

IC SERIES

SUBMERSIBLE DEWATERING PUMPS

POWER : 1.5~10HP (1.1~7.5kW)
MAX.HEAD : 39m (128feet)
MAX.FLOW : 2.7m³/min (162m³/h)



PRODUCT NOMENCLATURE

Example :

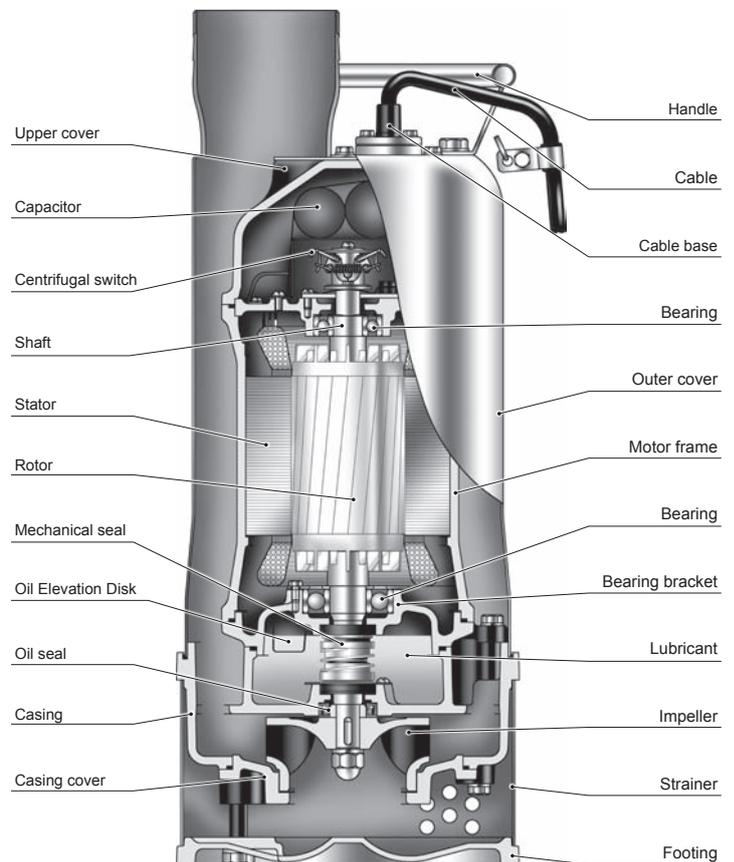
IC	-	4	3	B
Type		Discharge inch	HP	Version

FEATURE

- High efficient water-cooled motor ensures energy saving in continuous/intermittent operation.
- Dry motor, Auto-cut motor protector, double mechanical seals and oil seal design.
- Internal casing treated with high solids epoxy coating to improve anti-corrosion and extend product life.
- High Efficient chrome steel impeller design for IC-32B~610, with hardness of HRC 25~30, with more anti-corrosion properties to extend product life time.
- Suction hydraulic design allows for submerge/surface/inline dewatering or circulation applications.
- Pump strainer can be easily replaced with check valve for dewatering up to 8m (26ft) deep.

APPLICATIONS

- Aquiculture water supply and drainage.
- Water supply for agricultural irrigation systems and underground water pumping.
- Landscape, water feature and horticulture irrigation.
- Extraction of water from rivers, lakes and reservoirs.



IC SERIES SUBMERSIBLE DEWATERING PUMPS

IC-215 · IC-32B · IC-33B · IC-43B · IC-45B

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Aquaculture-Agriculture irrigation Circulating water-Dewatering
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	Close
Material	Outer Cover	SUS304
	Upper Cover	FC200
	Motor Frame	SUS304(1.5HP) · FC200(2~5HP)
	Shaft	SUS403(IC-45B:SUS304)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	Chrome Steel(IC-215:BC)
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	-	



