2	17 ⁵ / ₈	11 ⁵ / ₈	2 ¹⁵ / ₁₆	11	9 ¹³ / ₁₆	7 ³ / ₁₆	24 ¹ / ₈	28	5 ⁷ / ₈	161	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	⁹ / ₁₆	4	13
50GF27.5 3Ø	2	18 ³ / ₁₆	12 ³ / ₁₆	2 ¹⁵ / ₁₆	11	9 ¹³ / ₁₆	7 ³ / ₁₆	24 ¹ / ₈	28	5 ⁷ / ₈	176	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	⁹ / ₁₆	4	13
50GF25.5H 3Ø	2	18 ³ / ₁₆	12 ³ / ₁₆	2 ¹⁵ / ₁₆	11	9 ¹³ / ₁₆	7 ³ / ₁₆	24 ¹ / ₈	28	5 ⁷ / ₈	163	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	⁹ / ₁₆	4	13
50GF27.5H 3Ø	2	18 ³ / ₁₆	12 ³ / ₁₆	2 ¹⁵ / ₁₆	11	9 ¹³ / ₁₆	7 ³ / ₁₆	24 ¹ / ₈	28	5 ⁷ / ₈	176	EB2-120	2	4 ³ / ₄	6 ¹ / ₈	⁹ / ₁₆	4	13

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

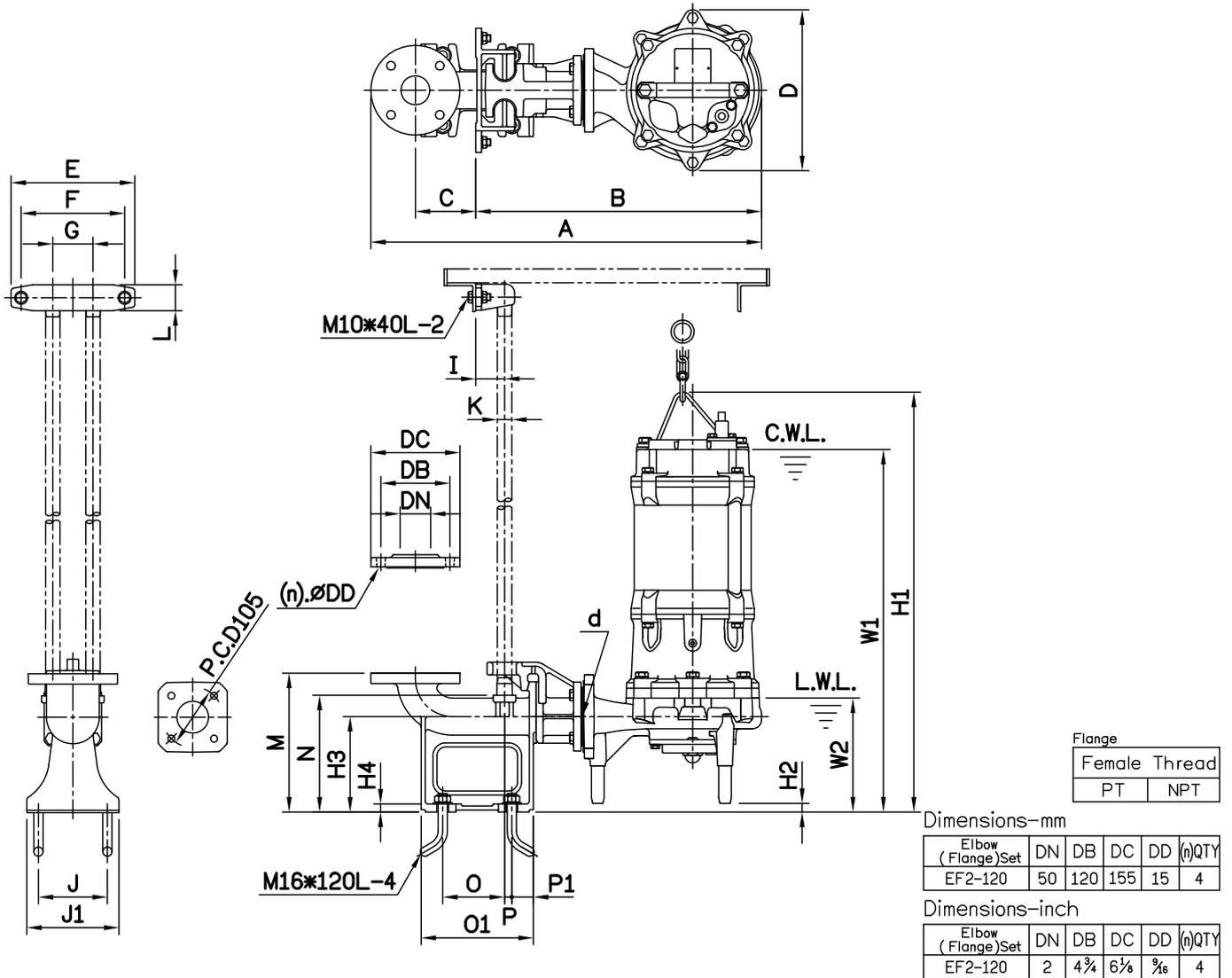
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T2GF0275030-00

