

A SERIES

SUBMERSIBLE WASTEWATER / SUMP PUMPS

POWER : 0.5~1HP (0.4~0.75kW)
MAX.HEAD : 15m(49feet)
MAX.FLOW : 0.6m³/min (36m³/h)



PRODUCT NOMENCLATURE

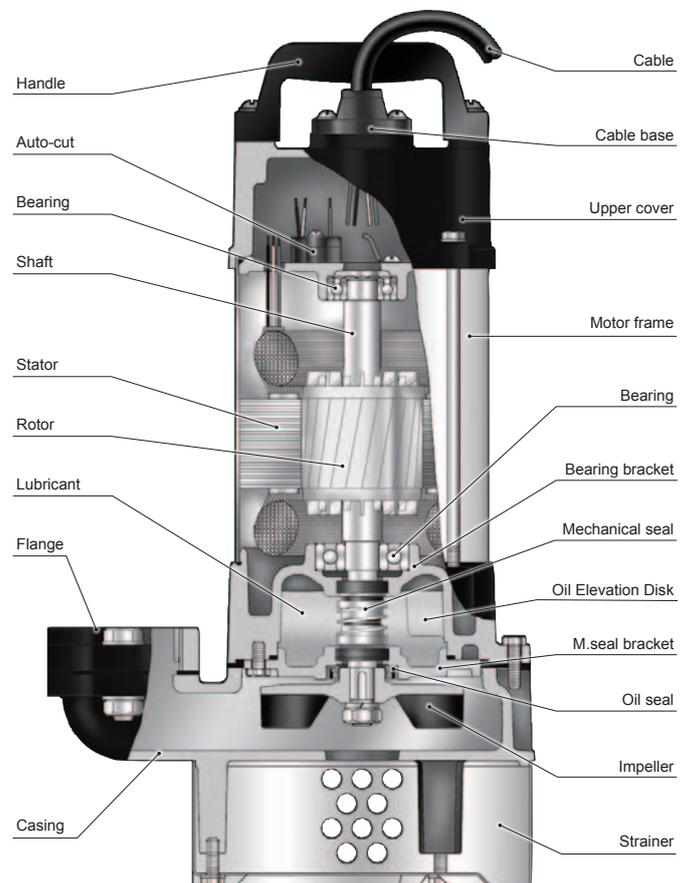
Example : $\frac{A}{\text{Type}} - \frac{2}{\text{Discharge inch}} \frac{1}{\text{HP}}$

FEATURE

- A precision manufacture assembling lines, complimented with a synthetic production test to ensure each IP68 motor with highest level of final pump quality.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and lip seal design.
- Oil Elevation Disk design in the oil chamber to ensure the mechanical seals lubrication and to extend the service life of pump.
- Lightweight, portable and durable for wide range of uses.
- A-05A is a practical pump, with a low temperature, oil filled motor and single mechanical seal design (CA/CE).

APPLICATIONS

- Sump drainage.
- Flood control.
- Water features.
- Dewatering fishpond, basement, cellars.



A SERIES SUBMERSIBLE WASTEWATER / SUMP PUMPS

A-05A · A-05B · A-05L · A-21 · A-31

SPECIFICATIONS

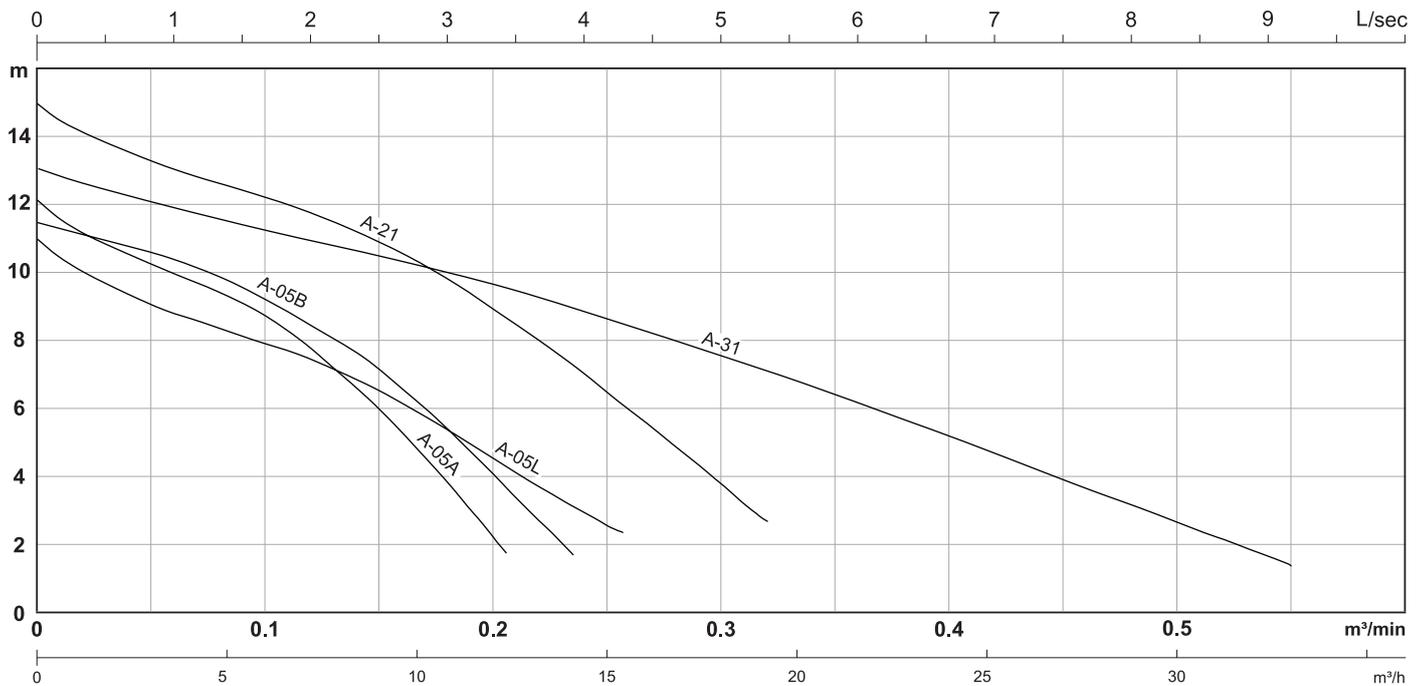
Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Clean / Dirty Water From Sumps, Basins and Tanks
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor(A-05A:Oil Motor)
	Insulation	Class B
	Protection	IP68
	Protector	Auto-cut (0.5HP 1Ø:Thermal)
	Bearing	Ball type
	M.seal	Double M.seals(A-05A:Single M.seals)
Material	Impeller	Vortex
	Upper Cover	FC200
	Motor Frame	SUS304
	Shaft	SUS410
	M.seal	CA/CE & SiC/SiC(A-05A:CA/CE)
	Casing	FC200
	Impeller	FC200(A-05A/B:PA)
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



U type Vortex Impeller

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
A-05A	0.5(0.4)	2"(50)	8-0.12	8-7.2	12-0.24	12-14.4	7.5(1/4")	12(26)	—	Full load Ampere	3.1	3.0	—	—	—	—	—
A-05B	0.5(0.4)	2"(50)	8-0.12	8-7.2	11.5-0.24	11.5-14.4	7.5(1/4")	13(29)	12(26)		2.9	2.8	2.0	1.2	1.1	1.1	0.9
A-05L	0.5(0.4)	2"(50)	6.5-0.15	6.5-9	11-0.28	11-16.8	10(3/8")	16(35)	14(31)		3.4	3.3	2.3	1.4	1.3	1.3	1.1
A-21	1(0.75)	2"(50)	10-0.17	10-10.2	15-0.34	15-20.4	10(3/8")	17(37)	15(33)		5.4	5.2	3.3	2.0	1.9	1.8	1.4
A-31	1(0.75)	3"(80)	7-0.3	7-18	13-0.6	13-36	10(3/8")	18(40)	17(37)		5.4	5.2	3.3	2.0	1.9	1.8	1.4

PERFORMANCE CURVES



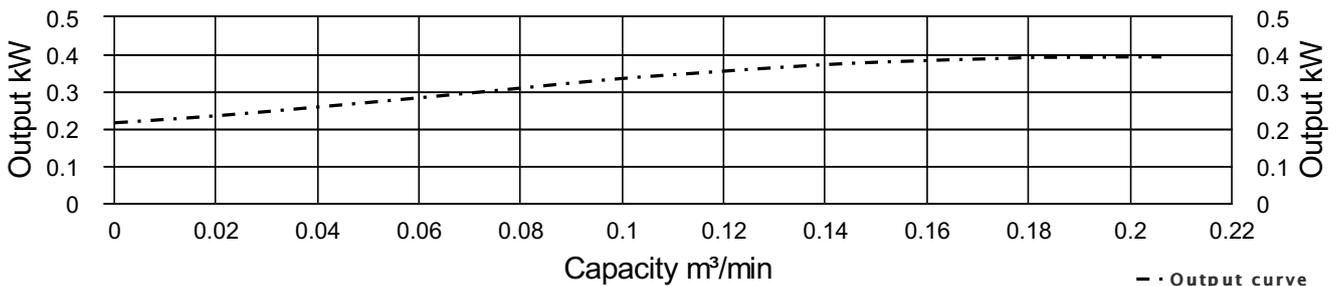
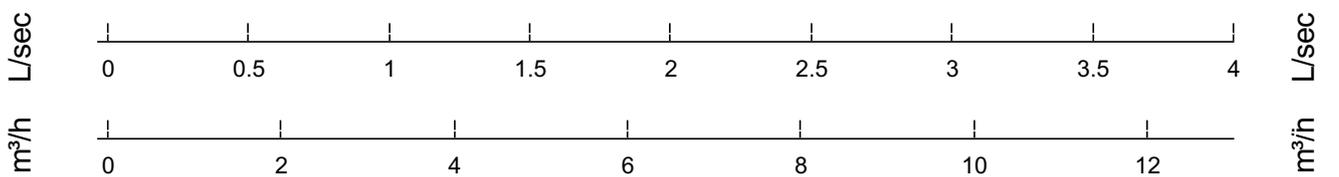
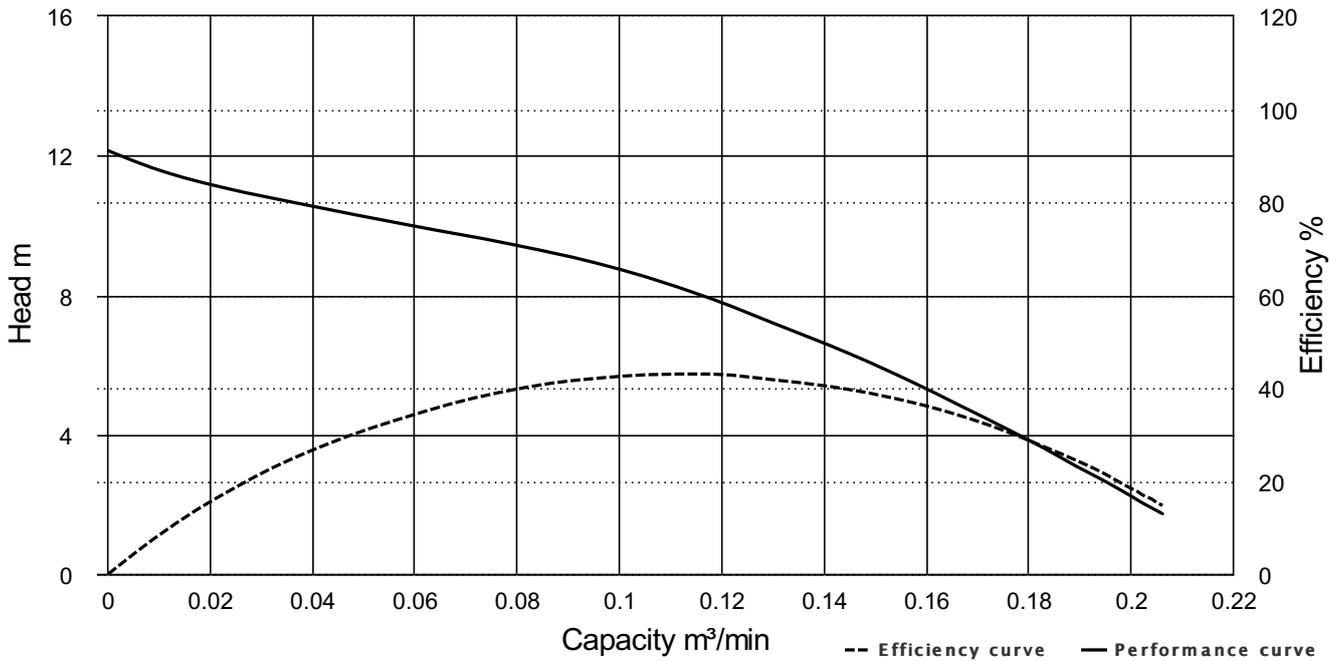
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min										Q:L/sec	H:m									
			0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.5	1	2		3	4	5	6	7	8				
A-05A	0.5(0.4)	2"(50)	10.3	8.7	6.0	2.2	—	—	—	—	—	—	—	—	10.0	7.8	3.8	—	—	—	—	—	—
A-05B	0.5(0.4)	2"(50)	10.6	9.4	7.1	4.1	—	—	—	—	—	—	—	—	10.3	8.5	5.2	—	—	—	—	—	—
A-05L	0.5(0.4)	2"(50)	9.1	7.9	6.5	4.4	2.6	—	—	—	—	—	—	—	8.8	7.5	5.3	2.9	—	—	—	—	—
A-21	1(0.75)	2"(50)	11.3	12.2	10.9	9.0	6.5	3.6	—	—	—	—	—	—	13.1	11.8	9.9	6.9	3.6	—	—	—	—
A-31	1(0.75)	3"(80)	12.1	11.2	10.5	9.6	8.6	7.5	5.1	2.6	—	—	—	—	11.9	10.9	10.0	8.8	7.5	6.0	4.6	3.1	—



HCP PUMP

PUMP PERFORMANCE CURVES

Model	A-05A				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 m³/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						



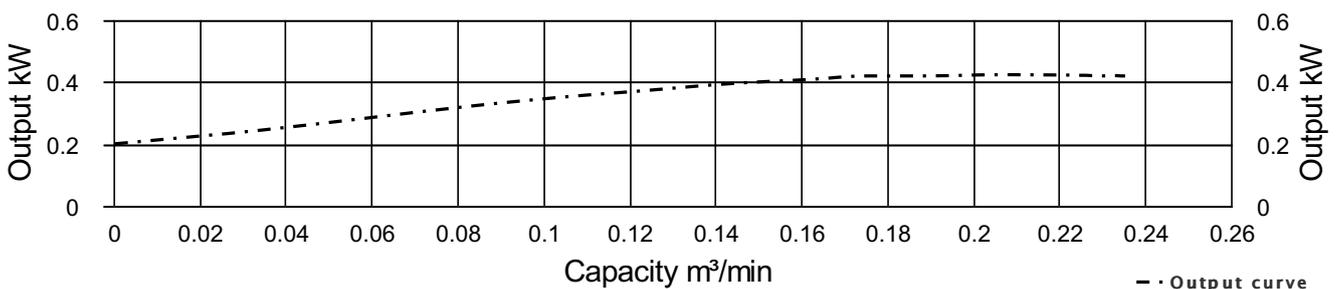
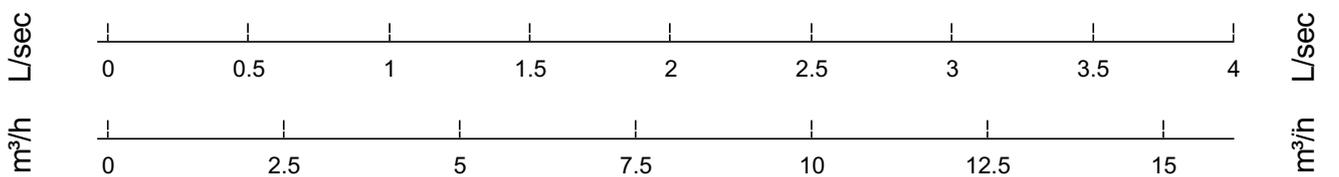
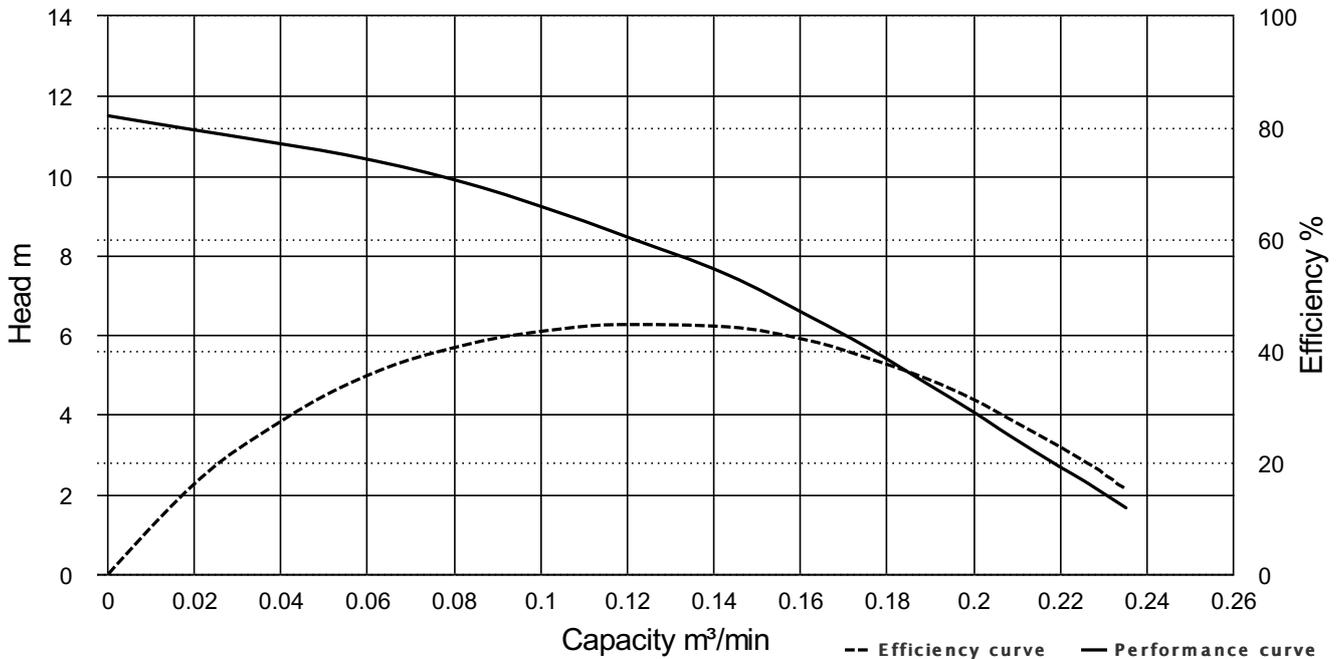
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	A-05B				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 m³/min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	5.8 A	2.9 A	2.8 A	2.7 A			
Pole / rpm	2 P / 2780 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



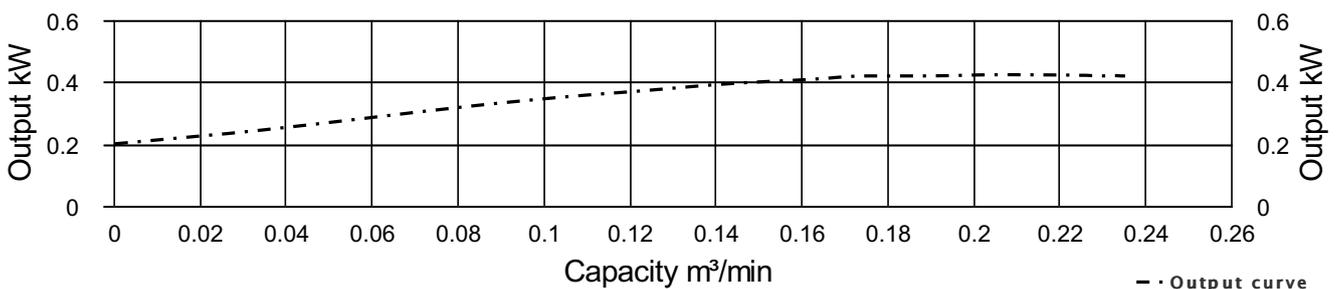
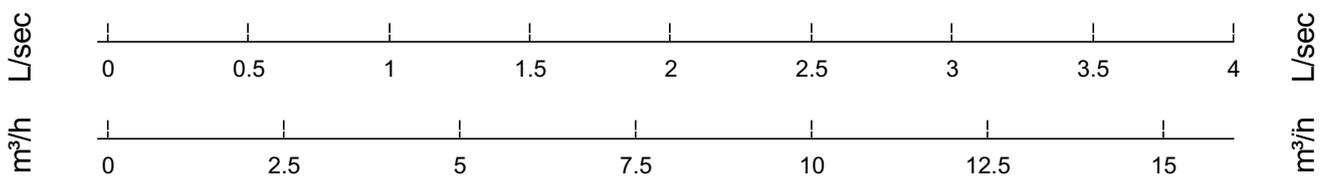
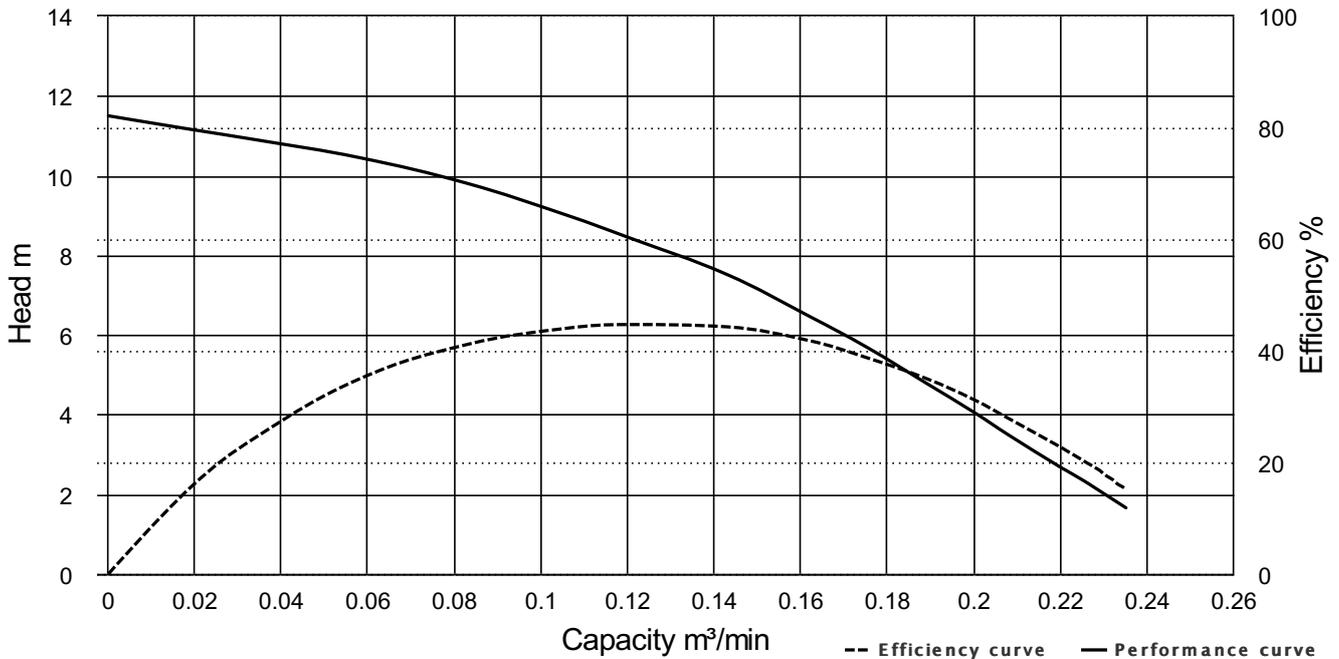
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PUMP PERFORMANCE CURVES

Model	A-05B					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	0.5 HP / 0.4 kW						
Std. Head	8 m						
Std. Capacity	0.12 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	2 A	1.2 A	1.1 A	1.1 A	0.9 A		
Pole / rpm	2 P / 2780 rpm						
Start Method	DOL						
Insulation Class	B						