IC-215



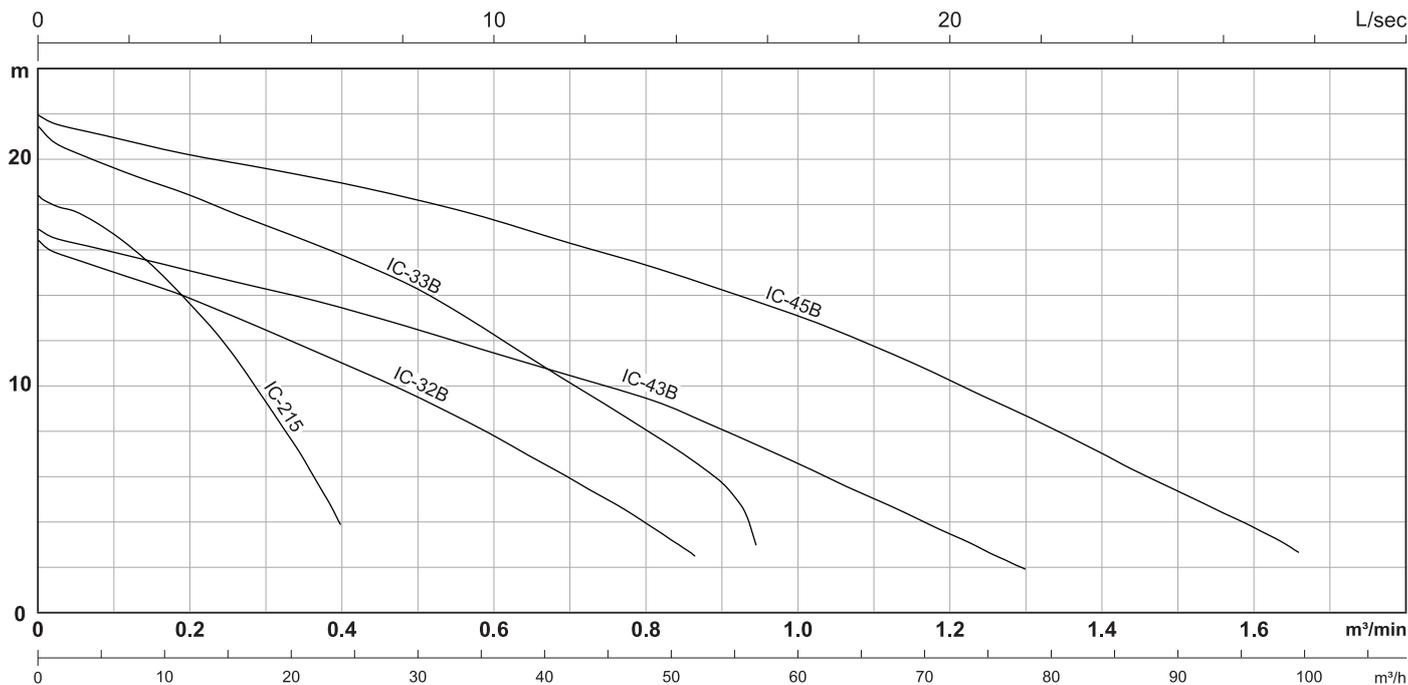
IC-32B · IC-33B
IC-43B · IC-45B



Close Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	Fullload Ampere						
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
IC-215	1.5(1.1)	2"(50)	13.5-0.2	13.5-12	18.5-0.45	18.5-27	3.5(1/8")	28(62)	24(53)	Fullload Ampere	220V	230V	230V	380V	400V	415V	525V
IC-32B	2(1.5)	3"(80)	9.5-0.5	9.5-30	16.5-0.9	16.5-54	10(3/8")	40(88)	36(79)		8.4	8.2	5.1	2.9	2.8	2.8	2.2
IC-33B	3(2.2)	3"(80)	14-0.5	14-30	21.5-1.0	21.5-60	10(3/8")	45(99)	39(86)		10.2	10.0	6.2	3.6	3.4	3.4	2.7
IC-43B	3(2.2)	3.5"(90)	9.5-0.8	9.5-48	17-1.3	17-78	10(3/8")	45(99)	39(86)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
		4"(100)									15.0	14.6	8.8	5.0	4.8	4.8	3.8
IC-45B	5(3.7)	3.5"(90)	13-1.0	13-60	22-1.7	22-102	10(3/8")	-	44(97)	-	-	14.2	8.2	7.8	7.8	6.2	
		4"(100)								-	-	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																	
				0.2 12	0.4 24	0.6 36	0.8 48	1.0 60	1.2 72	1.4 84	1.6 96	2	4	6	8	12	16	20	24		
IC-215	1.5(1.1)	2"(50)	H:m	13.7	3.9	-	-	-	-	-	-	-	-	16.2	12.3	6.2	-	-	-	-	
				13.9	11.0	7.7	3.9	-	-	-	-	-	-	-	-	14.9	13.3	11.6	9.7	5.5	-
IC-32B	2(1.5)	3"(80)	H:m	18.5	15.8	12.4	8.0	-	-	-	-	-	-	19.6	18.0	16.4	14.6	9.8	-	-	
				15.2	13.4	11.7	9.6	6.7	3.6	-	-	-	-	-	-	15.8	14.8	13.8	12.8	10.4	7.2
IC-43B	3(2.2)	3.5"(90)	H:m	20.5	18.9	17.2	15.3	13.0	10.2	6.8	3.4	-	-	21.1	20.2	19.2	18.3	16.1	13.5	10.2	6.1
		4"(100)		20.5	18.9	17.2	15.3	13.0	10.2	6.8	3.4	-	-	-	21.1	20.2	19.2	18.3	16.1	13.5	10.2