MODEL: 50GF25.5 / 25.5H / 27.5 / 27.5H

50Hz 3Ø



Dimensions—mm

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
50GF25.5 3Ø	50	665	482	105	279	215	180	70	50	120	160	1"	45	240	202	108	195	13	38	627	197	726	15	165	14	73	T50G	19
50GF27.5 3Ø	50	679	497	105	279	215	180	70	50	120	160	1"	45	240	202	108	195	13	38	627	197	726	15	165	14	80	T50G	19
50GF25.5H 3Ø	50	679	497	105	279	215	180	70	50	120	160	1"	45	240	202	108	195	13	38	627	197	726	15	165	14	74	T50G	19
50GF27.5H 3Ø	50	679	497	105	279	215	180	70	50	120	160	1"	45	240	202	108	195	13	38	627	197	726	15	165	14	80	T50G	19

Weight:kg

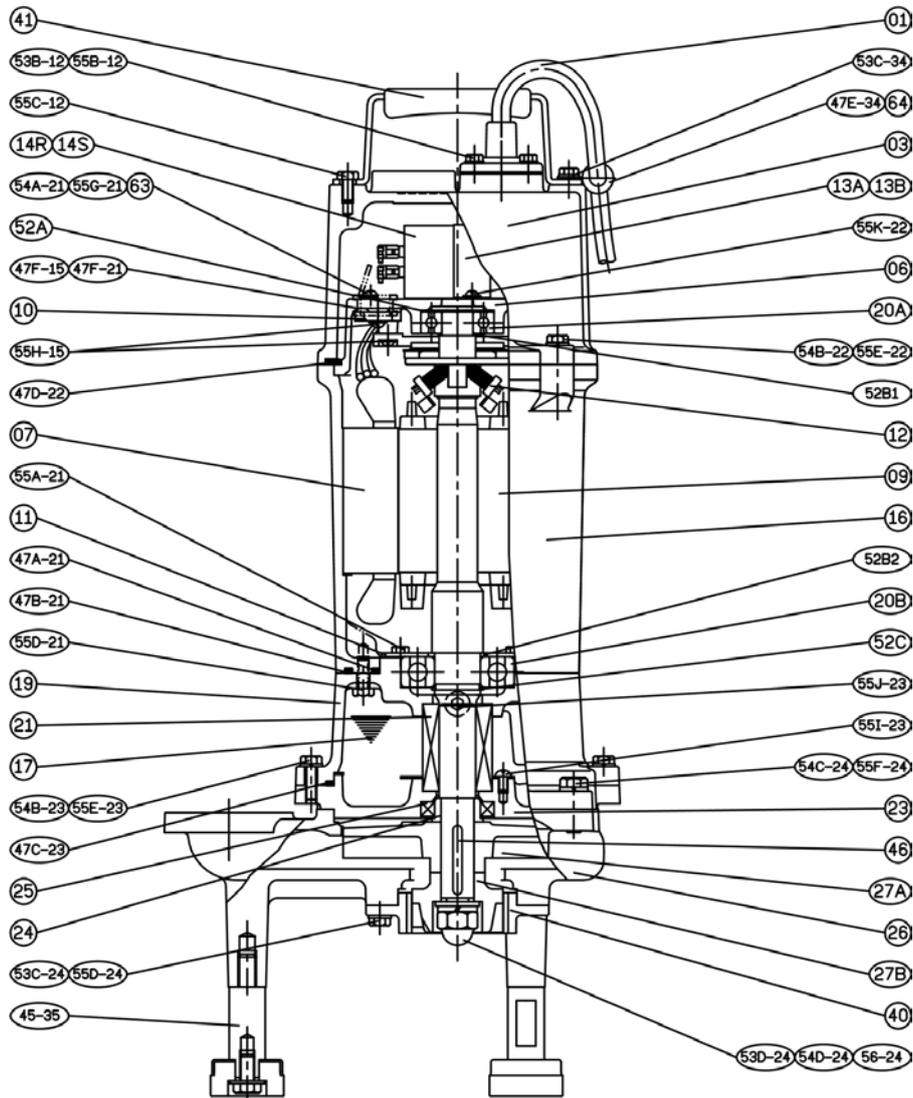
Dimensions—inch

Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
50GF25.5 3Ø	2	26⅜	19	4⅜	11	8⅞	7⅞	2¾	1⅝	4¾	6⅝	1	1¾	9⅞	7⅝	4¼	7⅞	½	1½	24⅞	7¾	28⅞	⅝	6½	⅝	161	T50G	42
50GF27.5 3Ø	2	26¾	19⅝	4⅜	11	8⅞	7⅞	2¾	1⅝	4¾	6⅝	1	1¾	9⅞	7⅝	4¼	7⅞	½	1½	24⅞	7¾	28⅞	⅝	6½	⅝	176	T50G	42
50GF25.5H 3Ø	2	26¾	19⅝	4⅜	11	8⅞	7⅞	2¾	1⅝	4¾	6⅝	1	1¾	9⅞	7⅝	4¼	7⅞	½	1½	24⅞	7¾	28⅞	⅝	6½	⅝	163	T50G	42
50GF27.5H 3Ø	2	26¾	19⅝	4⅜	11	8⅞	7⅞	2¾	1⅝	4¾	6⅝	1	1¾	9⅞	7⅝	4¼	7⅞	½	1½	24⅞	7¾	28⅞	⅝	6½	⅝	176	T50G	42