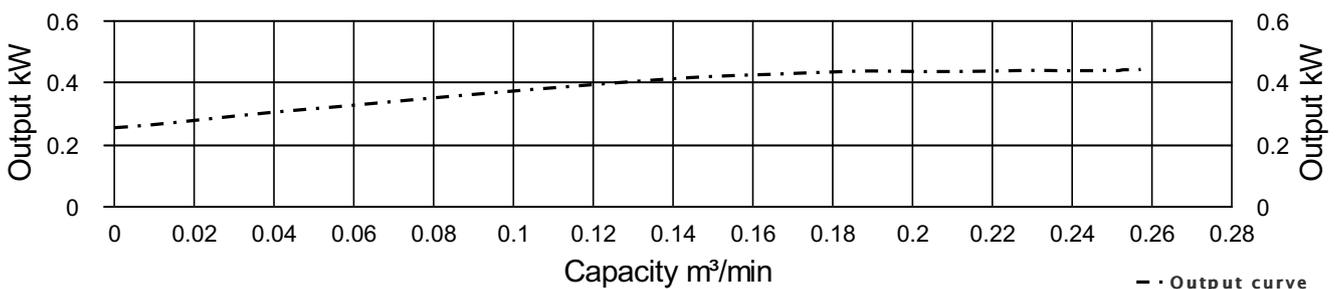
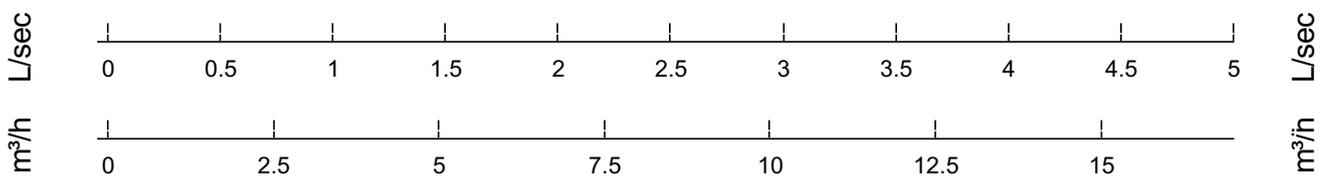
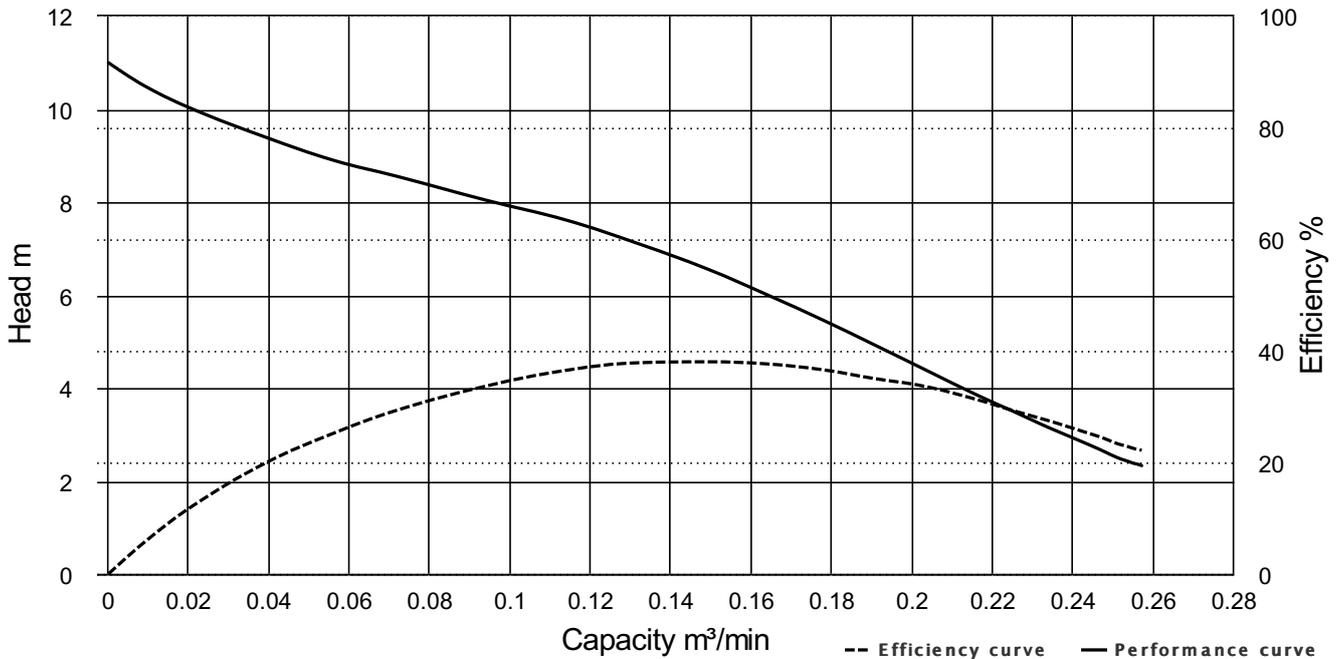
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PUMP PERFORMANCE CURVES

Model	A-05L				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	0.5 HP / 0.4 kW						
Std. Head	6.5 m						
Std. Capacity	0.15 m³/min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	6.8 A	3.4 A	3.3 A	3.2 A			
Pole / rpm	2 P / 2780 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



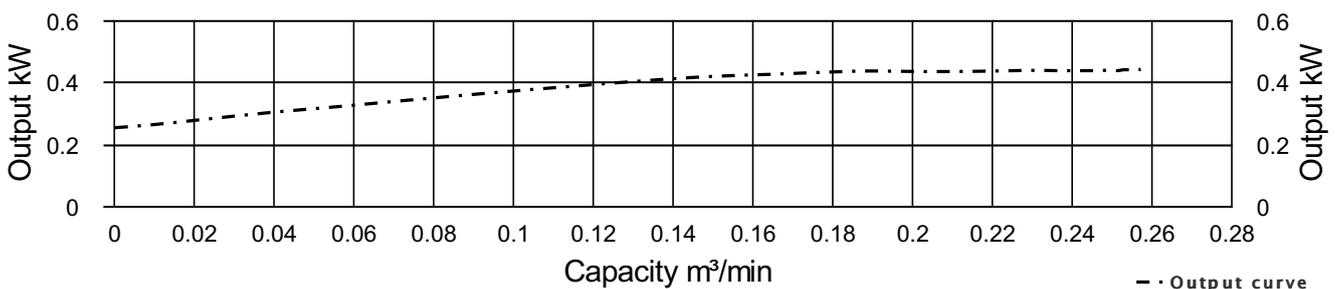
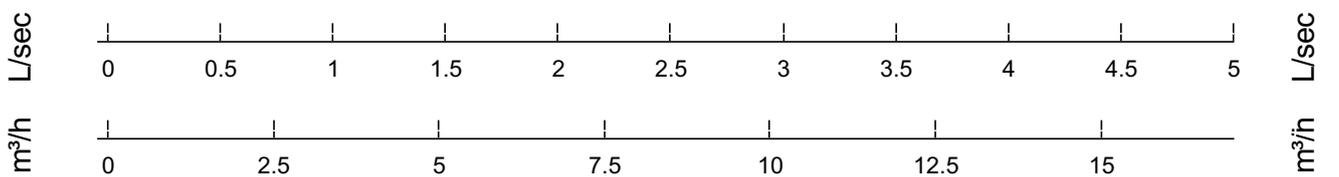
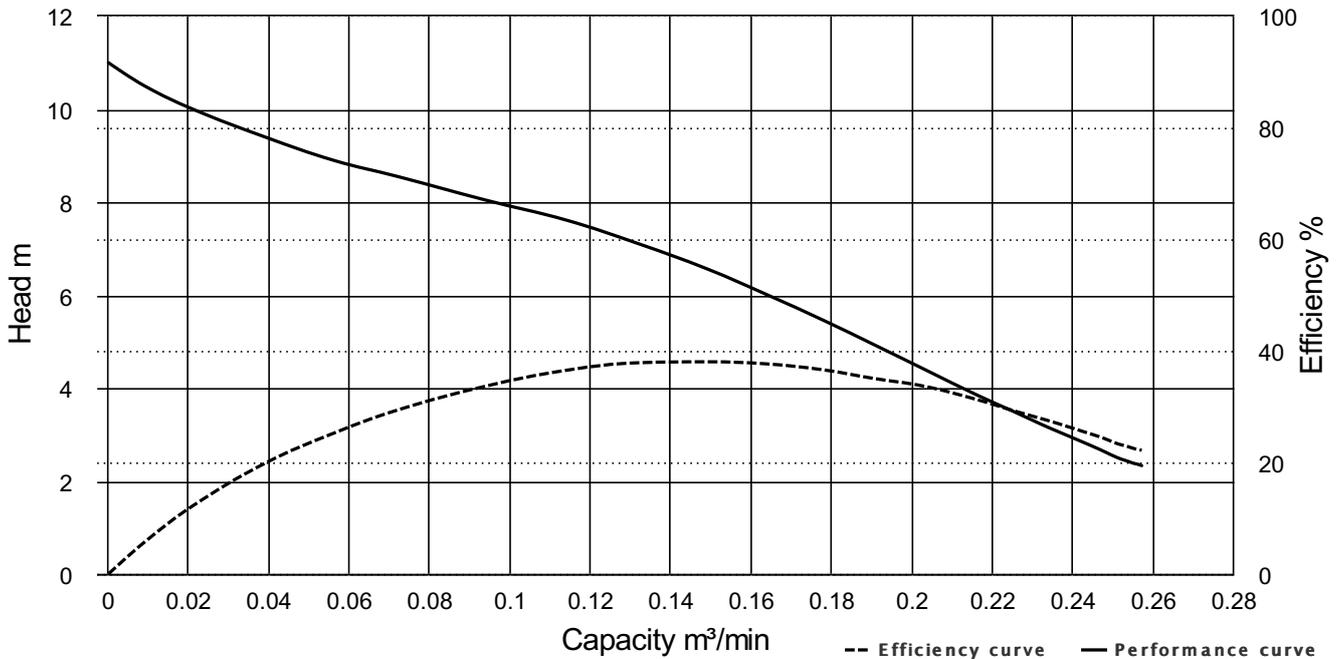
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PUMP PERFORMANCE CURVES

Model	A-05L					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	0.5 HP / 0.4 kW						
Std. Head	6.5 m						
Std. Capacity	0.15 m³/min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	2.4 A	1.4 A	1.3 A	1.3 A	1.1 A		
Pole / rpm	2 P / 2780 rpm						
Start Method	DOL						
Insulation Class	B						



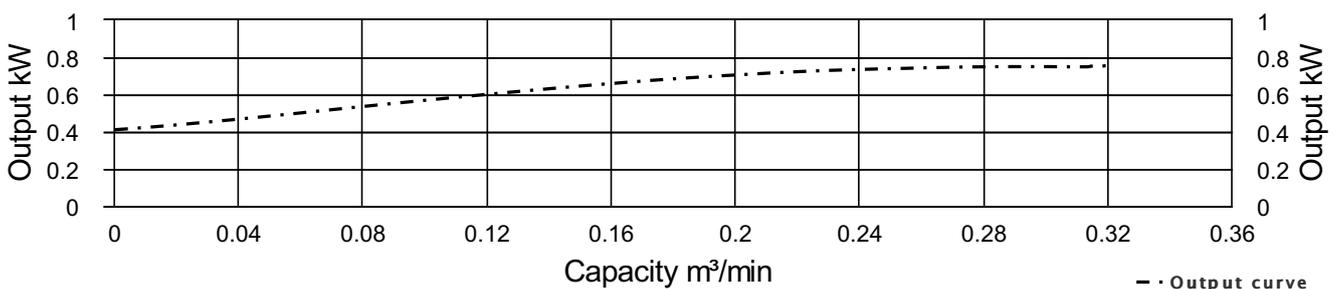
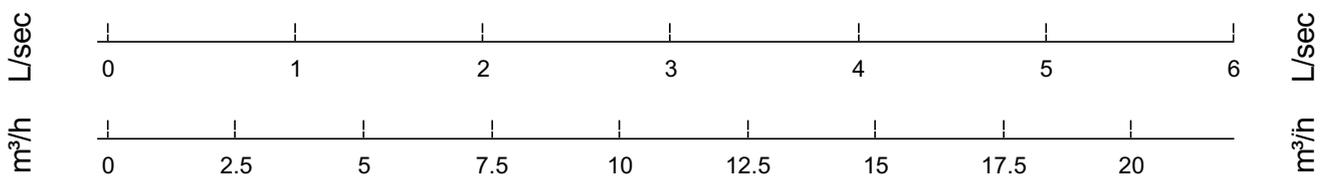
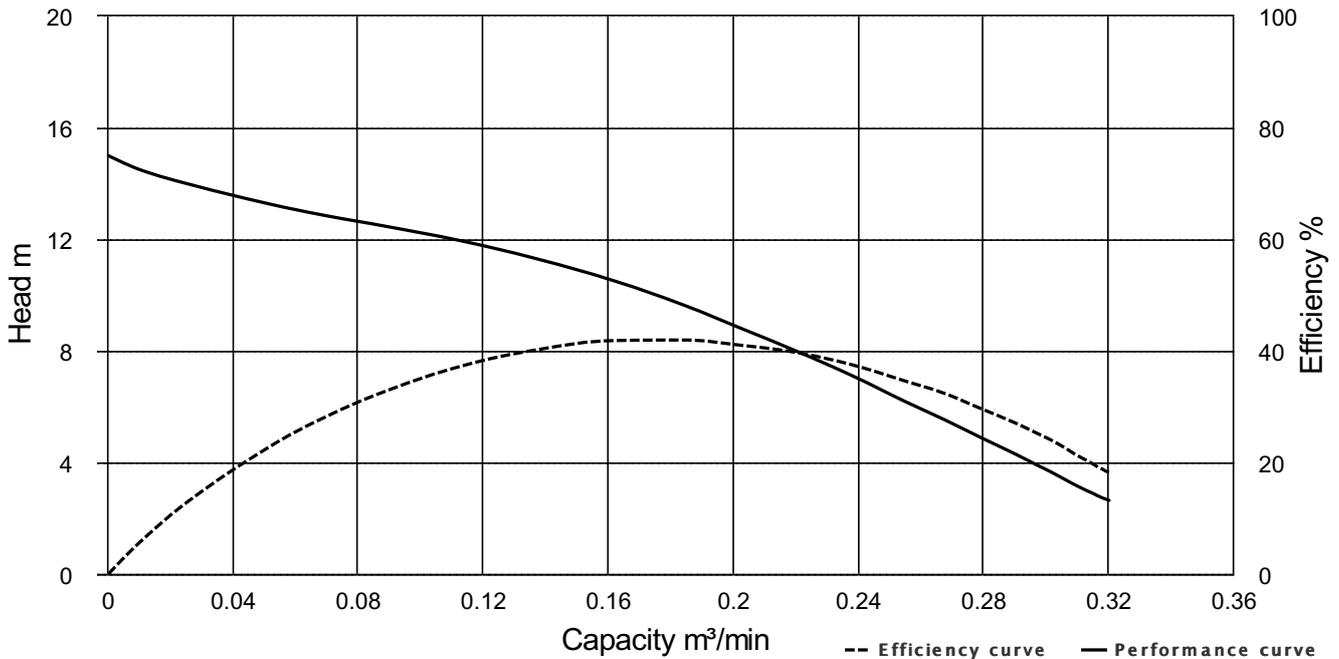
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PUMP PERFORMANCE CURVES

Model	A-21				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	1 HP / 0.75 kW						
Std. Head	10 m						
Std. Capacity	0.17 m ³ /min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	10.8 A	5.4 A	5.2 A	5 A			
Pole / rpm	2 P / 2800 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



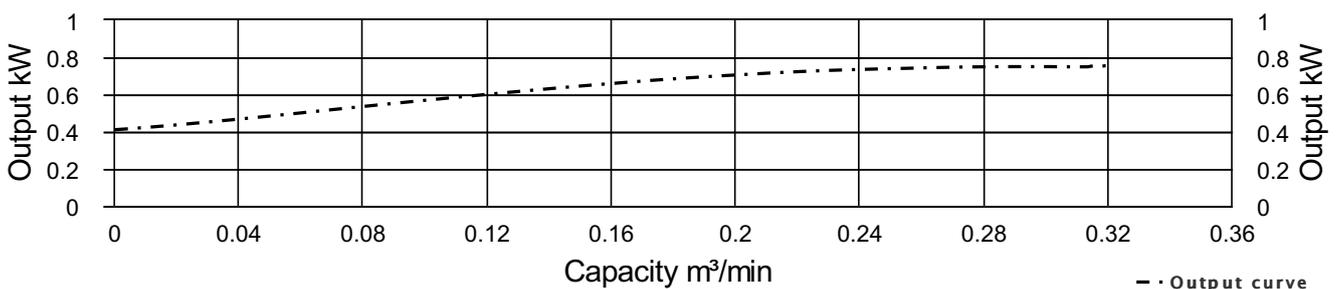
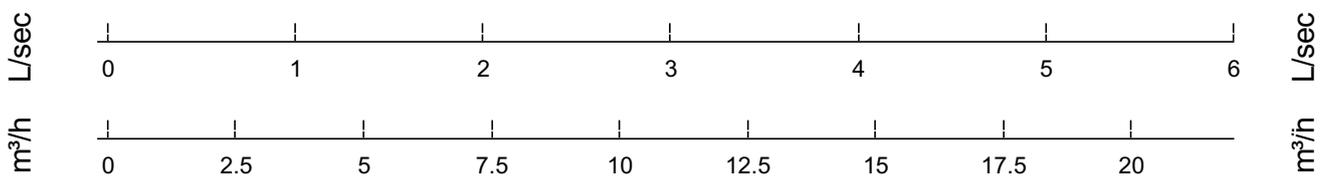
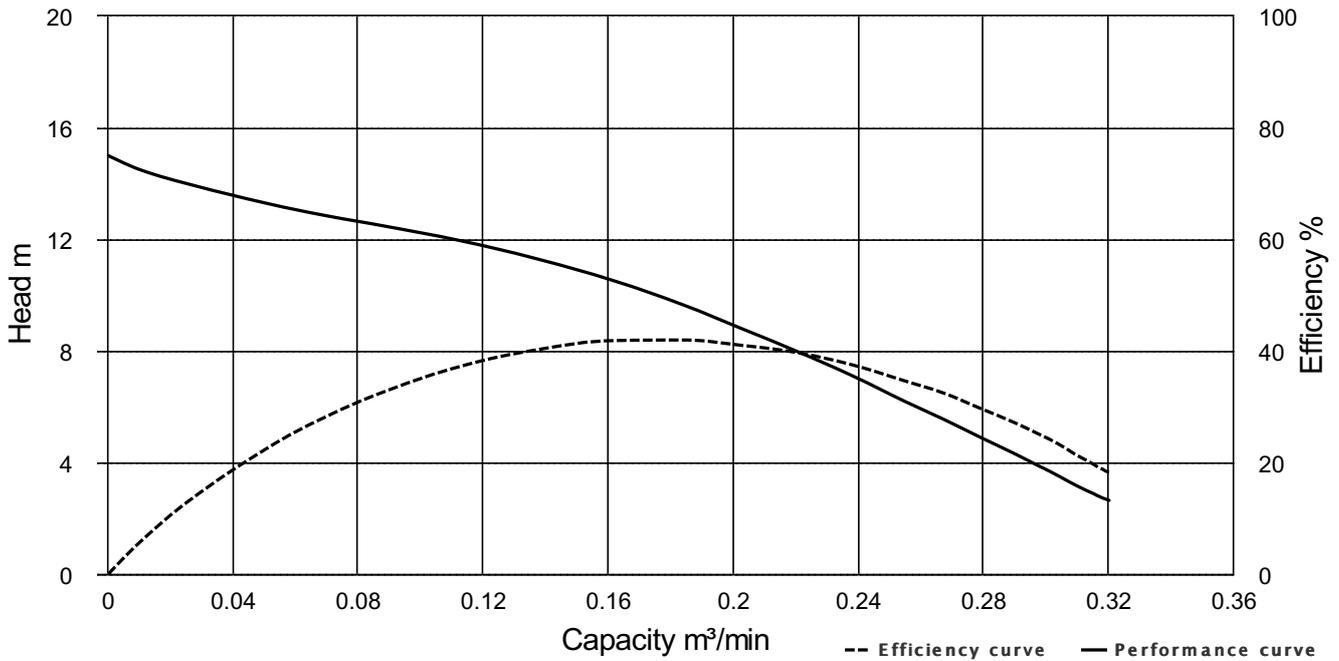
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PUMP PERFORMANCE CURVES

Model	A-21					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	1 HP / 0.75 kW						
Std. Head	10 m						
Std. Capacity	0.17 m³/min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	3.5 A	2 A	1.9 A	1.9 A	1.5 A		
Pole / rpm	2 P / 2800 rpm						
Start Method	DOL						
Insulation Class	B						



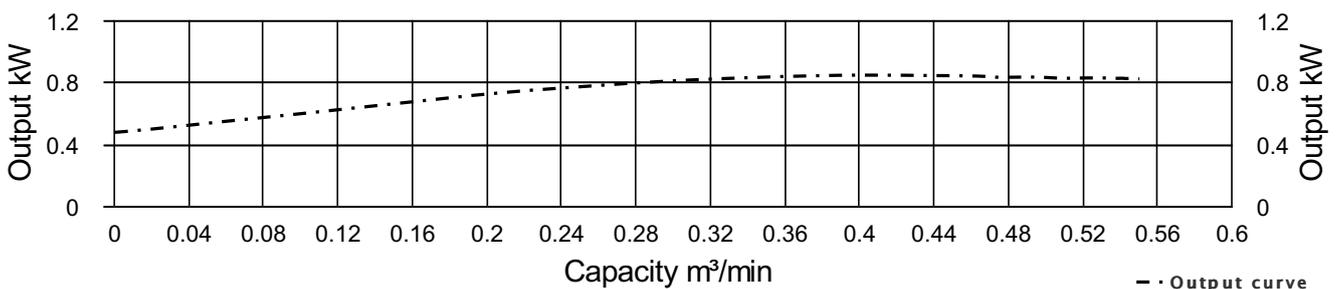
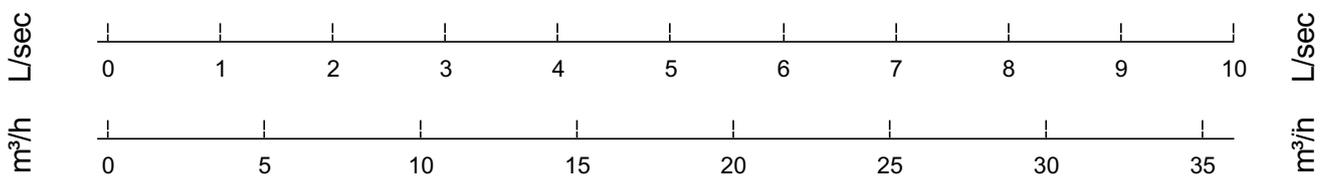
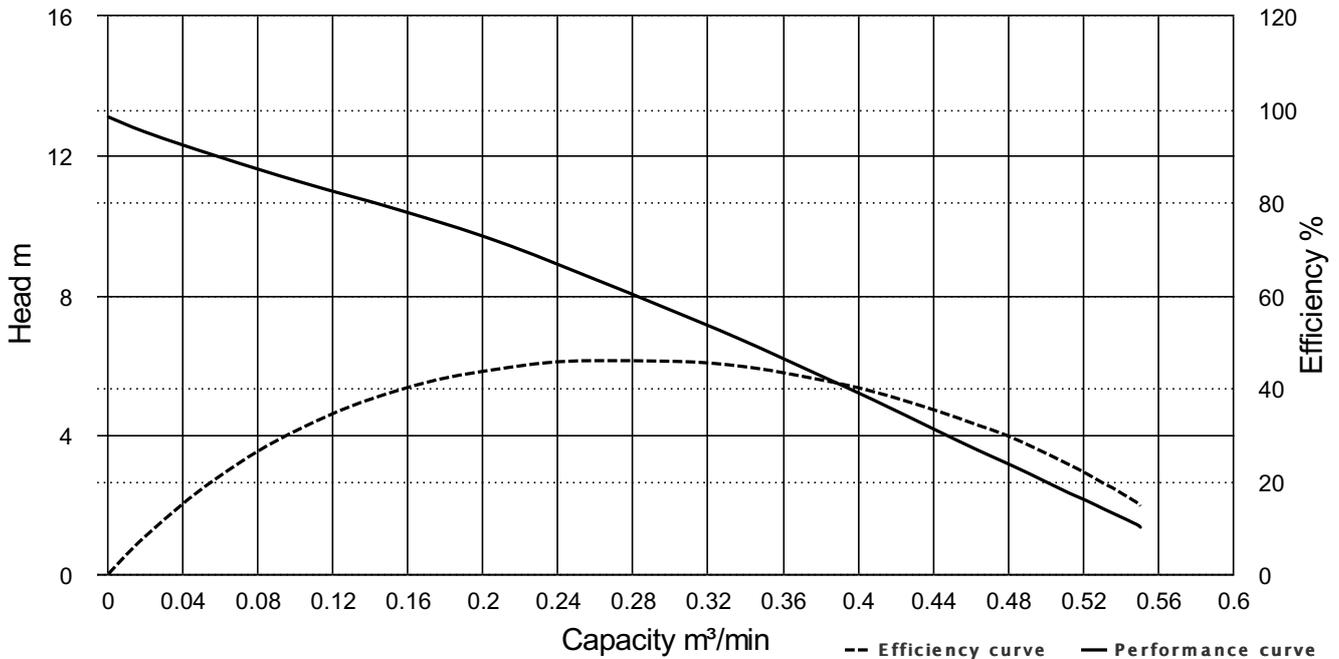
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PUMP PERFORMANCE CURVES

Model	A-31				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	3" / 80 mm						
Power	1 HP / 0.75 kW						
Std. Head	7 m						
Std. Capacity	0.3 m ³ /min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	10.8 A	5.4 A	5.2 A	5 A			
Pole / rpm	2 P / 2800 rpm						
Start Method	CAPACITOR						
Insulation Class	B						



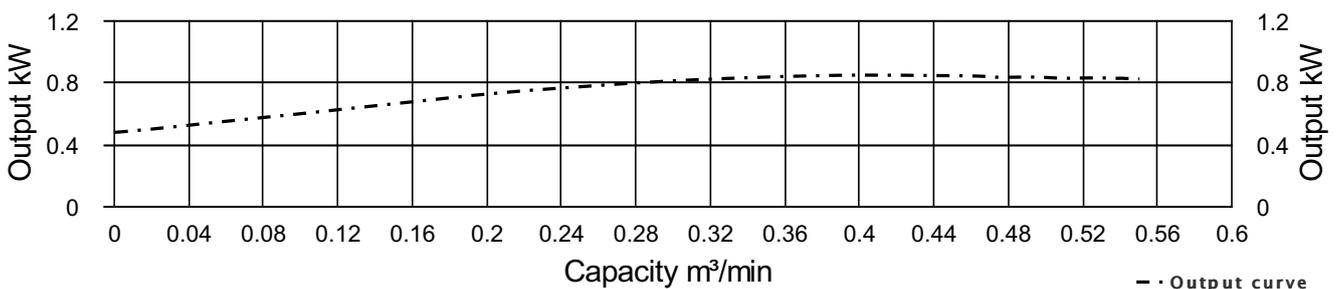
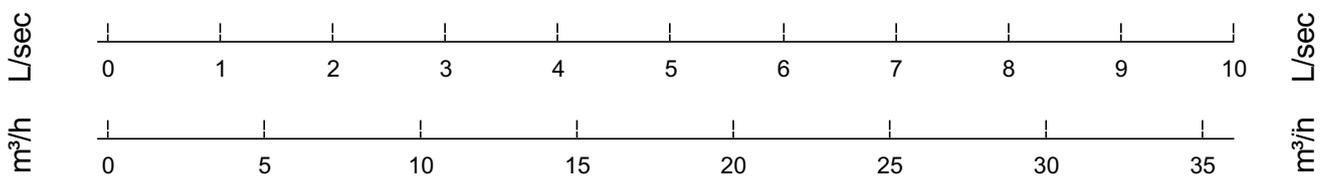
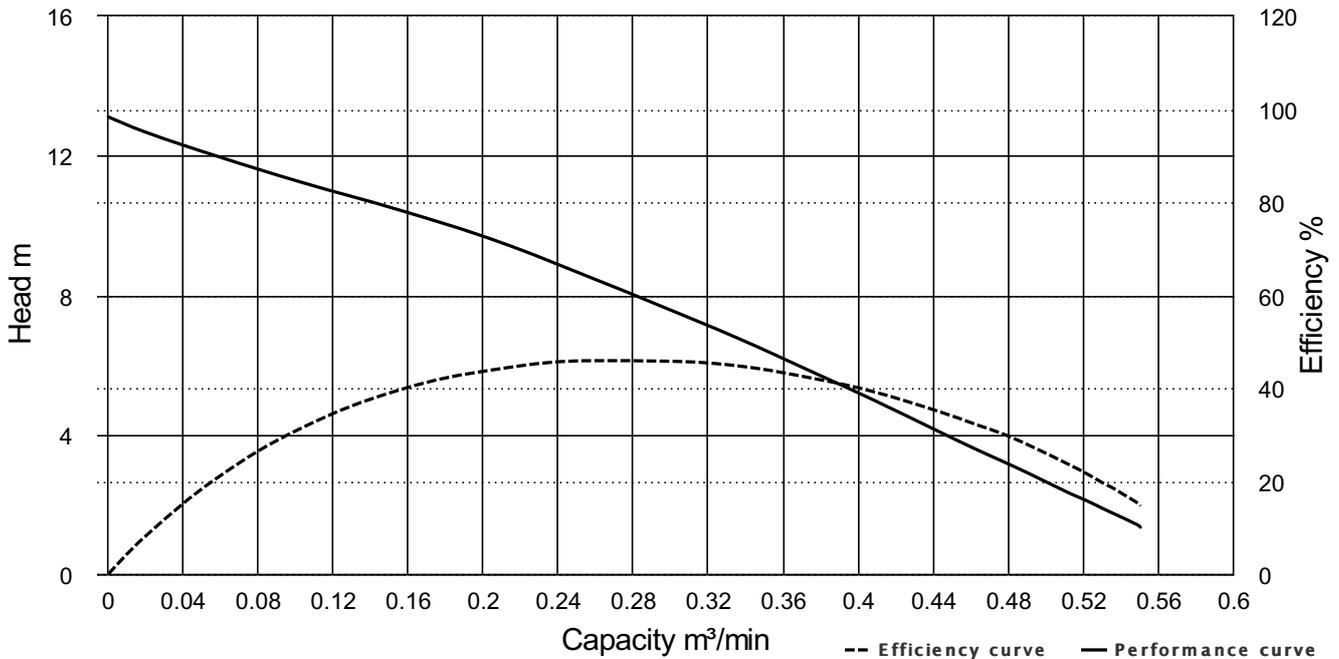
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	A-31					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	3" / 80 mm							
Power	1 HP / 0.75 kW							
Std. Head	7 m							
Std. Capacity	0.3 m ³ /min							
Volt	230 V	380 V	400 V	415 V	525 V			
Rated Current	3.5 A	2 A	1.9 A	1.9 A	1.5 A			
Pole / rpm	2 P / 2800 rpm							
Start Method	DOL							
Insulation Class	B							



