

AFC SERIES

SUBMERSIBLE CUTTER PUMPS

POWER : 2~15HP (1.5~11kW)
MAX.HEAD : 52m (171feet)
MAX.FLOW : 3.2m³/min (192m³/h)



PRODUCT NOMENCLATURE

Example :

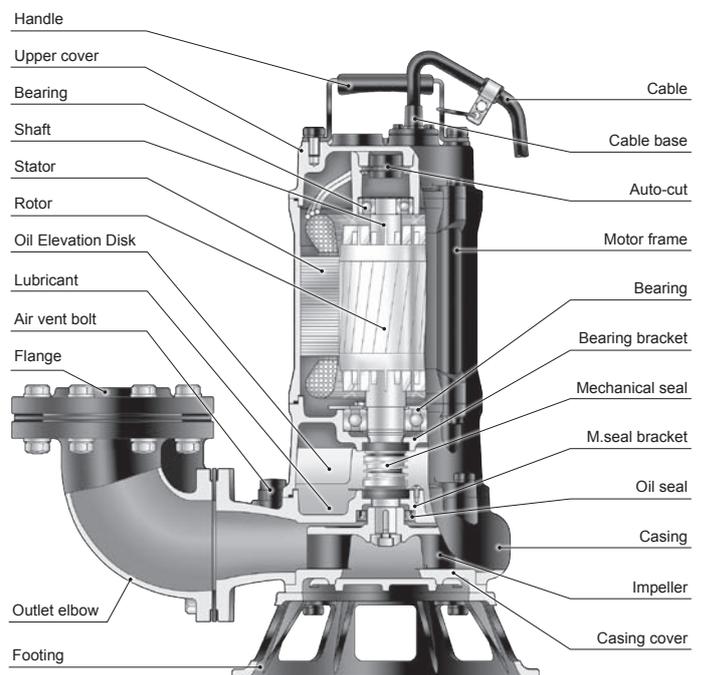
80	AF	C	2	1.5
Discharge mm	Type	Impeller type	Pole	kW

FEATURE

- Tungsten carbide edged impeller is perfect for pumping sewage and breaking / tearing debris.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and oil seal design.
- Casted iron body pump with 100~150m high solids epoxy coating.

APPLICATIONS

- Drainage of waste water containing debris from factories.
- Sewage management, water accumulation, septic tanks, and or farms.
- Drainage of waste water from attenuation, purifying and sewage tanks in water treatment plant.



AFC SERIES SUBMERSIBLE CUTTER PUMPS

80AFC21.5 · 80AFC22.2 · 80AFC23.7A

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · 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	Open
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200+Tungsten
	Casing Cover	FC200+Heat
	Footing	FCD450
	Cable	VCT or H07RN-F or SJOW/SOW
	Optional	-



80AFC21.5 · 80AFC22.2



80AFC23.7A

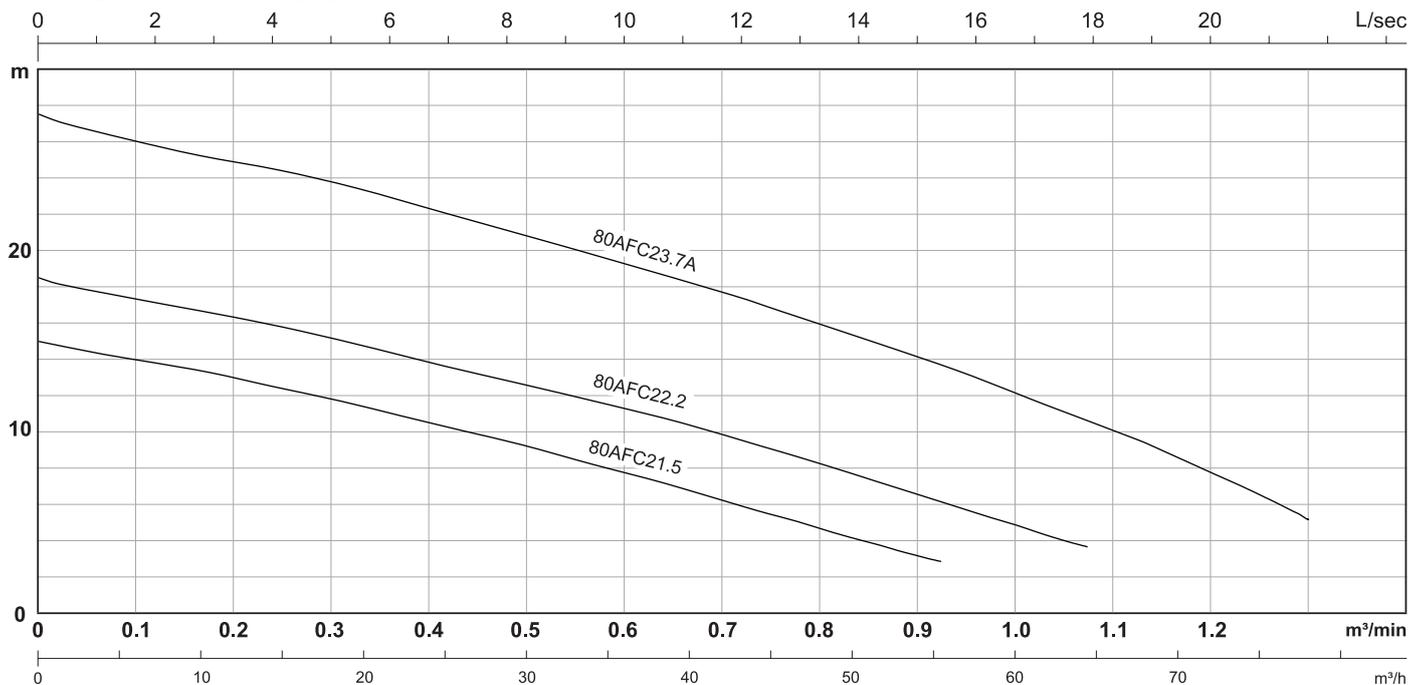


Open Impeller

Cutter casing cover

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		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
80AFC21.5	2(1.5)	3"(80)	7.5-0.6	7.5-36	15-1.0	15-60	-	37(82)	33(73)	Full load Ampere	10.2	10.0	6.2	3.6	3.4	3.4	2.7
80AFC22.2	3(2.2)	3"(80)	11-0.6	11-36	18.5-1.15	18.5-69	-	40(88)	35(77)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
80AFC23.7A	5(3.7)	3"(80)	19-0.6	19-36	27.5-1.35	27.5-81	-	-	48(106)		-	-	14.2	8.2	7.8	7.8	6.2

PERFORMANCE CURVES



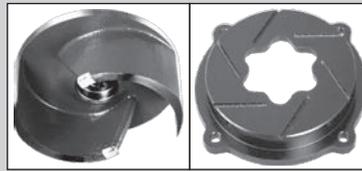
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	Q:L/sec	2	4	6	8	10	12	16	20	
				Q:m³/h	6	12	18	24	30	36	48		60	H:m	13.8	12.7	11.2	9.6	7.8	6.0	-
80AFC21.5	2 (1.5)	3" (80)	H:m	14.0	13.2	12.0	10.7	9.3	7.8	4.8	-	H:m	13.8	12.7	11.2	9.6	7.8	6.0	-	-	
80AFC22.2	3 (2.2)	3" (80)		17.4	16.4	15.1	13.8	12.5	11.2	8.5	5.1		17.2	15.8	14.3	12.8	11.2	9.6	5.9	-	-
80AFC23.7A	5 (3.7)	3" (80)		26.9	25.1	23.7	22.2	20.9	19.0	16.0	11.2		26.0	24.5	22.9	20.9	19.0	17.4	13.0	7.8	-

AFC SERIES SUBMERSIBLE CUTTER PUMPS

80(100)AFC25.5 · 80(100)AFC27.5 · 80(100)AFC211

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · 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	Open
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403 (7.5~10HP) · SUS420J2 (15HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200+Tungsten
	Casing Cover	FC200+Heat
	Footing	FCD450
	Cable	VCT or H07RN-F or SOW
Optional	-	



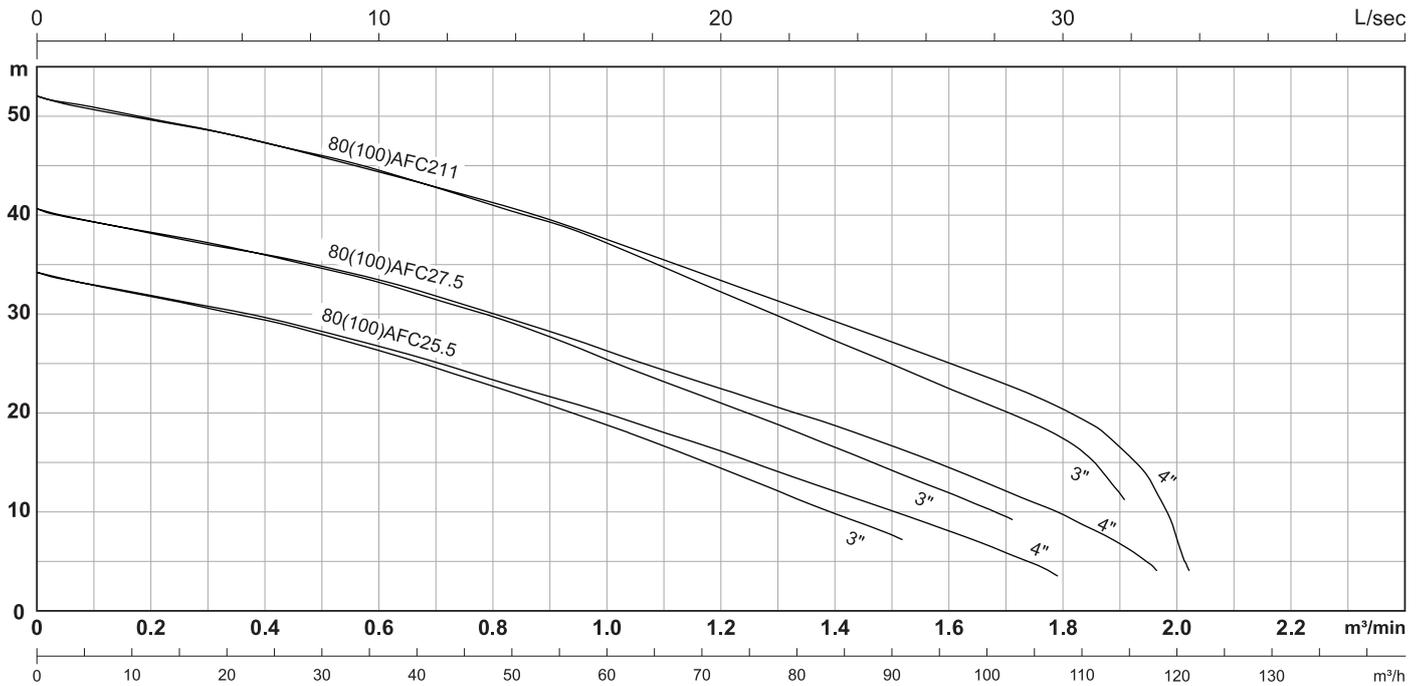
Open Impeller Cutter casing cover



80(100)AFC25.5 · 80(100)AFC27.5
80(100)AFC211

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Max Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	Full load Amperes						
			m-m ³ /min	m-m ³ /h	m-m ³ /min	m-m ³ /h		1Ø-kg(lbs)	3Ø-kg(lbs)		1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
80(100)AFC25.5	7.5(5.5)	3"(80)	26-0.6	26-36	34-1.55	34-93	-	-	75(165)	Full load Amperes	-	-	20.6	11.7	11.4	11.4	9.1
		4"(100)	19.5-1.0	19.5-60	34-1.8	34-108	-	-	75(165)		-	-	20.6	11.7	11.4	11.4	9.1
80(100)AFC27.5	10(7.5)	3"(80)	33-0.6	33-36	40.5-1.75	40.5-105	-	-	81(179)		-	-	27.6	15.7	15.2	15.2	12.2
		4"(100)	26-1.0	26-60	40.5-2.05	40.5-123	-	-	81(179)		-	-	27.6	15.7	15.2	15.2	12.2
80(100)AFC211	15(11)	3"(80)	44-0.6	44-36	52-1.95	52-117	-	-	91(201)		-	-	39.0	22.2	21.6	21.6	-
		4"(100)	37-1.0	37-60	52-2.1	52-126	-	-	91(201)		-	-	39.0	22.2	21.6	21.6	-

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m ³ /min Q:m ³ /h	Q:m ³ /min								Q:L/sec	Q:L/sec							
				0.2	0.4	0.6	0.8	1.0	1.2	1.6	2.0		4	8	12	16	20	24	28	32
80(100)AFC25.5	7.5(5.5)	3"(80)	H:m	32.0	29.4	26.1	22.6	18.6	14.4	-	-	H:m	31.5	28.2	24.0	19.6	14.4	8.7	-	
		4"(100)		32.0	29.4	26.5	23.2	19.6	15.8	7.8	-		31.5	28.4	24.6	20.4	15.8	10.8	6.2	-
80(100)AFC27.5	10(7.5)	3"(80)		38.2	36.0	33.0	29.6	25.2	20.6	11.8	-		37.8	25.0	31.0	36.1	20.8	15.2	10.0	-
		4"(100)		38.2	36.0	33.3	30.0	26.2	22.4	14.6	-		37.8	25.0	31.4	36.8	22.0	18.0	12.3	5.9
80(100)AFC211	15(11)	3"(80)		49.6	47.1	44.5	41.0	37.0	31.8	22.0	-		49.1	46.1	42.4	37.8	31.8	25.7	20.2	-
		4"(100)		49.6	47.1	44.5	41.2	37.4	33.0	24.6	7.2		49.1	46.1	42.6	38.2	33.1	28.0	22.8	15.4

AFC SERIES SUBMERSIBLE CUTTER PUMPS

80AFC42.2 · 80(100)AFC43.7

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	50Hz
	Motor	4P(1800rpm) · 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	FC200
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200+Tungsten
	Casing Cover	FC700+Heat
	Footing	None
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	-	



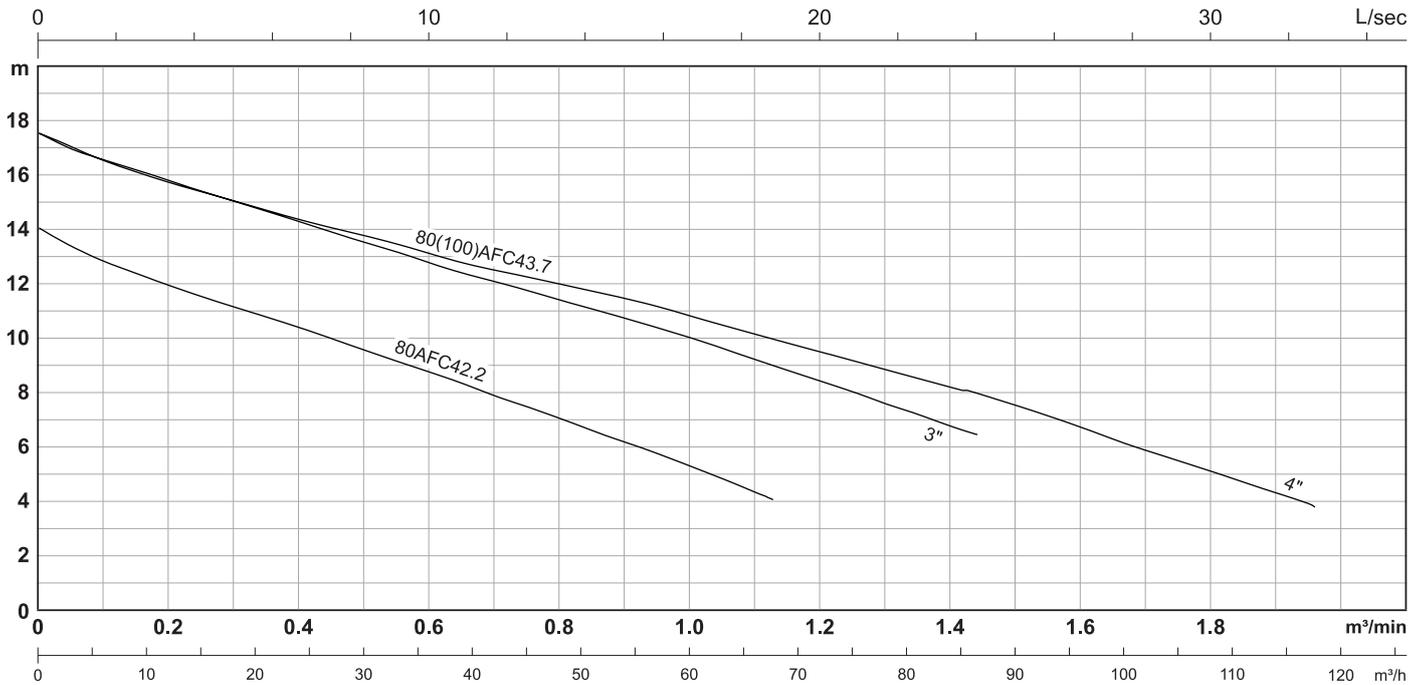
Open Impeller Cutter casing cover



80AFC42.2 · 80(100)AFC43.7

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		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
80AFC42.2	3(2.2)	3"(80)	8.5-0.6	8.5-36	14-1.1	14-66	-	-	60(132)	Full load Ampere	-	-	9.4	5.5	5.2	5.2	4.2
80(100) AFC43.7	5(3.7)	3"(80)	12.5-0.6	12.5-36	17.5-1.5	17.5-90	-	-	69(152)		-	-	15.2	8.8	8.4	8.4	6.7
		4"(100)	10.5-1.0	10.5-60	17.5-2.0	17.5-120	-	-	69(152)		-	-	15.2	8.8	8.4	8.4	6.7

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.8	Q:L/sec	4	8	12	16	20	24	28	32
				Q:m³/h	12	24	36	48	60	72	84		108	H:m	11.6	9.7	7.7	5.6	-	-
80AFC42.2	2 (1.5)	3" (80)	H:m	11.9	10.4	8.7	7	5.3	-	-	-	H:m	11.6	9.7	7.7	5.6	-	-	-	-
80(100) AFC23.7	5 (3.7)	3" (80)		15.7	14.2	12.7	11.4	9.9	8.4	6.8	-		15.4	13.7	12.0	10.3	8.4	6.4	-	-
		4" (100)		15.7	14.4	13.1	12	10.8	9.4	8.2	5.1		15.4	13.9	12.4	11.1	9.4	8.0	6.0	4.1

AFC SERIES SUBMERSIBLE CUTTER PUMPS

100(150)AFC45.5 · 100(150)AFC47.5

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	50Hz
	Motor	4P(1800rpm) · Dry Motor
	Insulation	Class H
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Open
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200+Tungsten
	Casing Cover	FC700+Heat
	Footing	None
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	-	



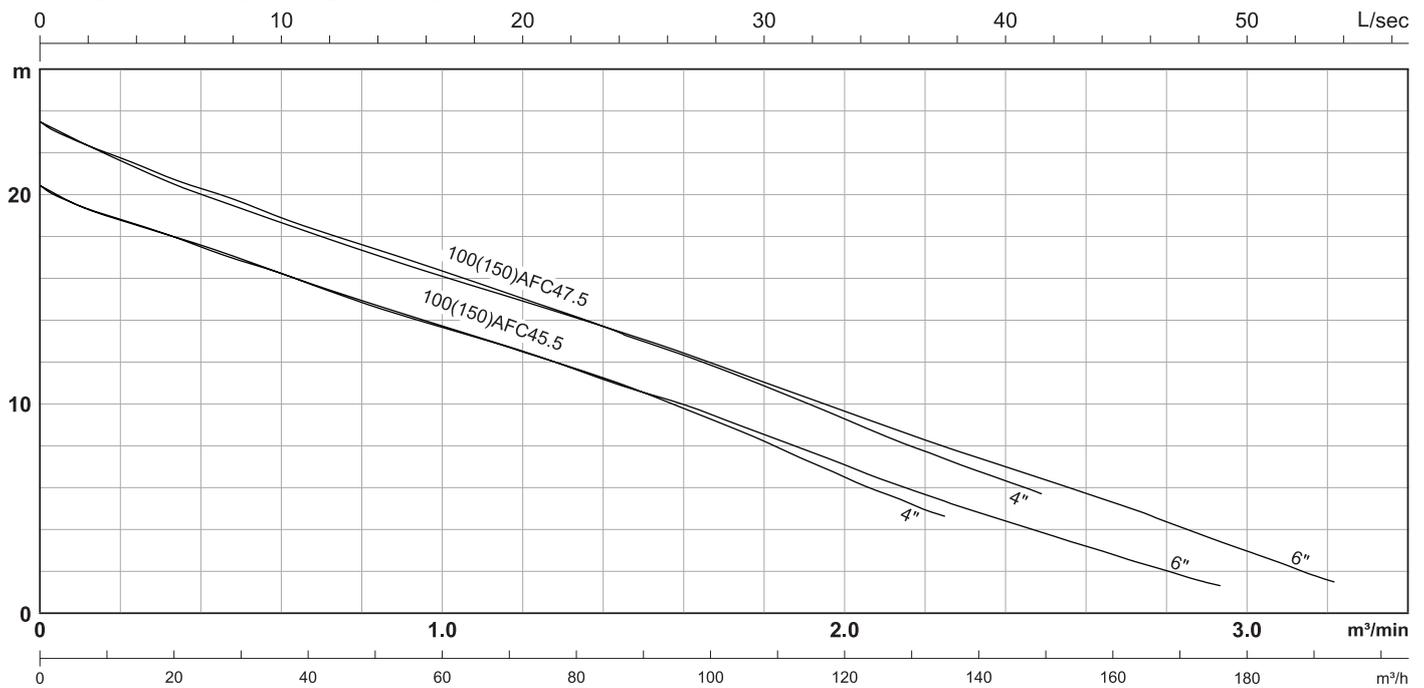
Open Impeller Cutter casing cover



100(150)AFC45.5 · 100(150)AFC47.5

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Max Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	Full load Ampere						
			m-m ³ /min	m-m ³ /h	m-m ³ /min	m-m ³ /h		1Ø-kg(lbs)	3Ø-kg(lbs)		1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
100(150) AFC45.5	7.5(5.5)	4"(100)	13.5-1.0	13.5-60	20.5-2.3	20.5-138	-	-	105(231)	Full load Ampere	-	-	22.2	12.6	12.2	12.2	9.8
		6"(150)	10.5-1.5	10.5-90	20.5-3.0	20.5-180	-	-	105(231)		-	-	22.2	12.6	12.2	12.2	9.8
100(150) AFC47.5	10(7.5)	4"(100)	16-1.0	16-60	23.5-2.5	23.5-150	-	-	118(260)		-	-	29.2	16.3	16.1	16.1	12.9
		6"(150)	13-1.5	13-90	23.5-3.2	23.5-192	-	-	118(260)		-	-	29.2	16.3	16.1	16.1	12.9