IC SERIES SUBMERSIBLE DEWATERING PUMPS

IC-48 · IC-68 · IC-410 · IC-610

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Aquaculture-Agriculture irrigation Circulating water-Dewatering
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	Close
Material	Outer Cover	SUS304
	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS304
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	Chrome Steel
	Cable	VCT or H07RN-F or SOW
Optional		-



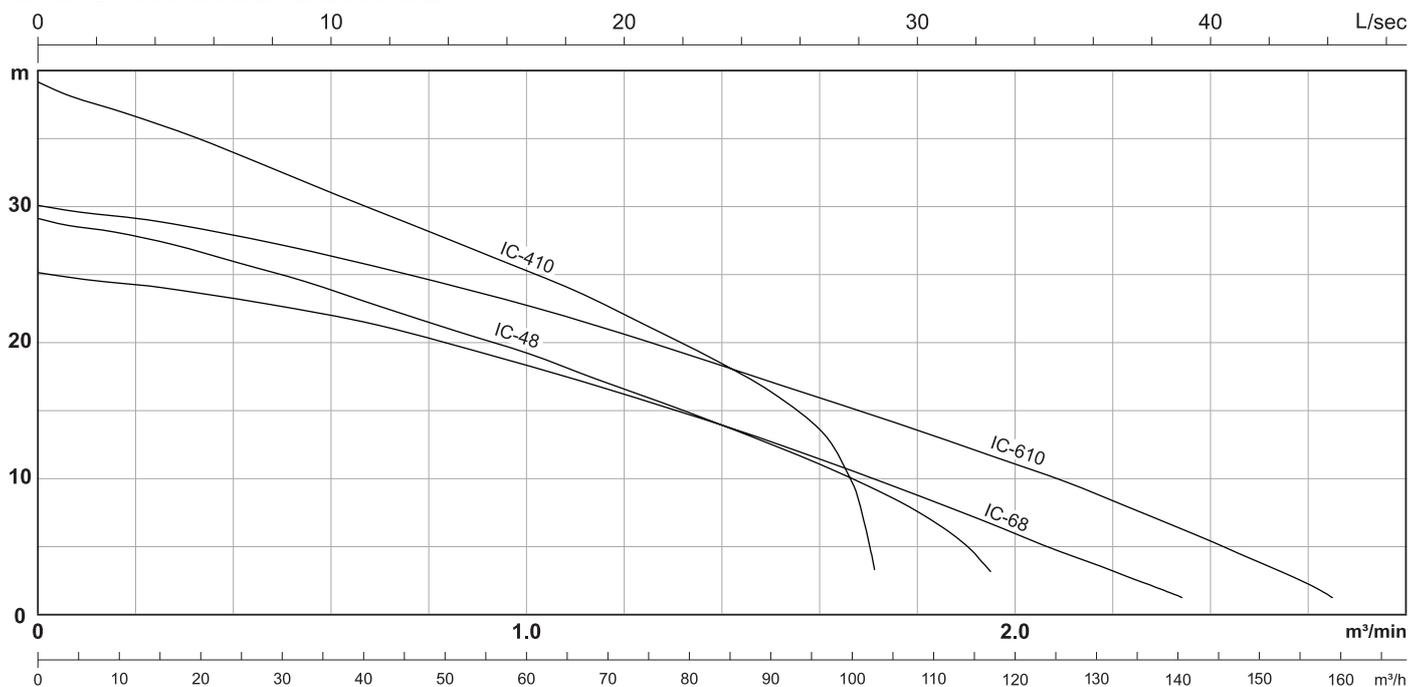
Close Impeller



IC-48 · IC-68
IC-410 · IC-610

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	Full load Ampere						
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
IC-48	7.5(5.5)	4"(100)	19-1.0	19-60	29-2.0	29-120	10(3/8")	-	75(165)	220V	-	-	21.2	12.0	11.8	11.8	9.3
IC-68	7.5(5.5)	6"(150)	12-1.5	12-90	25-2.4	25-144	10(3/8")	-	78(172)	230V	-	-	21.2	12.0	11.8	11.8	9.3
IC-410	10(7.5)	4"(100)	25-1.0	25-60	39-1.8	39-108	10(3/8")	-	80(176)	230V	-	-	28.6	16.0	15.8	15.8	12.6
IC-610	10(7.5)	6"(150)	17-1.5	17-90	30-2.7	30-162	10(3/8")	-	81(179)	380V	-	-	28.6	16.0	15.8	15.8	12.6