Weight:lb

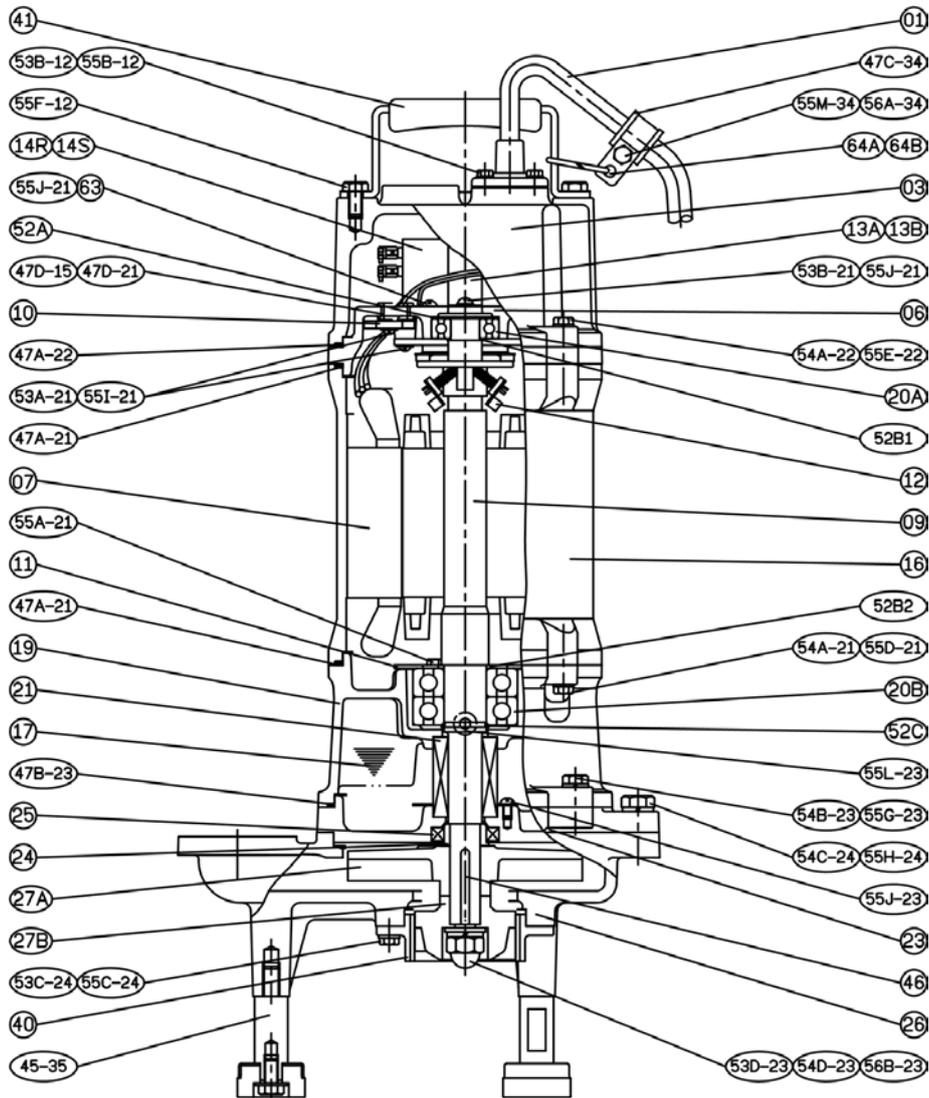
C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight



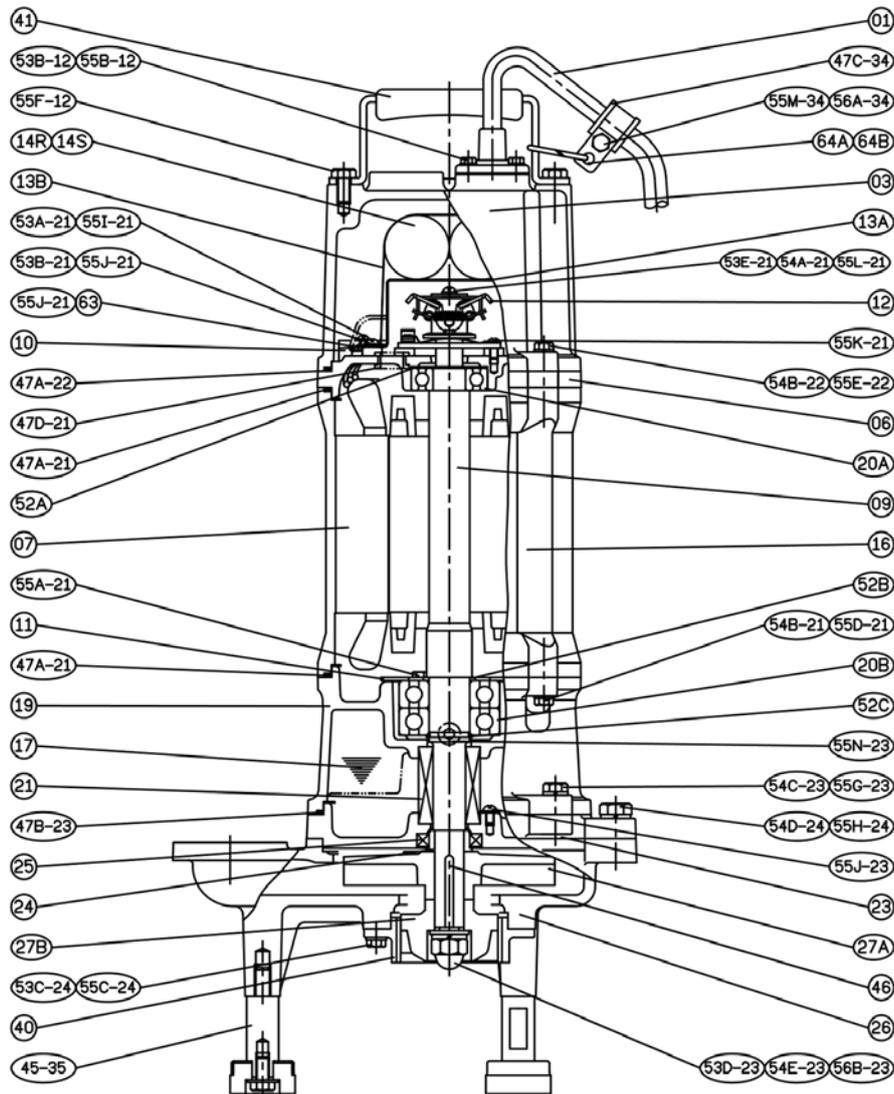
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