PERFORMANCE CURVES



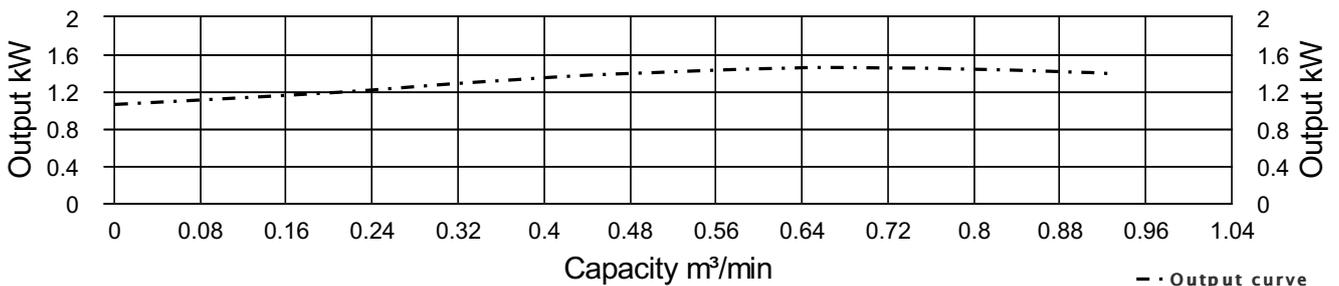
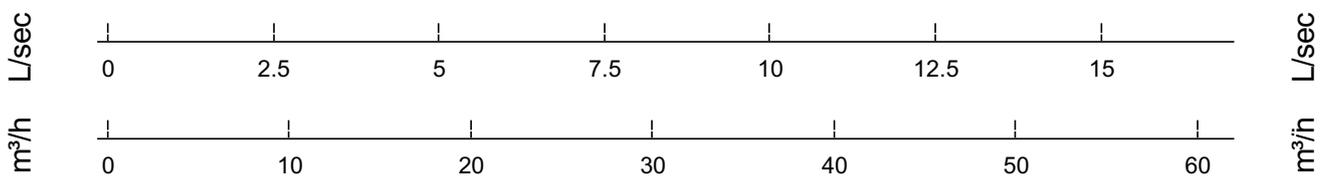
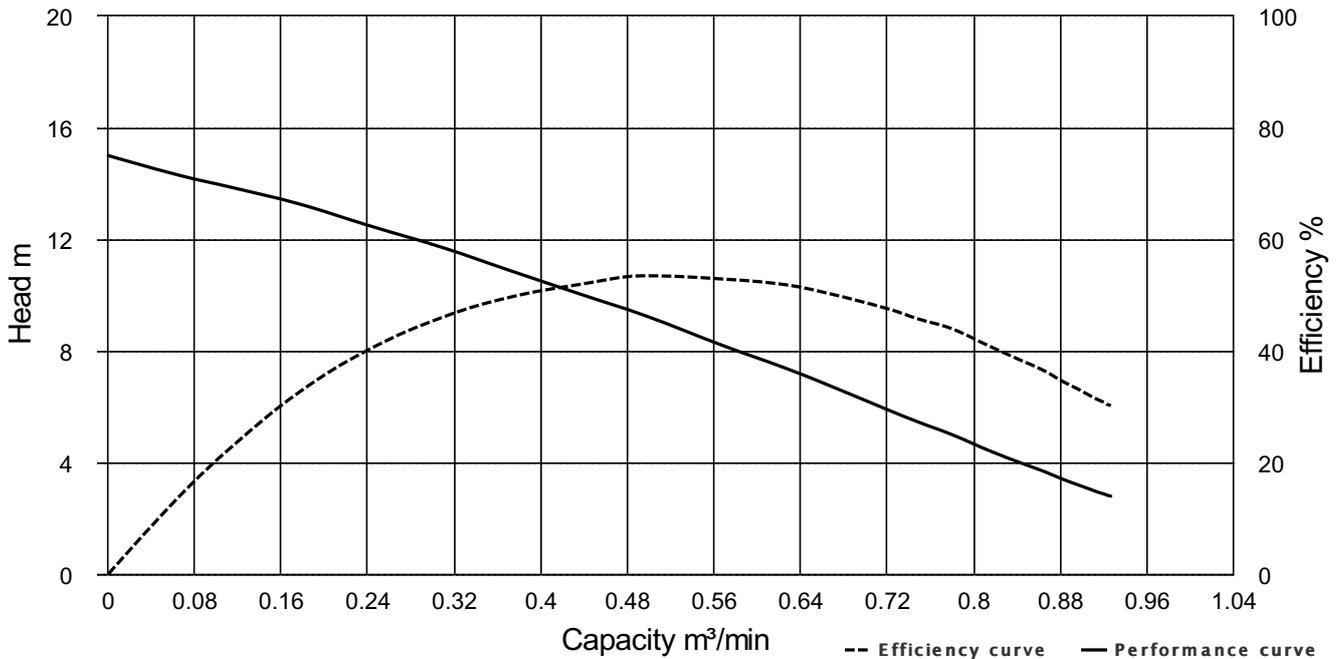
Model	Power HP(kW)	Discharge inch(mm)	Q:m ³ /min								Q:L/sec	H:m							
			0.2	0.4	0.8	1.2	1.6	2.0	2.4	2.8		5	10	15	20	25	30	40	50
100(150) AFC45.5	7.5(5.5)	4"(100)	18.9	17.6	15.0	12.6	10.0	6.7	-	-	H:m	18.3	16.3	14.4	12.6	10.7	8.4	-	-
		6"(150)	18.8	17.6	15.0	12.6	10.1	7.2	4.6	2.4		18.2	16.2	14.4	12.6	10.7	8.7	4.6	-
100(150) AFC47.5	10(7.5)	4"(100)	21.8	20.4	17.6	15.1	12.4	8.4	6.4	-		21.0	19.0	17.1	15.1	13.1	11.0	6.4	-
		6"(150)	21.6	20.1	17.4	15.0	12.6	9.8	7.2	4.6		20.8	18.8	16.6	15.0	13.2	11.2	7.2	3.2



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC21.5				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	3" / 80 mm						
Power	2 HP / 1.5 kW						
Std. Head	7.5 m						
Std. Capacity	0.6 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						



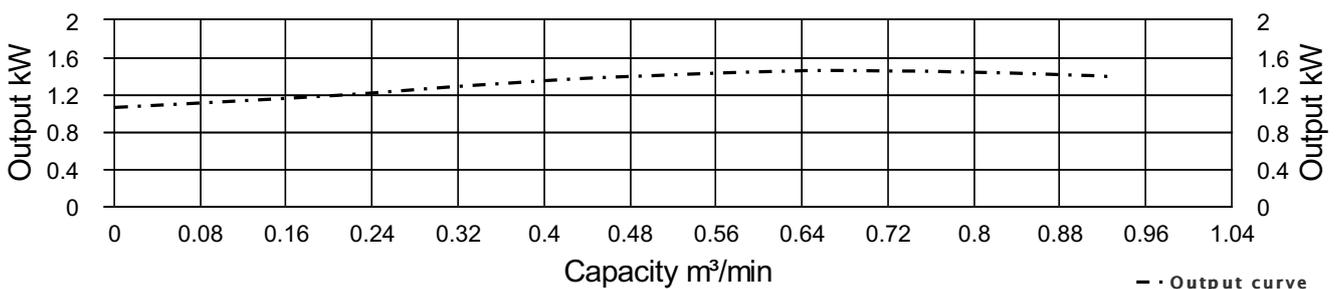
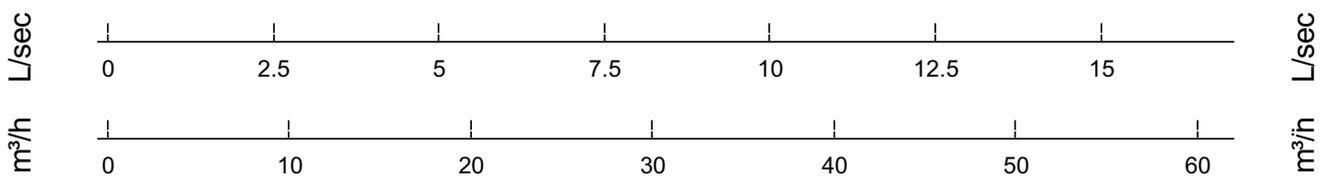
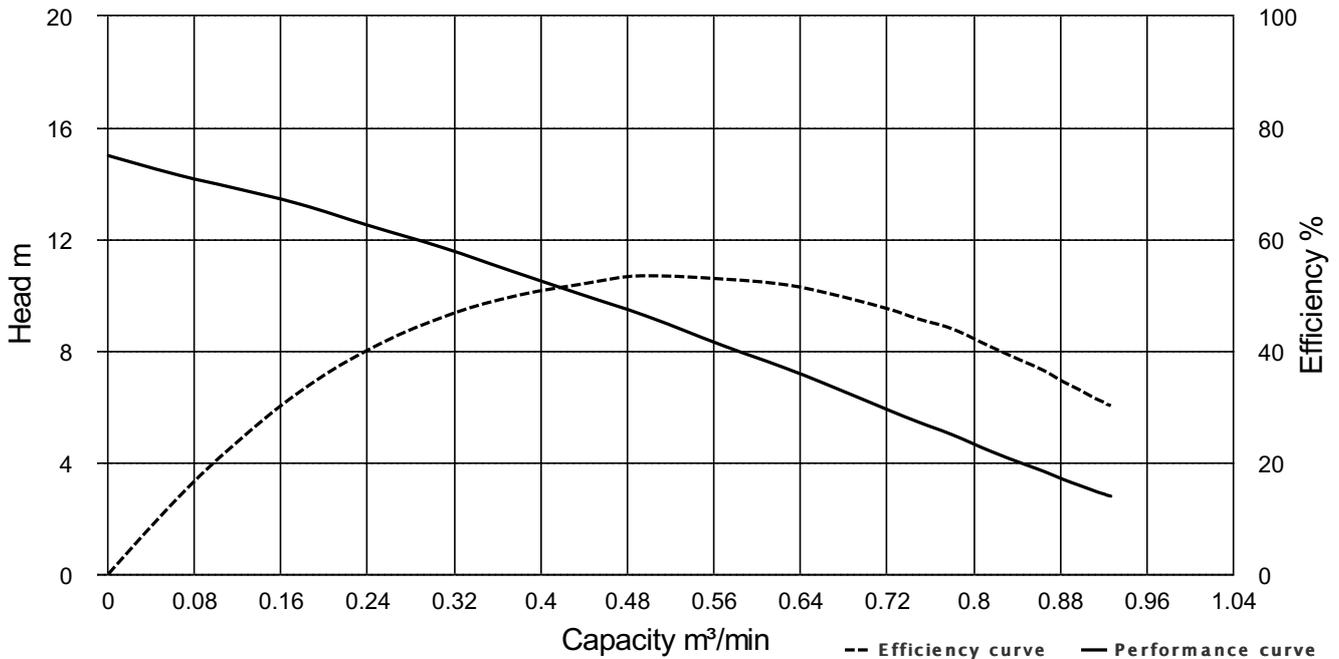
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC21.5					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	3" / 80 mm							
Power	2 HP / 1.5 kW							
Std. Head	7.5 m							
Std. Capacity	0.6 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							



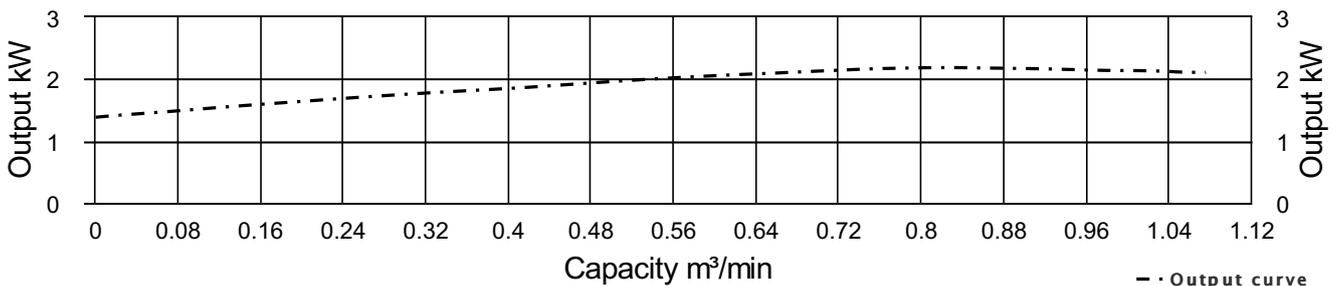
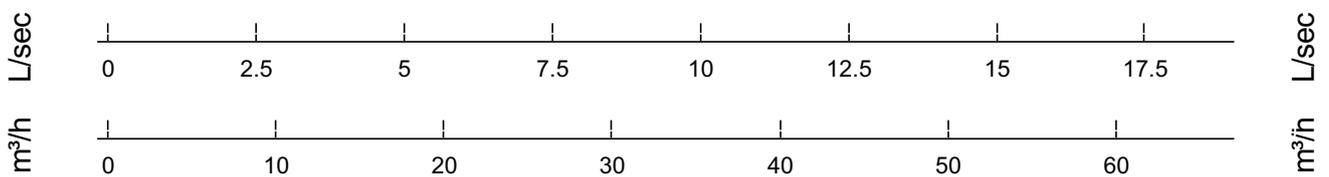
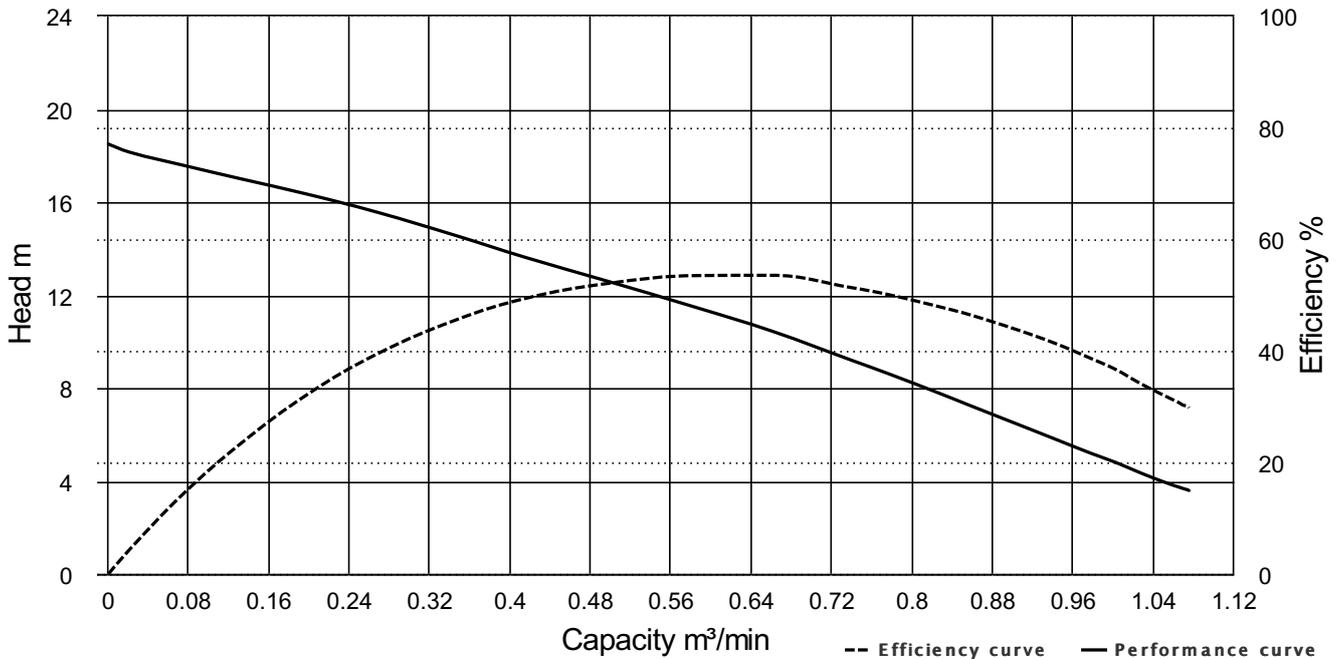
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC22.2			Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	3" / 80 mm				
Power	3 HP / 2.2 kW				
Std. Head	11 m				
Std. Capacity	0.6 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				



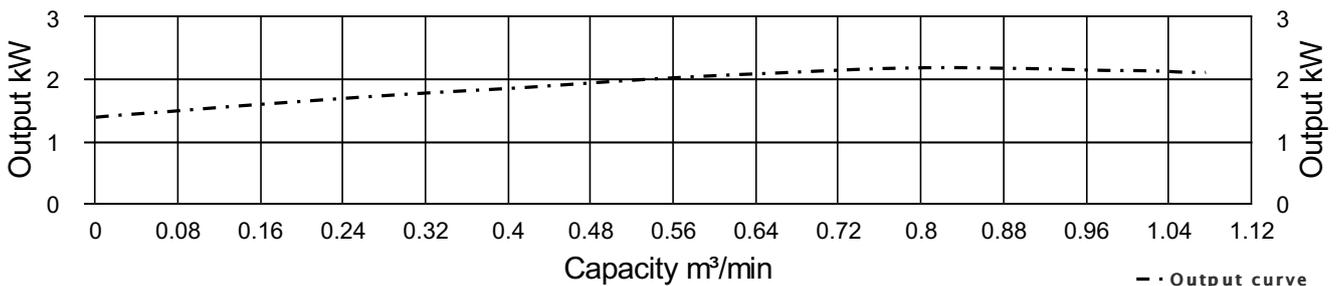
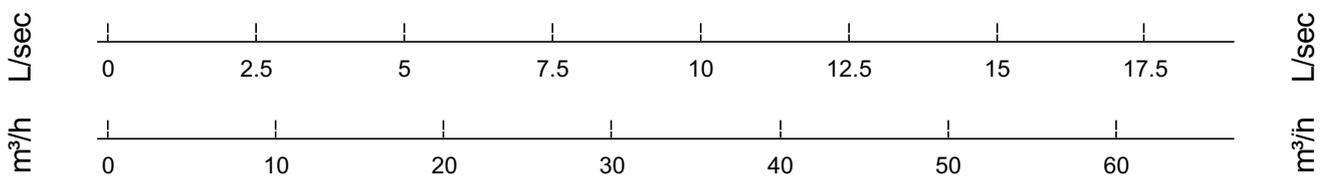
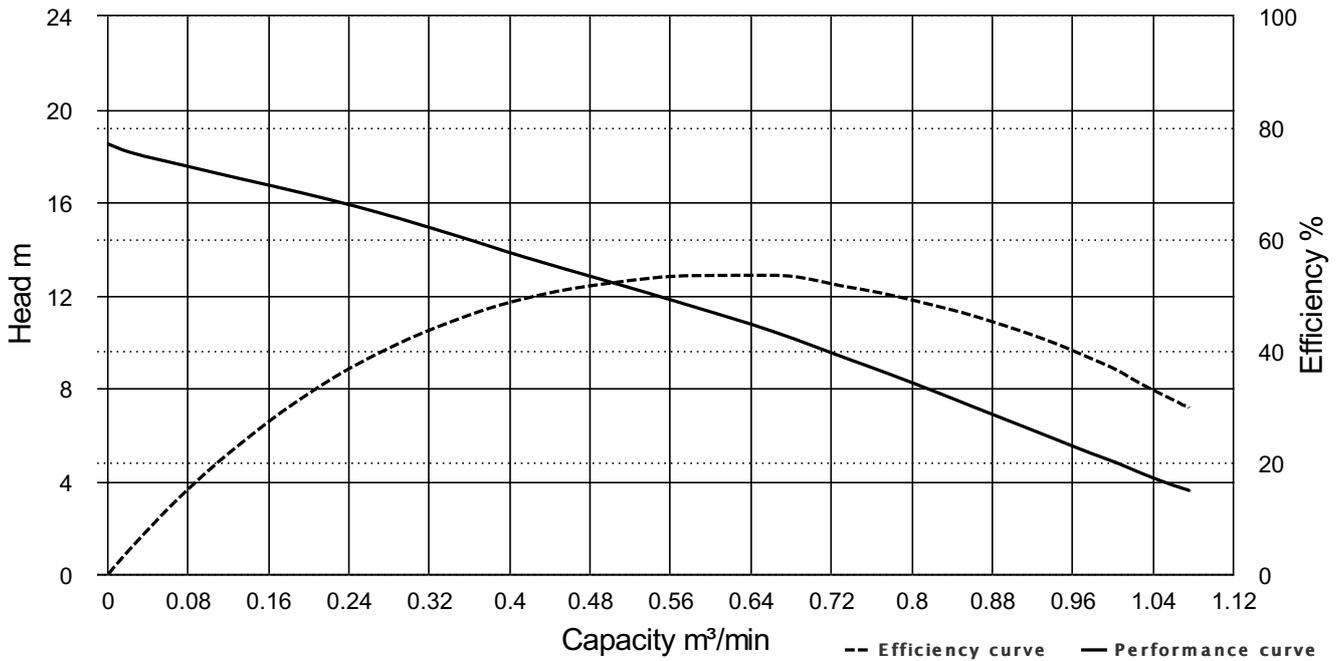
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC22.2					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	3 HP / 2.2 kW						
Std. Head	11 m						
Std. Capacity	0.6 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						



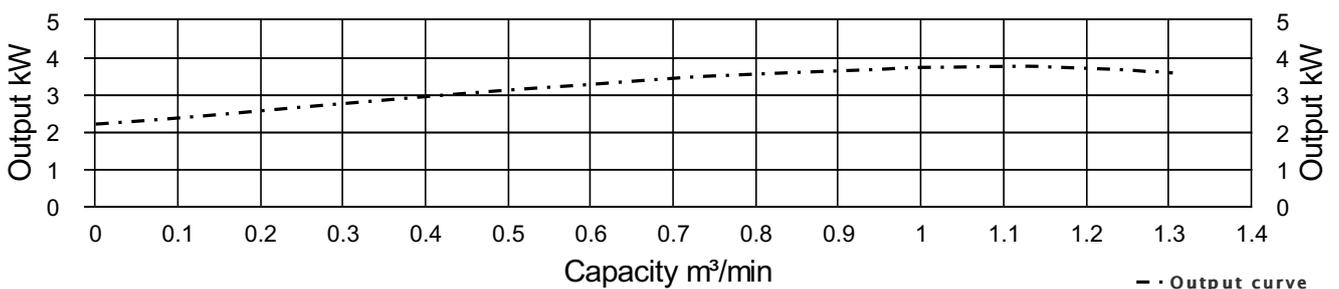
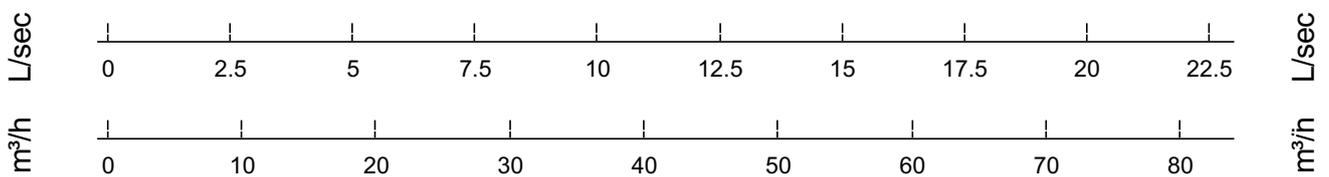
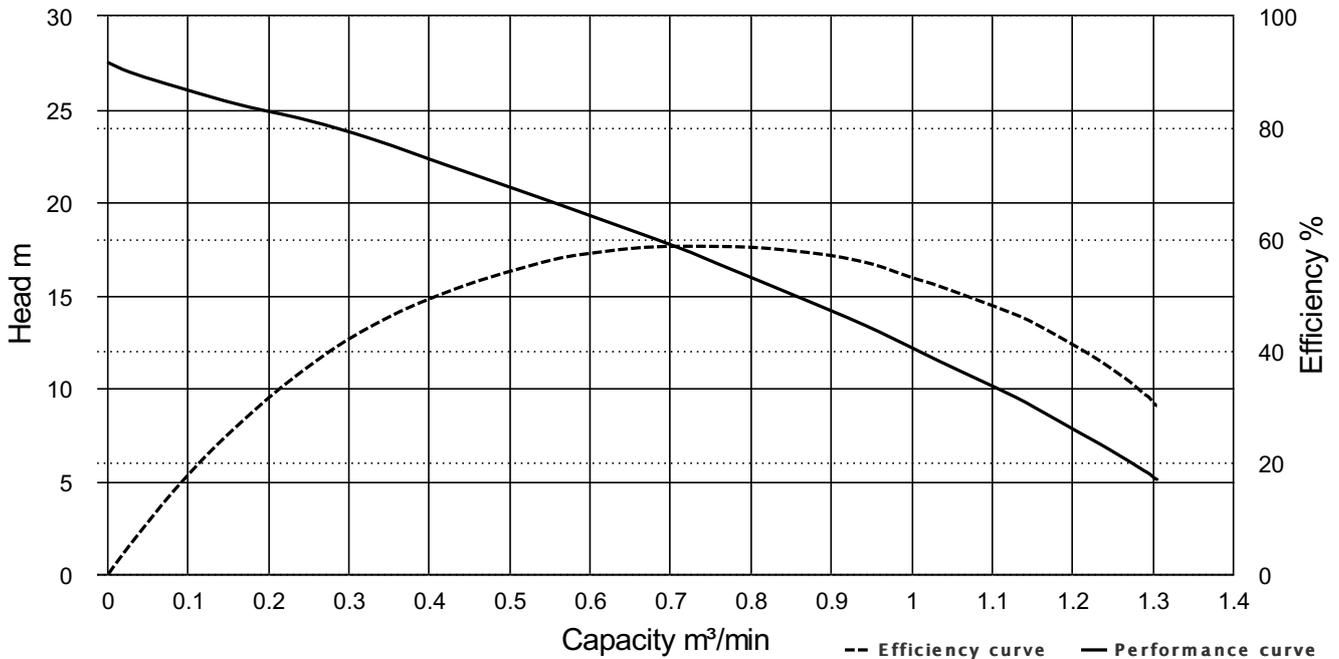
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC23.7A					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 / 2850 rpm						
Start Method	DOL						
Insulation Class	F						