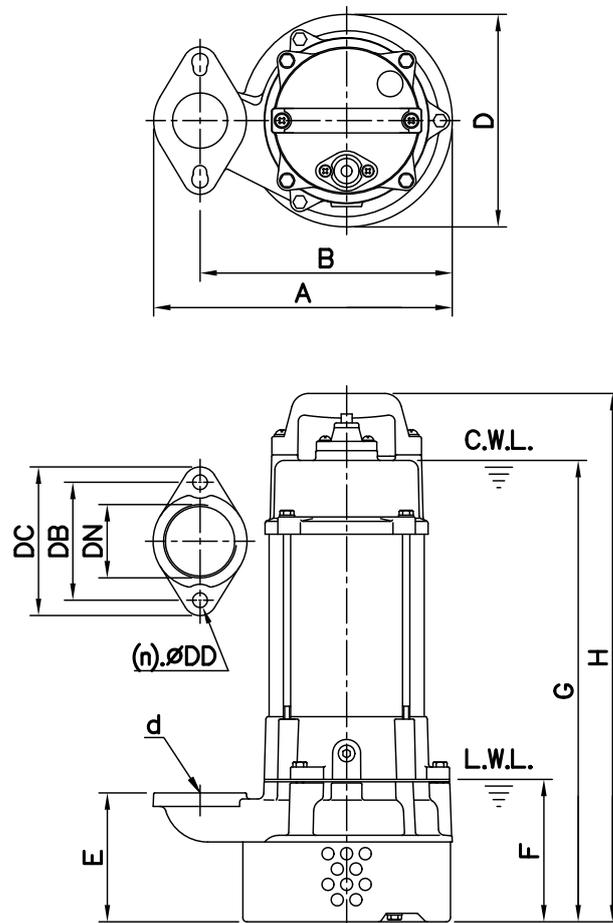
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DIMENSIONS

NO: S3A00208032-02

MODEL: A-05A / 05B / 05L / 21 / 31

1Ø / 3Ø



Flange	
Female Thread	
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
A-05A 1Ø	50	225	190	161	86	88	294	349	12	EF2-84	50	84	106	10	2	1
A-05B 1Ø	50	225	190	161	86	88	316	371	13	EF2-84	50	84	106	10	2	1
A-05B 3Ø	50	225	190	161	86	88	316	371	12	EF2-84	50	84	106	10	2	1
A-05L 1Ø	50	245	207	173	105	116	376	430	16	EF2-96	50	96	121	12	2	1
A-05L 3Ø	50	245	207	173	105	116	376	430	14	EF2-96	50	96	121	12	2	1
A-21 1Ø	50	245	207	173	105	116	376	430	17	EF2-96	50	96	121	12	2	1
A-21 3Ø	50	245	207	173	105	116	376	430	15	EF2-96	50	96	121	12	2	1
A-31 1Ø	80	276	222	173	120	131	391	445	18	EF3-130	80	130	155	12	2	1
A-31 3Ø	80	276	222	173	120	131	391	445	17	EF3-130	80	130	155	12	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
A-05A 1Ø	2	8 ⁷ / ₈	7 ¹ / ₂	6 ⁵ / ₁₆	3 ³ / ₈	3 ⁷ / ₁₆	11 ¹ / ₁₆	13 ³ / ₄	26	EF2-84	2	3 ³ / ₁₆	4 ³ / ₁₆	3/ ₈	2	2
A-05B 1Ø	2	8 ⁷ / ₈	7 ¹ / ₂	6 ⁵ / ₁₆	3 ³ / ₈	3 ⁷ / ₁₆	12 ¹ / ₁₆	14 ⁵ / ₈	29	EF2-84	2	3 ³ / ₁₆	4 ³ / ₁₆	3/ ₈	2	2
A-05B 3Ø	2	8 ⁷ / ₈	7 ¹ / ₂	6 ⁵ / ₁₆	3 ³ / ₈	3 ⁷ / ₁₆	12 ¹ / ₁₆	14 ⁵ / ₈	26	EF2-84	2	3 ³ / ₁₆	4 ³ / ₁₆	3/ ₈	2	2
A-05L 1Ø	2	9 ⁵ / ₈	8 ¹ / ₈	6 ¹³ / ₁₆	4 ¹ / ₈	4 ⁹ / ₁₆	14 ¹³ / ₁₆	16 ¹⁵ / ₁₆	35	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/ ₂	2	2
A-05L 3Ø	2	9 ⁵ / ₈	8 ¹ / ₈	6 ¹³ / ₁₆	4 ¹ / ₈	4 ⁹ / ₁₆	14 ¹³ / ₁₆	16 ¹⁵ / ₁₆	31	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/ ₂	2	2
A-21 1Ø	2	9 ⁵ / ₈	8 ¹ / ₈	6 ¹³ / ₁₆	4 ¹ / ₈	4 ⁹ / ₁₆	14 ¹³ / ₁₆	16 ¹⁵ / ₁₆	37	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/ ₂	2	2
A-21 3Ø	2	9 ⁵ / ₈	8 ¹ / ₈	6 ¹³ / ₁₆	4 ¹ / ₈	4 ⁹ / ₁₆	14 ¹³ / ₁₆	16 ¹⁵ / ₁₆	33	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/ ₂	2	2
A-31 1Ø	3	10 ⁷ / ₈	8 ³ / ₄	6 ¹³ / ₁₆	4 ³ / ₄	5 ³ / ₁₆	15 ³ / ₈	17 ¹ / ₂	40	EF3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/ ₂	2	2
A-31 3Ø	3	10 ⁷ / ₈	8 ³ / ₄	6 ¹³ / ₁₆	4 ³ / ₄	5 ³ / ₁₆	15 ³ / ₈	17 ¹ / ₂	37	EF3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/ ₂	2	2

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

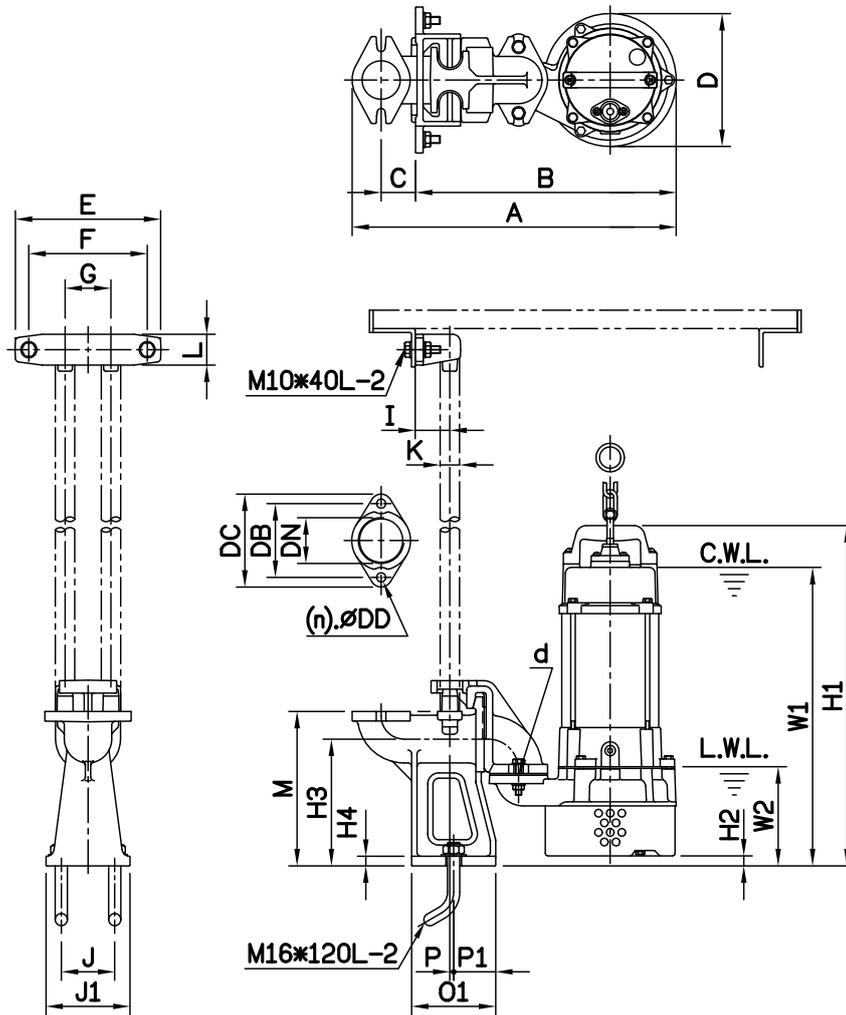
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T2A00208032-01

MODEL: A-05A / 05B / 05L / 21

1Ø / 3Ø



Flange	
Female Thread	
PF	NPT

Dimensions-mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF2-96	50	96	121	12	2

Dimensions-inch

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF2-96	2	3 3/4	4 3/4	1/2	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	Weight:kg		
																									GRS Set	WT2	
A-05A	1Ø	50	408	325	45	161	190	155	60	45	70	110	3/4"	40	201	110	5	55	327	120	381	33	165	13	12	T2-50	9
A-05B	1Ø	50	408	325	45	161	190	155	60	45	70	110	3/4"	40	201	110	5	55	349	120	403	33	165	13	13	T2-50	9
A-05B	3Ø	50	408	325	45	161	190	155	60	45	70	110	3/4"	40	201	110	5	55	349	120	403	33	165	13	12	T2-50	9
A-05L	1Ø	50	425	342	45	173	190	155	60	45	70	110	3/4"	40	201	110	5	55	389	129	443	13	165	13	16	T2-50	9
A-05L	3Ø	50	425	342	45	173	190	155	60	45	70	110	3/4"	40	201	110	5	55	389	129	443	13	165	13	14	T2-50	9
A-21	1Ø	50	425	342	45	173	190	155	60	45	70	110	3/4"	40	201	110	5	55	389	129	443	13	165	13	17	T2-50	9
A-21	3Ø	50	425	342	45	173	190	155	60	45	70	110	3/4"	40	201	110	5	55	389	129	443	13	165	13	15	T2-50	9

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	Weight:lb		
																									GRS Set	WT2	
A-05A	1Ø	2	16 1/16	12 3/16	1 3/4	6 5/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	12 7/8	4 3/4	15	1 1/8	6 1/2	1/2	26	T2-50	20
A-05B	1Ø	2	16 1/16	12 3/16	1 3/4	6 5/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	13 3/4	4 3/4	15 5/8	1 1/8	6 1/2	1/2	29	T2-50	20
A-05B	3Ø	2	16 1/16	12 3/16	1 3/4	6 5/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	13 3/4	4 3/4	15 5/8	1 1/8	6 1/2	1/2	26	T2-50	20
A-05L	1Ø	2	16 3/4	13 3/16	1 3/4	6 13/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	15 5/16	5 1/8	17 1/8	1/2	6 1/2	1/2	35	T2-50	20
A-05L	3Ø	2	16 3/4	13 3/16	1 3/4	6 13/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	15 5/16	5 1/8	17 1/8	1/2	6 1/2	1/2	31	T2-50	20
A-21	1Ø	2	16 3/4	13 3/16	1 3/4	6 13/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	15 5/16	5 1/8	17 1/8	1/2	6 1/2	1/2	37	T2-50	20
A-21	3Ø	2	16 3/4	13 3/16	1 3/4	6 13/16	7 1/2	6 3/8	2 3/8	1 3/4	2 3/4	4 5/16	3/4	1 9/16	7 15/16	4 5/16	3/16	2 3/16	15 5/16	5 1/8	17 1/8	1/2	6 1/2	1/2	33	T2-50	20

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

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



Professionalism • Innovation • Service • Commitment

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AN SERIES

SUBMERSIBLE WASTEWATER / SUMP PUMPS

POWER : 1~5HP (0.75~3.7kW)
MAX.HEAD : 29.5m(97feet)
MAX.FLOW : 1.4m³/min (84m³/h)



PRODUCT NOMENCLATURE

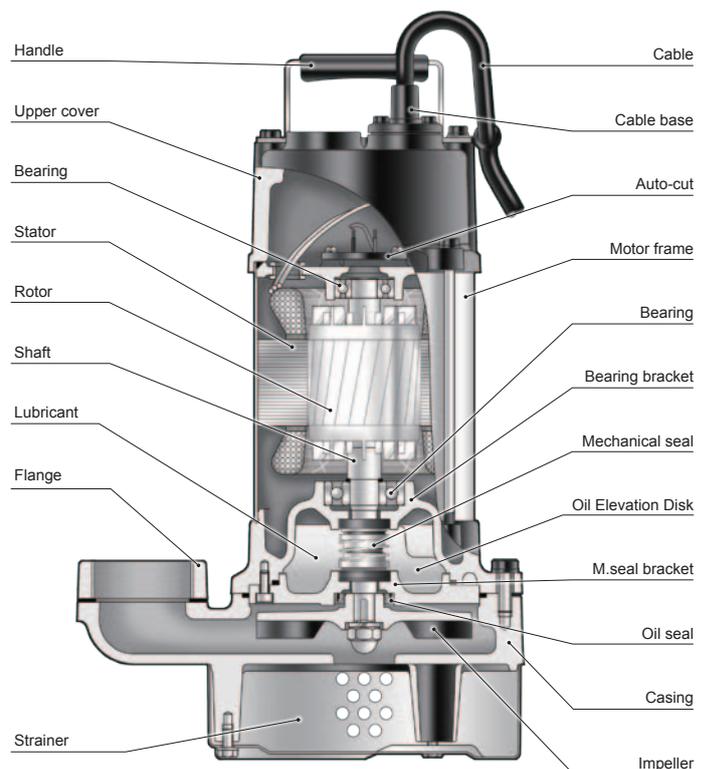
Example : $\frac{AN}{\text{Type}} - \frac{2}{\text{Discharge inch}} \frac{1.5}{\text{HP}}$

FEATURE

- A precision manufacture assembling lines, complimented with a synthetic production test to ensure each IP68 motor with highest level of final pump quality.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and lip seal design.
- Oil Elevation Disk design in the oil chamber to ensure the mechanical seals lubrication and to extend the service life of pump.
- Lightweight, portable and durable for wide range of uses.

APPLICATIONS

- Sump drainage.
- Flood control.
- Water features.
- Dewatering fishpond, basement, cellars.



AN SERIES SUBMERSIBLE WASTEWATER / SUMP PUMPS

AN-21 · AN-21.5 · AN-22 · AN-23

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Clean / Dirty Water From Sumps · Basins and Tanks
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class B(1HP) · Class F(1.5~3HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex · Open
Material	Upper Cover	FC200
	Motor Frame	SUS304
	Shaft	SUS410(1~1.5HP) · SUS403(2~3HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
	Optional	AN-21/21.5 : 1 1/2" (40mm) Flange



AN-21 · AN-21.5



AN-22 · AN-23

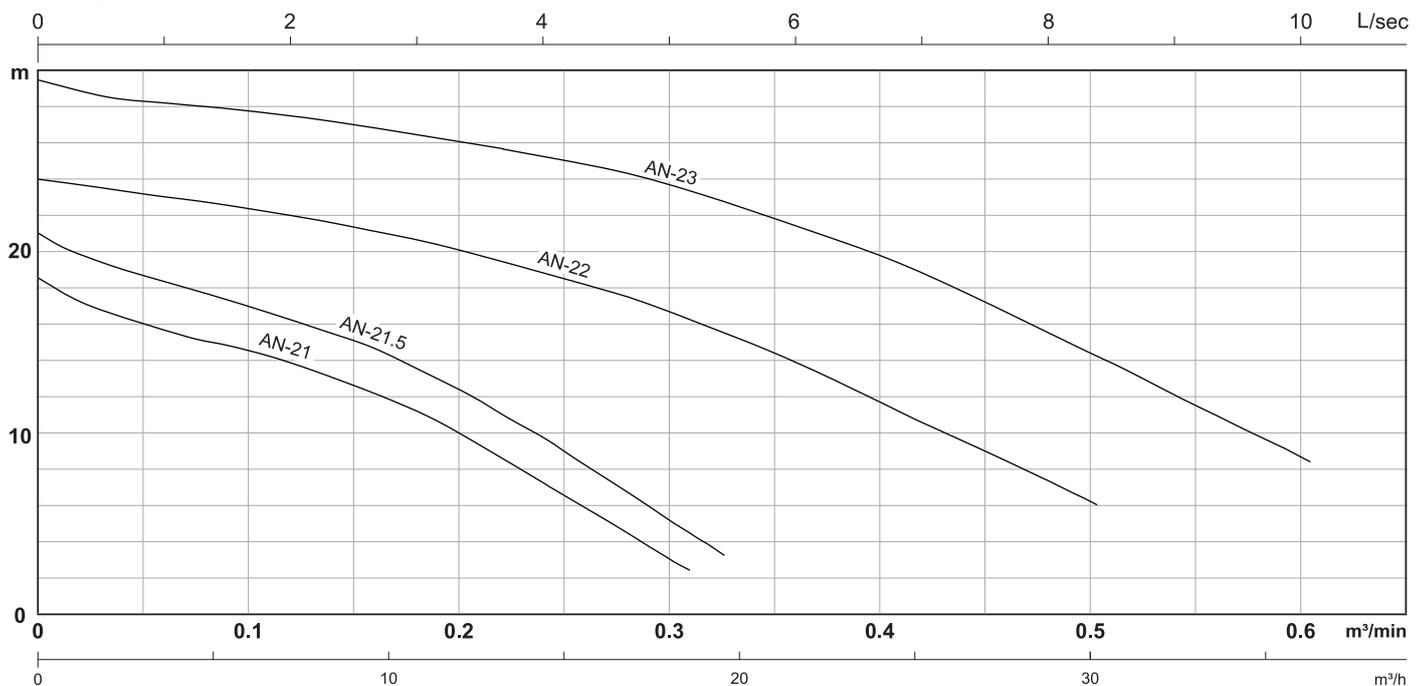


Vortex Impeller

Open Impeller

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
AN-21	1(0.75)	2"(50)	13.5-0.12	13.5-7.2	18.5-0.32	18.5-19.2	7(1/4")	18(40)	17(37)	Full load Ampere	5.4	5.2	3.5	2.0	1.9	1.9	1.5
AN-21.5	1.5(1.1)	2"(50)	14.5-0.16	14.5-9.6	21-0.35	21-21.0	7(1/4")	20(44)	18(40)		6.6	6.4	4.2	2.4	2.3	2.3	1.8
AN-22	2(1.5)	2"(50)	18.5-0.25	18.5-15	24-0.55	24-33.0	10.5(3/8")	31(68)	27(60)		10.2	10.0	6.2	3.6	3.4	3.4	2.7
AN-23	3(2.2)	2"(50)	23.5-0.3	23.5-18	29.5-0.65	29.5-39.0	10.5(3/8")	35(77)	30(66)		15.0	14.6	8.8	5.0	4.8	4.8	3.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min								Q:L/sec	H:m							
			0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.5		1	2	3	4	5	6	7	8
AN-21	1(0.75)	2"(50)	16.0	14.5	12.6	10.0	6.6	3.0	-	-	15.7	13.8	11.2	7.4	3.0	-	-	-	
AN-21.5	1.5(1.1)	2"(50)	18.6	17.0	15.2	12.2	9.0	5.2	-	-	18.2	16.3	13.5	9.6	5.0	-	-	-	
AN-22	2(1.5)	2"(50)	23.2	22.0	21.4	20.0	18.6	16.6	11.4	6.1	22.7	21.7	20.5	18.8	16.6	13.8	10.2	7.0	
AN-23	3(2.2)	2"(50)	28.4	27.8	27.0	26.2	25.0	23.6	19.8	14.4	28.2	27.4	26.4	25.2	23.6	21.4	18.8	15.6	

AN SERIES SUBMERSIBLE WASTEWATER / SUMP PUMPS

AN-32 · AN-33 · AN-43 · AN-35

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Clean / Dirty Water From Sumps Basins and Tanks
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	Open
Material	Upper Cover	FC200
	Motor Frame	SUS304
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
	Optional	AN-43 : EB4-150A



AN-32 · AN-33



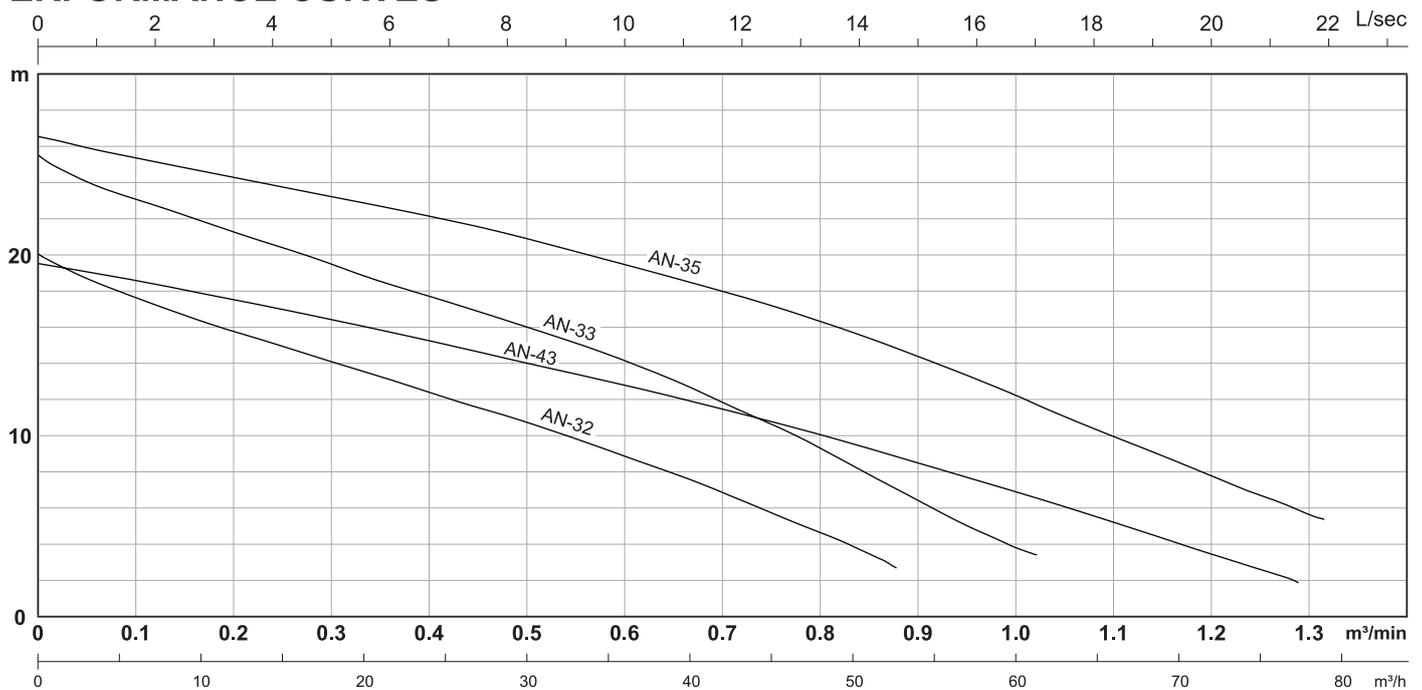
AN-35 · AN-43



Open Impeller

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
AN-32	2(1.5)	3"(80)	10.5-0.5	10.5-30.0	20-0.9	20-54	10.5(3/8")	33(73)	29(64)	Full load Ampere	10.2	10.0	6.2	3.6	3.4	3.4	2.7
AN-33	3(2.2)	3"(80)	15.5-0.5	15.5-30.0	25.5-1.05	25.5-63	10.5(3/8")	37(82)	32(71)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
AN-43	3(2.2)	4"(100)	11.5-0.7	11.5-42.0	19.5-1.3	19.5-78	20(3/4")	37(82)	32(71)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
AN-35	5(3.7)	3"(80)	19.0-0.6	19.0-36.0	26.5-1.4	26.5-84	20(3/4")	-	35(77)		-	-	14.2	8.2	7.8	7.8	6.2