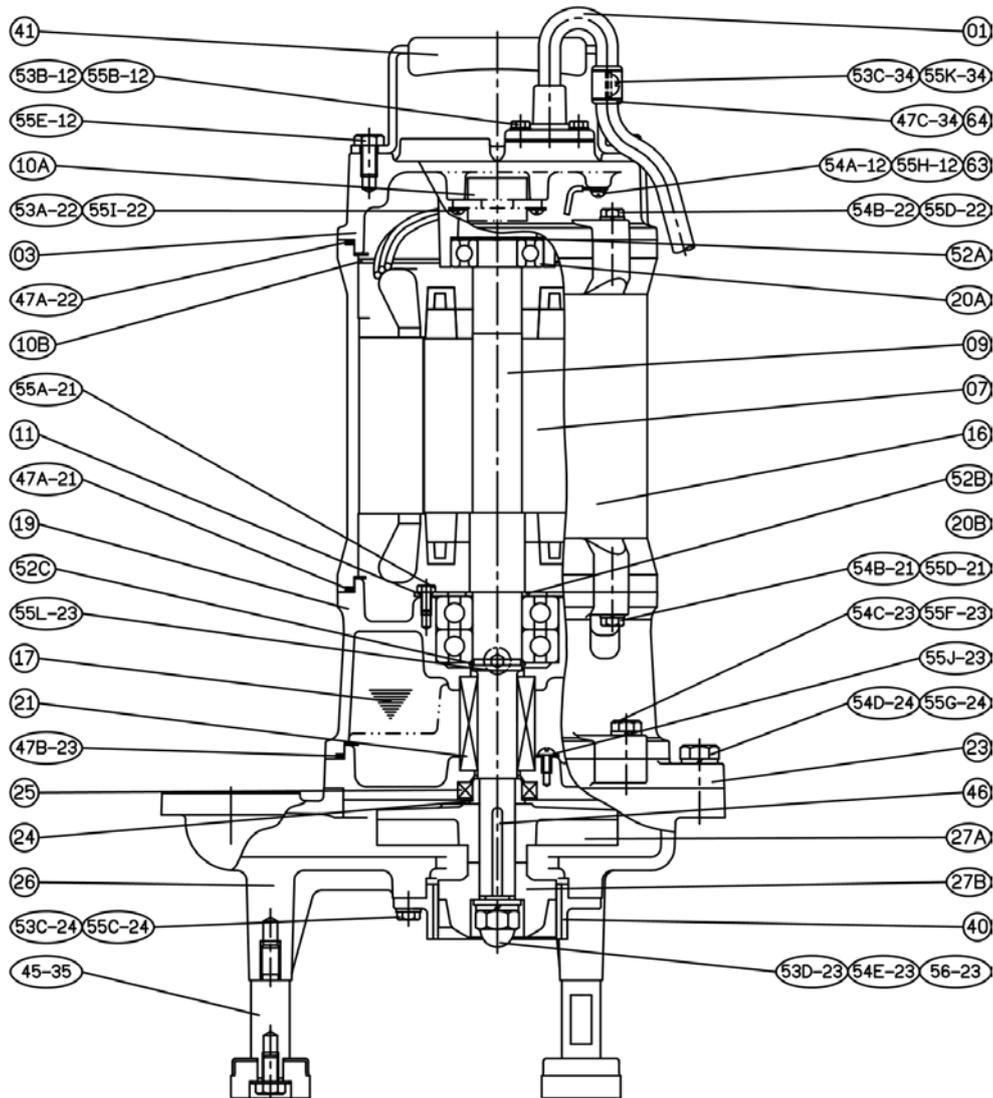
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