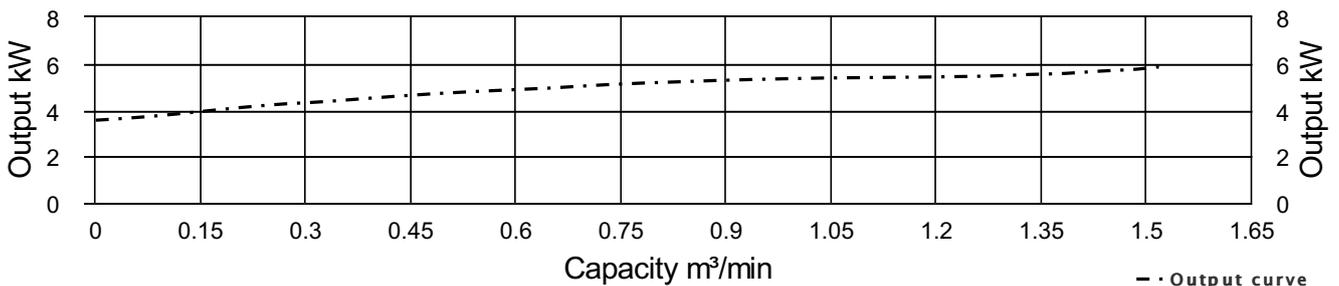
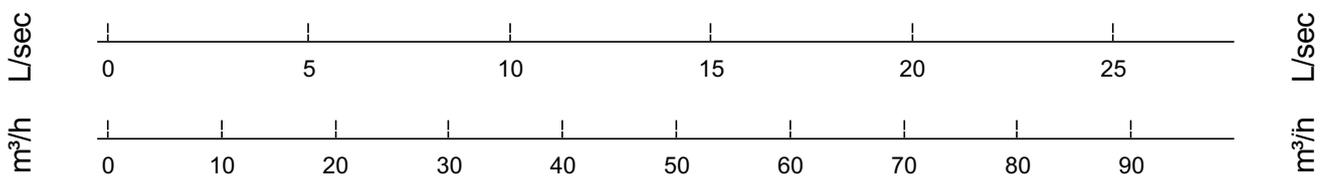
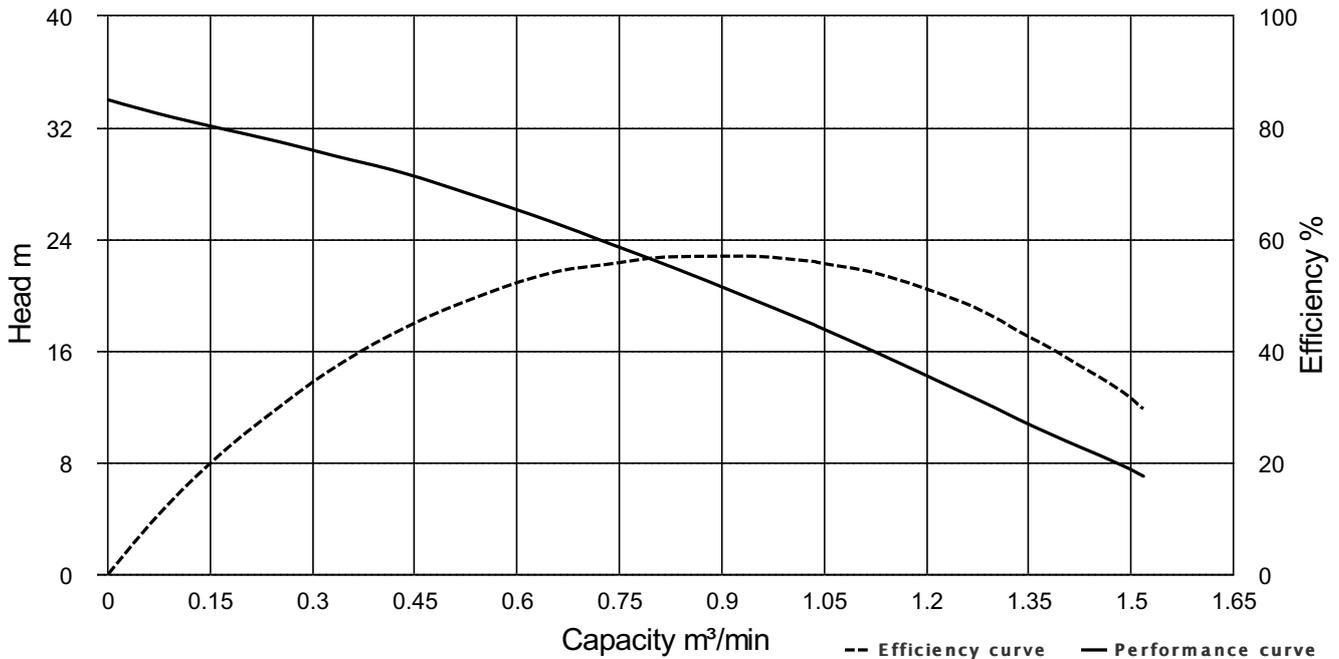
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC25.5					Ver NO.	BA0407	
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION		
Discharge	3" / 80 mm							
Power	7.5 HP / 5.5 kW							
Std. Head	26 m							
Std. Capacity	0.6 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							



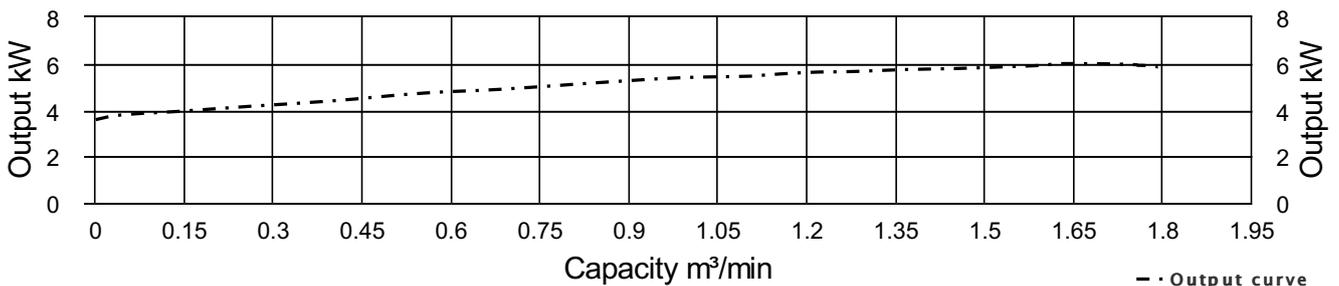
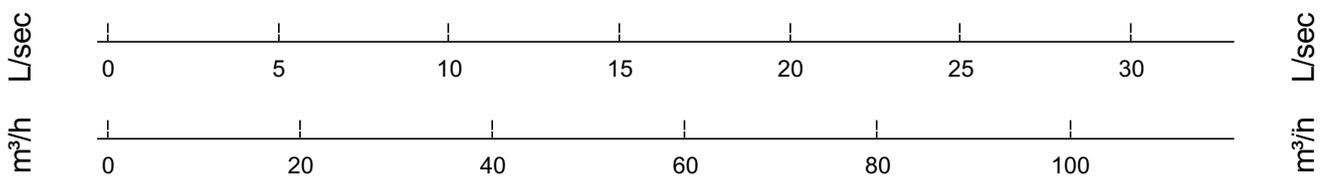
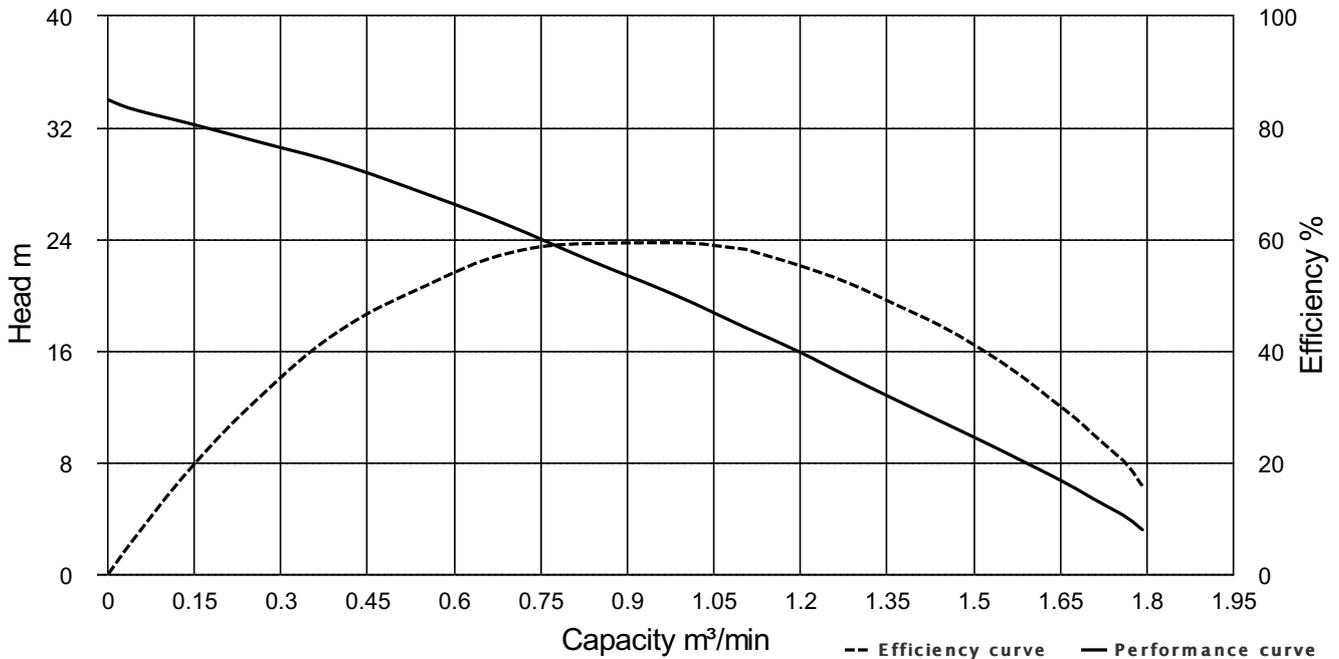
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC25.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	7.5 HP / 5.5 kW						
Std. Head	19.5 m						
Std. Capacity	1 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						



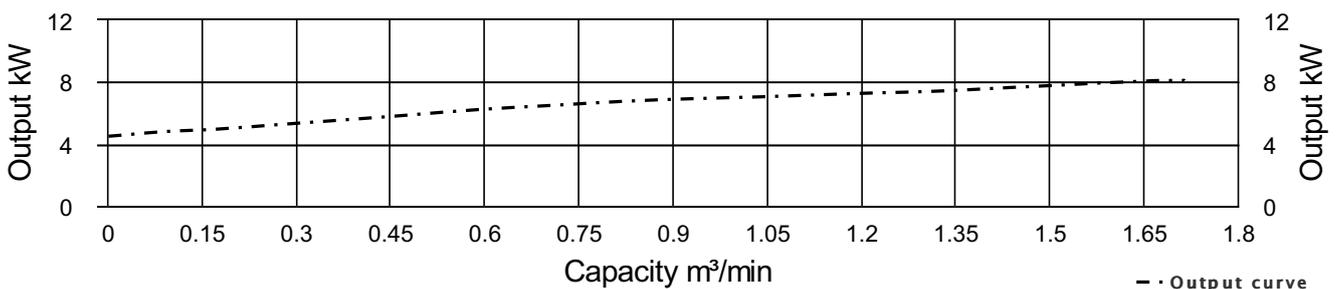
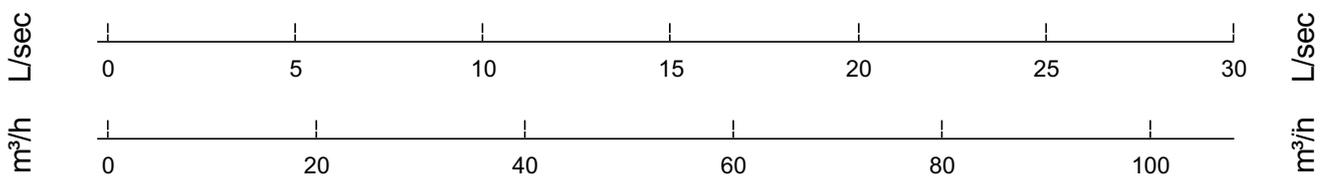
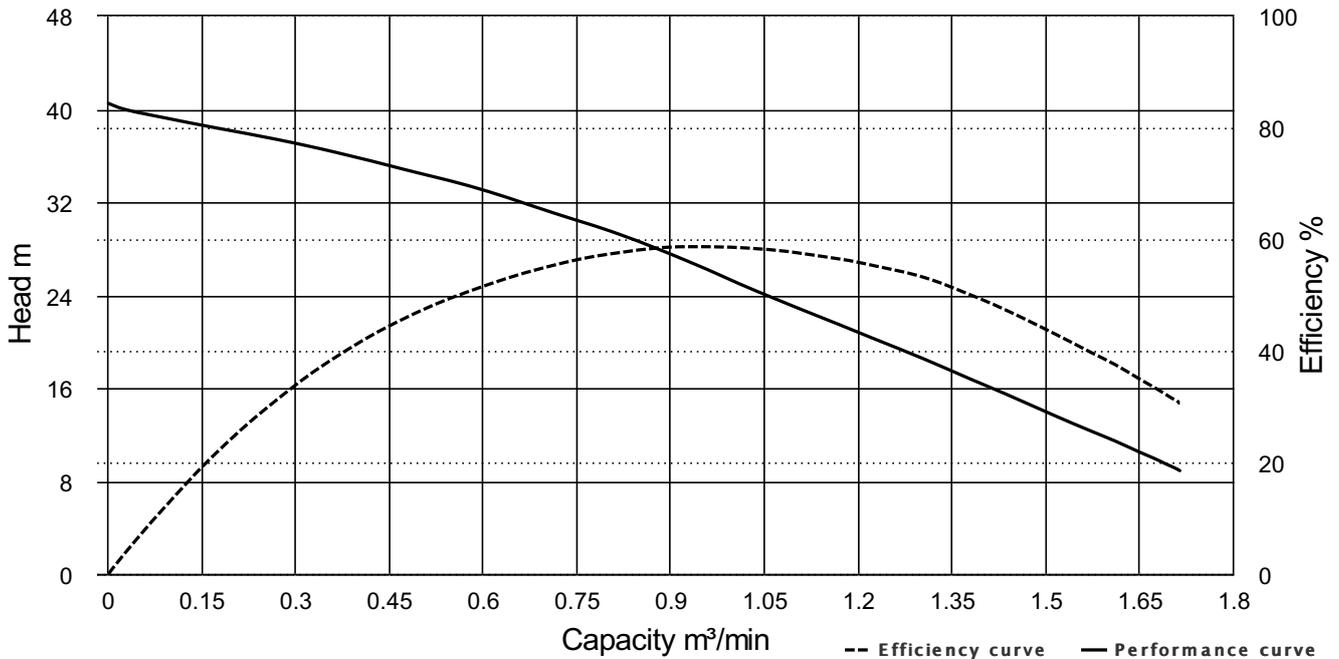
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC27.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	10 HP / 7.5 kW						
Std. Head	33 m						
Std. Capacity	0.6 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						



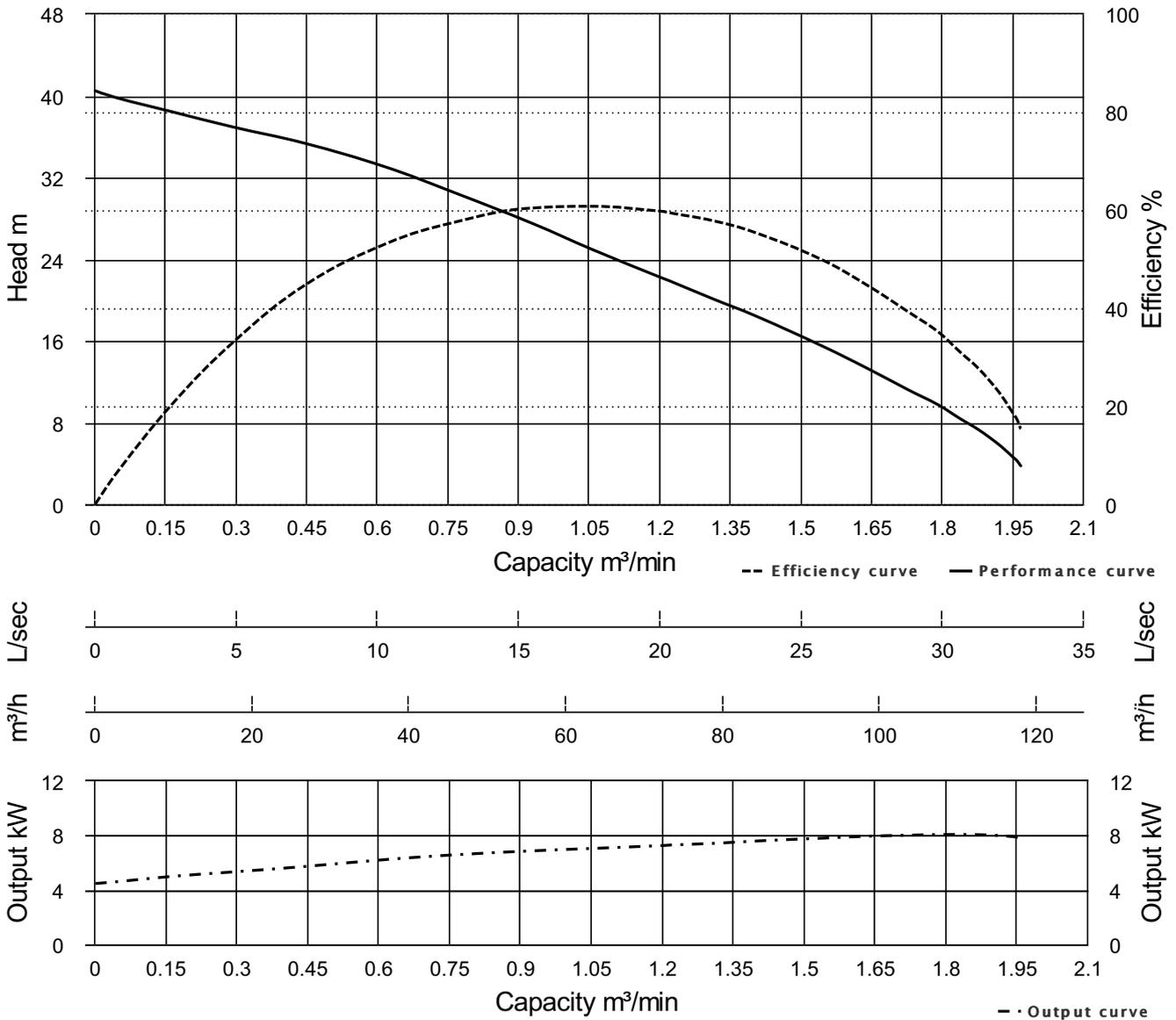
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC27.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	10 HP / 7.5 kW						
Std. Head	26 m						
Std. Capacity	1 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						