PERFORMANCE CURVES



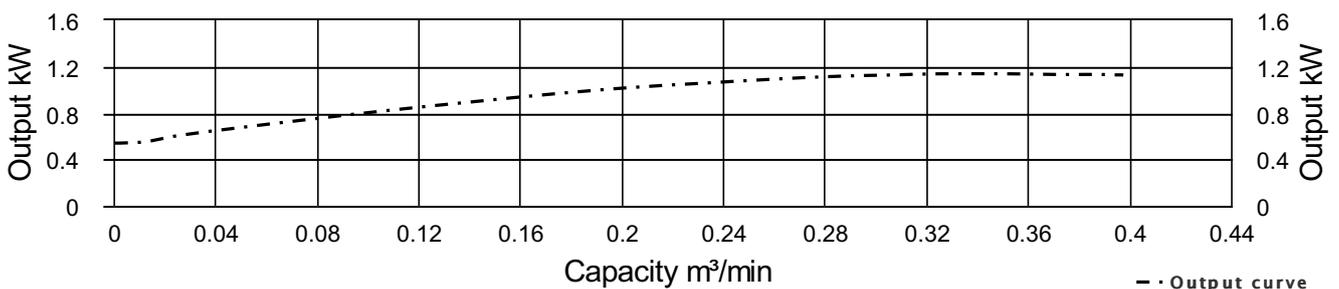
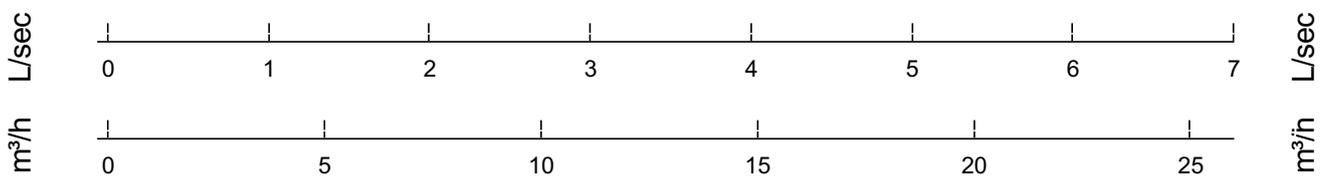
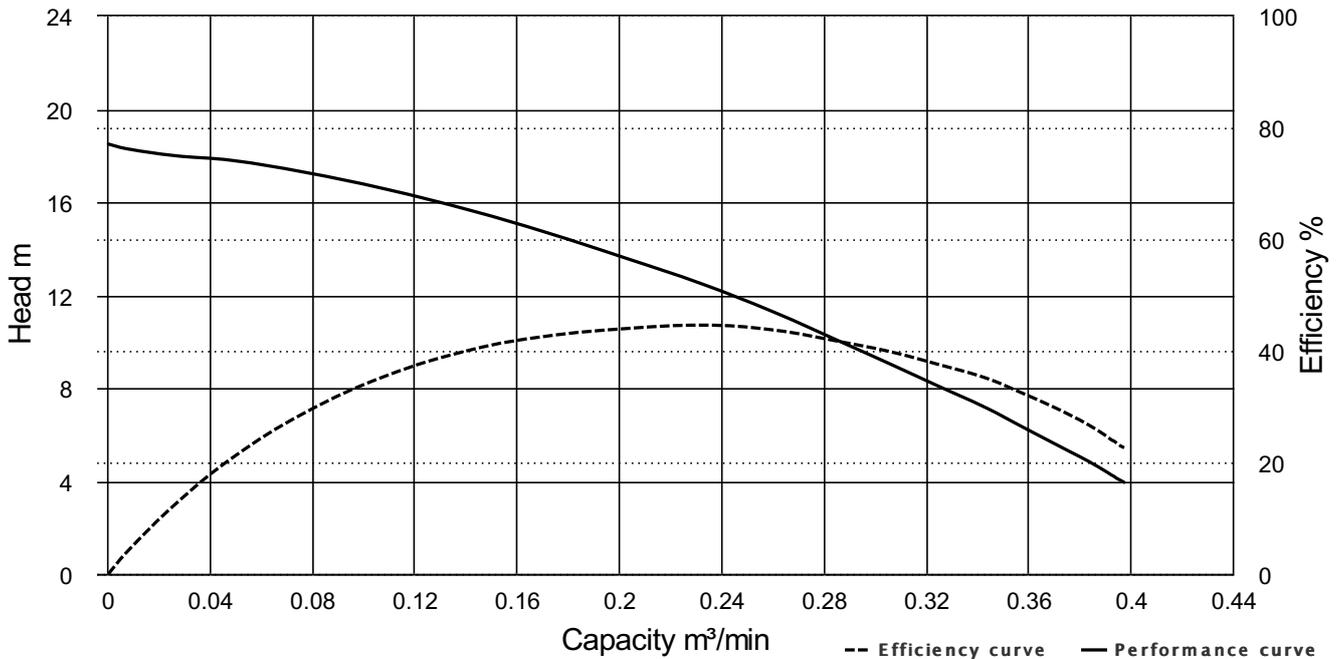
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min									Q:L/sec							
			0.2	0.4	0.6	1.0	1.4	1.8	2.2	2.6	5	10	15	20	25	30	35	40	
IC-48	7.5(5.5)	4"(100)	27.6	25.8	23.8	19.2	14.0	7.6	-	-	H:m	26.8	23.8	20.4	16.6	12.7	7.6	-	-
IC-68	7.5(5.5)	6"(150)	24.2	23.0	21.8	18.0	13.8	8.7	3.0	-		23.6	21.8	19.1	15.8	12.7	8.7	4.4	-
IC-410	10(7.5)	4"(100)	36.6	34.0	31.0	25.0	18.4	-	-	-		35.4	31.0	26.5	22.3	16.4	-	-	-
IC-610	10(7.5)	6"(150)	28.8	27.6	26.1	22.6	18.4	13.5	8.4	2.4		28.2	26.1	23.6	20.6	17.2	13.5	9.8	5.6



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PUMP PERFORMANCE CURVES

Model	IC-215				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	2" / 50 mm						
Power	1.5 HP / 1.1 kW						
Std. Head	13.5 m						
Std. Capacity	0.2 m ³ /min						
Volt	110 V	220 V	230 V	240 V			
Rated Current	16.8 A	8.4 A	8.2 A	8 A			
Pole / rpm	2 P / 2840 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