PERFORMANCE CURVES



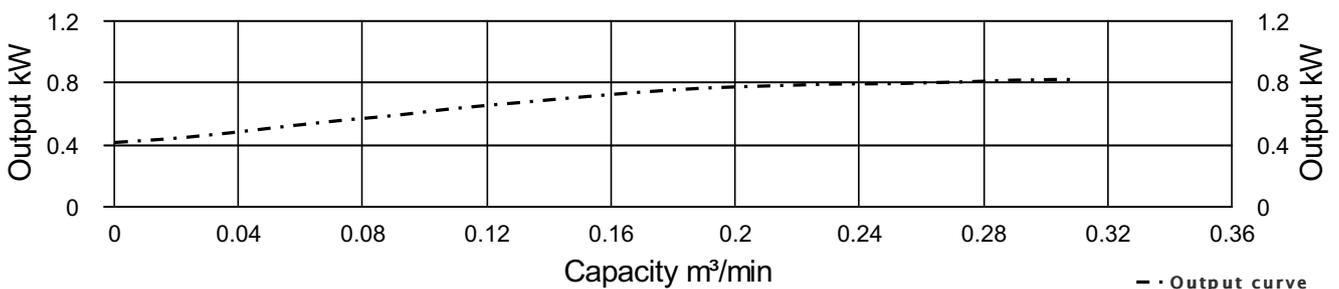
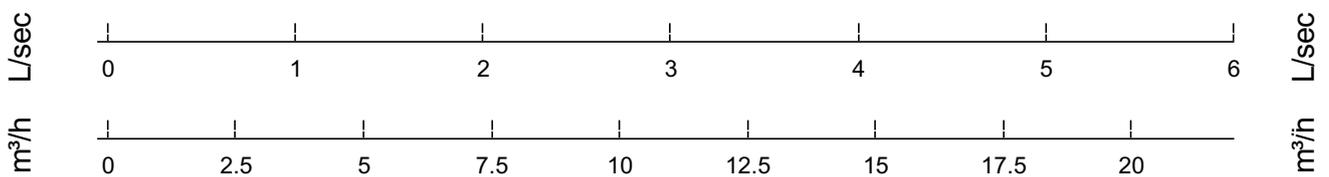
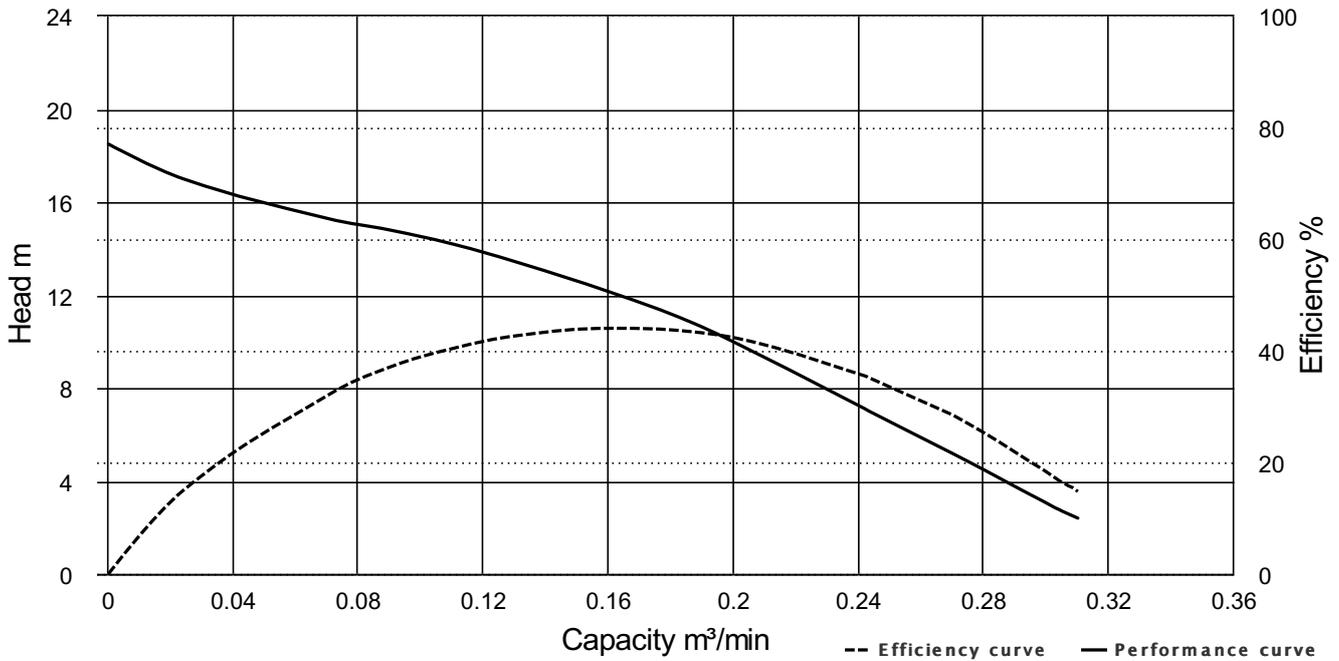
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	Q:L/sec											H:m							
				0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.1	2	4	6	8	10	12	14	18			
AN-32	2(1.5)	3"(80)		17.8	16.0	14.0	12.2	10.5	6.8	-	-	17.4	15.2	13.0	10.9	8.6	5.8	3.0	-			
AN-33	3(2.2)	3"(80)		23.0	21.2	19.7	17.8	16.0	12.0	6.6	-	22.8	20.8	18.6	16.4	14.3	11.4	8.2	-			
AN-43	3(2.2)	4"(100)		18.6	17.5	16.4	15.0	14.0	11.3	8.3	5.0	18.4	17.1	15.6	14.2	12.6	11.0	9.2	5.3			
AN-35	5(3.7)	3"(80)		25.6	24.6	23.4	22.2	21.0	18.0	14.4	10.0	25.4	24.1	22.7	21.3	19.5	17.6	15.4	10.5			



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-21				Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION	
Discharge	2" / 50 mm					
Power	1 HP / 0.75 kW					
Std. Head	13.5 m					
Std. Capacity	0.12 m ³ /min					
Volt	110 V	220 V	230 V	240 V		
Rated Current	10.8 A	5.4 A	5.2 A	5 A		
Pole / rpm	2 P / 2800 rpm					
Start Method	CAPACITOR					
Insulation Class	B					



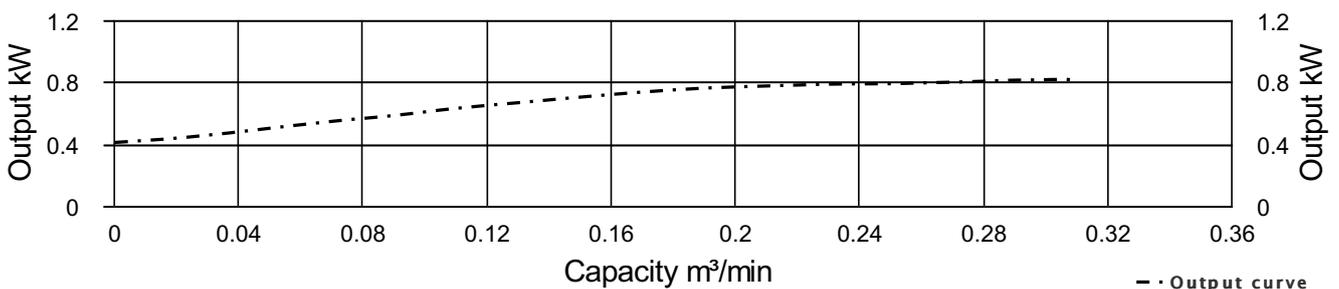
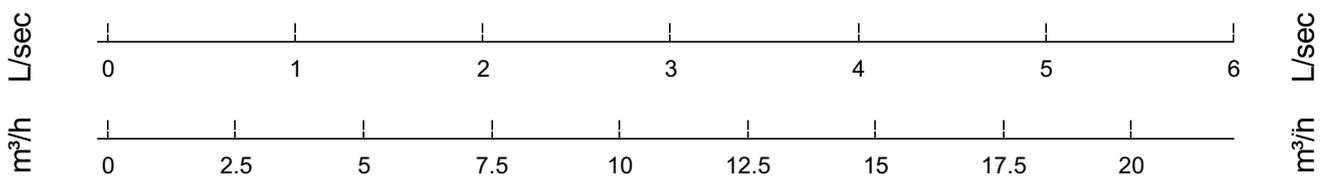
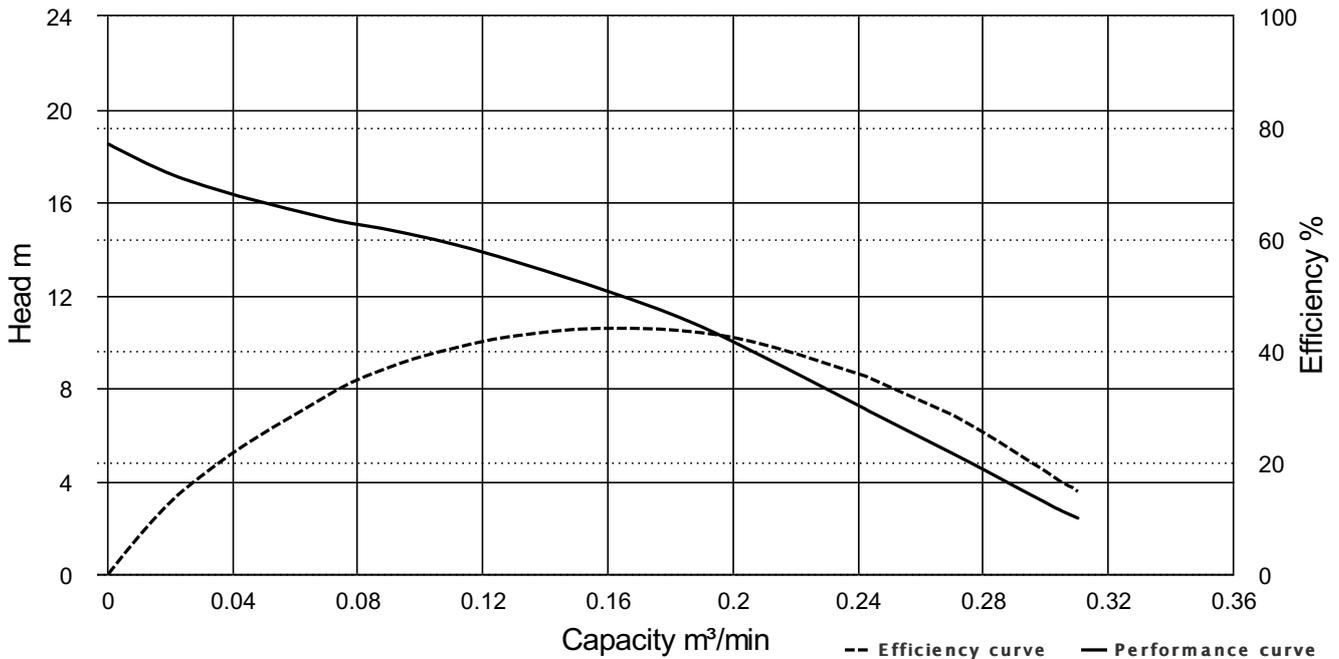
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-21					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	1 HP / 0.75 kW						
Std. Head	13.5 m						
Std. Capacity	0.12 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	3.5 A	2 A	1.9 A	1.9 A	1.5 A		
Pole / rpm	2 P / 2800 rpm						
Start Method	DOL						
Insulation Class	B						



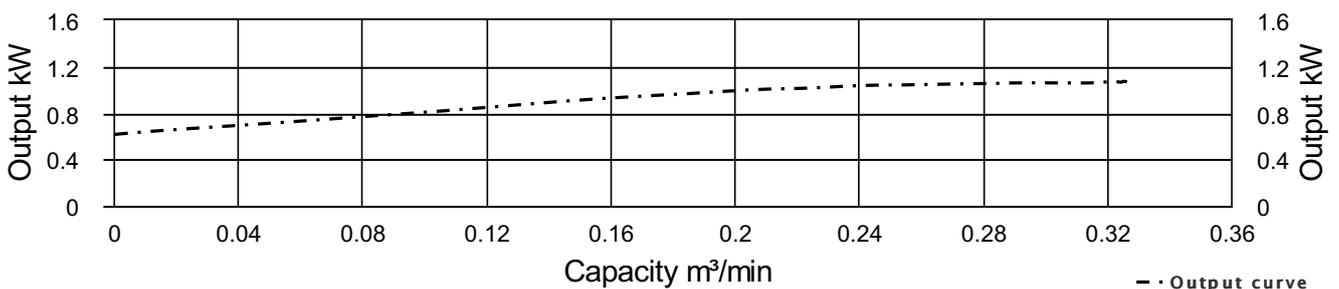
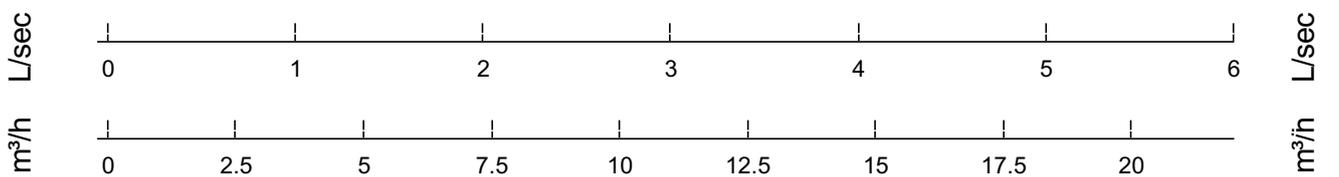
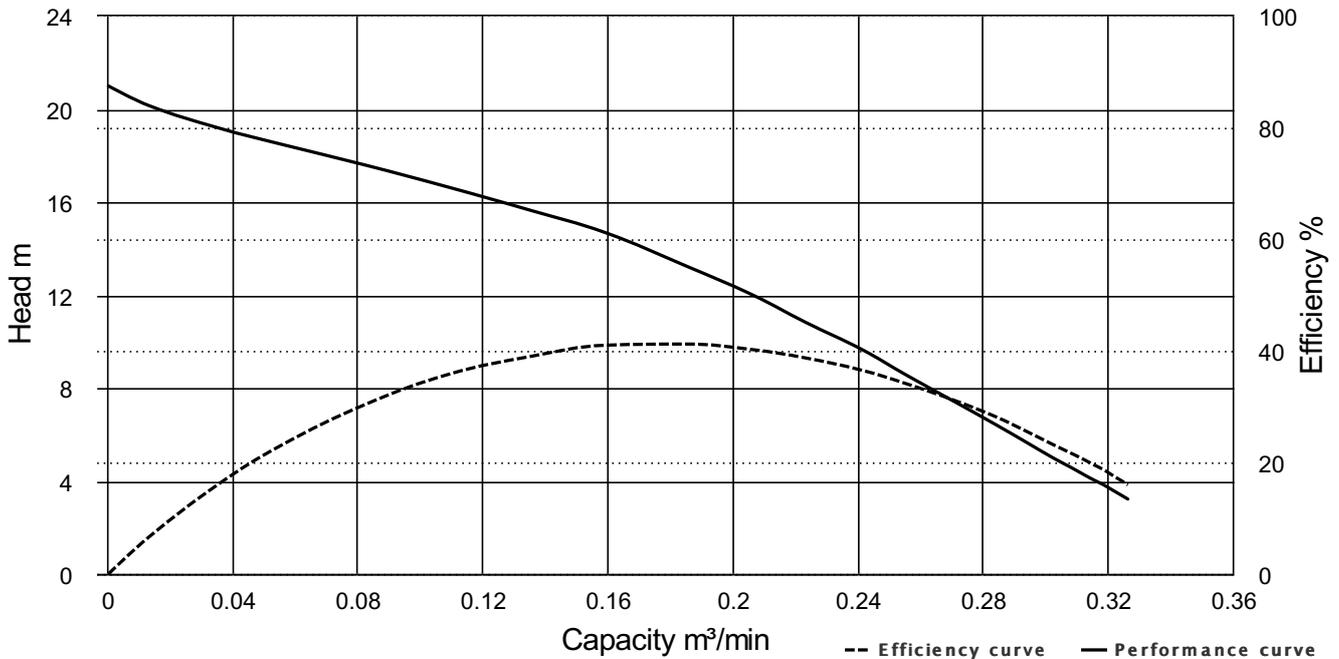
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-21.5			Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	2" / 50 mm				
Power	1.1 HP / 1.5 kW				
Std. Head	14.5 m				
Std. Capacity	0.16 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 / 2800 rpm				
Start Method	CAPACITOR				
Insulation Class	F				



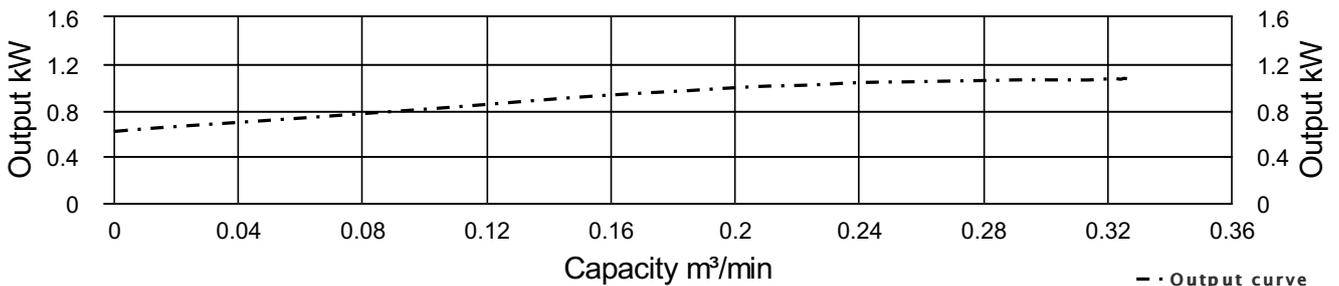
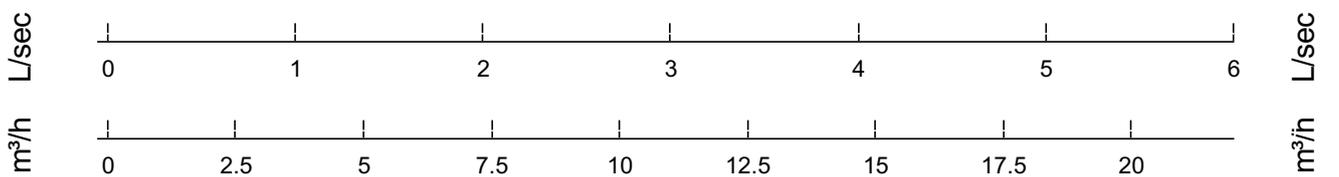
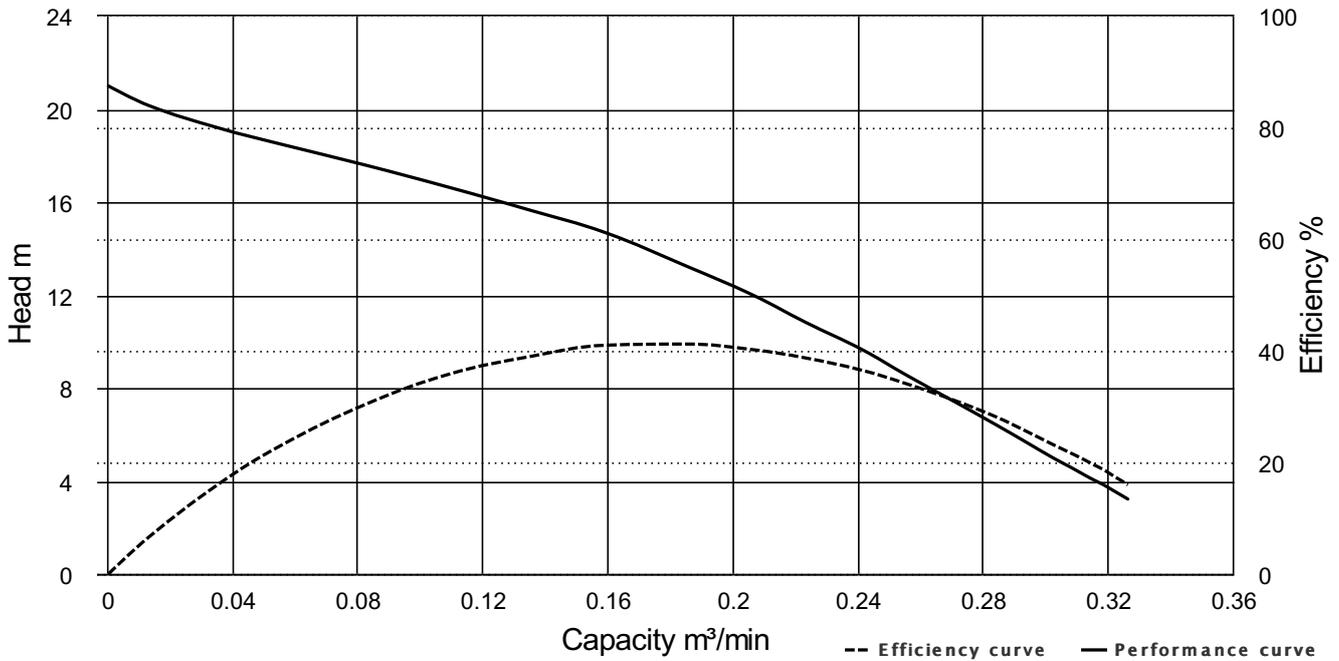
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-21.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	1.1 HP / 1.5 kW						
Std. Head	14.5 m						
Std. Capacity	0.16 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 / 2800 rpm						
Start Method	DOL						
Insulation Class	F						



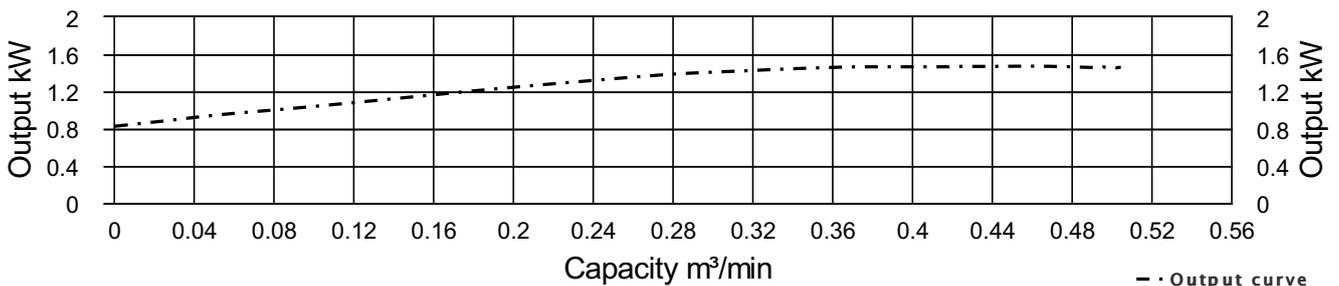
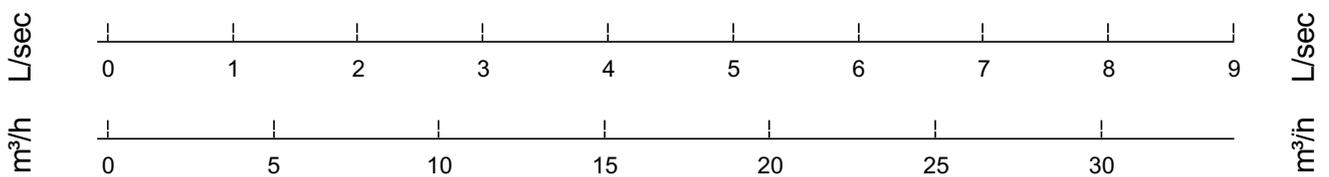
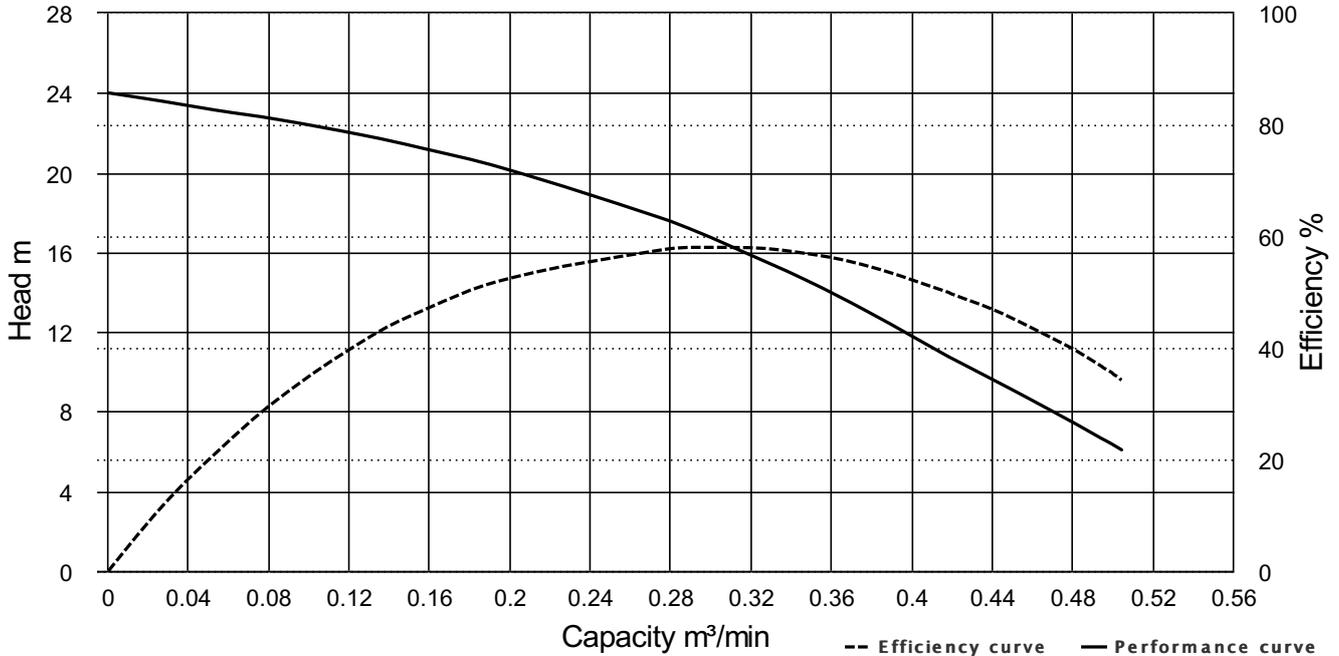
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PUMP PERFORMANCE CURVES

Model	AN-22				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	2 HP / 1.5 kW						
Std. Head	18.5 m						
Std. Capacity	0.25 m³/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						