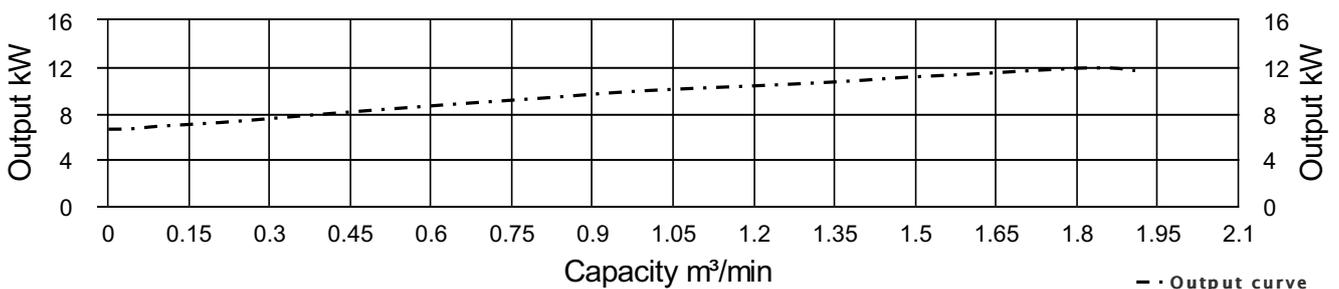
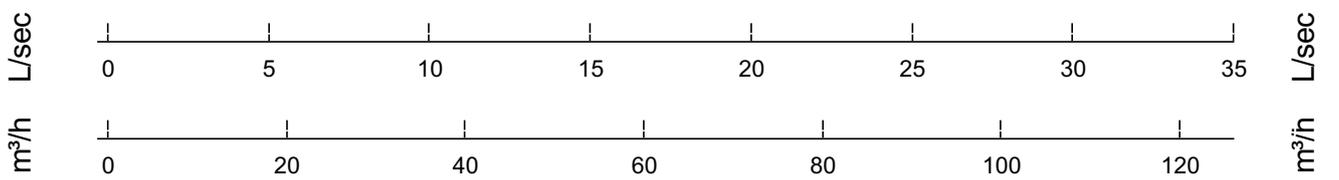
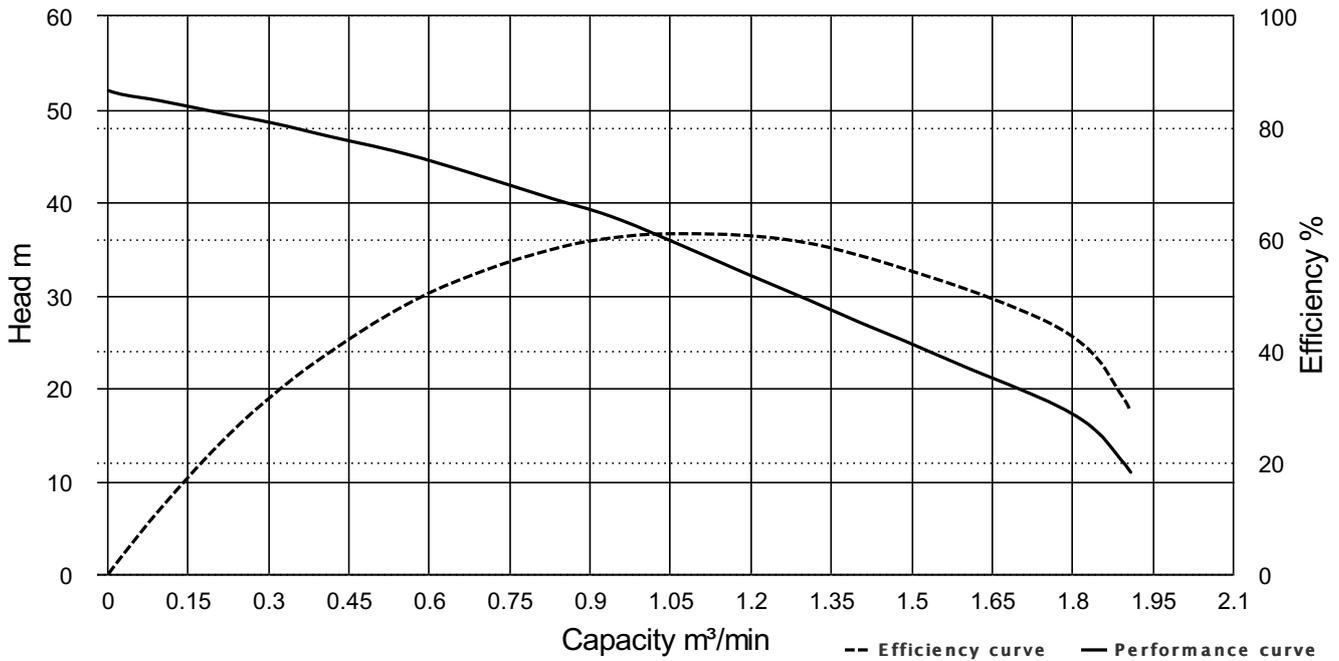
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC211					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	15 HP / 11 kW						
Std. Head	44 m						
Std. Capacity	0.6 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	39 A	22.2 A	21.6 A	21.6 A	17.3 A		
Pole / rpm	2 P / 2900 rpm						
Start Method	STAR-DELTA / DOL						
Insulation Class	H						



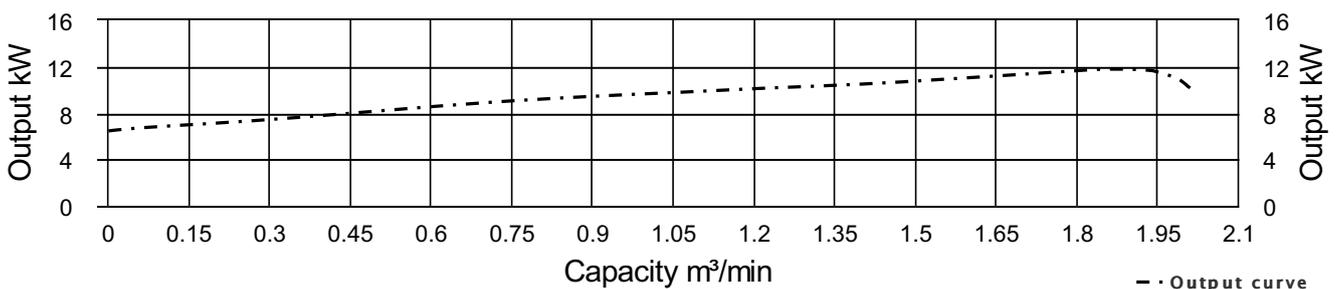
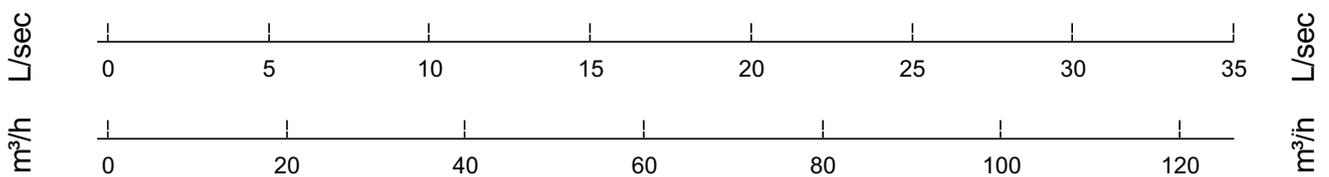
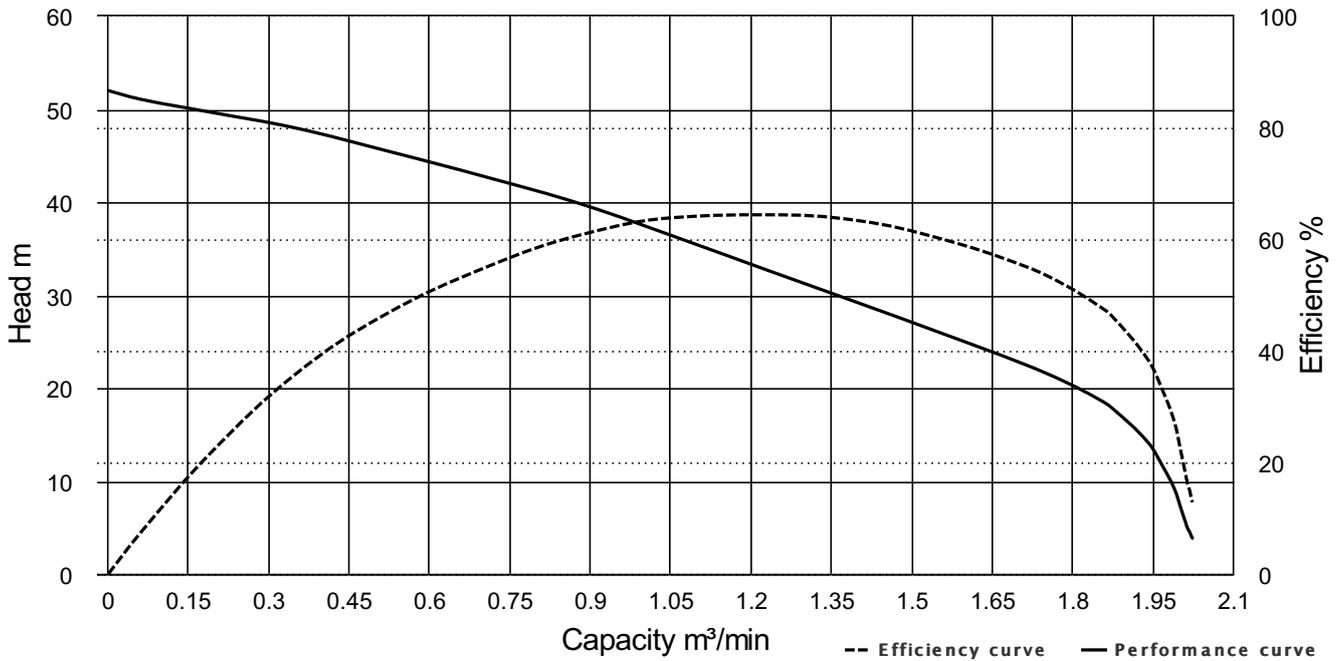
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC211					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	15 HP / 11 kW						
Std. Head	37 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	39 A	22.2 A	21.6 A	21.6 A	17.3 A		
Pole / rpm	2 P / 2900 rpm						
Start Method	STAR-DELTA / DOL						
Insulation Class	H						



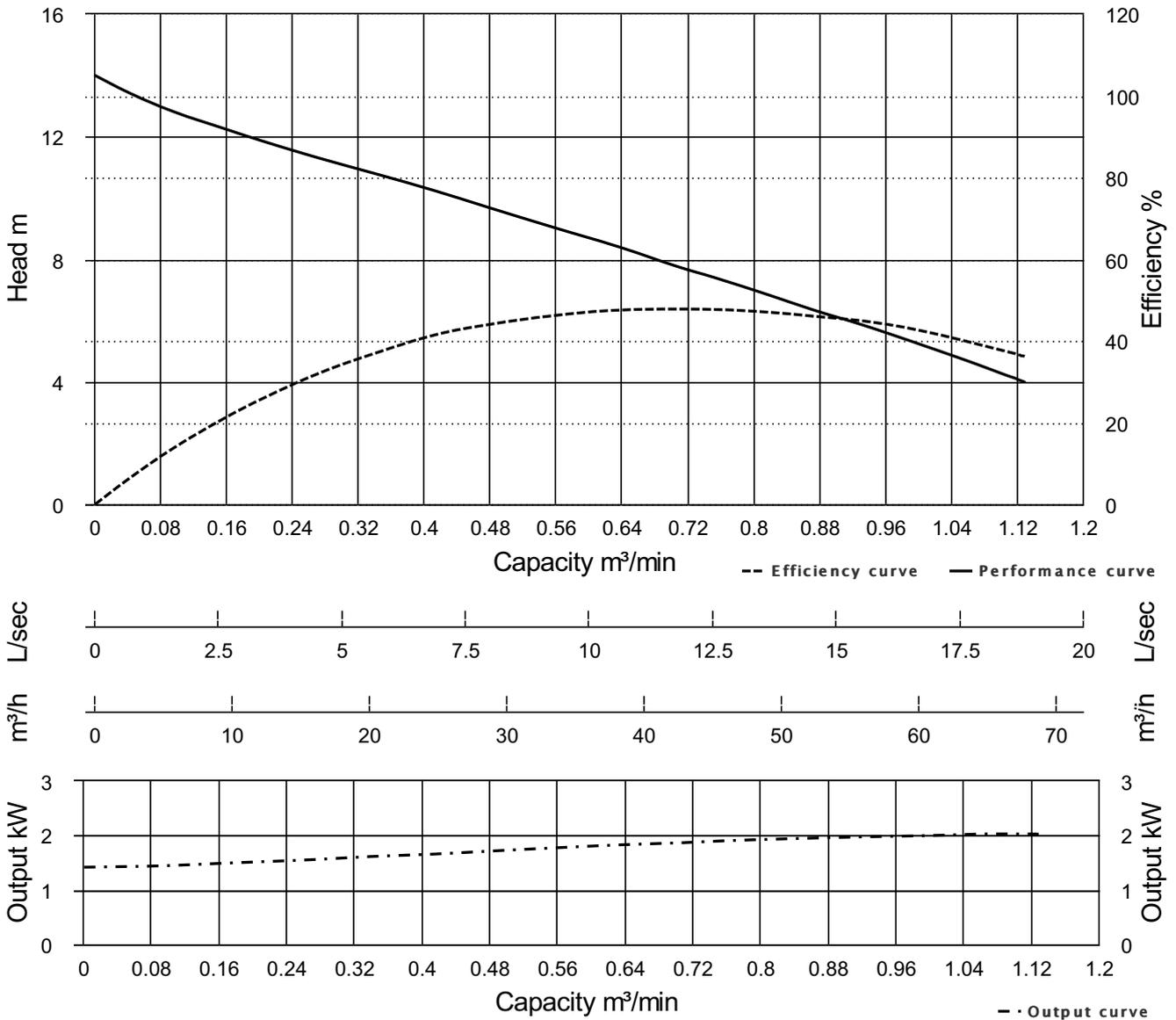
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80AFC42.2					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	3 HP / 2.2 kW						
Std. Head	8.5 m						
Std. Capacity	0.6 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	9.4 A	5.5 A	5.2 A	5.2 A	4.2 A		
Pole / rpm	4 P / 1400 rpm						
Start Method	DOL						
Insulation Class	F						



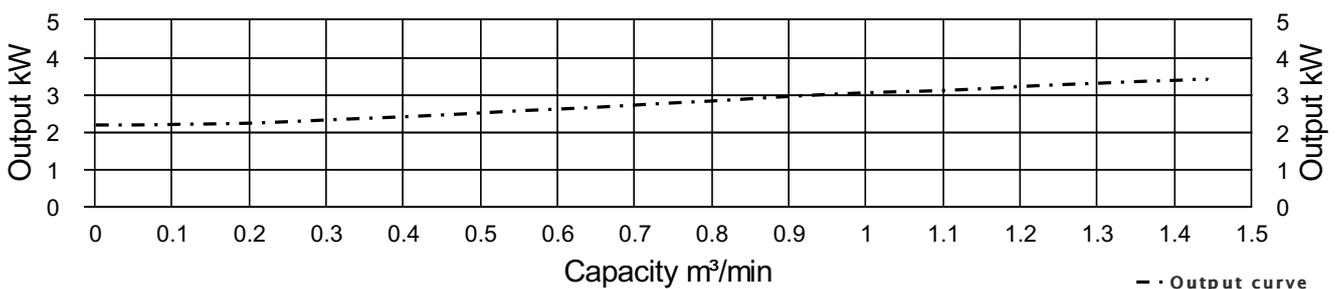
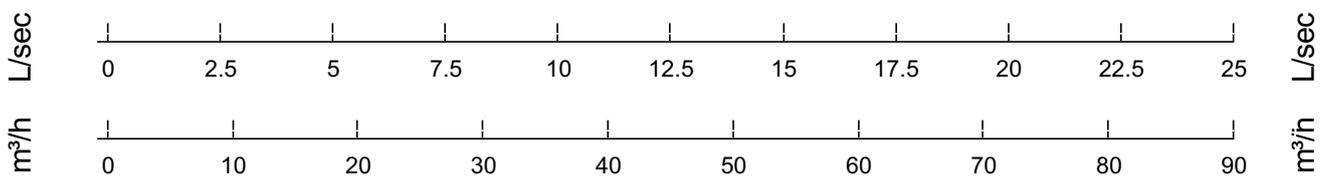
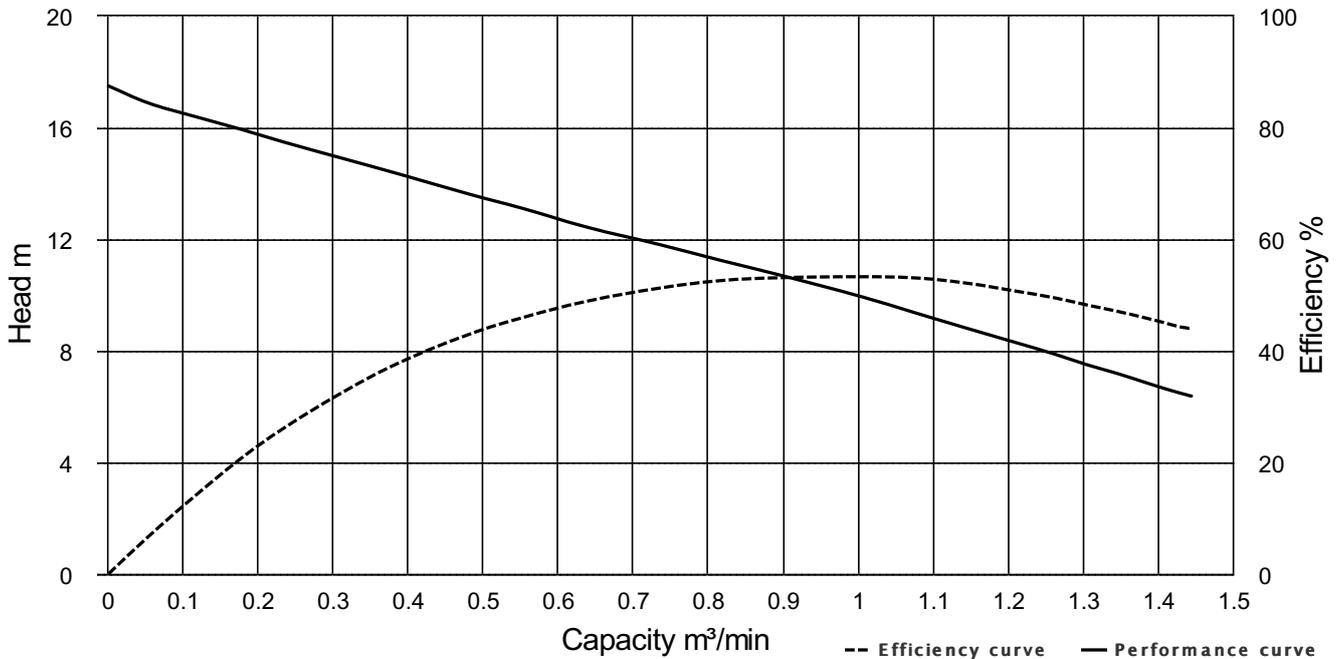
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC43.7					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	5 HP / 3.7 kW						
Std. Head	12.5 m						
Std. Capacity	0.6 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	15.2 A	8.8 A	8.4 A	8.4 A	6.7 A		
Pole / rpm	4 P / 1400 rpm						
Start Method	DOL						
Insulation Class	F						



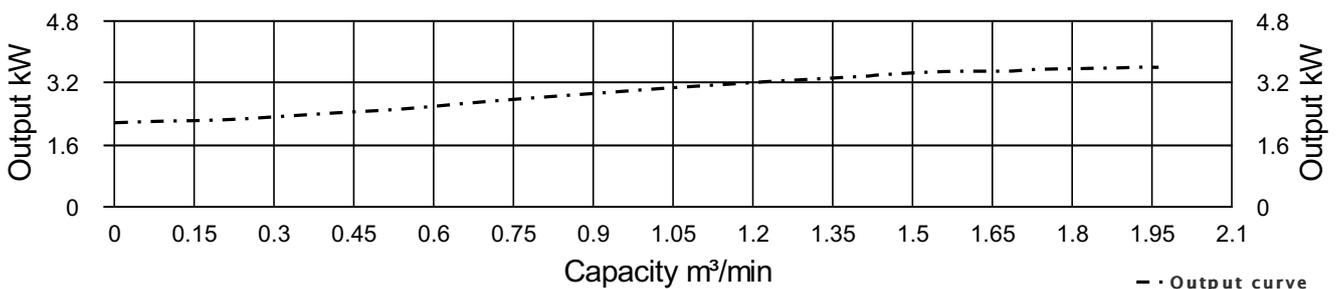
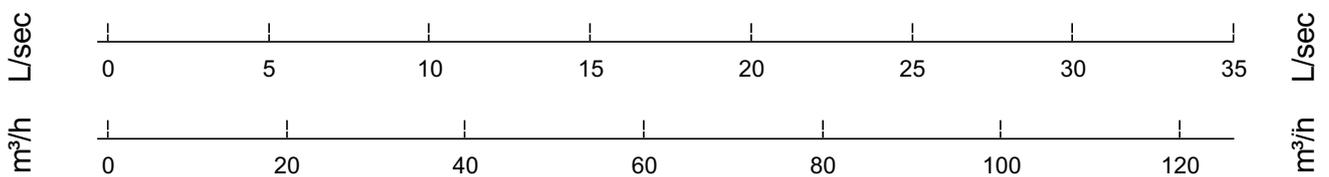
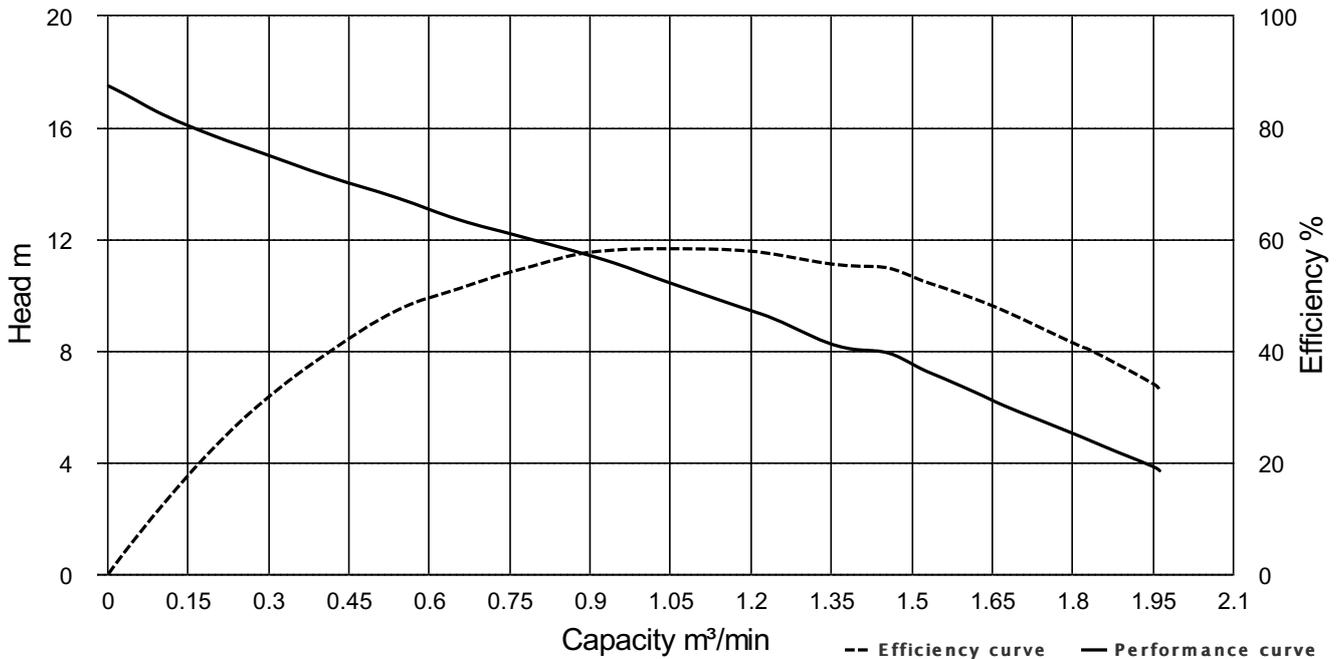
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	80(100)AFC43.7					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	5 HP / 3.7 kW						
Std. Head	10.5 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	15.2 A	8.8 A	8.4 A	8.4 A	6.7 A		
Pole / rpm	4 P / 1400 rpm						
Start Method	DOL						
Insulation Class	F						