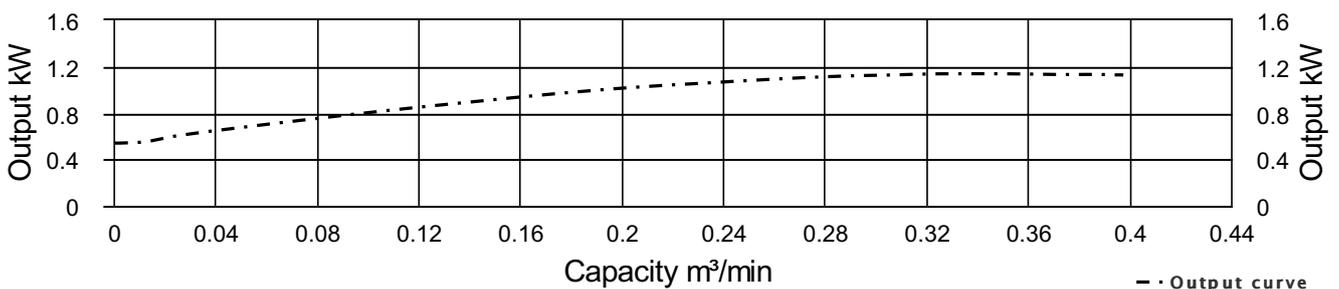
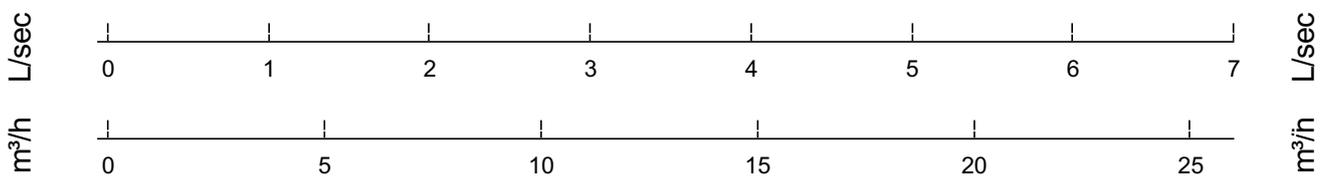
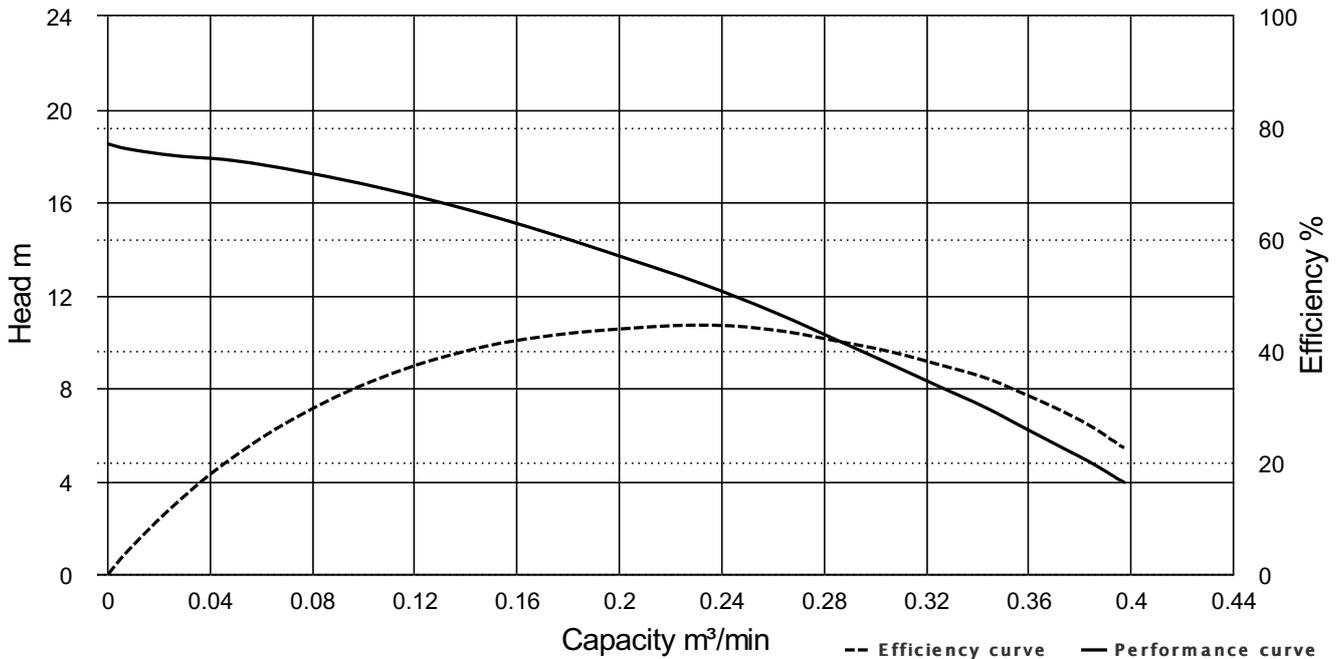
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PUMP PERFORMANCE CURVES