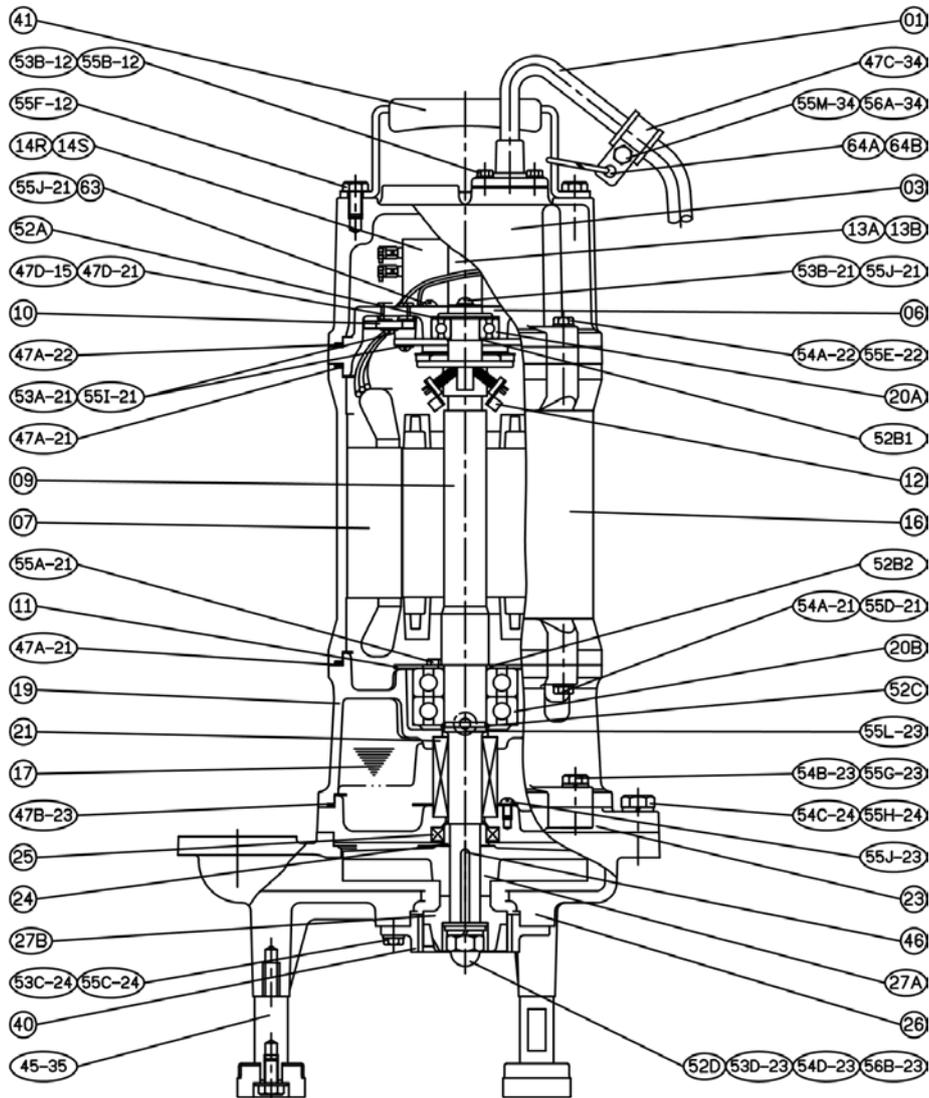
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