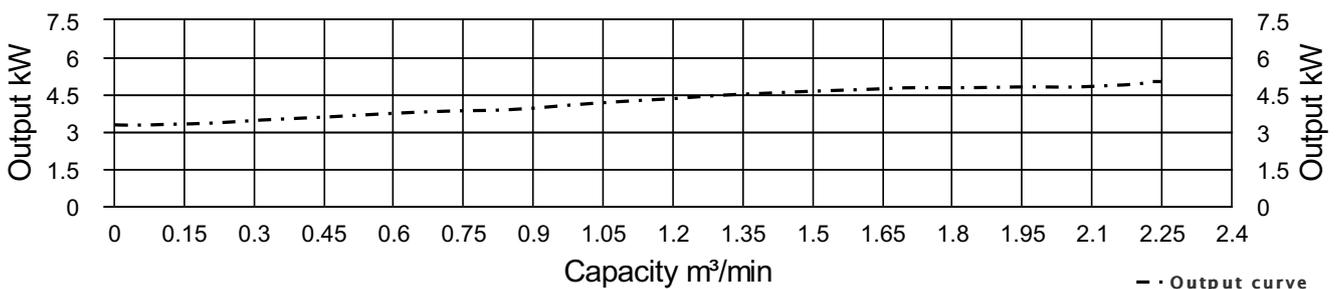
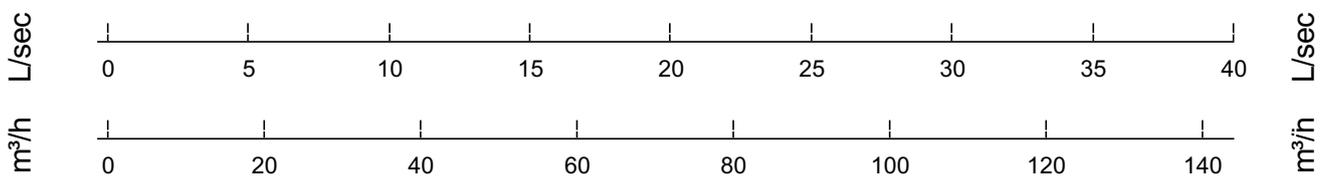
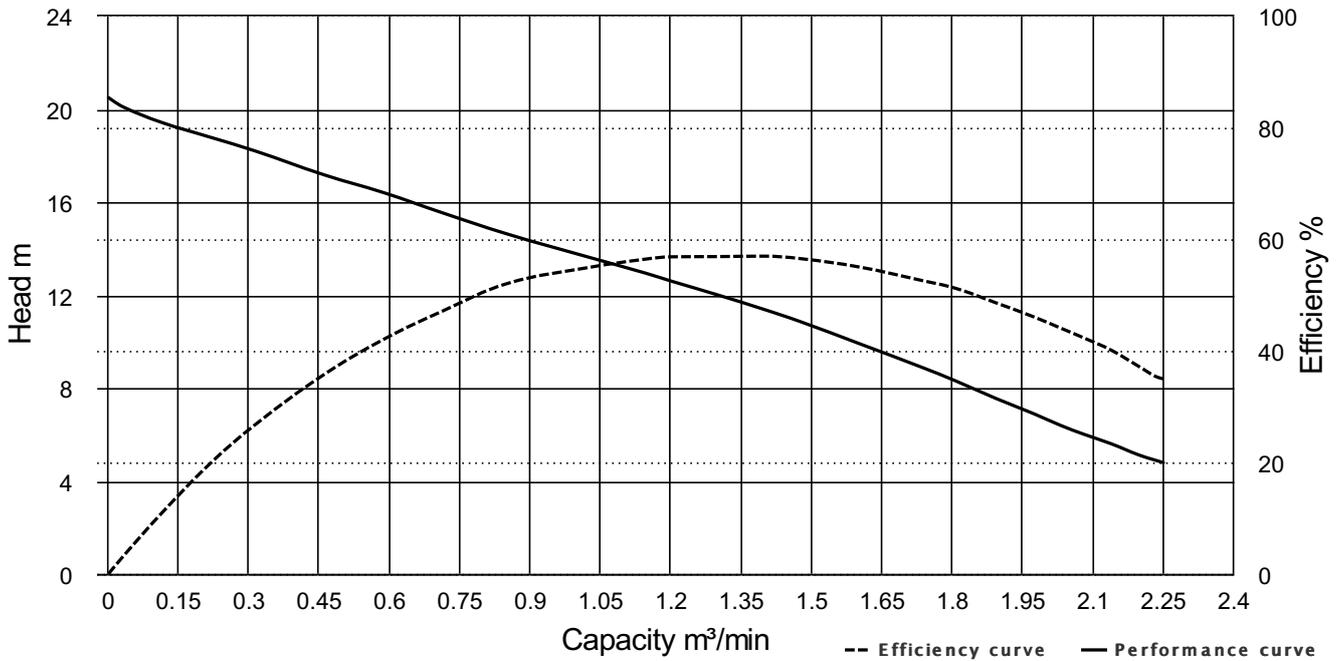
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	100(150)AFC45.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	7.5 HP / 5.5 kW						
Std. Head	13.5 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	22.2 A	12.6 A	12.2 A	12.2 A	9.8 A		
Pole / rpm	4 P / 1440 rpm						
Start Method	DOL						
Insulation Class	H						



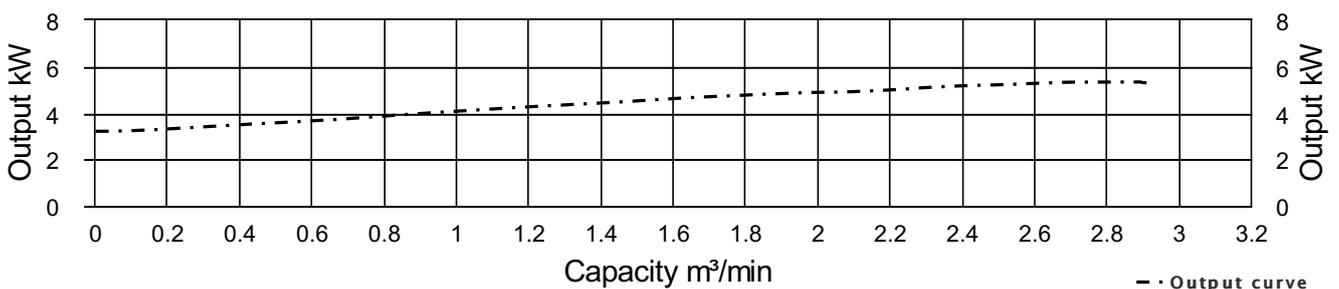
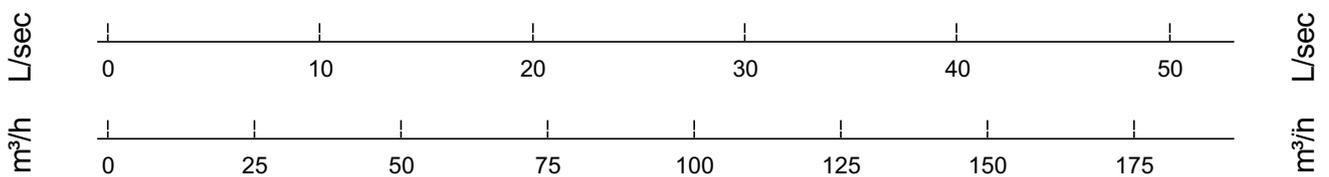
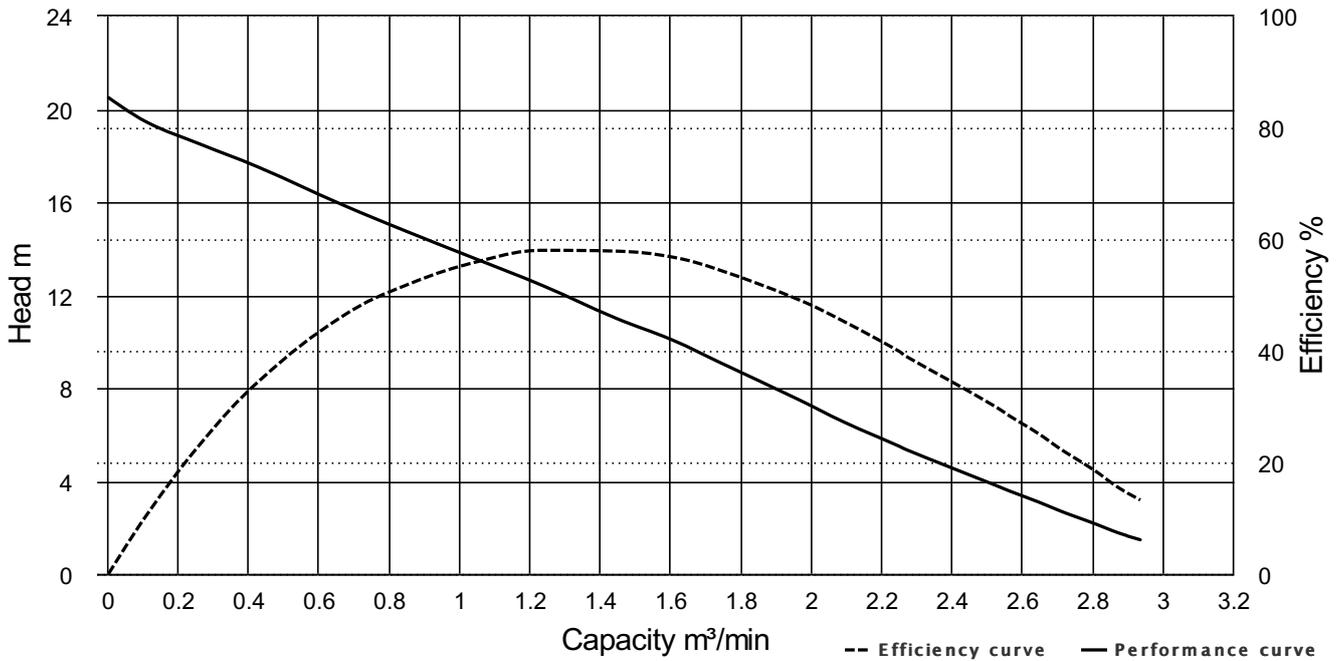
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	100(150)AFC45.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	6" / 150 mm						
Power	7.5 HP / 5.5 kW						
Std. Head	10.5 m						
Std. Capacity	1.5 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	22.2 A	12.6 A	12.2 A	12.2 A	9.8 A		
Pole / rpm	4 P / 1440 rpm						
Start Method	DOL						
Insulation Class	H						



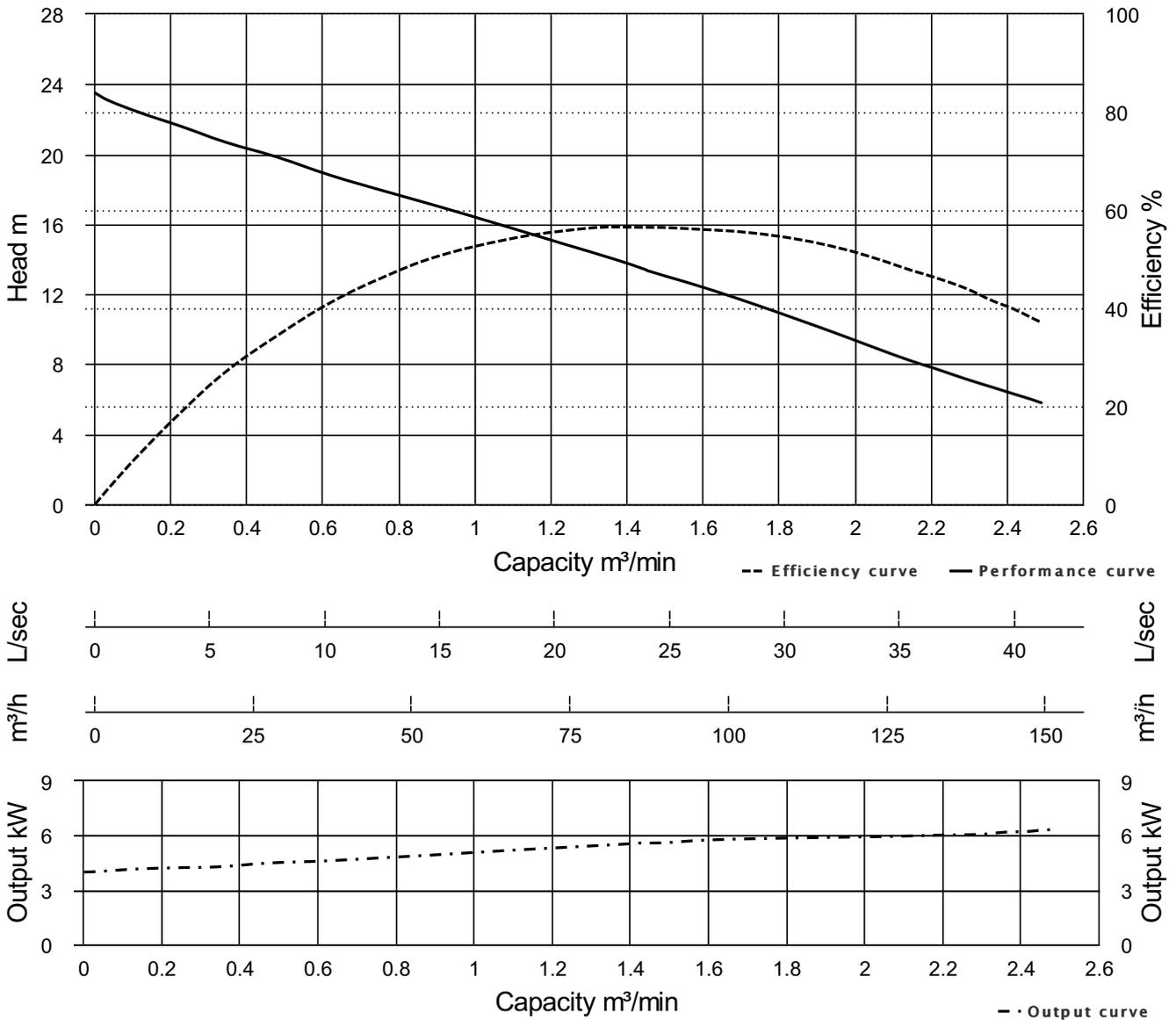
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	100(150)AFC47.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	10 HP / 7.5 kW						
Std. Head	16 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	29.2 A	16.3 A	16.1 A	16.1 A	12.9 A		
Pole / rpm	4 P / 1450 rpm						
Start Method	DOL						
Insulation Class	H						



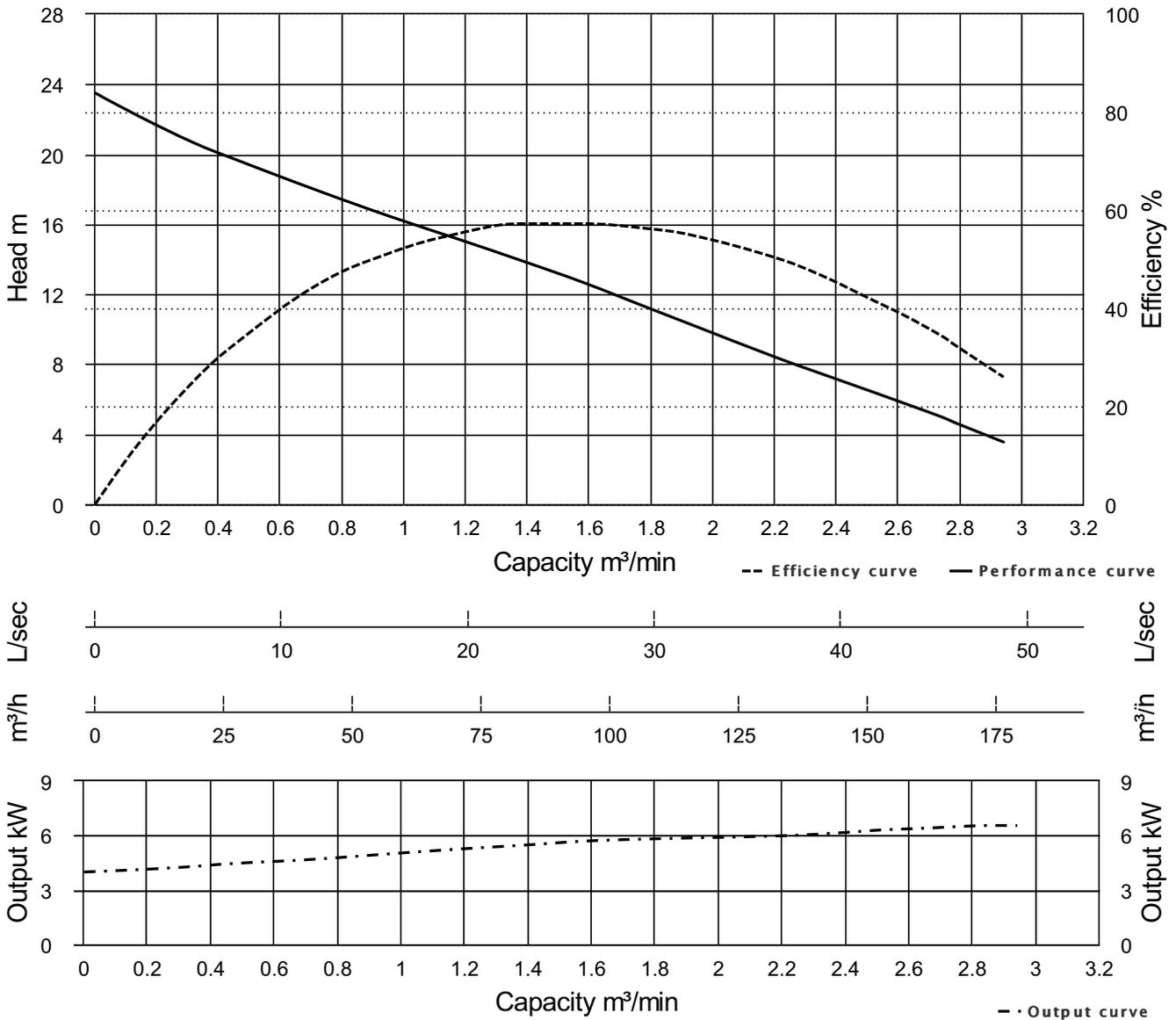
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	100(150)AFC47.5					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	6" / 150 mm						
Power	10 HP / 7.5 kW						
Std. Head	13 m						
Std. Capacity	1.5 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	29.2 A	16.3 A	16.1 A	16.1 A	12.9 A		
Pole / rpm	4 P / 1450 rpm						
Start Method	DOL						
Insulation Class	H						



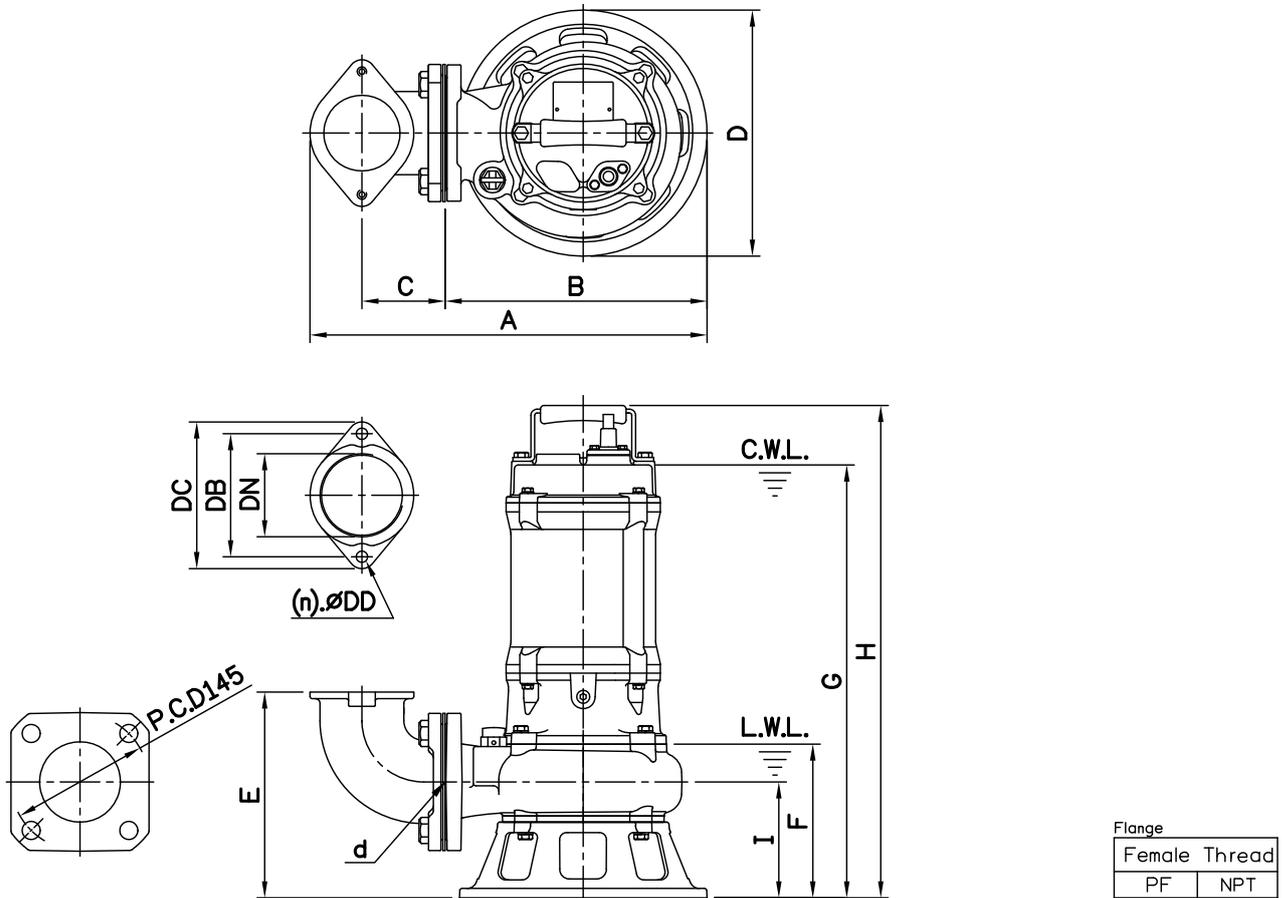
HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS

NO: S3AFC222032-00

MODEL: 80AFC21.5 / 22.2

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
80AFC21.5 1Ø	80	417	275	88	260	218	163	513	576	123	37	EB3-130	80	130	155	12	2	5
80AFC21.5 3Ø	80	417	275	88	260	218	163	458	521	123	33	EB3-130	80	130	155	12	2	5
80AFC22.2 1Ø	80	417	275	88	260	218	163	540	603	123	40	EB3-130	80	130	155	12	2	5
80AFC22.2 3Ø	80	417	275	88	260	218	163	458	521	123	35	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
80AFC21.5 1Ø	3	16 ⁷ / ₁₆	10 ³ / ₁₆	3 ¹ / ₁₆	10 ¹ / ₄	8 ³ / ₁₆	6 ⁷ / ₁₆	20 ³ / ₁₆	22 ³ / ₁₆	4 ⁹ / ₁₆	82	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
80AFC21.5 3Ø	3	16 ⁷ / ₁₆	10 ³ / ₁₆	3 ¹ / ₁₆	10 ¹ / ₄	8 ³ / ₁₆	6 ⁷ / ₁₆	18 ¹ / ₁₆	20 ³ / ₁₆	4 ¹³ / ₁₆	73	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
80AFC22.2 1Ø	3	16 ⁷ / ₁₆	10 ³ / ₁₆	3 ¹ / ₁₆	10 ¹ / ₄	8 ³ / ₁₆	6 ⁷ / ₁₆	21 ¹ / ₄	23 ³ / ₄	4 ¹³ / ₁₆	88	EB3-130	3	5 ¹ / ₈	6 ¹ / ₈	1/2	2	11
80AFC22.2 3Ø	3	16 ⁷ / ₁₆	10 ³ / ₁₆	3 ¹ / ₁₆	10 ¹ / ₄	8 ³ / ₁₆	6 ⁷ / ₁₆	18 ¹ / ₁₆	20 ³ / ₁₆	4 ¹³ / ₁₆	77	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