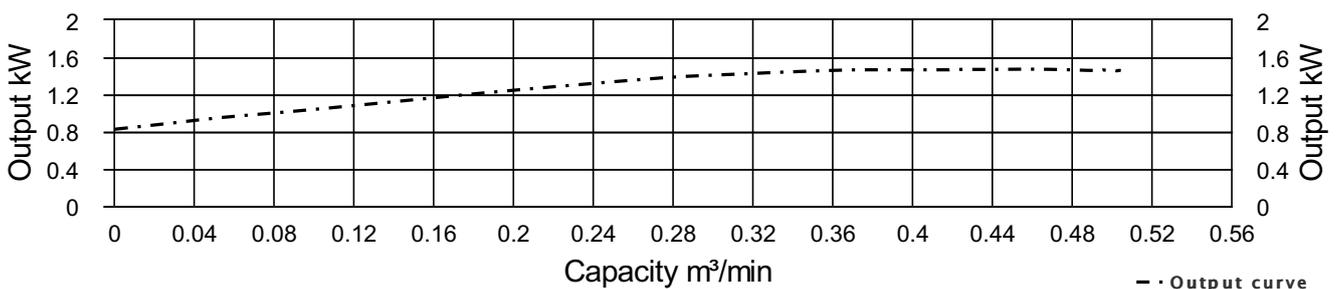
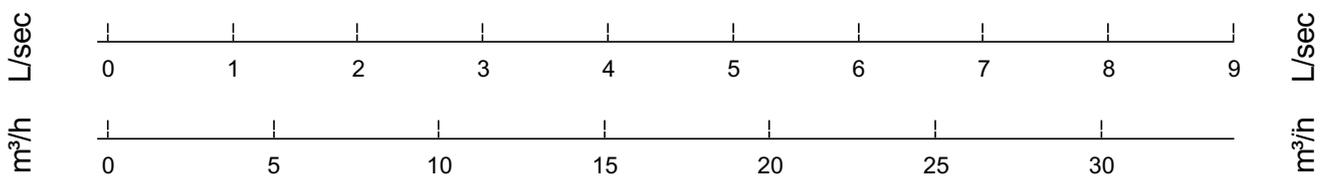
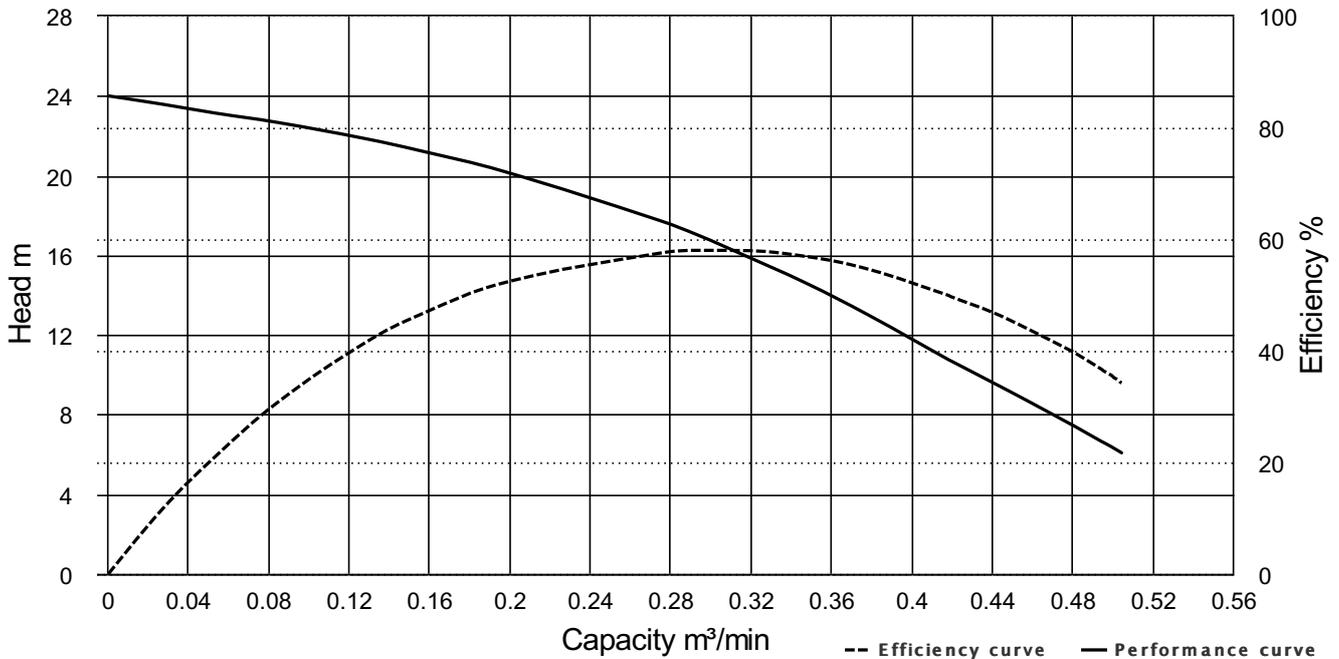
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-22					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	2 HP / 1.5 kW						
Std. Head	18.5 m						
Std. Capacity	0.25 m³/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						



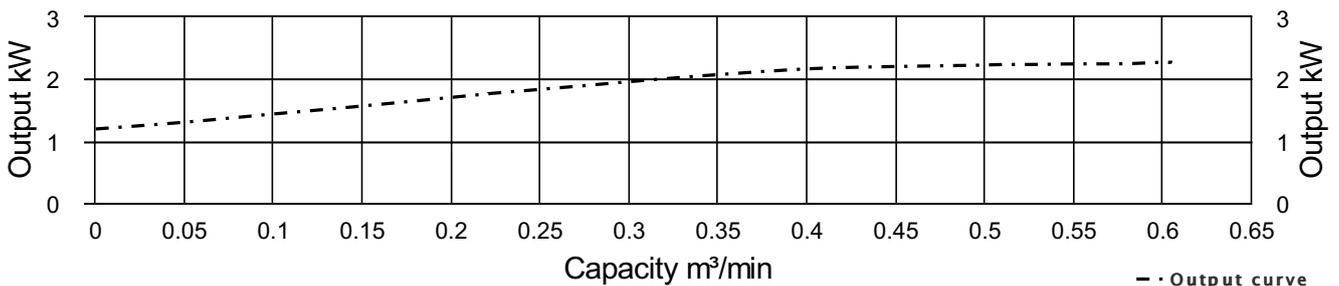
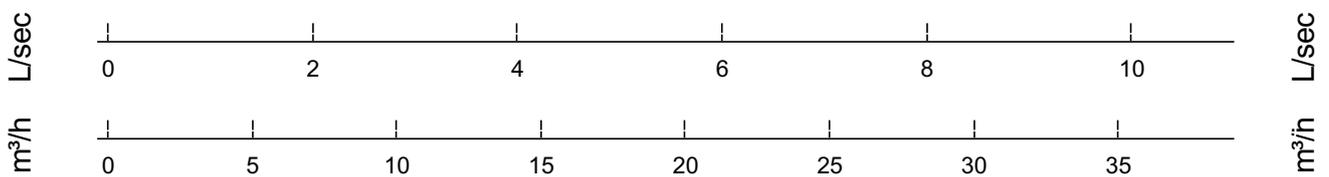
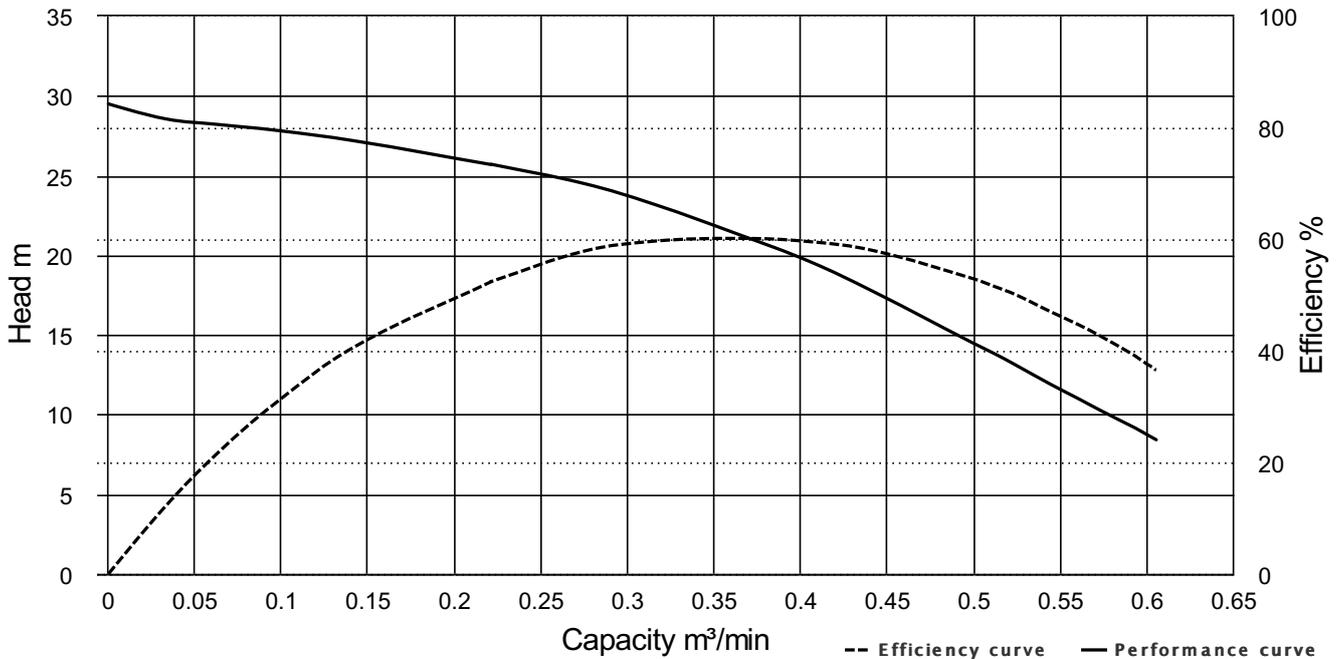
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-23				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	3 HP / 2.2 kW						
Std. Head	23.5 m						
Std. Capacity	0.3 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						



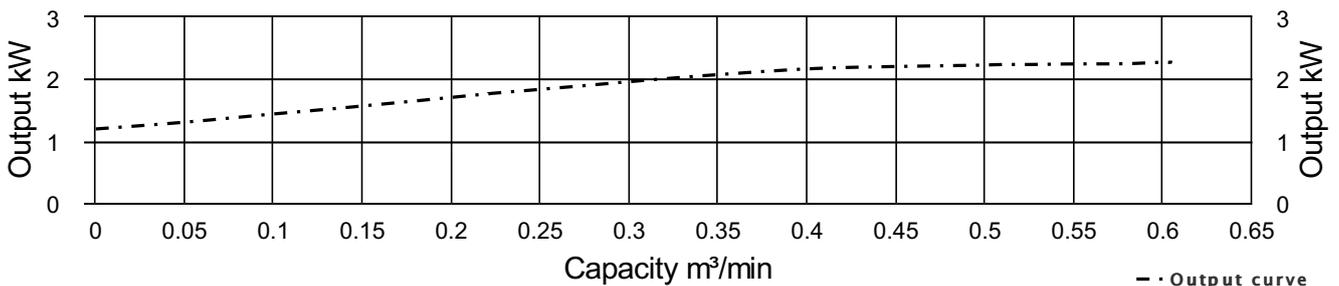
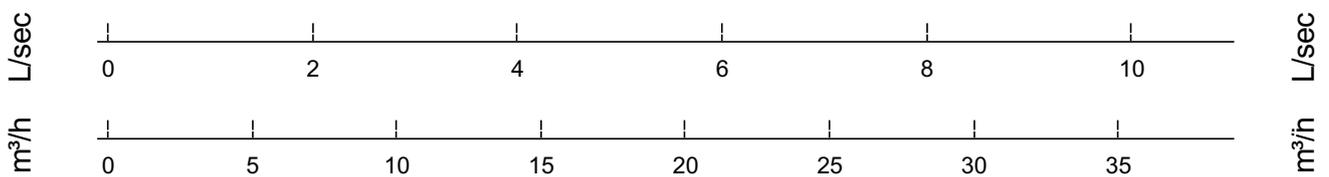
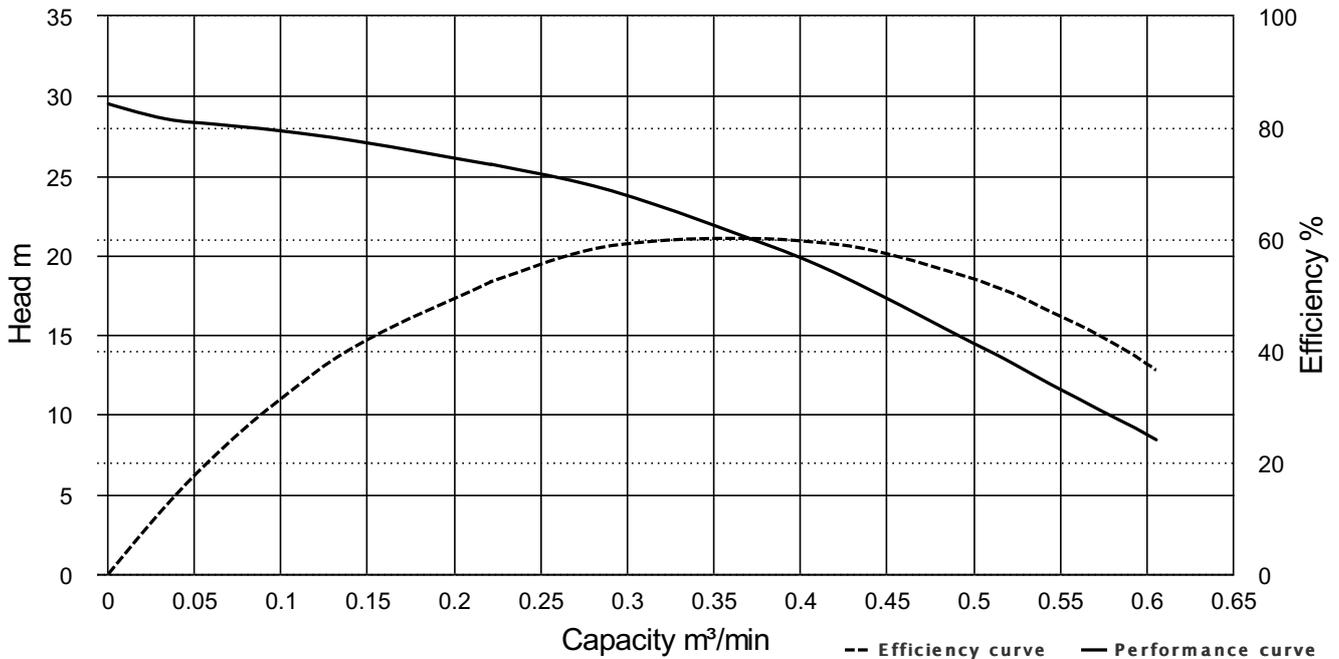
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-23					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	3 HP / 2.2 kW						
Std. Head	23.5 m						
Std. Capacity	0.3 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						



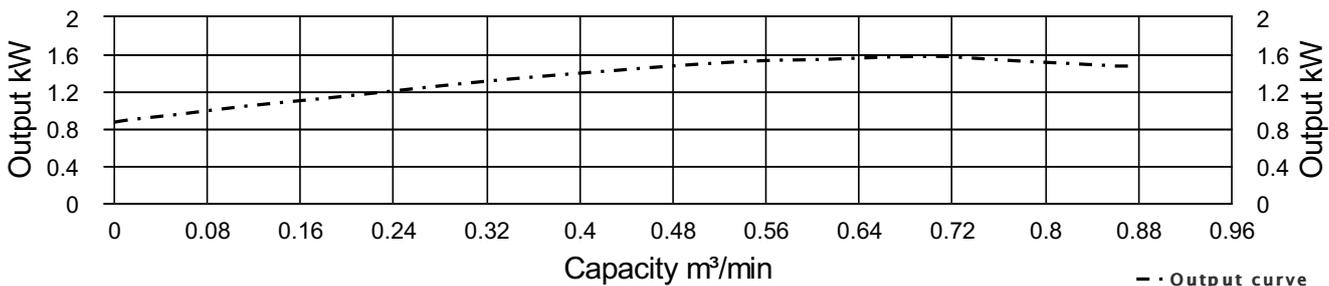
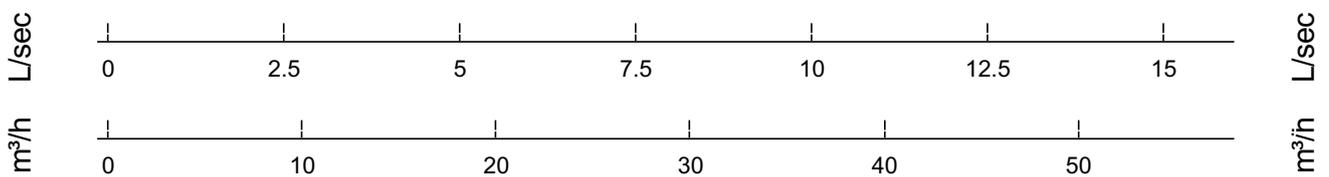
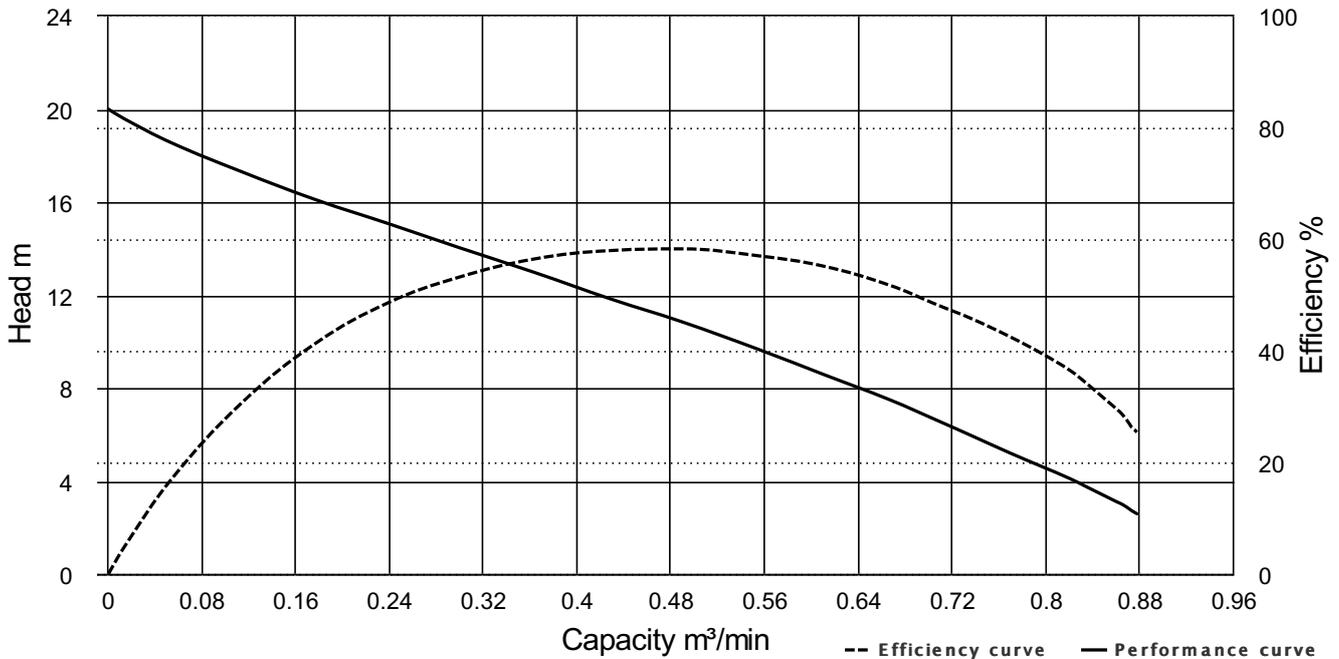
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-32				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	3" / 80 mm						
Power	2 HP / 1.5 kW						
Std. Head	10.5 m						
Std. Capacity	0.5 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						



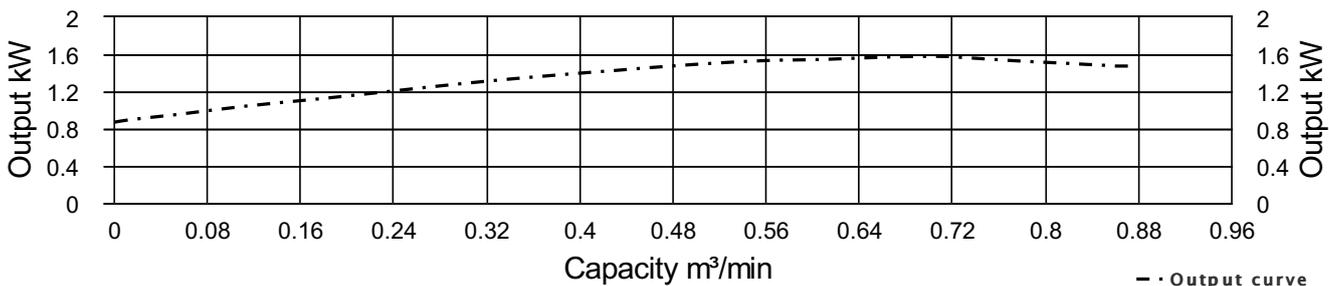
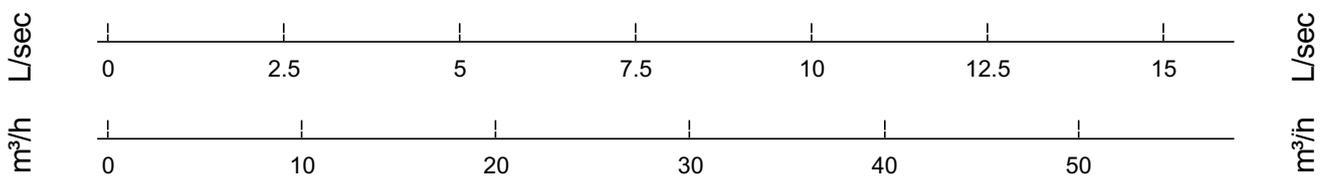
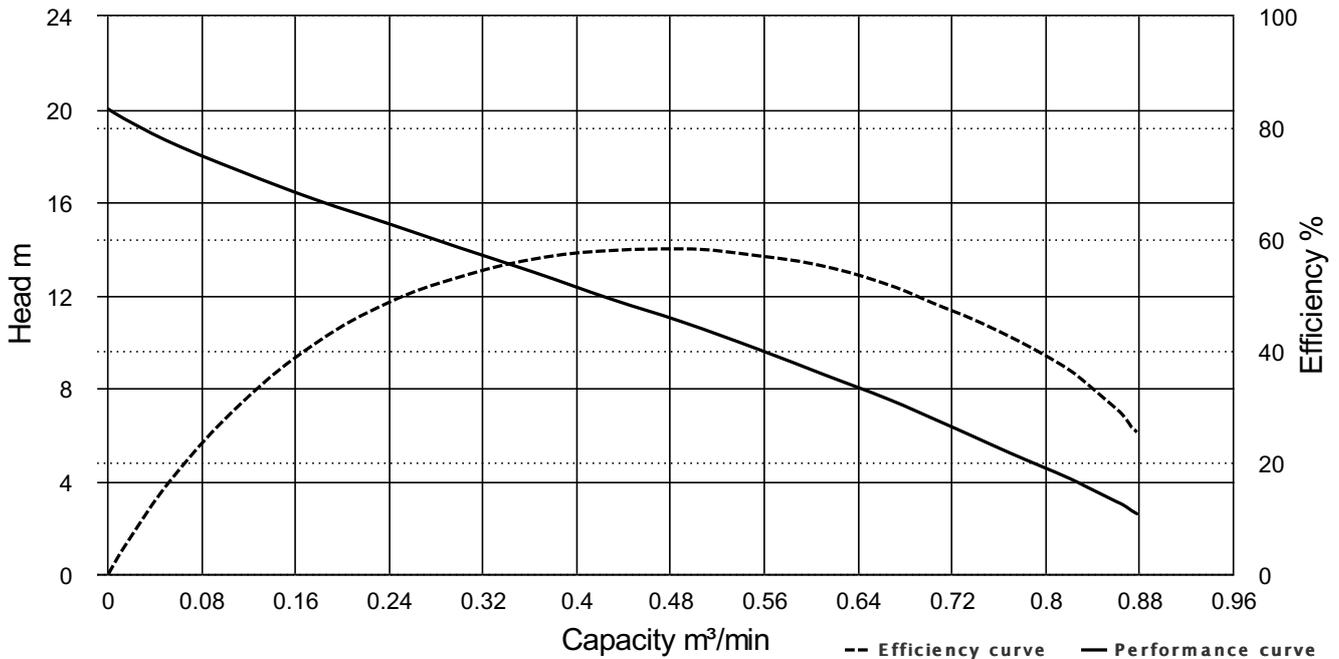
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-32					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	2 HP / 1.5 kW						
Std. Head	10.5 m						
Std. Capacity	0.5 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						