Model	IC-215					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	1.5 HP / 1.1 kW						
Std. Head	13.5 m						
Std. Capacity	0.2 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	5.1 A	2.9 A	2.8 A	2.8 A	2.2 A		
Pole / rpm	2 P / 2840 rpm						
Start Method	DOL						
Insulation Class	F						



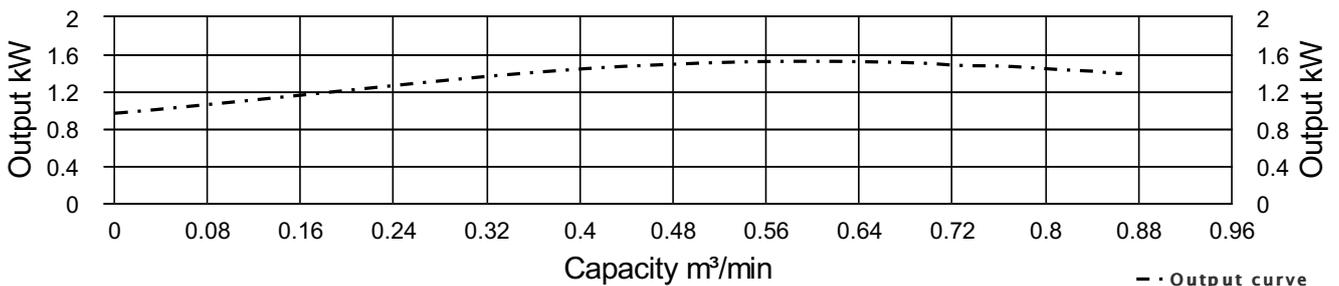
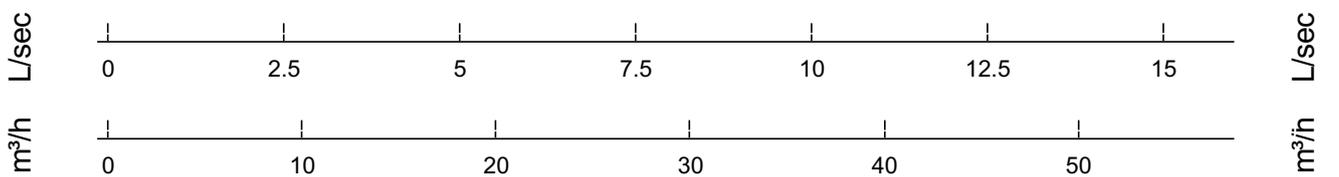
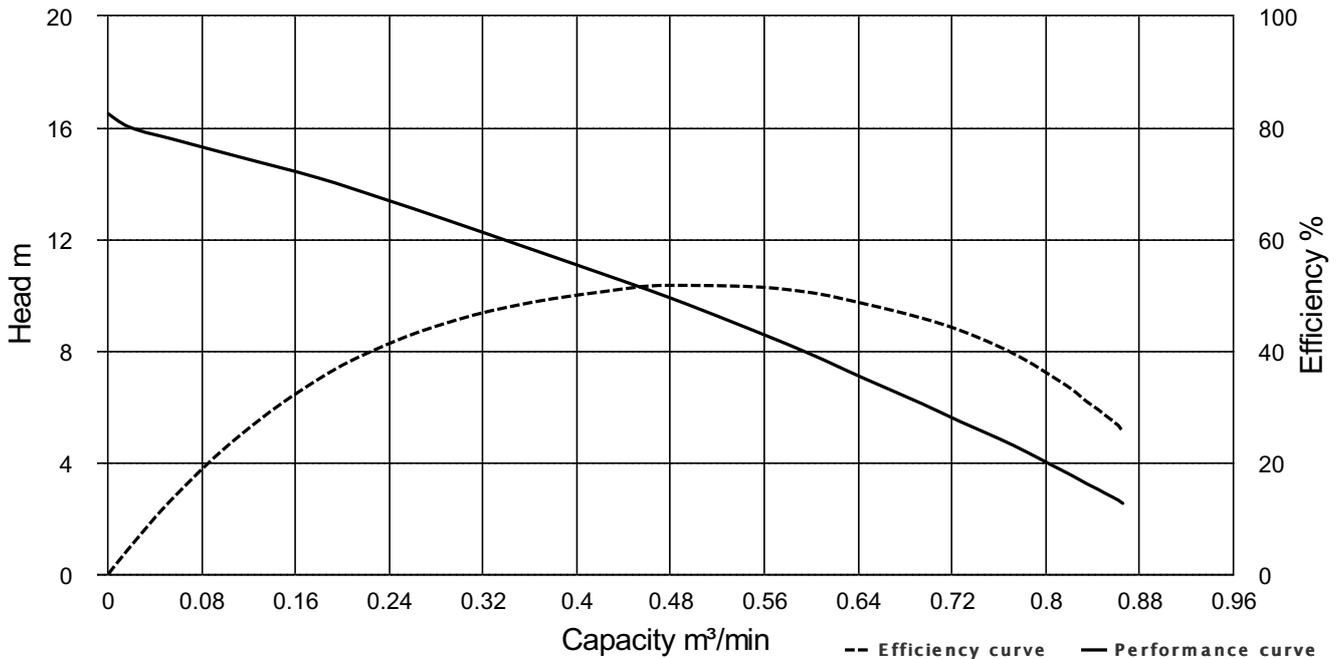
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PUMP PERFORMANCE CURVES