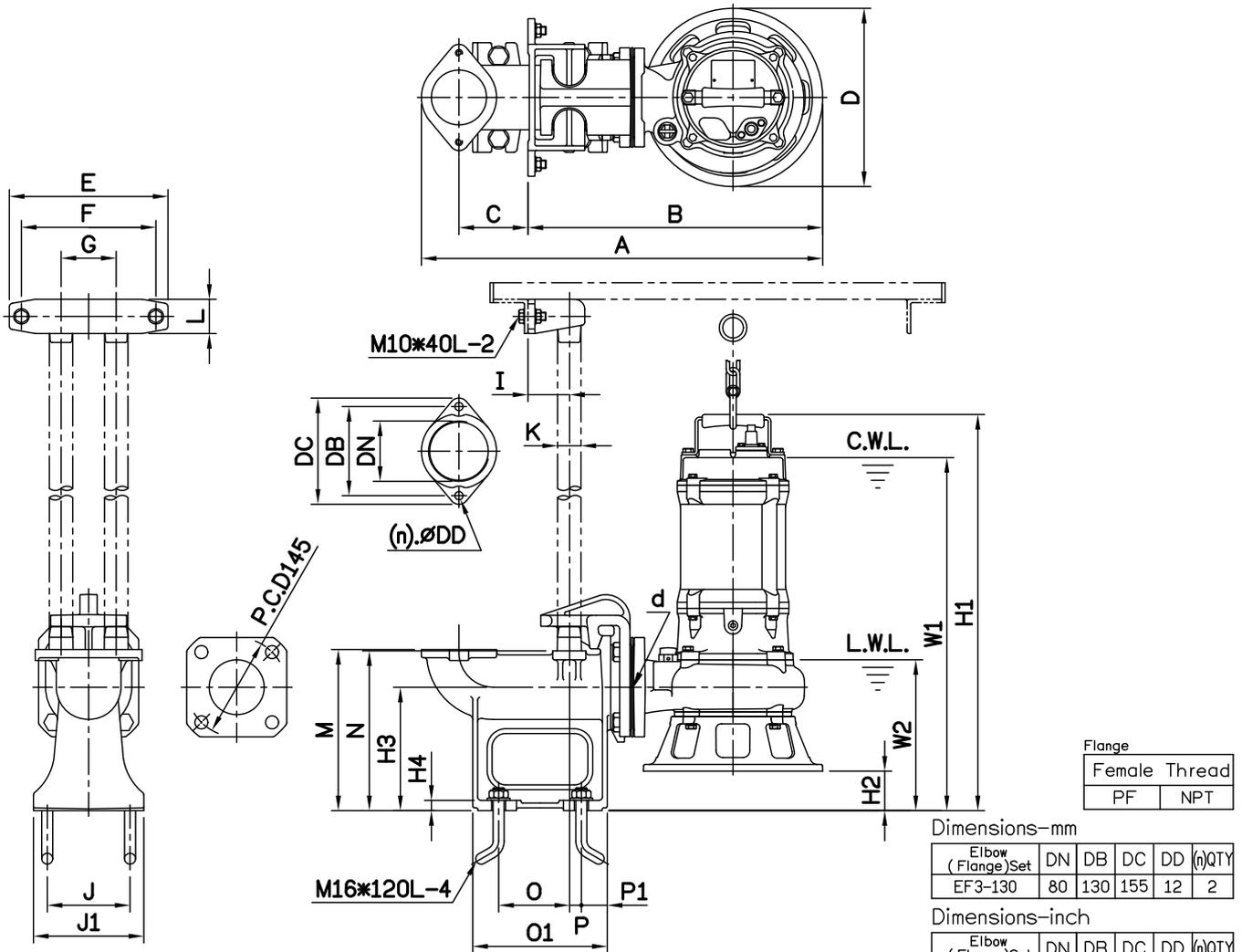
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AFC222032-00

MODEL: 80AFC21.5 / 22.2

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
80AFC21.5 1Ø	80	582	427	100	260	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	597	220	660	57	180	15	37	T2-80	20
80AFC22.2 1Ø	80	582	427	100	260	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	570	220	633	57	180	15	40	T2-80	20
80AFC21.5 3Ø	80	582	428	100	260	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	515	220	578	57	180	15	33	T2-80	20
80AFC22.2 3Ø	80	582	428	100	260	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	515	220	578	57	180	15	35	T2-80	20

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
80AFC21.5 1Ø	3	22½	16¾	3⅝	10¼	9⅛	7⅞	3⅜	2⅝	4¾	6⅝	1¼	1⅝	9¼	9⅝	4⅛	7⅞	1⅞	1½	23½	8⅞	26	2¼	7⅞	⅝	82	T2-80	43
80AFC22.2 1Ø	3	22½	16¾	3⅝	10¼	9⅛	7⅞	3⅜	2⅝	4¾	6⅝	1¼	1⅝	9¼	9⅝	4⅛	7⅞	1⅞	1½	22⅞	8⅞	24⅞	2¼	7⅞	⅝	88	T2-80	43
80AFC21.5 3Ø	3	22½	16¾	3⅝	10¼	9⅛	7⅞	3⅜	2⅝	4¾	6⅝	1¼	2	9¼	9⅝	4⅛	7⅞	1⅞	1½	20¼	8⅞	22¾	2¼	7⅞	⅝	73	T2-80	43
80AFC22.2 3Ø	3	22½	16¾	3⅝	10¼	9⅛	7⅞	3⅜	2⅝	4¾	6⅝	1¼	2	9¼	9⅝	4⅛	7⅞	1⅞	1½	20¼	8⅞	22¾	2¼	7⅞	⅝	77	T2-80	43

Weight:lb

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

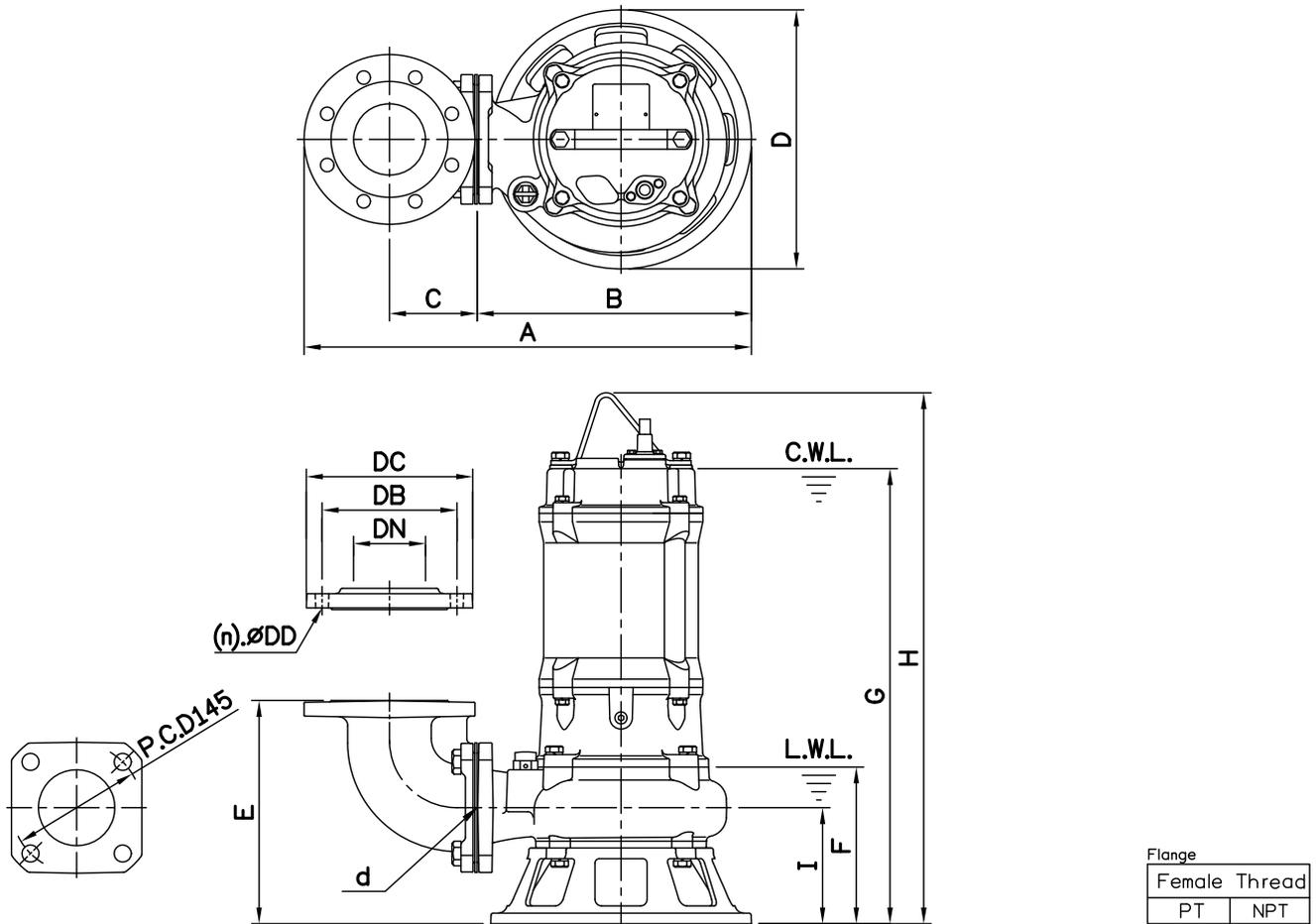
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AFC237A32-01

MODEL: 80AFC23.7A

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
80AFC23.7A	80	498	305	98	290	250	176	510	595	130	48	EB3-150A	80	150	190	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
80AFC23.7A	3	19 ⁵ / ₈	12	3 ⁷ / ₈	11 ¹ / ₁₆	9 ³ / ₁₆	6 ¹ / ₁₆	20 ¹ / ₁₆	23 ⁷ / ₁₆	5 ¹ / ₈	106	EB3-150A	3	5 ⁷ / ₈	7 ¹ / ₂	3 ¹ / ₁₆	8	26

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

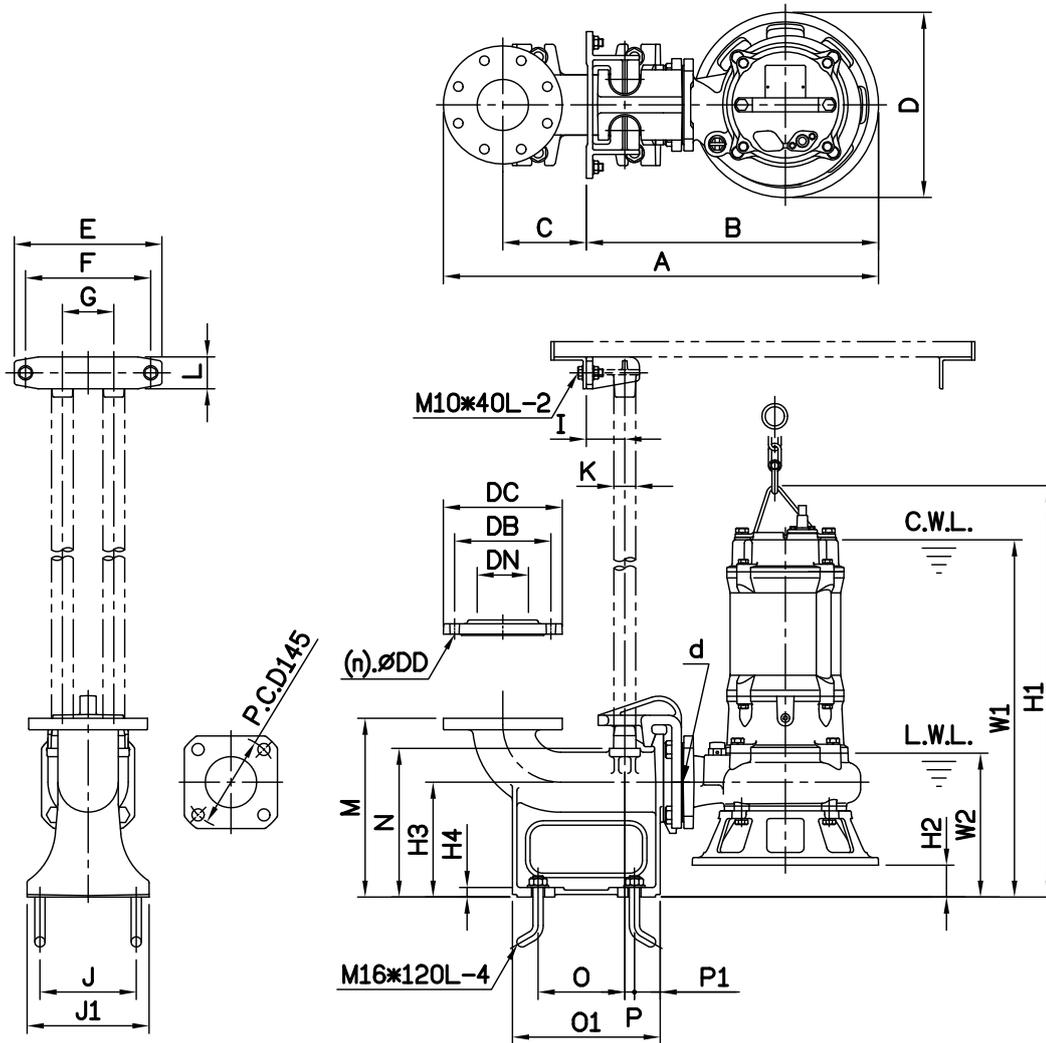
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AFC237A32-01

MODEL: 80AFC23.7A

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 ¹⁵ / ₁₆	7 ⁵ / ₁₆	⁹ / 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
80AFC23.7A	80	680	458	130	290	230	195	80	60	150	190	1 ¹ / ₄ "	50	280	233	135	230	15	40	560	225	645	50	180	15	48	T80D	27

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
80AFC23.7A	3	26 ³ / ₄	18 ¹ / ₁₆	5 ¹ / ₁₆	11 ¹ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₁₆	3 ¹ / ₈	2 ³ / ₈	5 ¹⁵ / ₁₆	7 ¹ / ₂	1 ¹ / ₄	1 ¹⁵ / ₁₆	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ⁷ / ₁₆	⁹ / ₁₆	1 ¹ / ₁₆	22 ¹ / ₁₆	8 ⁷ / ₁₆	25 ³ / ₁₆	1 ¹⁵ / ₁₆	7 ¹ / ₁₆	⁹ / ₁₆	106	T80D	59

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

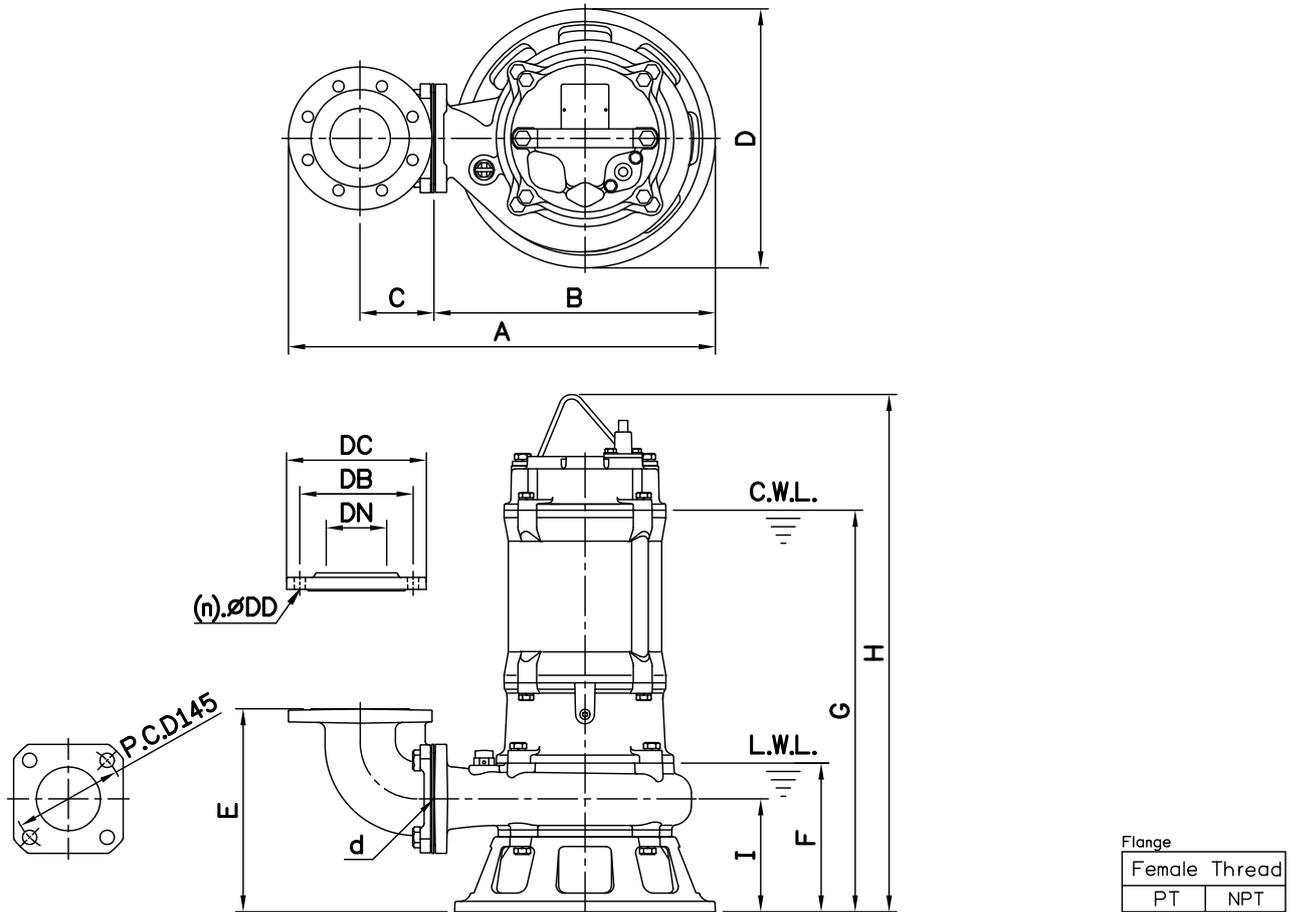
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AFC275030-00

MODEL: 80(100)AFC25.5 / 27.5

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
80(100)AFC25.5	80	565	373	98	345	271	198	590	689	151	75	EB3-150A	80	150	185	15	8	12
80(100)AFC25.5	80	596	373	113	345	282	198	590	689	151	75	EB4-175(145)	100	175	210	15	8	14
80(100)AFC27.5	80	565	373	98	345	271	198	590	689	151	81	EB3-150A	80	150	185	15	8	12
80(100)AFC27.5	80	596	373	113	345	282	198	590	689	151	81	EB4-175(145)	100	175	210	15	8	14

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
80(100)AFC25.5	3	22 $\frac{3}{4}$	14 $\frac{1}{8}$	3 $\frac{3}{8}$	13 $\frac{3}{16}$	10 $\frac{1}{8}$	7 $\frac{7}{8}$	23 $\frac{3}{4}$	27 $\frac{1}{2}$	5 $\frac{15}{16}$	165	EB3-150A	3	5 $\frac{7}{8}$	7 $\frac{3}{8}$	$\frac{3}{16}$	8	26
80(100)AFC25.5	3	23 $\frac{3}{8}$	14 $\frac{1}{8}$	4 $\frac{1}{8}$	13 $\frac{3}{16}$	11 $\frac{1}{8}$	7 $\frac{7}{8}$	23 $\frac{3}{4}$	27 $\frac{1}{2}$	5 $\frac{15}{16}$	165	EB4-175(145)	4	6 $\frac{7}{8}$	8 $\frac{1}{4}$	$\frac{3}{16}$	8	30
80(100)AFC27.5	3	22 $\frac{3}{4}$	14 $\frac{1}{8}$	3 $\frac{3}{8}$	13 $\frac{3}{16}$	10 $\frac{1}{8}$	7 $\frac{7}{8}$	23 $\frac{3}{4}$	27 $\frac{1}{2}$	5 $\frac{15}{16}$	179	EB3-150A	3	5 $\frac{7}{8}$	7 $\frac{3}{8}$	$\frac{3}{16}$	8	26
80(100)AFC27.5	3	23 $\frac{3}{8}$	14 $\frac{1}{8}$	4 $\frac{1}{8}$	13 $\frac{3}{16}$	11 $\frac{1}{8}$	7 $\frac{7}{8}$	23 $\frac{3}{4}$	27 $\frac{1}{2}$	5 $\frac{15}{16}$	179	EB4-175(145)	4	6 $\frac{7}{8}$	8 $\frac{1}{4}$	$\frac{3}{16}$	8	30

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

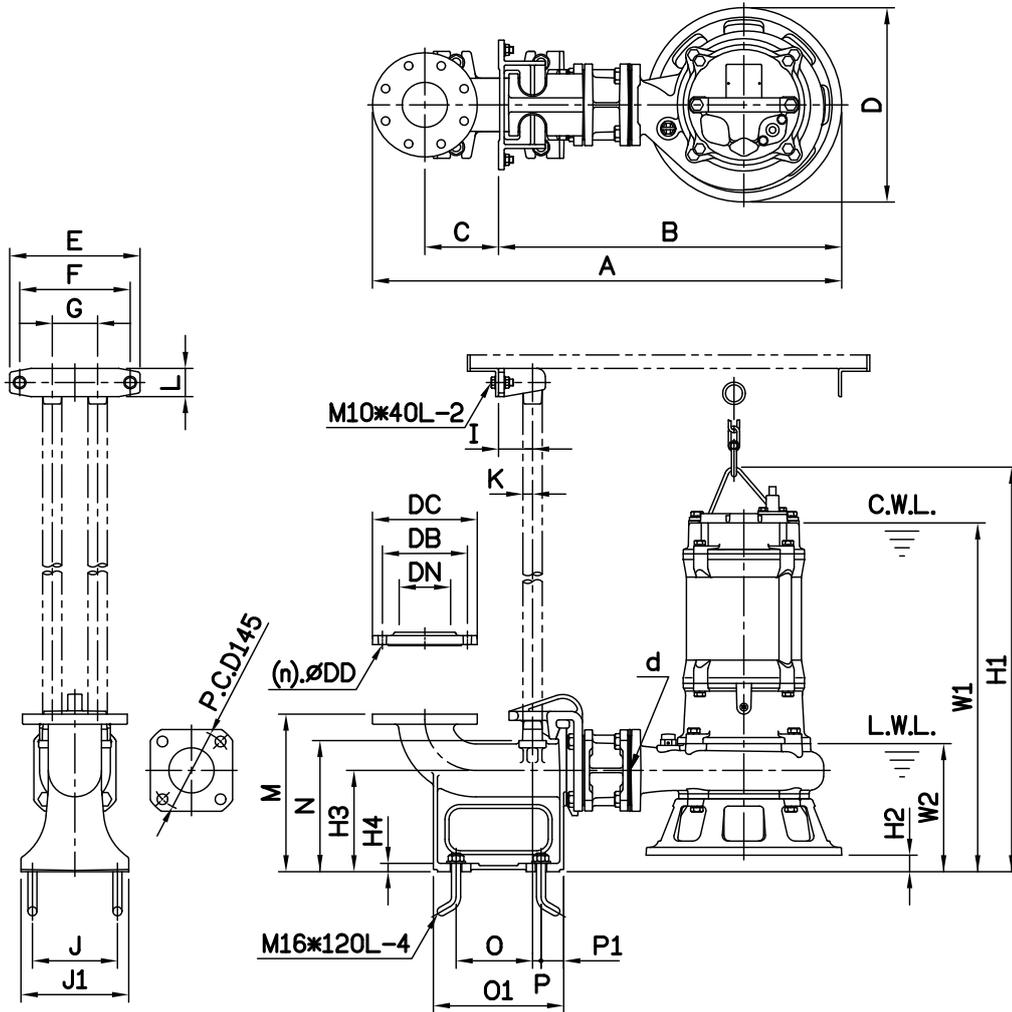
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AFC275030-00