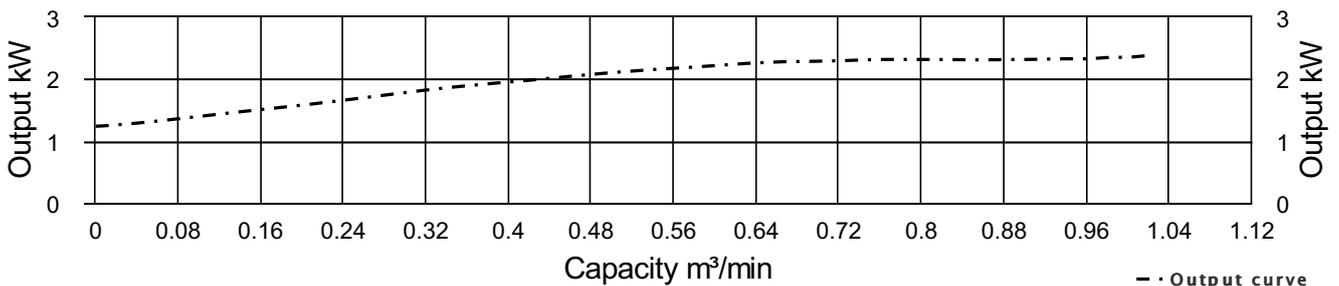
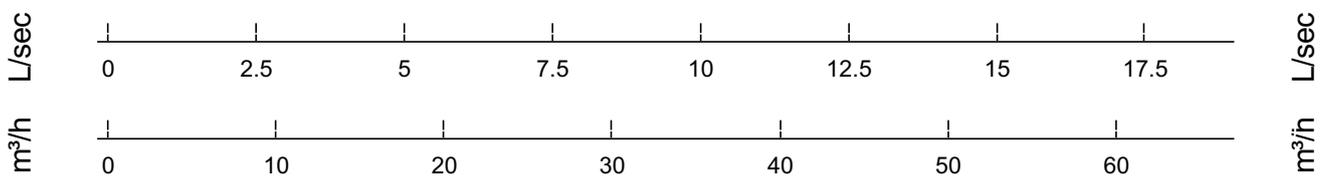
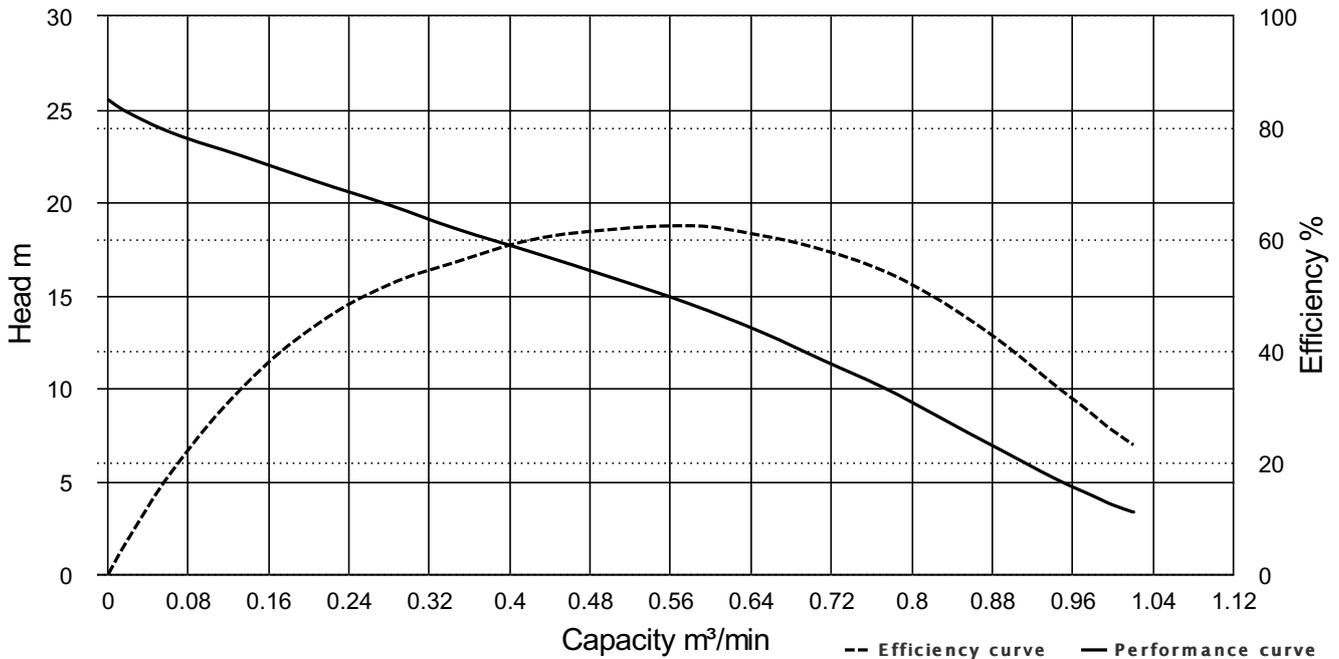
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-33			Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	3" / 80 mm				
Power	3 HP / 2.2 kW				
Std. Head	15.5 m				
Std. Capacity	0.5 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				



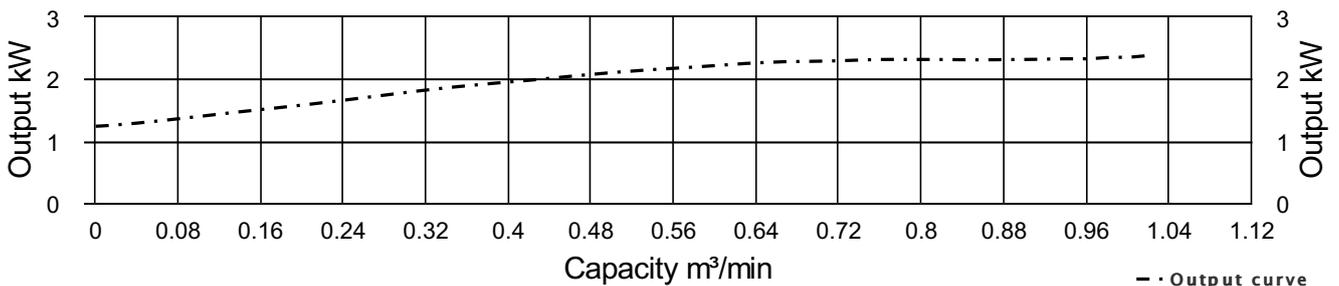
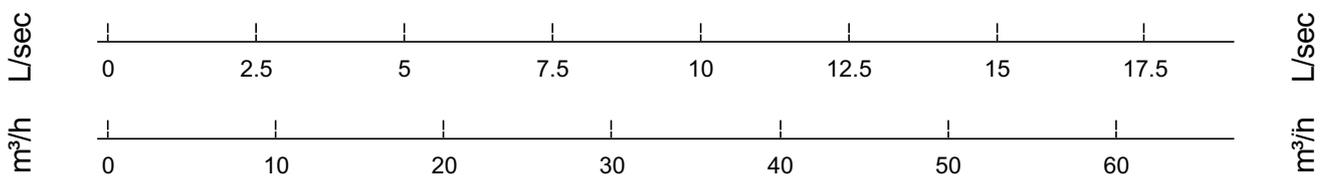
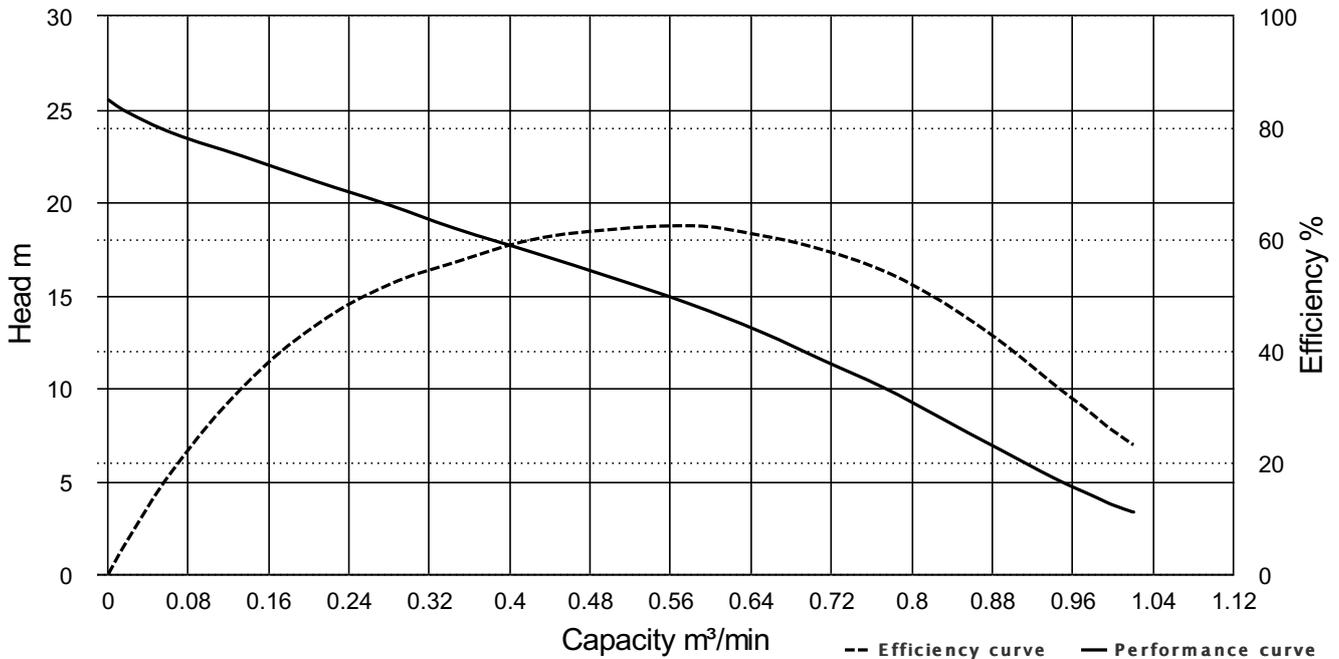
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-33					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	3 HP / 2.2 kW						
Std. Head	15.5 m						
Std. Capacity	0.5 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						



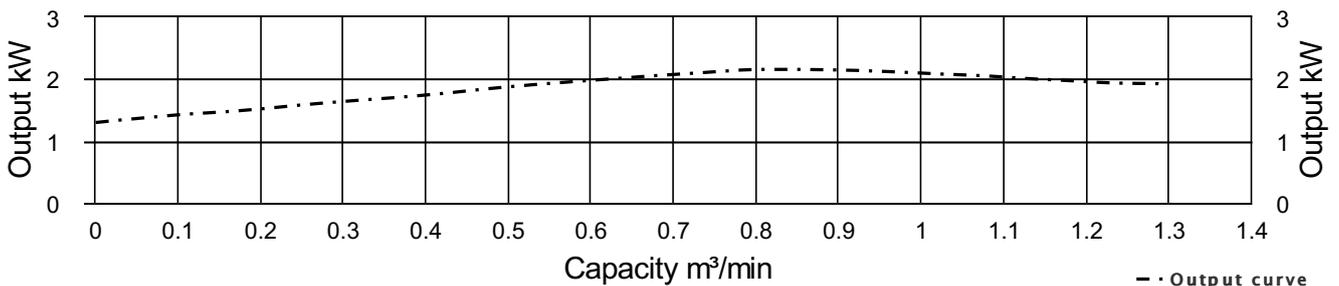
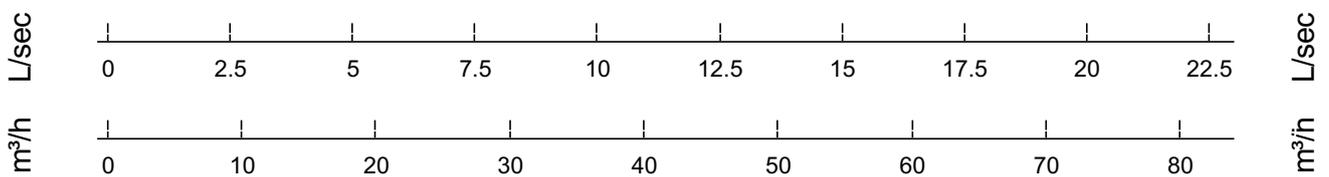
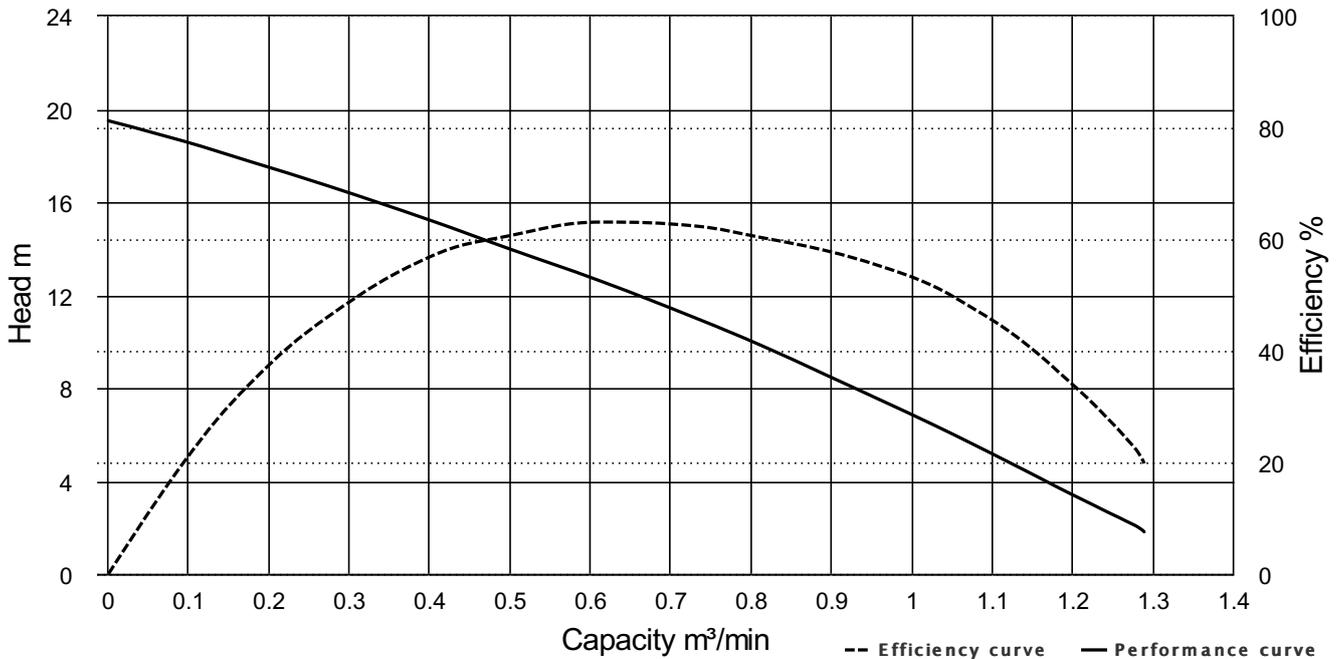
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-43			Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	4" / 100 mm				
Power	3 HP / 2.2 kW				
Std. Head	11.5 m				
Std. Capacity	0.7 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				



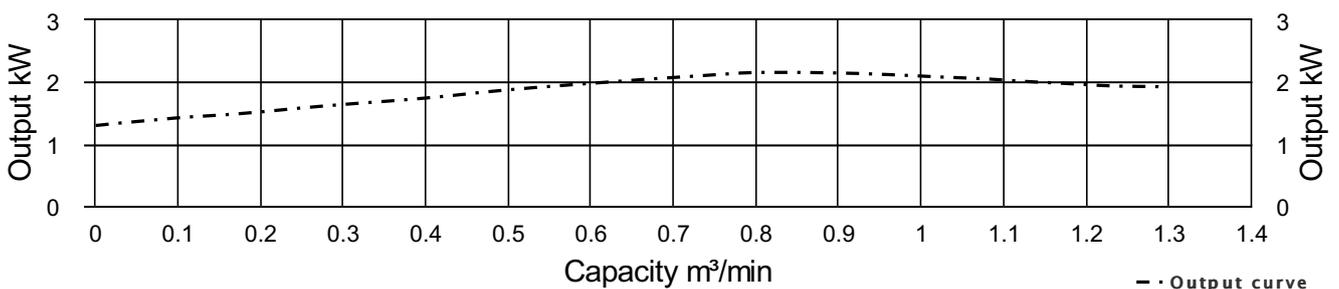
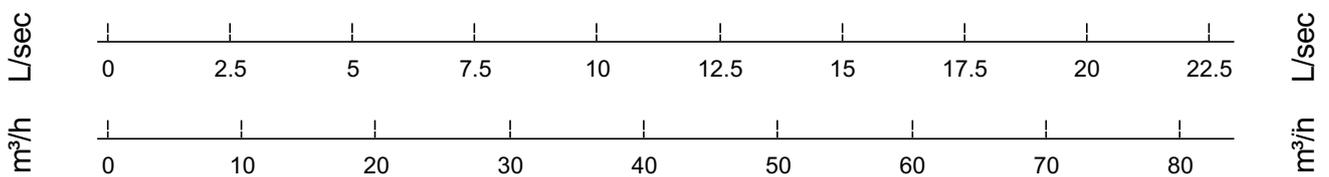
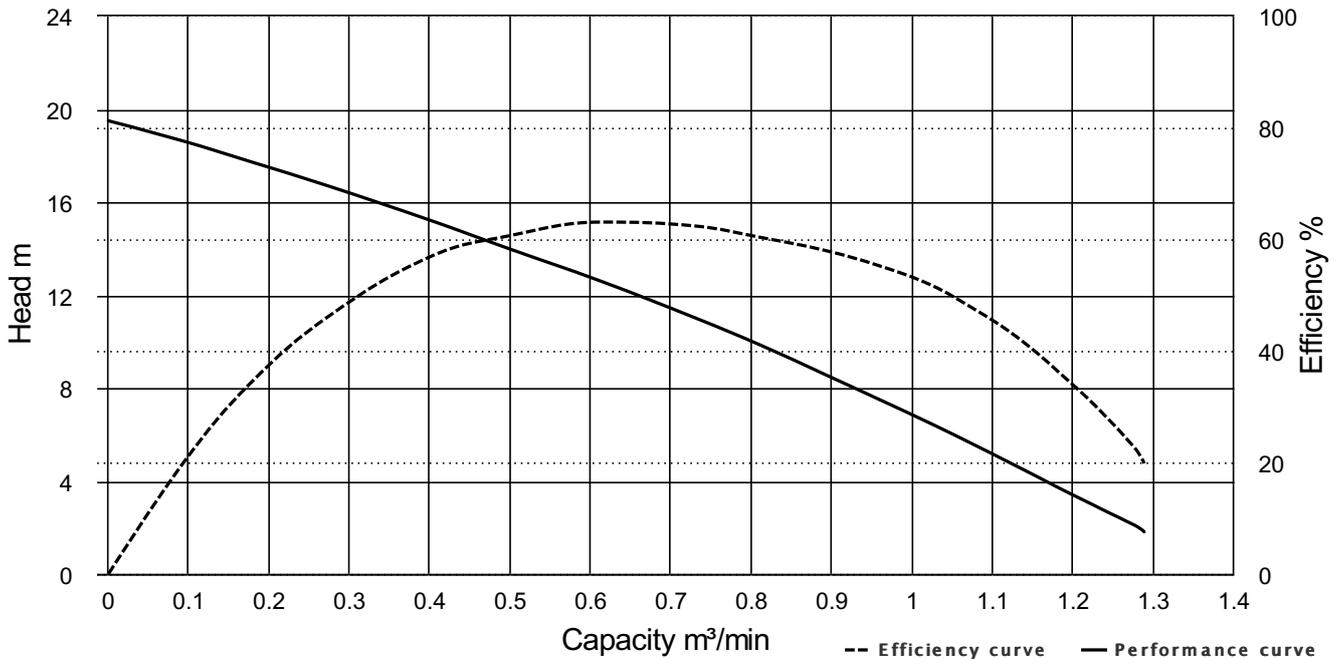
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-43					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	3 HP / 2.2 kW						
Std. Head	11.5 m						
Std. Capacity	0.7 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						



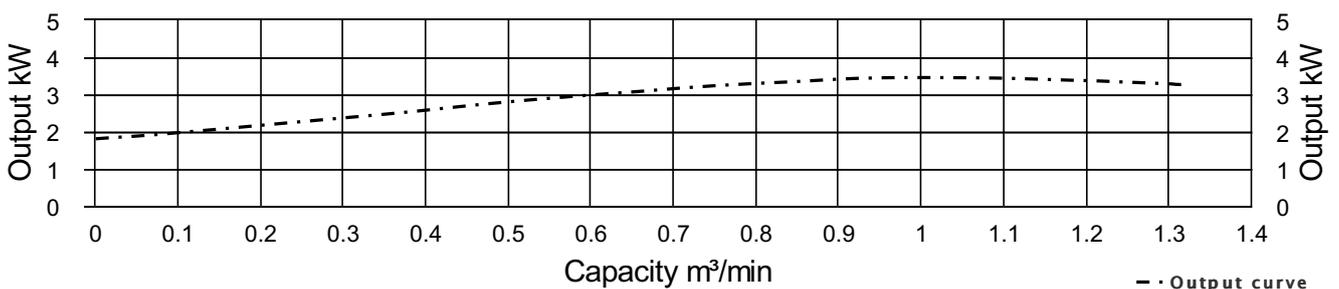
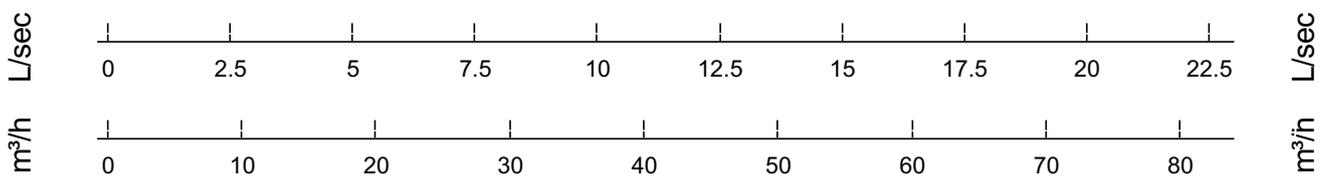
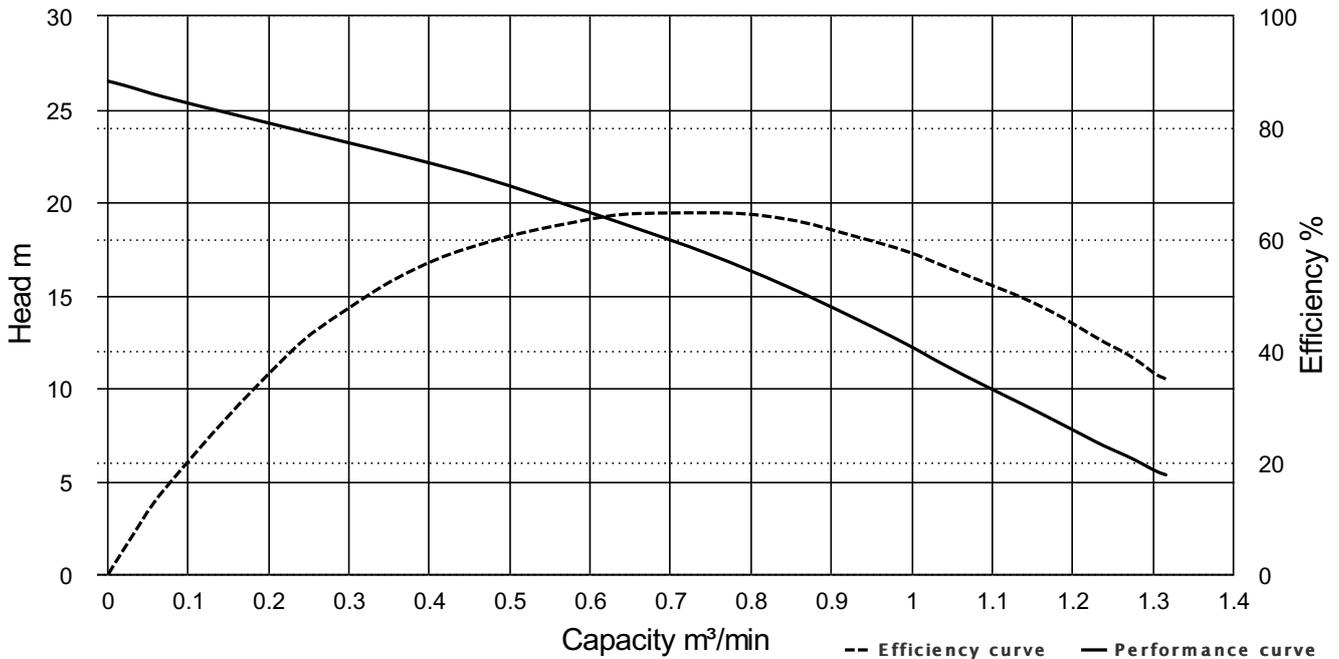
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	AN-35					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	5 HP / 3.7 kW						
Std. Head	19 m						
Std. Capacity	0.6 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 / 2830 rpm						
Start Method	DOL						
Insulation Class	F						



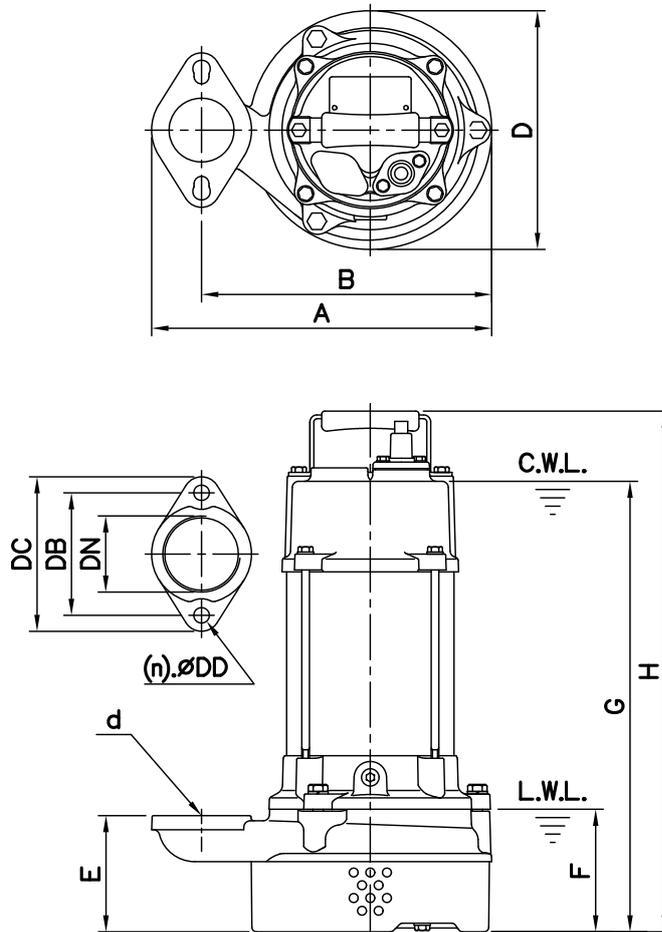
HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS

NO: S2AN0211032-00

MODEL: AN-21 / 21.5

1Ø / 3Ø



Flange	
Female Thread	
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
AN-21 1Ø	50	262	224	187	91	90	353	408	18	EF2-96	50	96	121	12	2	1
AN-21 1Ø	50	262	224	187	91	90	353	408	18	EF1½-96	40	96	121	12	2	1
AN-21 3Ø	50	262	224	187	91	90	353	408	17	EF2-96	50	96	121	12	2	1
AN-21 3Ø	50	262	224	187	91	90	353	408	17	EF1½-96	40	96	121	12	2	1
AN-21.5 1Ø	50	262	224	187	91	90	373	428	20	EF2-96	50	96	121	12	2	1
AN-21.5 1Ø	50	262	224	187	91	90	373	428	20	EF1½-96	40	96	121	12	2	1
AN-21.5 3Ø	50	262	224	187	91	90	353	408	18	EF2-96	50	96	121	12	2	1
AN-21.5 3Ø	50	262	224	187	91	90	353	408	18	EF1½-96	40	96	121	12	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
AN-21 1Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	40	EF2-96	2	3¾	4¾	½	2	1
AN-21 1Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	40	EF1½-96	1½	3¾	4¾	½	2	1
AN-21 3Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	38	EF2-96	2	3¾	4¾	½	2	1
AN-21 3Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	38	EF1½-96	1½	3¾	4¾	½	2	1
AN-21.5 1Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	14⅞	16⅞	44	EF2-96	2	3¾	4¾	½	2	1
AN-21.5 1Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	14⅞	16⅞	44	EF1½-96	1½	3¾	4¾	½	2	1
AN-21.5 3Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	40	EF2-96	2	3¾	4¾	½	2	1
AN-21.5 3Ø	2	10⅞	8⅞	7⅞	3⅞	3⅞	13⅞	16⅞	40	EF1½-96	1½	3¾	4¾	½	2	1