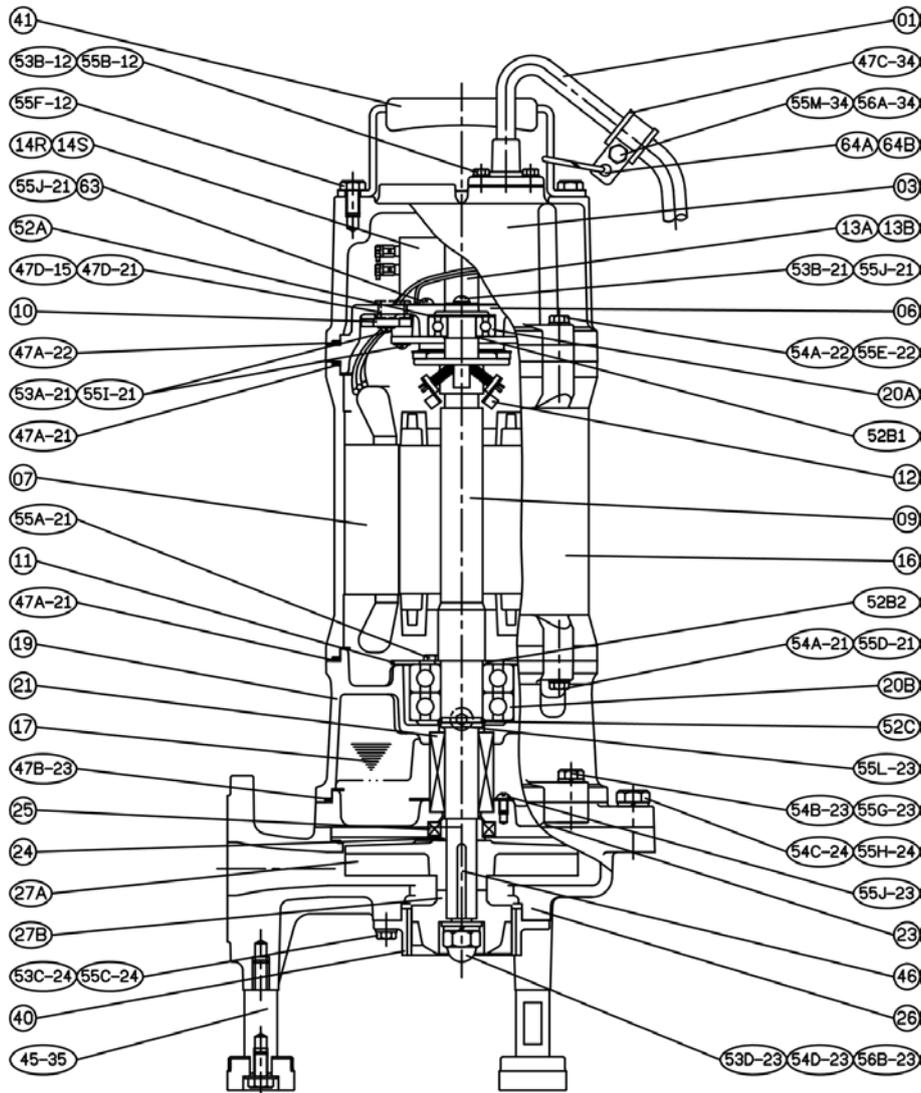
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10A	Auto-cut Protector		1
10B	Protective Plate		1
11	Bearing Fixer	SPCC	1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