MODEL: 80(100)AFC25.5 / 27.5

50Hz 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions—mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	80	150	185	15	8
EF4-175	100	175	210	15	8

Dimensions—inch

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	3	5 ⁹ / ₁₆	7 ⁷ / ₁₆	⁵ / ₁₆	8
EF4-175	4	6 ⁷ / ₁₆	8 ¹ / ₄	⁵ / 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	GRS Set	WT2
80(100)AFC25.5	80	828	606	130	345	230	195	80	60	150	190	1 ¹ / ₄	50	280	233	135	230	15	40	620	228	719	30	180	15	75	T80DH	31
80(100)AFC25.5	80	860	606	150	345	230	195	80	60	170	210	1 ¹ / ₄	50	285	233	155	250	15	40	620	228	719	30	180	15	75	T100(80)BH	34
80(100)AFC27.5	80	828	606	130	345	230	195	80	60	150	190	1 ¹ / ₄	50	280	233	135	230	15	40	620	228	719	30	180	15	81	T80DH	31
80(100)AFC27.5	80	860	606	150	345	230	195	80	60	170	210	1 ¹ / ₄	50	285	233	155	250	15	40	620	228	719	30	180	15	81	T100(80)BH	34

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
80(100)AFC25.5	3	32 ³ / ₈	23 ³ / ₈	5 ¹ / ₈	13 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₈	3 ¹ / ₈	2 ³ / ₈	5 ¹ / ₈	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ¹ / ₁₆	⁹ / ₁₆	1 ¹ / ₁₆	24 ¹ / ₁₆	9	28 ⁵ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₁₆	⁹ / ₁₆	165	T80DH	68
80(100)AFC25.5	3	33 ⁷ / ₈	23 ³ / ₈	5 ¹⁵ / ₁₆	13 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₈	3 ³ / ₈	2 ³ / ₈	6 ¹ / ₈	8 ¹ / ₄	1 ¹ / ₄	2	11 ¹ / ₄	9 ³ / ₁₆	6 ⁷ / ₁₆	9 ³ / ₁₆	⁹ / ₁₆	1 ¹ / ₁₆	24 ¹ / ₁₆	9	28 ⁵ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₁₆	⁹ / ₁₆	165	T100(80)BH	75
80(100)AFC27.5	3	32 ³ / ₈	23 ³ / ₈	5 ¹ / ₈	13 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₈	3 ¹ / ₈	2 ³ / ₈	5 ¹ / ₈	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ¹ / ₁₆	⁹ / ₁₆	1 ¹ / ₁₆	24 ¹ / ₁₆	9	28 ⁵ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₁₆	⁹ / ₁₆	179	T80DH	68
80(100)AFC27.5	3	33 ⁷ / ₈	23 ³ / ₈	5 ¹⁵ / ₁₆	13 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₈	3 ³ / ₈	2 ³ / ₈	6 ¹ / ₈	8 ¹ / ₄	1 ¹ / ₄	2	11 ¹ / ₄	9 ³ / ₁₆	6 ⁷ / ₁₆	9 ³ / ₁₆	⁹ / ₁₆	1 ¹ / ₁₆	24 ¹ / ₁₆	9	28 ⁵ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₁₆	⁹ / ₁₆	179	T100(80)BH	75

Weight:lb

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

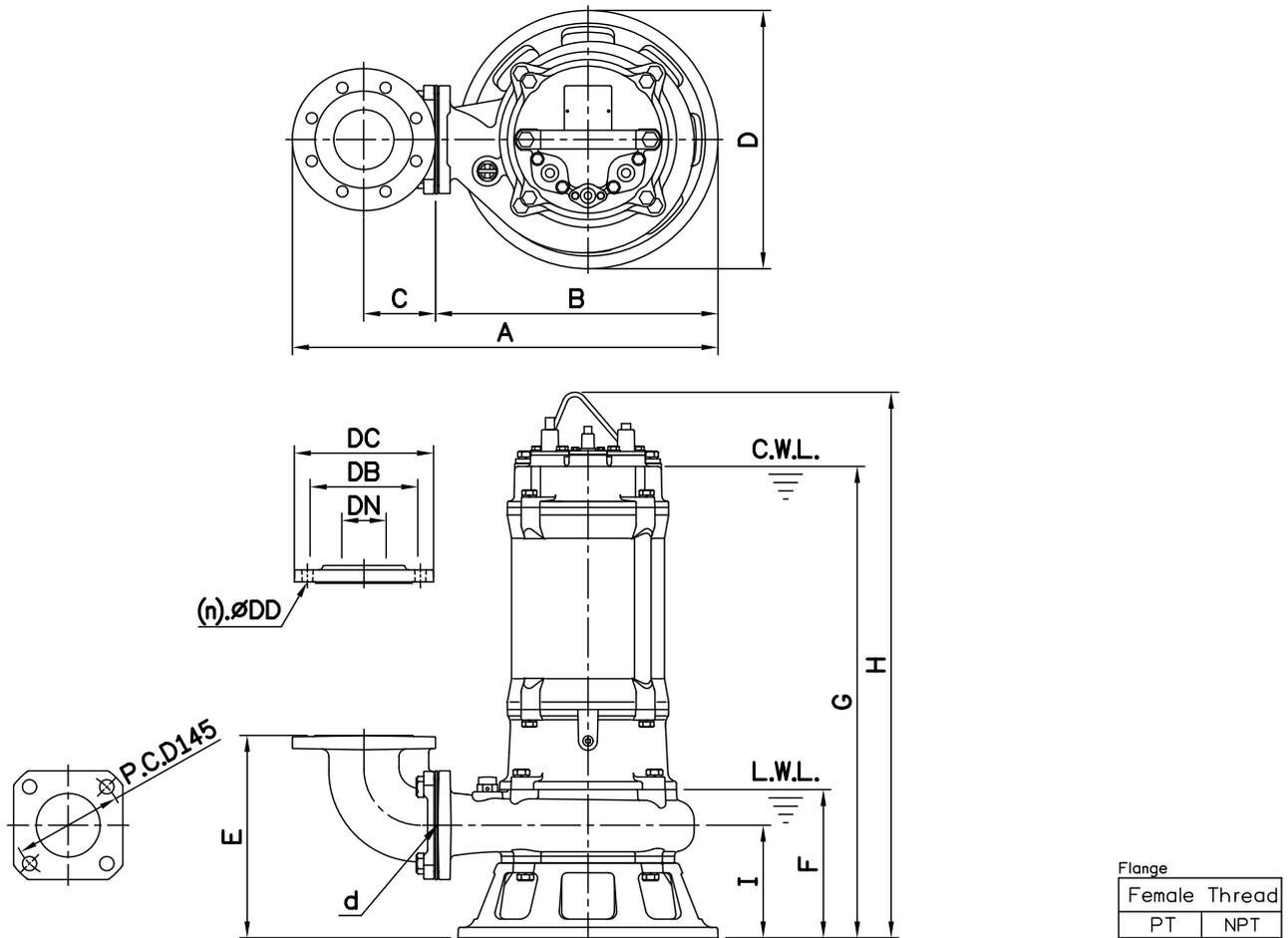
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AFC2A1030-00

MODEL: 80(100)AFC211

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
80(100)AFC211	80	565	373	98	345	271	198	630	729	151	91	EB3-150A	80	150	185	15	8	12
80(100)AFC211	80	596	373	113	345	282	198	630	729	151	91	EB4-175(145)	100	175	210	15	8	14

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
80(100)AFC211	3	22 ³ / ₁₆	14 ¹ / ₁₆	3 ⁷ / ₁₆	13 ³ / ₁₆	10 ¹ / ₁₆	7 ⁷ / ₁₆	24 ¹³ / ₁₆	28 ¹ / ₁₆	5 ¹ / ₁₆	201	EB3-150A	3	5 ¹⁵ / ₁₆	7 ⁵ / ₁₆	2 ¹ / ₁₆	8	26
80(100)AFC211	3	23 ⁷ / ₁₆	14 ¹ / ₁₆	4 ¹ / ₁₆	13 ³ / ₁₆	11 ¹ / ₁₆	7 ⁷ / ₁₆	24 ¹³ / ₁₆	28 ¹ / ₁₆	5 ¹ / ₁₆	201	EB4-175(145)	4	6 ¹⁵ / ₁₆	8 ⁵ / ₁₆	2 ¹ / ₁₆	8	30

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

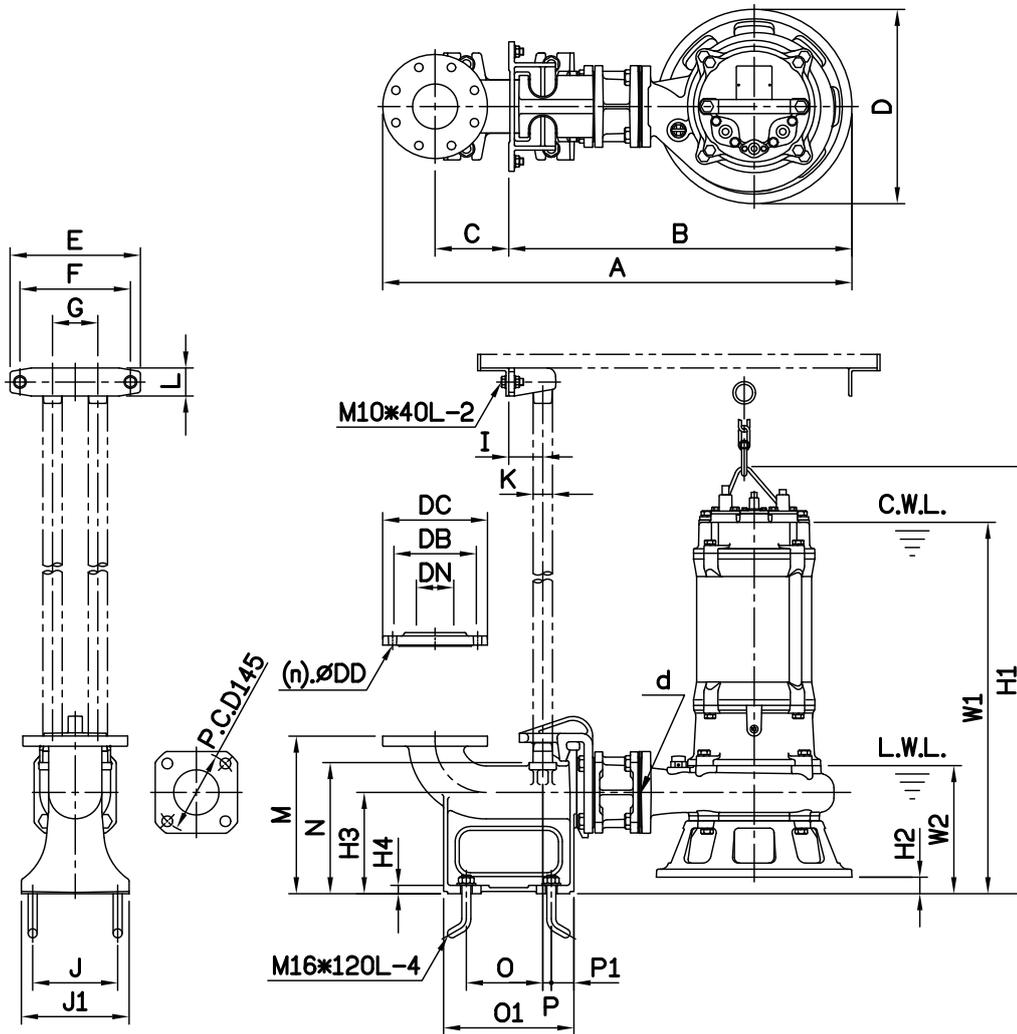
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AFC2A1030-00

MODEL: 80(100)AFC211

50Hz 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions—mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	80	150	185	15	8
EF4-175	100	175	210	15	8

Dimensions—inch

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	3	5 ⁹ / ₁₆	7 ⁷ / ₁₆	⁵ / ₁₆	8
EF4-175	4	6 ⁷ / ₁₆	8 ¹ / ₄	⁵ / 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
80(100)AFC211	80	828	606	130	345	230	195	80	60	150	190	1 ¹ / ₄	50	280	233	135	230	15	40	660	228	759	30	180	15	91	T80DH	31
80(100)AFC211	80	860	606	150	345	230	195	80	60	170	210	1 ¹ / ₄	50	285	233	155	250	15	40	660	228	759	30	180	15	91	T100(80)BH	34

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
80(100)AFC211	3	32 ³ / ₈	23 ⁷ / ₈	5 ¹ / ₈	13 ³ / ₈	9 ¹ / ₈	7 ⁷ / ₈	3 ¹ / ₈	2 ³ / ₈	5 ⁷ / ₈	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₈	5 ⁵ / ₈	9 ¹ / ₈	⁹ / ₁₆	1 ¹ / ₈	26	9	29 ³ / ₈	1 ³ / ₈	7 ¹ / ₈	¹ / ₈	201	T80DH	68
80(100)AFC211	3	33 ³ / ₈	23 ⁷ / ₈	5 ¹ / ₈	13 ³ / ₈	9 ¹ / ₈	7 ⁷ / ₈	3 ¹ / ₈	2 ³ / ₈	6 ¹ / ₈	8 ¹ / ₄	1 ¹ / ₄	2	11 ¹ / ₄	9 ³ / ₈	6 ¹ / ₈	9 ³ / ₈	⁹ / ₁₆	1 ¹ / ₈	26	9	29 ³ / ₈	1 ³ / ₈	7 ¹ / ₈	¹ / ₈	201	T100(80)BH	75

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

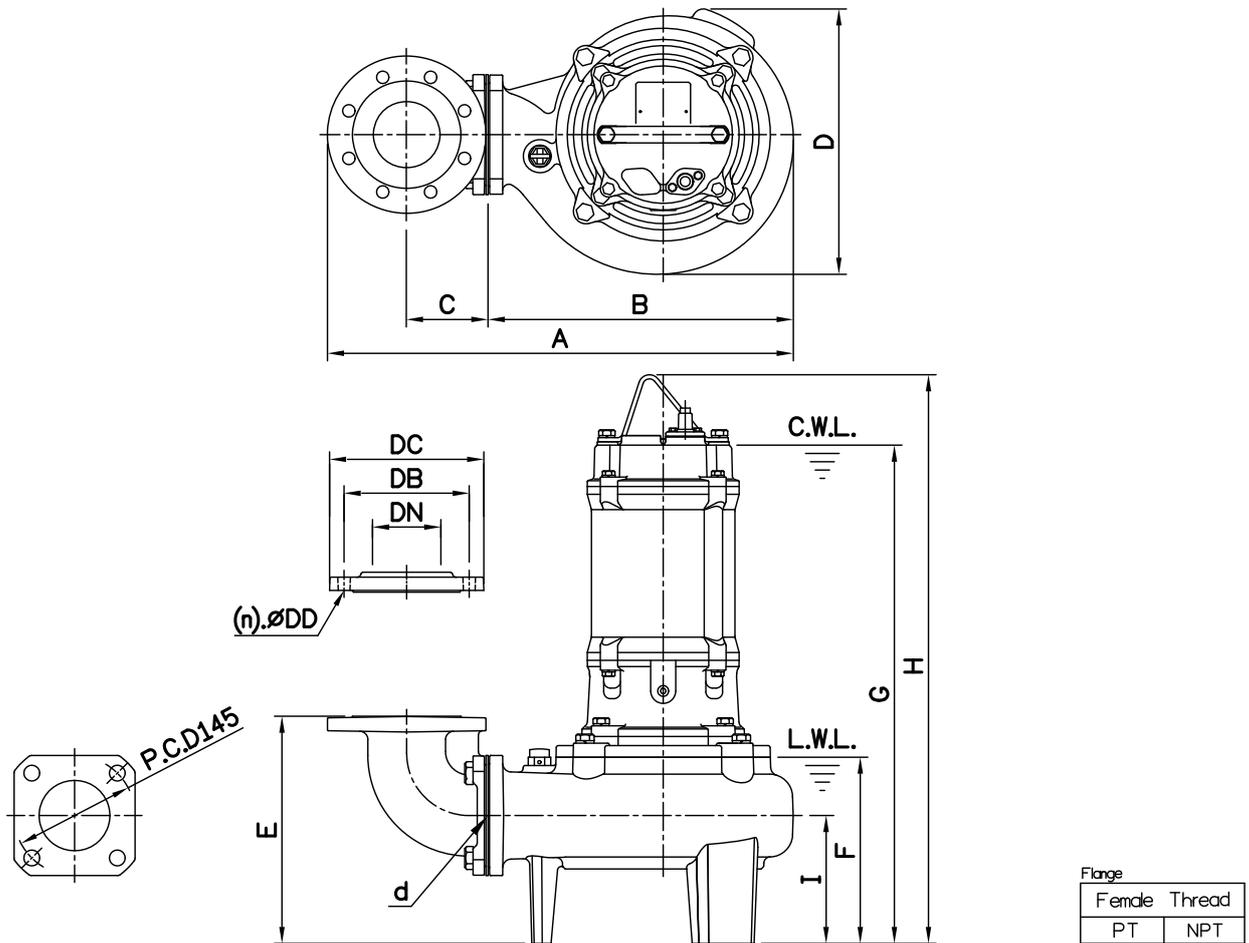
WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

DIMENSIONS

NO: S3AFC437030-00

MODEL: 80AFC42.2 / 80(100)AFC43.7

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
80AFC42.2 3Ø	80	557	365	98	316	265	201	543	628	145	60	EB3-150A	80	150	185	15	8	12
80(100)AFC43.7 3Ø	80	559	366	98	321	275	225	602	687	155	69	EB3-150A	80	150	185	15	8	12
80(100)AFC43.7 3Ø	80	589	366	113	321	275	225	602	687	155	69	EB4-175(145)	100	175	210	15	8	14

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
80AFC42.2 3Ø	3	21 ¹⁵ / ₁₆	14 ³ / ₈	3 ⁷ / ₈	12 ⁷ / ₁₆	10 ⁷ / ₁₆	7 ¹⁵ / ₁₆	21 ³ / ₈	24 ³ / ₄	5 ¹¹ / ₁₆	132	EB3-150A	3	5 ⁷ / ₈	7 ⁵ / ₈	1 ¹ / ₈	8	26
80(100)AFC43.7 3Ø	3	22	14 ⁷ / ₁₆	3 ⁷ / ₈	12 ⁵ / ₈	10 ¹³ / ₁₆	8 ⁷ / ₈	23 ¹¹ / ₁₆	27 ¹ / ₁₆	6 ¹ / ₈	152	EB3-150A	3	5 ⁷ / ₈	7 ⁵ / ₈	1 ¹ / ₈	8	26
80(100)AFC43.7 3Ø	3	23 ⁷ / ₁₆	14 ⁷ / ₁₆	4 ⁷ / ₁₆	12 ⁵ / ₈	10 ¹³ / ₁₆	8 ⁷ / ₈	23 ¹¹ / ₁₆	27 ¹ / ₁₆	6 ¹ / ₈	152	EB4-175(145)	4	6 ⁷ / ₈	8 ³ / ₄	1 ¹ / ₈	8	31

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

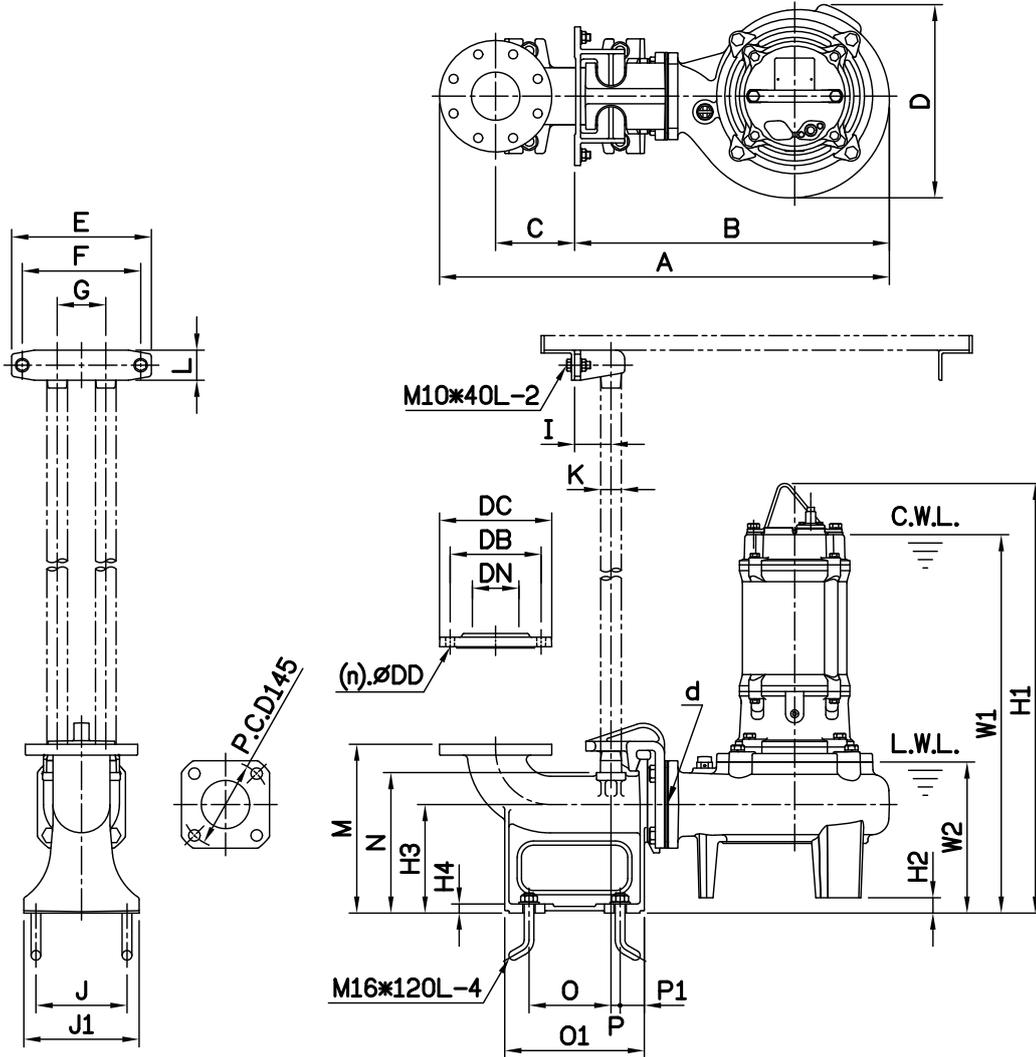
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T3AFC437030-00