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

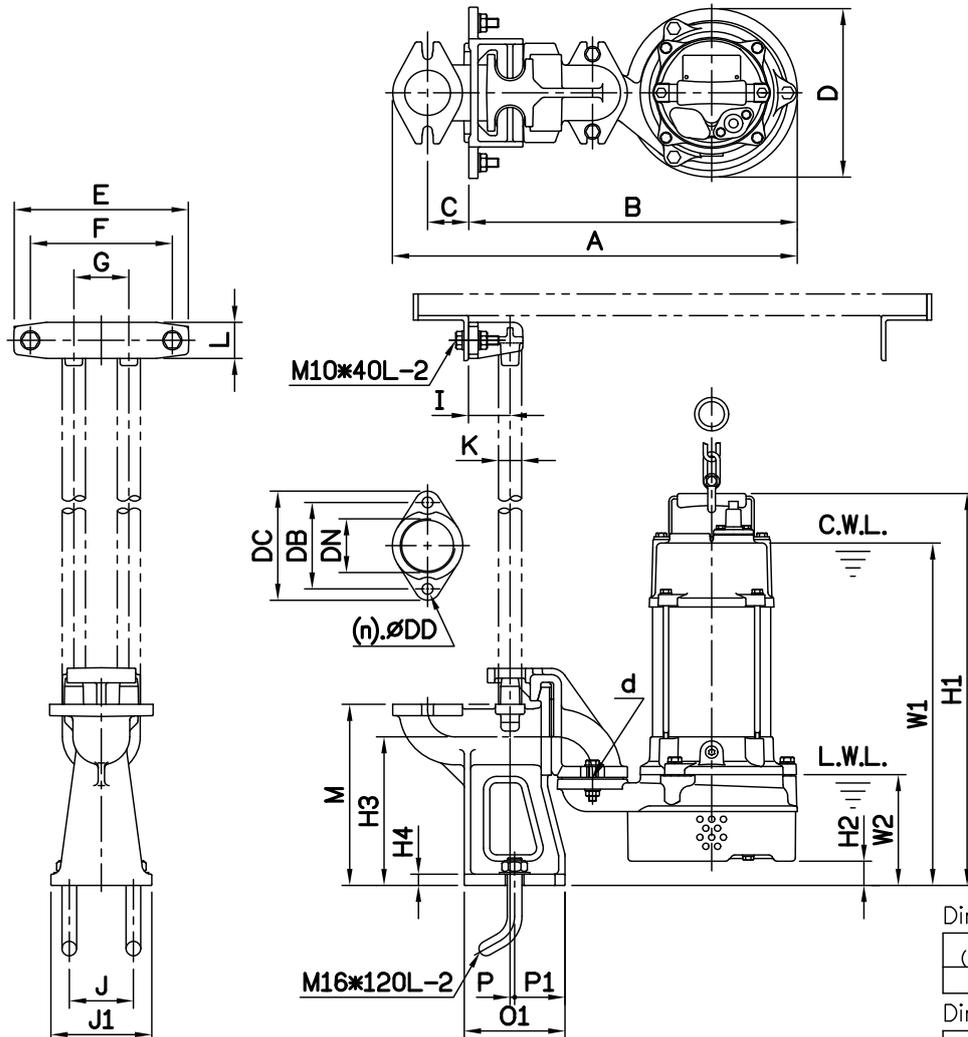
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T2AN0211032-00

MODEL: AN-21 / 21.5

1Ø / 3Ø



Flange	
Female Thread	
PF	NPT

Dimensions-mm

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF2-96	50	96	121	12	2

Dimensions-inch

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF2-96	2	3¾	4¾	½	2

Dimensions-mm

Weight:kg

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
AN-21 1Ø	50	443	359	45	187	190	155	60	45	70	110	¾"	40	201	110	5	55	380	123	435	27	165	13	18	T2-50	9
AN-21.5 1Ø	50	443	359	45	187	190	155	60	45	70	110	¾"	40	201	110	5	55	400	123	455	27	165	13	20	T2-50	9
AN-21 3Ø	50	443	359	45	187	190	155	60	45	70	110	¾"	40	201	110	5	55	380	123	435	27	165	13	17	T2-50	9
AN-21.5 3Ø	50	443	359	45	187	190	155	60	45	70	110	¾"	40	201	110	5	55	380	123	435	27	165	13	18	T2-50	9

Dimensions-inch

Weight:lb

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
AN-21 1Ø	2	17¼	14¾	1¾	7⅝	7½	6⅝	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅝	4⅝	⅝	2⅝	14⅝	4⅝	17⅝	1⅞	6½	½	40	T2-50	19
AN-21.5 1Ø	2	17¼	14¾	1¾	7⅝	7½	6⅝	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅝	4⅝	⅝	2⅝	15¾	4⅝	17⅝	1⅞	6½	½	44	T2-50	19
AN-21 3Ø	2	17¼	14¾	1¾	7⅝	7½	6⅝	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅝	4⅝	⅝	2⅝	14⅝	4⅝	17⅝	1⅞	6½	½	37	T2-50	19
AN-21.5 3Ø	2	17¼	14¾	1¾	7⅝	7½	6⅝	2⅝	1¾	2¾	4⅝	¾	1⅞	7⅝	4⅝	⅝	2⅝	14⅝	4⅝	17⅝	1⅞	6½	½	40	T2-50	19

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

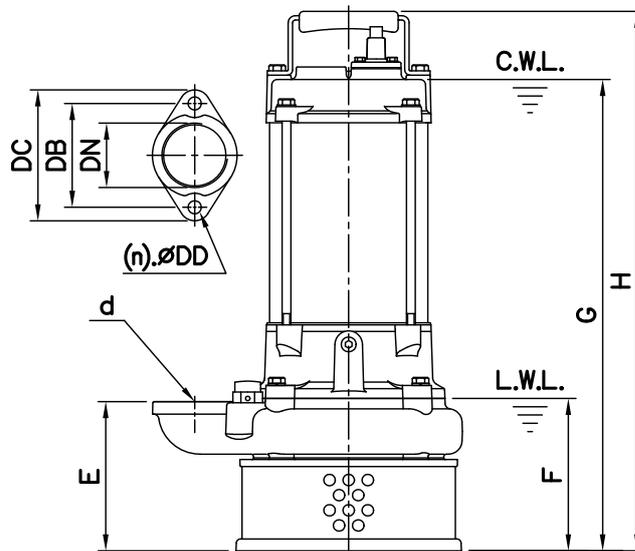
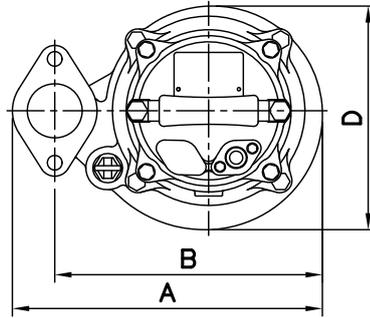
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S2AN0222032-00

MODEL: AN-22 / 23

1Ø / 3Ø



Flange	
Female Thread	
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
AN-22 1Ø	50	282	244	207	138	141	517	580	31	EF2-96	50	96	121	12	2	1
AN-22 3Ø	50	282	244	207	138	141	436	499	27	EF2-96	50	96	121	12	2	1
AN-23 1Ø	50	282	244	207	138	141	529	592	35	EF2-96	50	96	121	12	2	1
AN-23 3Ø	50	282	244	207	138	141	436	499	30	EF2-96	50	96	121	12	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
AN-22 1Ø	2	11 ¹ / ₈	9 ⁵ / ₈	8 ¹ / ₈	5 ³ / ₁₆	5 ⁵ / ₁₆	20 ⁷ / ₁₆	22 ³ / ₁₆	68	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/2	2	1
AN-22 3Ø	2	11 ¹ / ₈	9 ⁵ / ₈	8 ¹ / ₈	5 ³ / ₁₆	5 ⁵ / ₁₆	17 ³ / ₁₆	19 ⁵ / ₁₆	60	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/2	2	1
AN-23 1Ø	2	11 ¹ / ₈	9 ⁵ / ₈	8 ¹ / ₈	5 ³ / ₁₆	5 ⁵ / ₁₆	20 ¹ / ₁₆	23 ⁵ / ₁₆	77	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/2	2	1
AN-23 3Ø	2	11 ¹ / ₈	9 ⁵ / ₈	8 ¹ / ₈	5 ³ / ₁₆	5 ⁵ / ₁₆	17 ³ / ₁₆	19 ⁵ / ₁₆	66	EF2-96	2	3 ³ / ₄	4 ³ / ₄	1/2	2	1

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

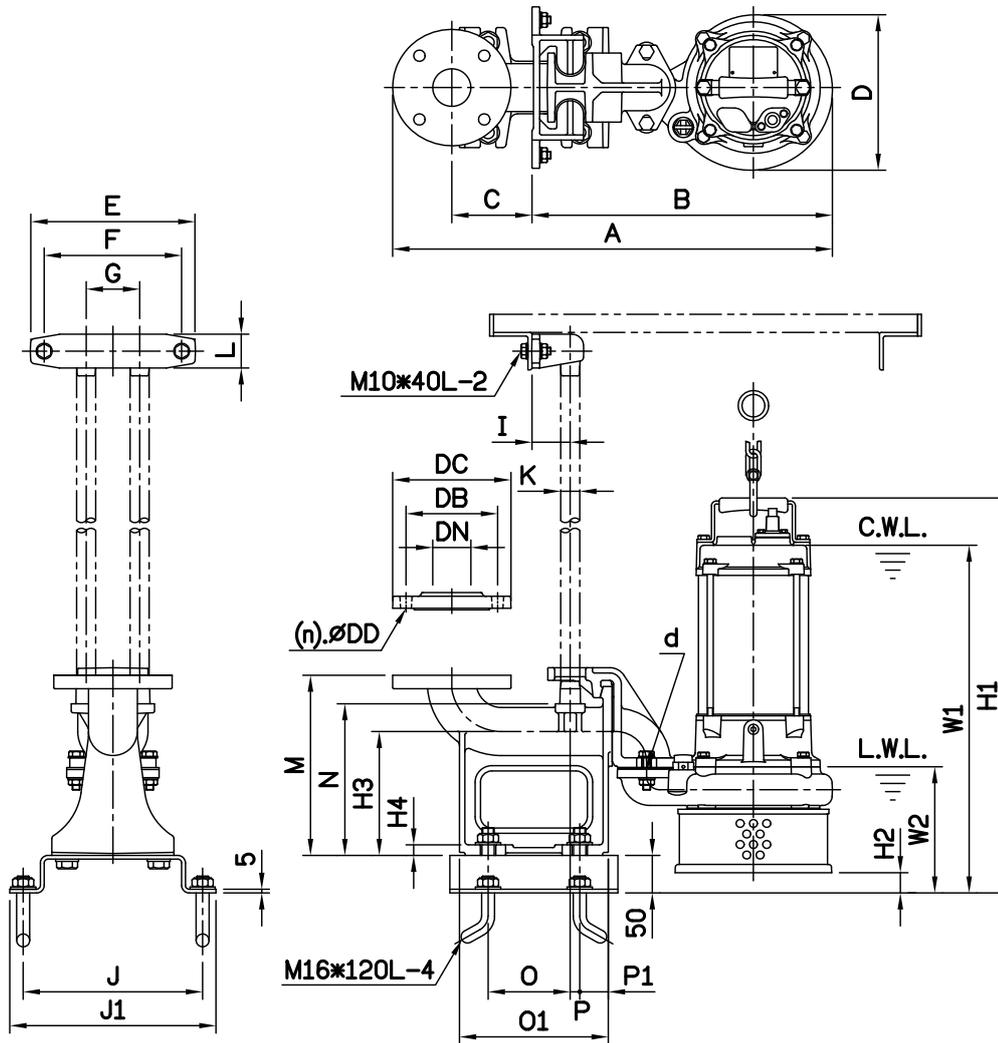
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T2AN0222032-00

MODEL: AN-22 / 23

1Ø / 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions-mm

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF2-120	50	120	155	15	4

Dimensions-inch

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF2-120	2	4 3/4	6 1/8	9/16	4

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
AN-22 1Ø	50	557	394	105	207	215	180	70	50	235	270	1"	45	240	202	108	195	13	38	544	168	607	27	165	14	31	T50E-E5	21
AN-23 1Ø	50	557	394	105	207	215	180	70	50	235	270	1"	45	240	202	108	195	13	38	556	168	619	27	165	14	35	T50E-E5	21
AN-22 3Ø	50	557	394	105	207	215	180	70	50	235	270	1"	45	240	202	108	195	13	38	463	168	526	27	165	14	27	T50E-E5	21
AN-23 3Ø	50	557	394	105	207	215	180	70	50	235	270	1"	45	240	202	108	195	13	38	463	168	526	27	165	14	30	T50E-E5	21

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
AN-22 1Ø	2	21 15/16	15 1/2	4 1/8	8 1/8	8 3/16	7 1/8	2 3/4	2	9 3/4	10 5/8	1	1 3/4	9 5/16	7 15/16	4 1/4	7 1/2	1/2	1 1/2	21 1/16	6 5/8	23 3/8	1 1/8	6 1/2	9/16	68	T50E-E5	47
AN-23 1Ø	2	21 15/16	15 1/2	4 1/8	8 1/8	8 3/16	7 1/8	2 3/4	2	9 3/4	10 5/8	1	1 3/4	9 5/16	7 15/16	4 1/4	7 1/2	1/2	1 1/2	21 1/8	6 5/8	24 3/8	1 1/8	6 1/2	9/16	77	T50E-E5	47
AN-22 3Ø	2	21 15/16	15 1/2	4 1/8	8 1/8	8 3/16	7 1/8	2 3/4	2	9 3/4	10 5/8	1	1 3/4	9 5/16	7 15/16	4 1/4	7 1/2	1/2	1 1/2	18 1/4	6 5/8	20 11/16	1 1/8	6 1/2	9/16	60	T50E-E5	47
AN-23 3Ø	2	21 15/16	15 1/2	4 1/8	8 1/8	8 3/16	7 1/8	2 3/4	2	9 3/4	10 5/8	1	1 3/4	9 5/16	7 15/16	4 1/4	7 1/2	1/2	1 1/2	18 1/4	6 5/8	20 11/16	1 1/8	6 1/2	9/16	66	T50E-E5	47

Weight:lb

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

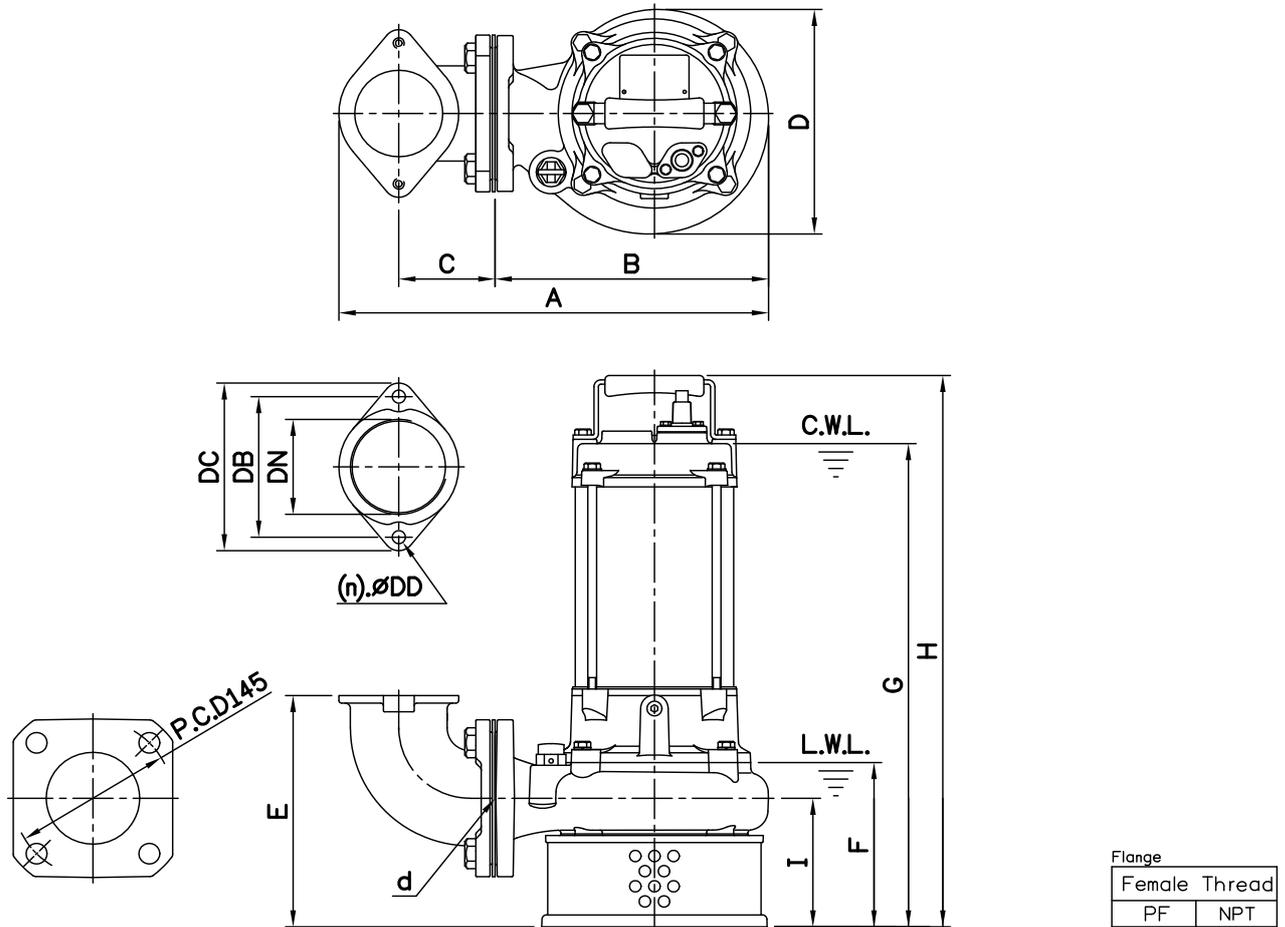
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AN0222032-00

MODEL: AN-32 / 33

1Ø / 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
AN-32 1Ø	80	391	249	88	208	214	152	528	591	119	33	EB3-130	80	130	155	12	2	5
AN-32 3Ø	80	391	249	88	208	214	152	447	510	119	29	EB3-130	80	130	155	12	2	5
AN-33 1Ø	80	391	249	88	208	214	152	540	603	119	37	EB3-130	80	130	155	12	2	5
AN-33 3Ø	80	391	249	88	208	214	152	447	510	119	32	EB3-130	80	130	155	12	2	5

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
AN-32 1Ø	3	15 ³ / ₈	9 ¹³ / ₁₆	3 ⁷ / ₁₆	8 ³ / ₁₆	8 ⁷ / ₁₆	6	20 ⁷ / ₁₆	23 ³ / ₄	4 ¹ / ₁₆	73	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
AN-32 3Ø	3	15 ³ / ₈	9 ¹³ / ₁₆	3 ⁷ / ₁₆	8 ³ / ₁₆	8 ⁷ / ₁₆	6	17 ⁵ / ₈	20 ³ / ₁₆	4 ¹ / ₁₆	64	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
AN-33 1Ø	3	15 ³ / ₈	9 ¹³ / ₁₆	3 ⁷ / ₁₆	8 ³ / ₁₆	8 ⁷ / ₁₆	6	21 ¹ / ₄	23 ³ / ₄	4 ¹ / ₁₆	82	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
AN-33 3Ø	3	15 ³ / ₈	9 ¹³ / ₁₆	3 ⁷ / ₁₆	8 ³ / ₁₆	8 ⁷ / ₁₆	6	17 ⁵ / ₈	20 ³ / ₁₆	4 ¹ / ₁₆	71	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11

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

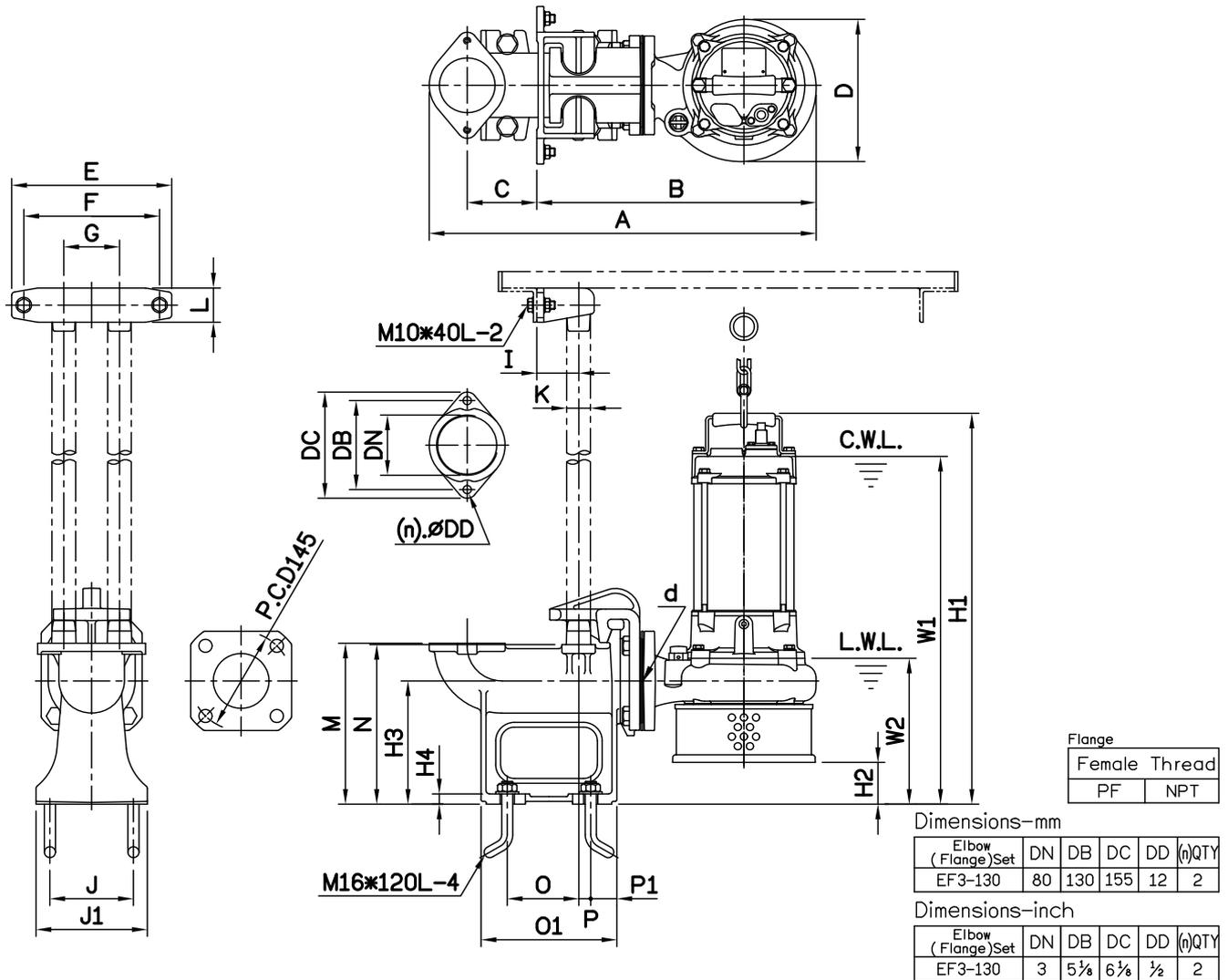
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AN0222032-00

MODEL: AN-32 / 33

1Ø / 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
AN-32 1Ø	80	557	402	100	208	230	195	80	60	120	160	1 1/4	50	235	233	103	195	18	38	589	213	652	61	180	15	33	T2-80	20
AN-33 1Ø	80	557	402	100	208	230	195	80	60	120	160	1 1/4	50	235	233	103	195	18	38	601	213	664	61	180	15	37	T2-80	20
AN-32 3Ø	80	557	402	100	208	230	195	80	60	120	160	1 1/4	50	235	233	103	195	18	38	508	213	571	61	180	15	29	T2-80	20
AN-33 3Ø	80	557	402	100	208	230	195	80	60	120	160	1 1/4	50	235	233	103	195	18	38	508	213	571	61	180	15	32	T2-80	20

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
AN-32 1Ø	3	21 15/16	15 3/16	3 15/16	8 3/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 1/8	1 1/4	2	9 3/4	9 3/16	4 1/16	7 1/16	1 1/16	1 1/2	23 3/16	8 3/8	25 11/16	2 3/8	7 1/16	5/16	73	T2-80	43
AN-33 1Ø	3	21 15/16	15 3/16	3 15/16	8 3/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 1/8	1 1/4	2	9 3/4	9 3/16	4 1/16	7 1/16	1 1/16	1 1/2	23 11/16	8 3/8	26 1/16	2 3/8	7 1/16	5/16	82	T2-80	43
AN-32 3Ø	3	21 15/16	15 3/16	3 15/16	8 3/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 1/8	1 1/4	2	9 3/4	9 3/16	4 1/16	7 1/16	1 1/16	1 1/2	20	8 3/8	22 1/2	2 3/8	7 1/16	5/16	64	T2-80	43
AN-33 3Ø	3	21 15/16	15 3/16	3 15/16	8 3/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 1/8	1 1/4	2	9 3/4	9 3/16	4 1/16	7 1/16	1 1/16	1 1/2	20	8 3/8	22 1/2	2 3/8	7 1/16	5/16	71	T2-80	43