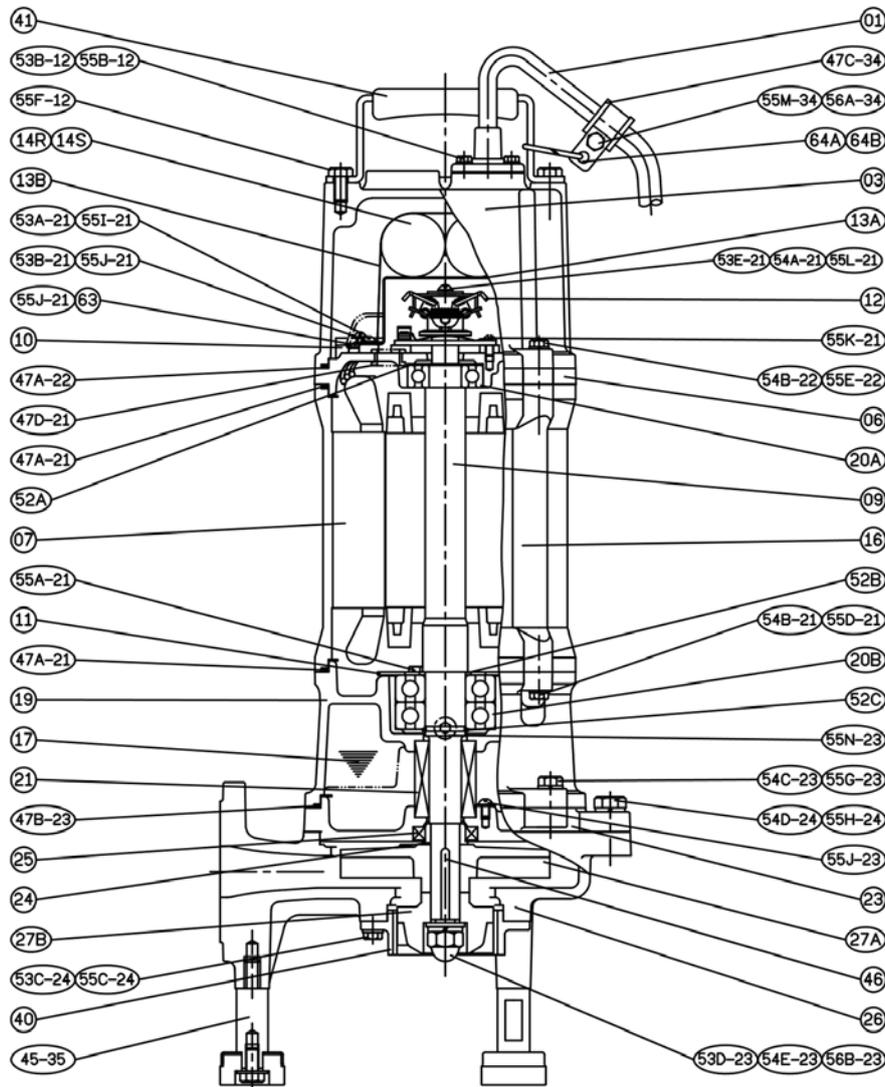
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
05	Outlet Disk	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
23	M. Seal Bracket	FC200	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27A	Impeller	FC200	1
27B	Radial Cutter	SUS440C	1
40	Cutter Ring	SUS440C	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



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