MODEL: 80AFC42.2 / 80(100)AFC43.7

50Hz 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions—mm

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	80	150	185	15	8
EF4-175	100	175	210	15	8

Dimensions—inches

Elbow (Flange) Set	DN	DB	DC	DD	(n)QTY
EF3-150	3	5 ⁷ / ₁₆	7 ⁷ / ₁₆	9 ⁹ / ₁₆	8
EF4-175	4	6 ⁷ / ₁₆	8 ¹ / ₄	9 ⁹ / 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	GRS Set	WT2
80AFC42.2 3Ø	80	740	517	130	316	230	195	80	60	150	190	1 ¹ / ₄ "	50	280	233	135	230	15	40	578	236	663	35	180	15	60	T80D	27
80(100)AFC43.7 3Ø	80	741	519	130	321	230	195	80	60	150	190	1 ¹ / ₄ "	50	280	233	135	230	15	40	628	251	713	26	180	15	69	T80D	27
80(100)AFC43.7 3Ø	80	773	519	130	321	230	195	80	60	170	210	1 ¹ / ₄ "	50	285	233	155	250	15	40	628	251	713	26	180	15	69	T100(80)B	30

Weight:kg

Dimensions—inches

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	
80AFC42.2 3Ø	3	29 ¹ / ₁₆	20 ³ / ₁₆	5 ¹ / ₁₆	12 ⁷ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₁₆	3 ¹ / ₈	3 ³ / ₈	5 ⁷ / ₈	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ⁹ / ₁₆	9 ⁹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	22 ³ / ₄	9 ⁵ / ₁₆	26 ¹ / ₁₆	1 ¹ / ₈	7 ¹ / ₁₆	9 ⁹ / ₁₆	132	T80D	60
80(100)AFC43.7 3Ø	3	29 ³ / ₁₆	20 ⁷ / ₁₆	5 ¹ / ₁₆	12 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₁₆	3 ¹ / ₈	3 ³ / ₈	3 ⁷ / ₈	7 ¹ / ₂	1 ¹ / ₄	2	11	9 ³ / ₁₆	5 ⁵ / ₁₆	9 ⁹ / ₁₆	9 ⁹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	24 ³ / ₄	9 ⁷ / ₁₆	28 ¹ / ₁₆	1	7 ¹ / ₁₆	9 ⁹ / ₁₆	152	T80D	60
80(100)AFC43.7 3Ø	3	30 ⁷ / ₁₆	20 ⁷ / ₁₆	5 ¹ / ₁₆	12 ⁵ / ₁₆	9 ¹ / ₁₆	7 ¹ / ₁₆	3 ¹ / ₈	3 ³ / ₈	6 ¹ / ₁₆	8 ¹ / ₄	1 ¹ / ₄	2	11 ¹ / ₄	9 ³ / ₁₆	6 ¹ / ₈	9 ⁹ / ₁₆	9 ⁹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	24 ³ / ₄	9 ⁷ / ₁₆	28 ¹ / ₁₆	1	7 ¹ / ₁₆	9 ⁹ / ₁₆	152	T100(80)B	66

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

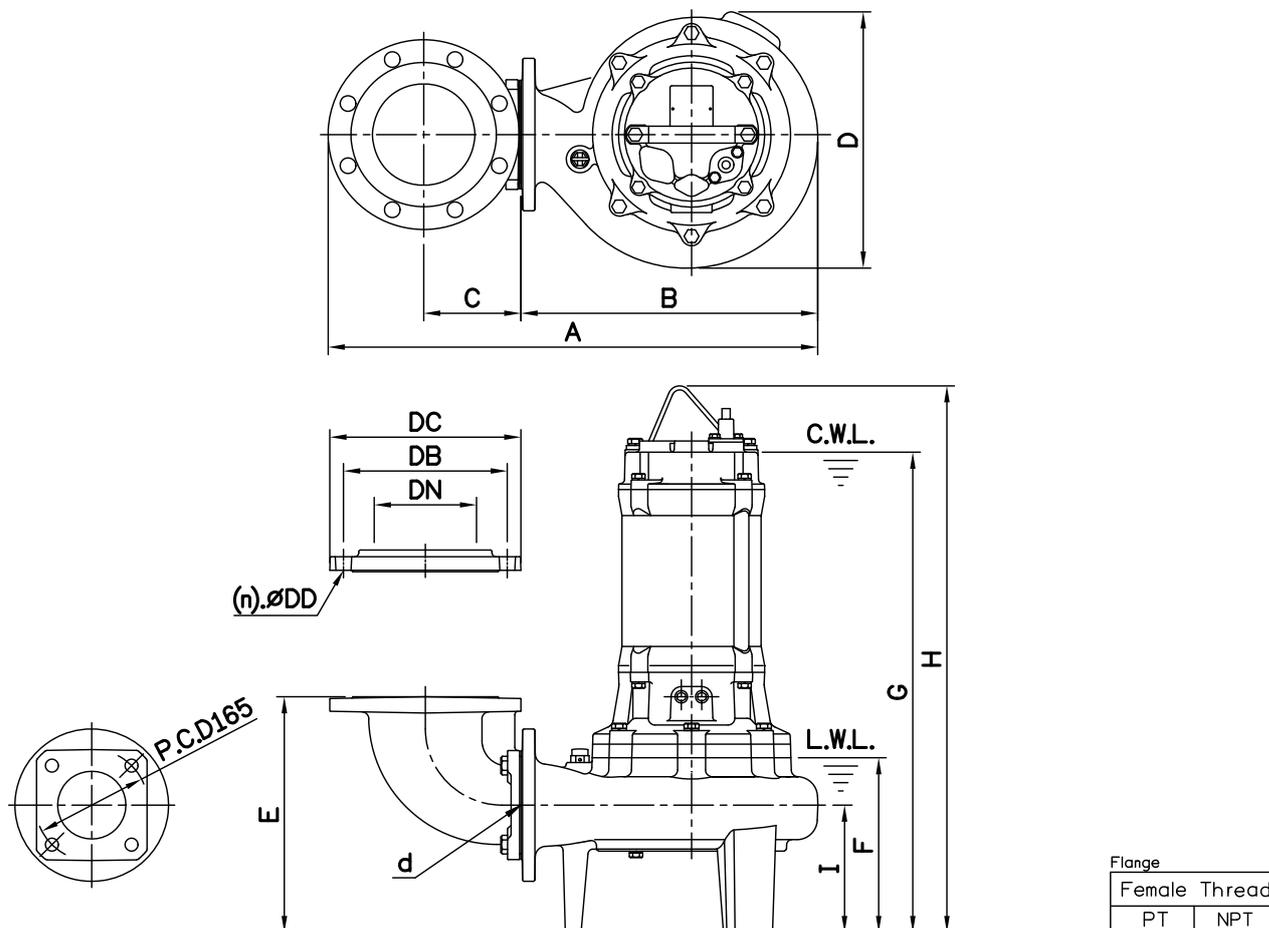
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: S4AFC475030-00

MODEL: 100(150)AFC45.5 / 47.5

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
100(150)AFC45.5	100	657	435	113	378	318	258	669	767	188	105	EB4-175A	100	175	210	15	8	13
100(150)AFC45.5	100	717	435	143	378	348	258	669	767	188	105	EB6-240(165)	150	240	280	23	8	23
100(150)AFC47.5	100	657	435	113	378	318	258	709	807	188	118	EB4-175A	100	175	210	15	8	13
100(150)AFC47.5	100	717	435	143	378	348	258	709	807	188	118	EB6-240(165)	150	240	280	23	8	23

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
100(150)AFC45.5	4	25 ³ / ₈	17 ¹ / ₈	4 ⁷ / ₁₆	14 ³ / ₈	12 ¹ / ₂	10 ³ / ₁₆	26 ⁵ / ₁₆	30 ³ / ₁₆	7 ³ / ₈	231	EB4-175A	4	6 ³ / ₄	8 ¹ / ₄	9 ¹ / ₁₆	8	29
100(150)AFC45.5	4	28 ³ / ₄	17 ¹ / ₈	5 ⁵ / ₁₆	14 ³ / ₈	13 ³ / ₁₆	10 ³ / ₁₆	26 ⁵ / ₁₆	30 ³ / ₁₆	7 ³ / ₈	231	EB6-240(165)	6	9 ⁷ / ₁₆	11	7 ¹ / ₈	8	51
100(150)AFC47.5	4	25 ³ / ₈	17 ¹ / ₈	4 ⁷ / ₁₆	14 ³ / ₈	12 ¹ / ₂	10 ³ / ₁₆	27 ¹⁵ / ₁₆	31 ³ / ₄	7 ³ / ₈	260	EB4-175A	4	6 ³ / ₄	8 ¹ / ₄	9 ¹ / ₁₆	8	29
100(150)AFC47.5	4	28 ³ / ₄	17 ¹ / ₈	5 ⁵ / ₁₆	14 ³ / ₈	13 ³ / ₁₆	10 ³ / ₁₆	27 ¹⁵ / ₁₆	31 ³ / ₄	7 ³ / ₈	260	EB6-240(165)	6	9 ⁷ / ₁₆	11	7 ¹ / ₈	8	51

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

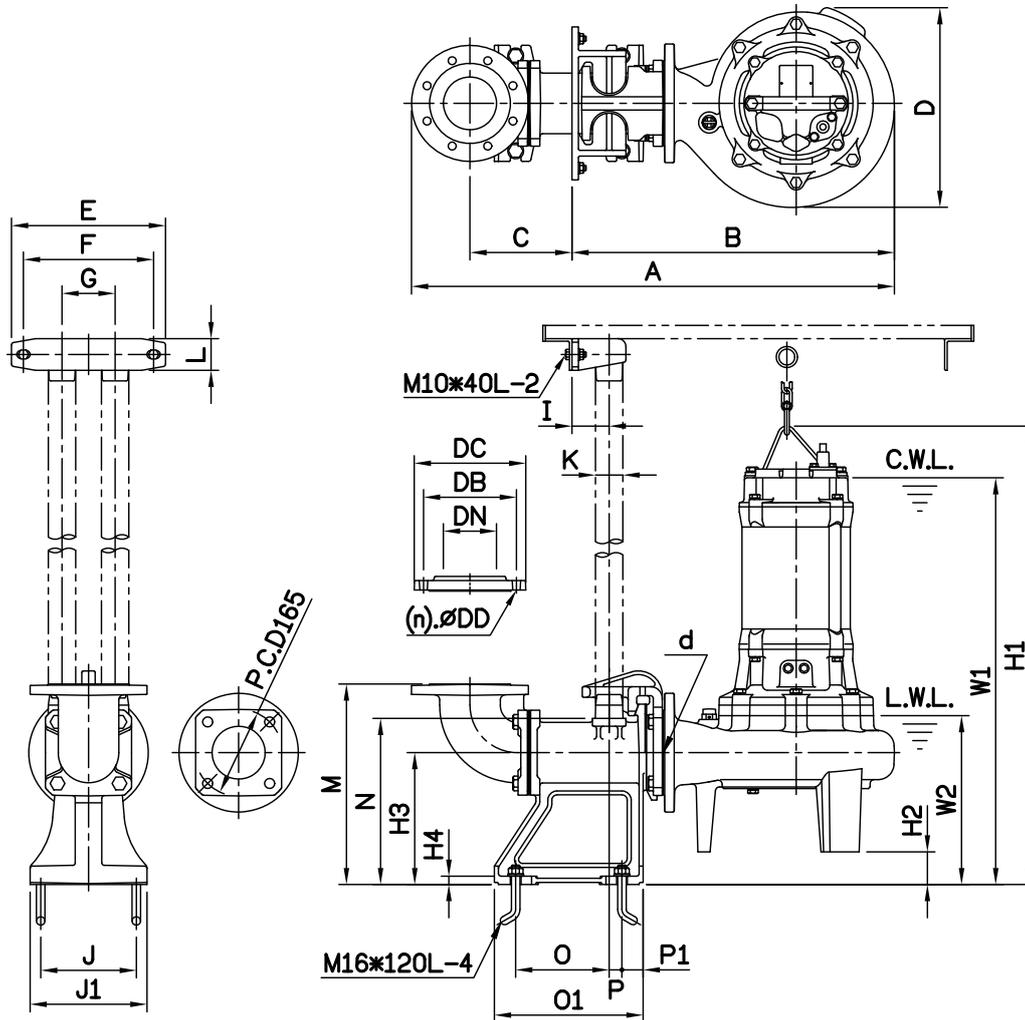
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: T4AFC475030-00

MODEL: 100(150)AFC45.5 / 47.5

50Hz 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions—mm

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF4-175	100	175	210	15	8
EF6-240	150	240	280	23	8

Dimensions—inch

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF4-175	4	6 ⁷ / ₈	8 ¹ / ₄	³ / ₈	8
EF6-240	6	9 ¹ / ₈	11	⁷ / ₈	8

Dimensions—mm

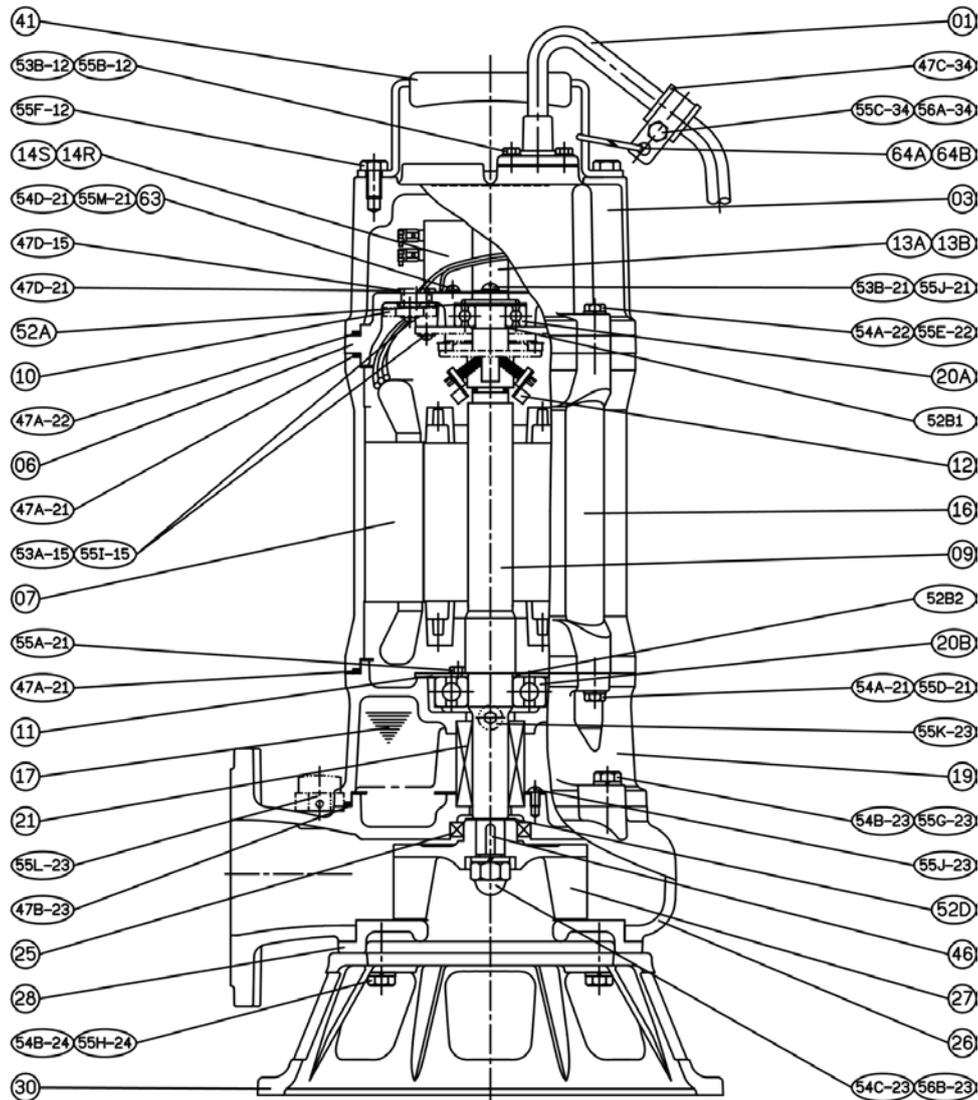
Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	Weight:kg	
																											GRS Set	WT2
100(150)AFC45.5	100	912	607	192	378	290	245	100	70	180	220	2"	60	380	315	176	280	24	40	731	320	829	62	250	16	105	T100B	45
100(150)AFC45.5	100	972	607	222	378	290	245	100	70	180	220	2"	60	410	315	176	280	24	40	731	320	829	62	250	16	105	T150(100)B	50
100(150)AFC47.5	100	912	607	192	378	290	245	100	70	180	220	2"	60	380	315	176	280	24	40	771	320	869	62	250	16	118	T100B	45
100(150)AFC47.5	100	972	607	222	378	290	245	100	70	180	220	2"	60	410	315	176	280	24	40	771	320	869	62	250	16	118	T150(100)B	50

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
100(150)AFC45.5	4	35 ³ / ₈	23 ³ / ₈	7 ¹ / ₈	14 ⁷ / ₈	11 ⁷ / ₁₆	9 ⁵ / ₈	3 ¹⁵ / ₁₆	2 ³ / ₄	7 ¹ / ₈	8 ¹ / ₁₆	2	2 ³ / ₈	14 ¹⁵ / ₁₆	12 ³ / ₈	6 ¹⁵ / ₁₆	11	1 ⁵ / ₁₆	1 ¹ / ₁₆	28 ³ / ₄	12 ⁵ / ₈	32 ⁵ / ₁₆	2 ⁷ / ₁₆	9 ¹⁹ / ₁₆	5 ⁵ / ₈	231	T100B	99
100(150)AFC45.5	4	38 ³ / ₄	23 ³ / ₈	8 ³ / ₄	14 ⁷ / ₈	11 ⁷ / ₁₆	9 ⁵ / ₈	3 ¹⁵ / ₁₆	2 ³ / ₄	7 ¹ / ₈	8 ¹ / ₁₆	2	2 ³ / ₈	16 ⁷ / ₈	12 ³ / ₈	6 ¹⁵ / ₁₆	11	1 ⁵ / ₁₆	1 ¹ / ₁₆	28 ³ / ₄	12 ⁵ / ₈	32 ⁵ / ₁₆	2 ⁷ / ₁₆	9 ¹⁹ / ₁₆	5 ⁵ / ₈	231	T150(100)B	110
100(150)AFC47.5	4	35 ³ / ₈	23 ³ / ₈	7 ¹ / ₈	14 ⁷ / ₈	11 ⁷ / ₁₆	9 ⁵ / ₈	3 ¹⁵ / ₁₆	2 ³ / ₄	7 ¹ / ₈	8 ¹ / ₁₆	2	2 ³ / ₈	14 ¹⁵ / ₁₆	12 ³ / ₈	6 ¹⁵ / ₁₆	11	1 ⁵ / ₁₆	1 ¹ / ₁₆	30 ³ / ₈	12 ⁵ / ₈	34 ³ / ₁₆	2 ⁷ / ₁₆	9 ¹⁹ / ₁₆	5 ⁵ / ₈	260	T100B	99
100(150)AFC47.5	4	38 ³ / ₄	23 ³ / ₈	8 ³ / ₄	14 ⁷ / ₈	11 ⁷ / ₁₆	9 ⁵ / ₈	3 ¹⁵ / ₁₆	2 ³ / ₄	7 ¹ / ₈	8 ¹ / ₁₆	2	2 ³ / ₈	16 ⁷ / ₈	12 ³ / ₈	6 ¹⁵ / ₁₆	11	1 ⁵ / ₁₆	1 ¹ / ₁₆	30 ³ / ₈	12 ⁵ / ₈	34 ³ / ₁₆	2 ⁷ / ₁₆	9 ¹⁹ / ₁₆	5 ⁵ / ₈	260	T150(100)B	110

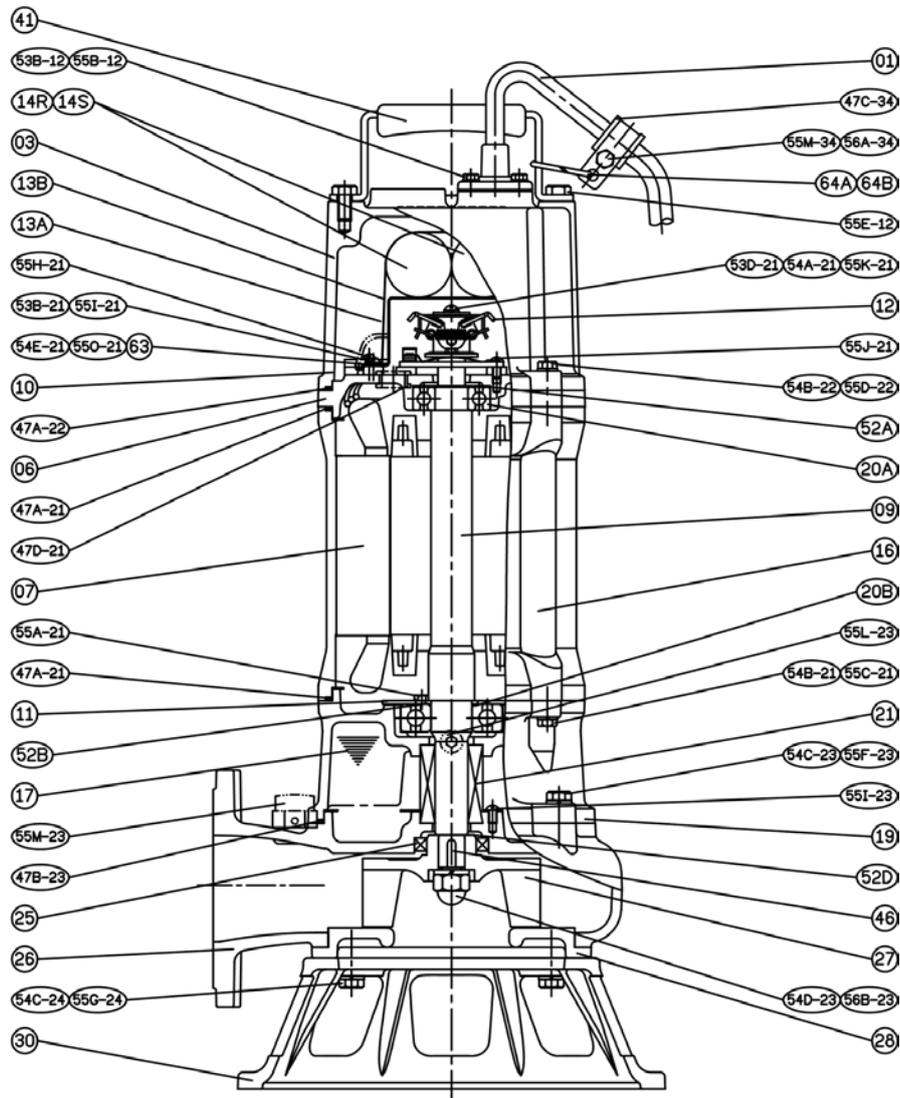
C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level

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	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
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	FC200+W	1
28	Casing Cover	FC200	1
30	Footing	FCD450	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
06	Bracket		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
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	FC200+W	1
28	Casing Cover	FC200	1
30	Footing	FCD450	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



Professionalism • Innovation • Service • Commitment

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