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

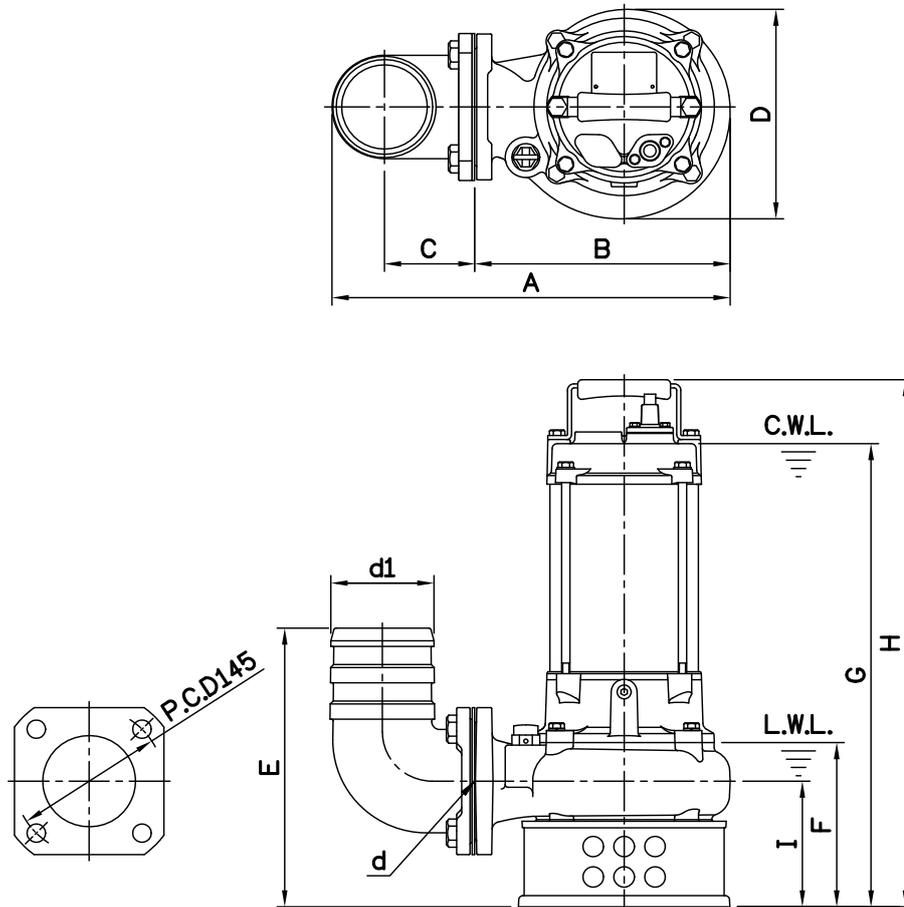
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S4AN0222032-00

MODEL: AN-43

1Ø / 3Ø



Dimensions-mm

Weight:kg

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	d1	WT2
AN-43 1Ø	80	389	248	88	207	275	162	538	601	124	37	EBH4-(145)	100	6
AN-43 3Ø	80	389	248	88	207	275	162	457	520	124	32	EBH4-(145)	100	6

Dimensions-inch

Weight:lb

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	d1	WT2
AN-43 1Ø	3	15 ⁵ / ₁₆	9 ³ / ₄	3 ⁷ / ₁₆	8 ¹ / ₈	10 ³ / ₁₆	6 ³ / ₈	21 ³ / ₁₆	23 ¹¹ / ₁₆	4 ⁷ / ₈	82	EBH4-(145)	4	13
AN-43 3Ø	3	15 ⁵ / ₁₆	9 ³ / ₄	3 ⁷ / ₁₆	8 ¹ / ₈	10 ³ / ₁₆	6 ³ / ₈	18	20 ¹ / ₂	4 ⁷ / ₈	71	EBH4-(145)	4	13

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

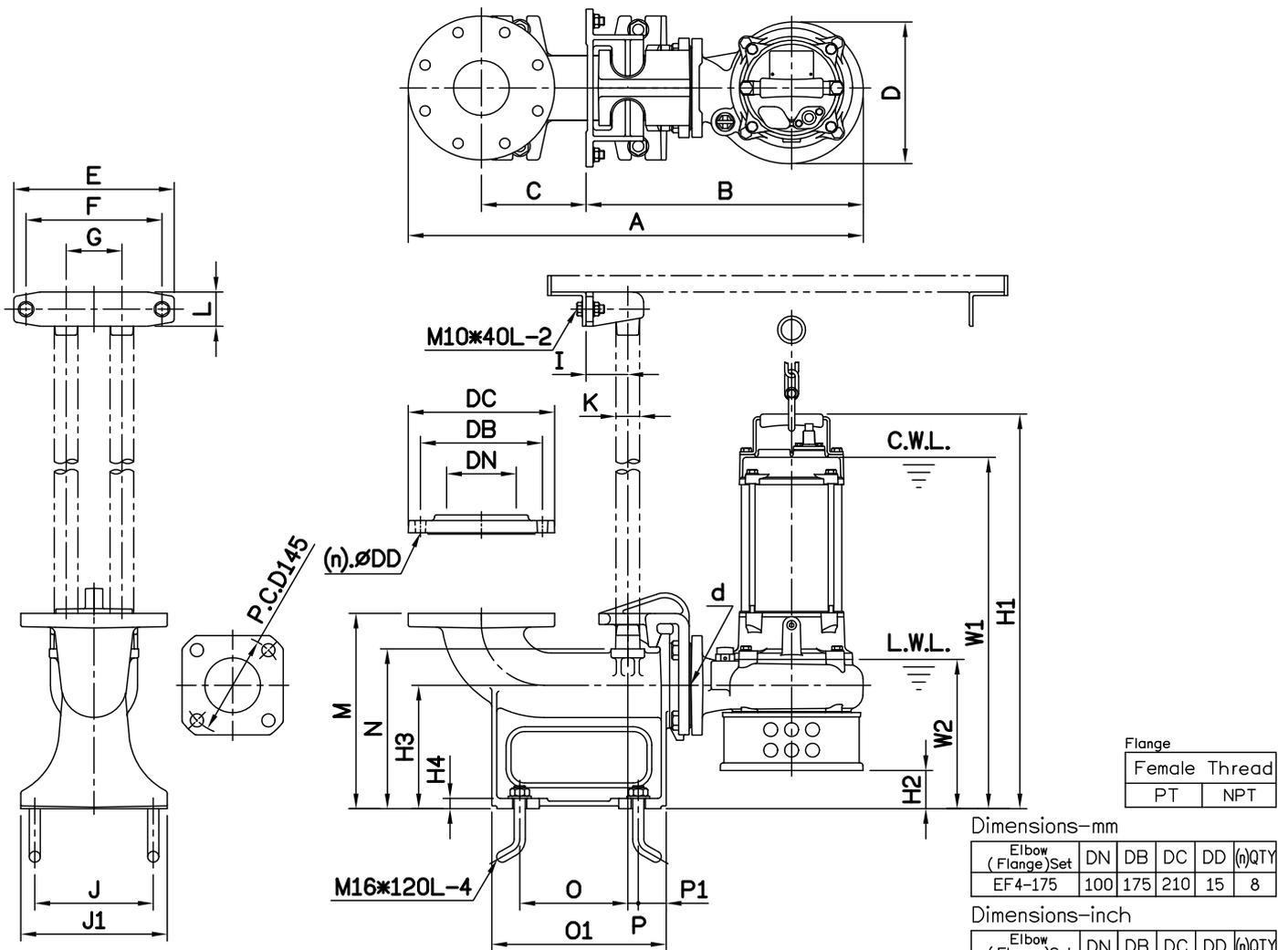
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T4AN0222032-00

MODEL: AN-43

1Ø / 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	Weight:kg	
																											GRS Set	WT2
AN-43 1Ø	80	656	401	150	207	230	195	80	60	170	210	1 1/4	50	285	233	155	250	15	40	594	217	657	27	180	15	37	T100(80)B	30
AN-43 3Ø	80	656	401	150	207	230	195	80	60	170	210	1 1/4	50	285	233	155	250	15	40	513	217	576	27	180	15	32	T100(80)B	30

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	Weight:lb	
																											GRS Set	WT2
AN-43 1Ø	3	25 7/8	15 3/8	5 15/16	8 1/8	9 1/16	7 11/16	3 3/8	2 3/8	6 11/16	8 1/4	1 1/4	2	11 1/4	9 3/16	6 1/8	9 9/16	5/8	1 5/8	23 3/8	8 5/16	25 7/8	1 1/16	7 1/16	5/16	82	T100(80)B	67
AN-43 3Ø	3	25 7/8	15 3/8	5 15/16	8 1/8	9 1/16	7 11/16	3 3/8	2 3/8	6 11/16	8 1/4	1 1/4	2	11 1/4	9 3/16	6 1/8	9 9/16	5/8	1 5/8	20 3/16	8 5/16	22 1/16	1 1/16	7 1/16	5/16	71	T100(80)B	67

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

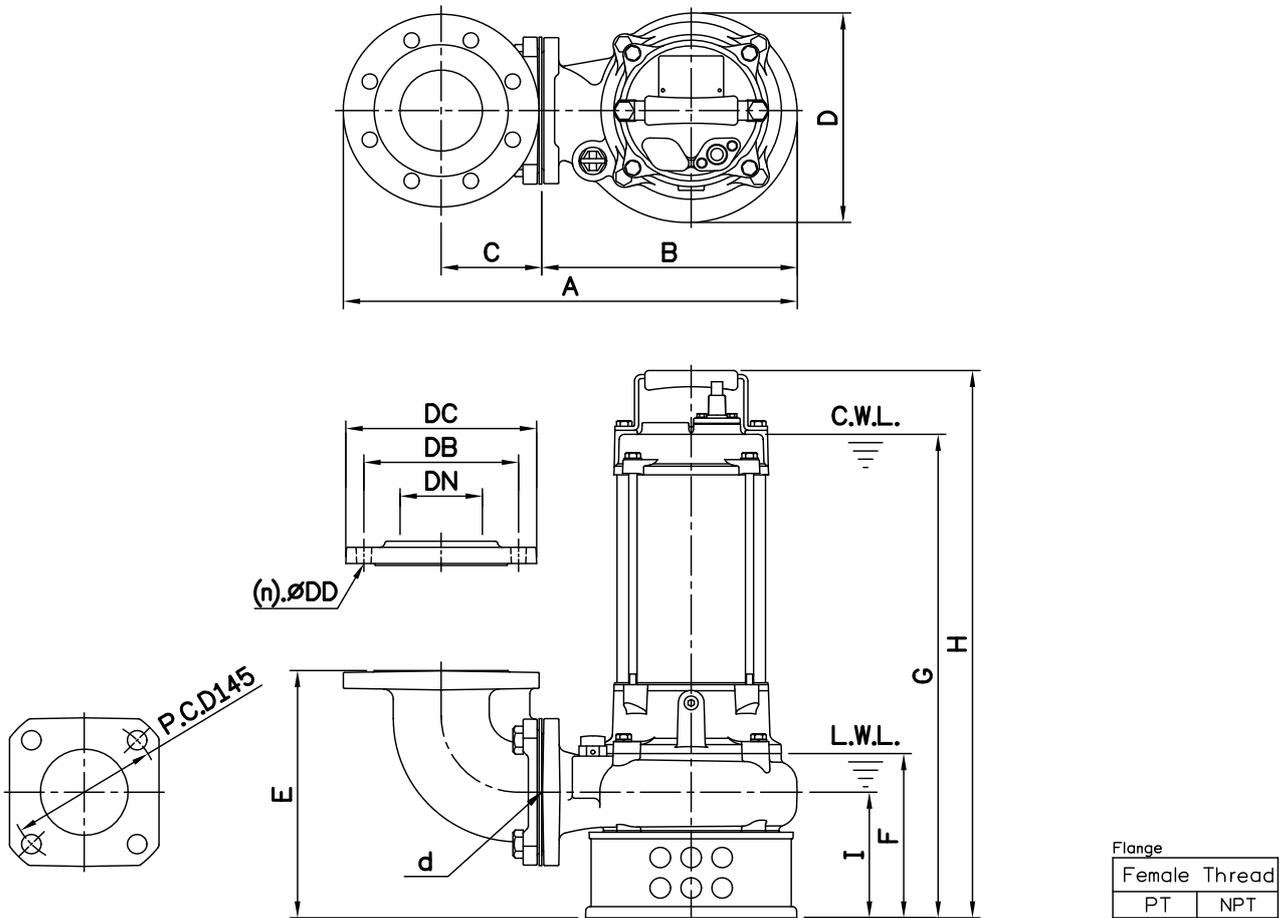
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AN0237032-00

MODEL: AN-35

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
AN-35	80	440	248	98	207	244	162	477	540	124	35	EB3-150A	80	150	185	15	8	12

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
AN-35	3	17 ¹ / ₈	9 ³ / ₄	3 ⁷ / ₈	8 ¹ / ₈	9 ⁵ / ₈	6 ³ / ₈	18 ³ / ₄	21 ¹ / ₄	4 ⁷ / ₈	77	EB3-150A	3	5 ⁷ / ₈	7 ³ / ₈	3 ¹ / ₈	8	26

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

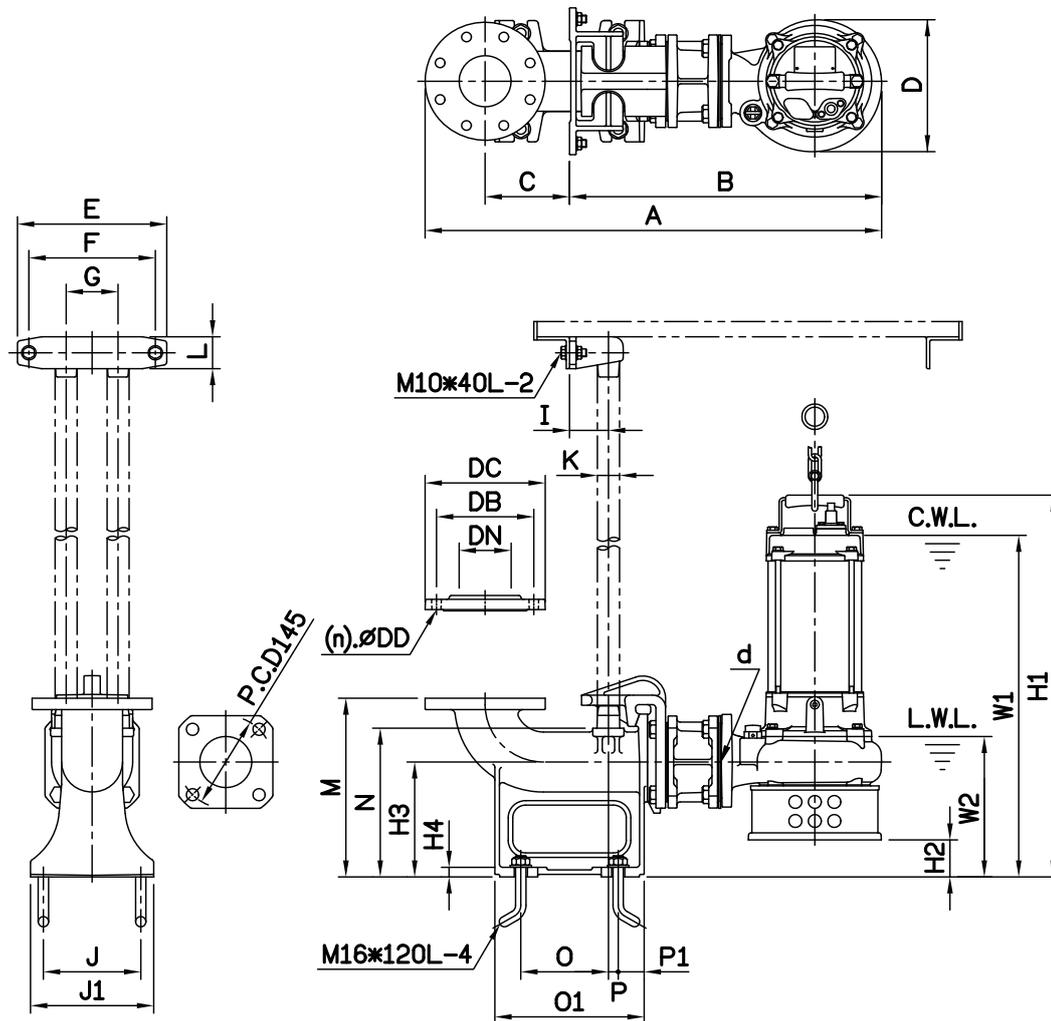
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AN0237032-00

MODEL: AN-35

3Ø



Flange	
Female Thread	
PT	NPT

Dimensions—mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	80	150	185	15	8

Dimensions—inch

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	3	5 ⁷ / ₁₆	7 ⁷ / ₁₆	9 ¹ / ₁₆	8

Dimensions—mm

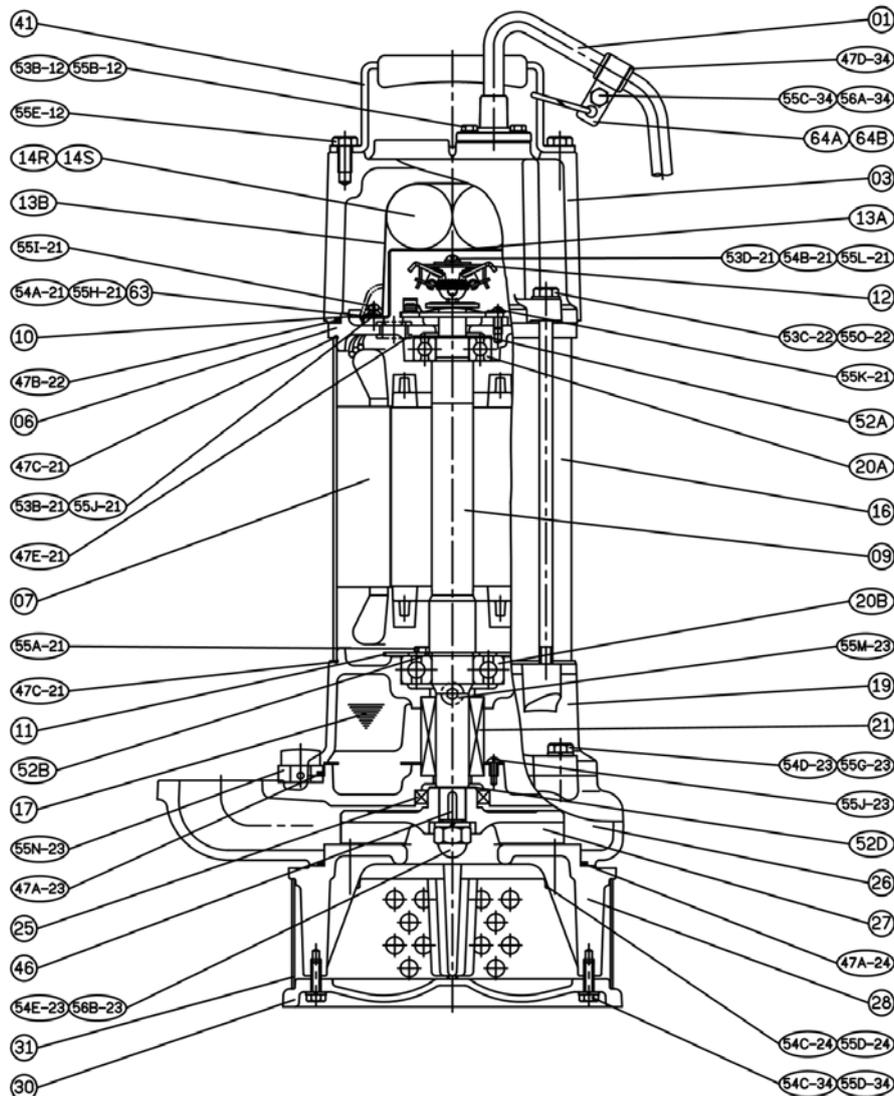
Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	Weight:kg	
																											GRS Set	WT2
AN-35	80	703	481	130	207	230	195	80	60	150	190	1 ¹ / ₄ "	50	280	233	135	230	15	40	535	220	598	58	180	15	35	T80DH	31

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	Weight:lb	
																											GRS Set	WT2
AN-35	3	27 ¹ / ₁₆	18 ³ / ₁₆	5 ¹ / ₁₆	8 ¹ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₁₆	3 ³ / ₁₆	2 ³ / ₁₆	5 ¹ / ₁₆	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ¹ / ₁₆	9 ¹ / ₁₆	1 ¹ / ₁₆	21 ¹ / ₁₆	8 ¹ / ₁₆	23 ³ / ₁₆	2 ¹ / ₁₆	7 ¹ / ₁₆	9 ¹ / ₁₆	77	T80DH	68

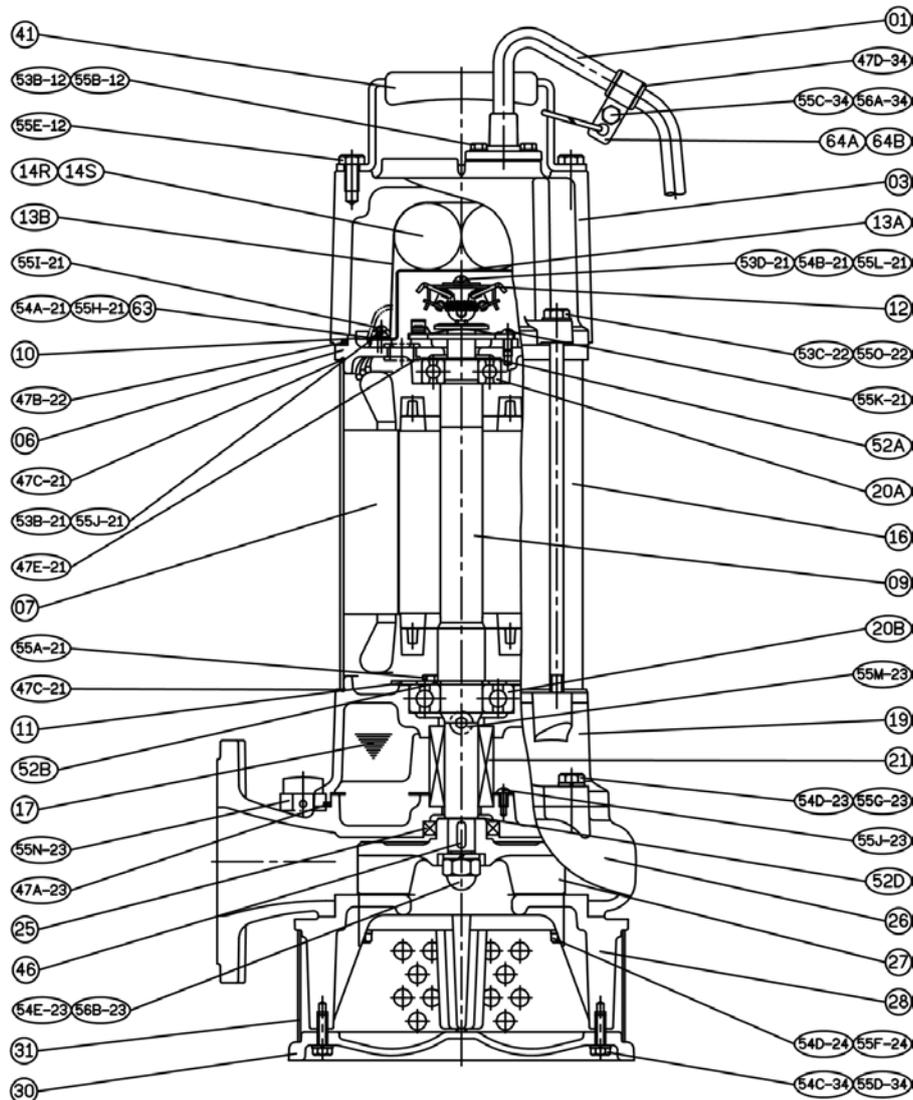
C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level

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



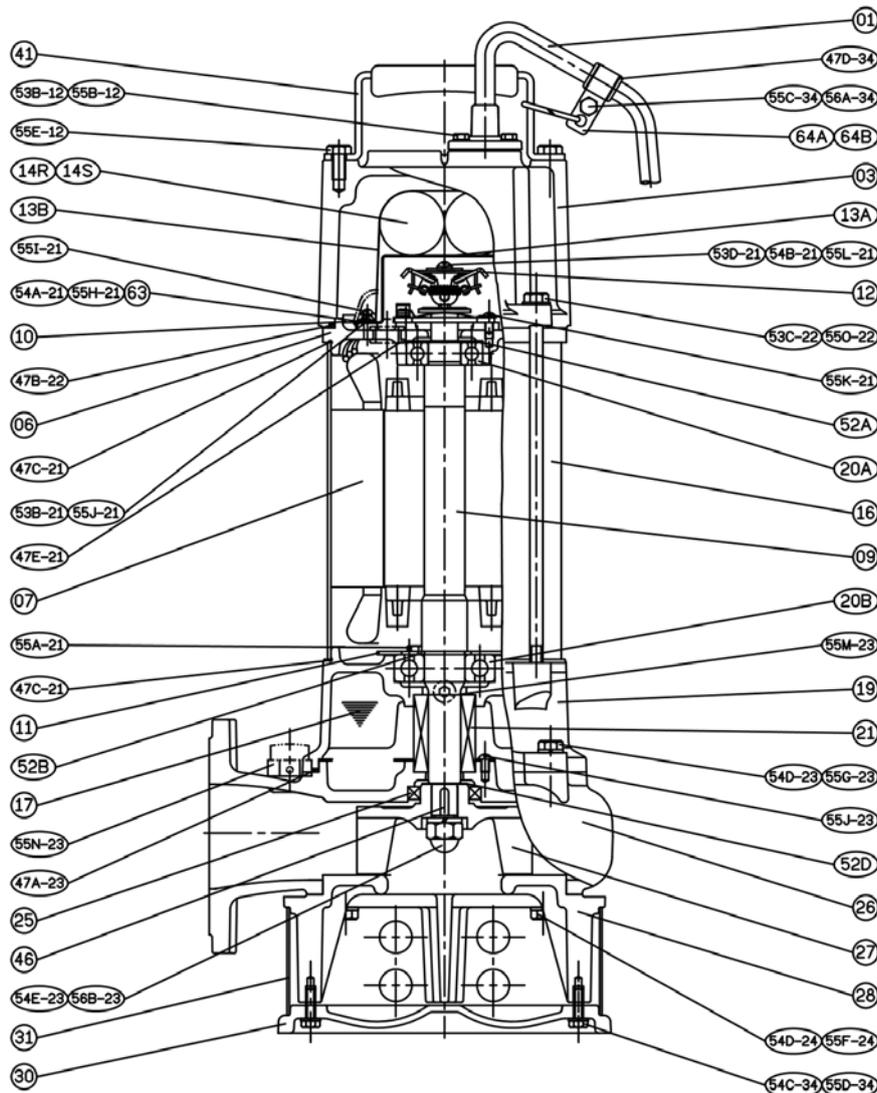
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS410	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	SUS304	1
17	Lubricant		
19	Bearing Bracket	FC200	1
20A	Bearing		1

NO.	Part name	Material	QTY
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	FC200	1
28	Casing Cover	FC200	1
30	Footing	FC200	1
31	Strainer	SUS304	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
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS410	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	SUS304	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
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	FC200	1
28	Casing Cover	FC200	1
30	Footing	FC200	1
31	Strainer	SUS304	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
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS410	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	SUS304	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
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	FC200	1
28	Casing Cover	FC200	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



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