Model	IC-32B				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	3" / 80 mm						
Power	2 HP / 1.5 kW						
Std. Head	9.5 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 / 2800 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



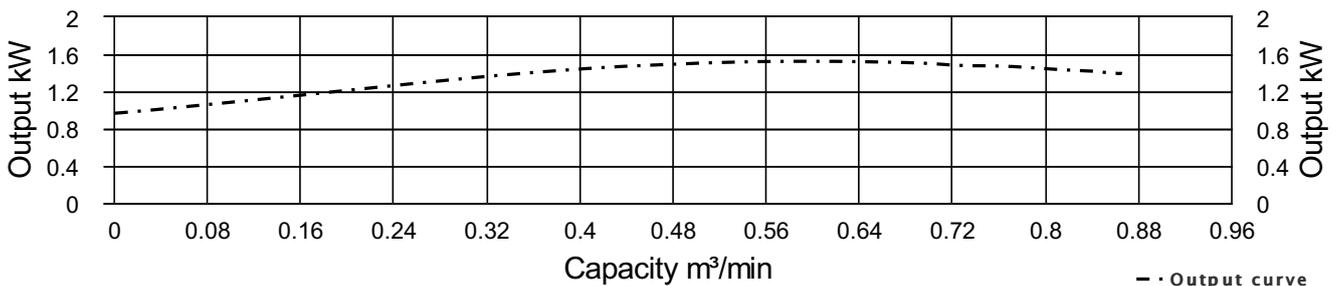
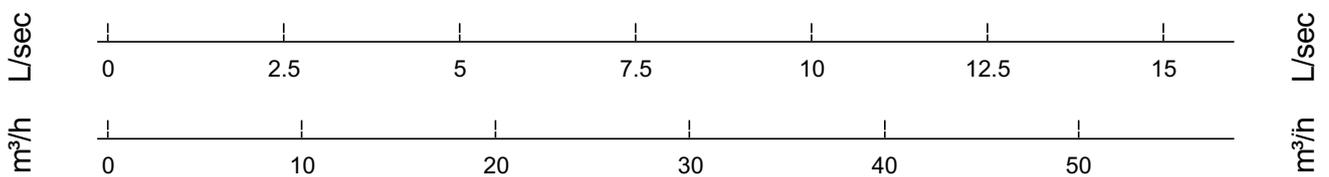
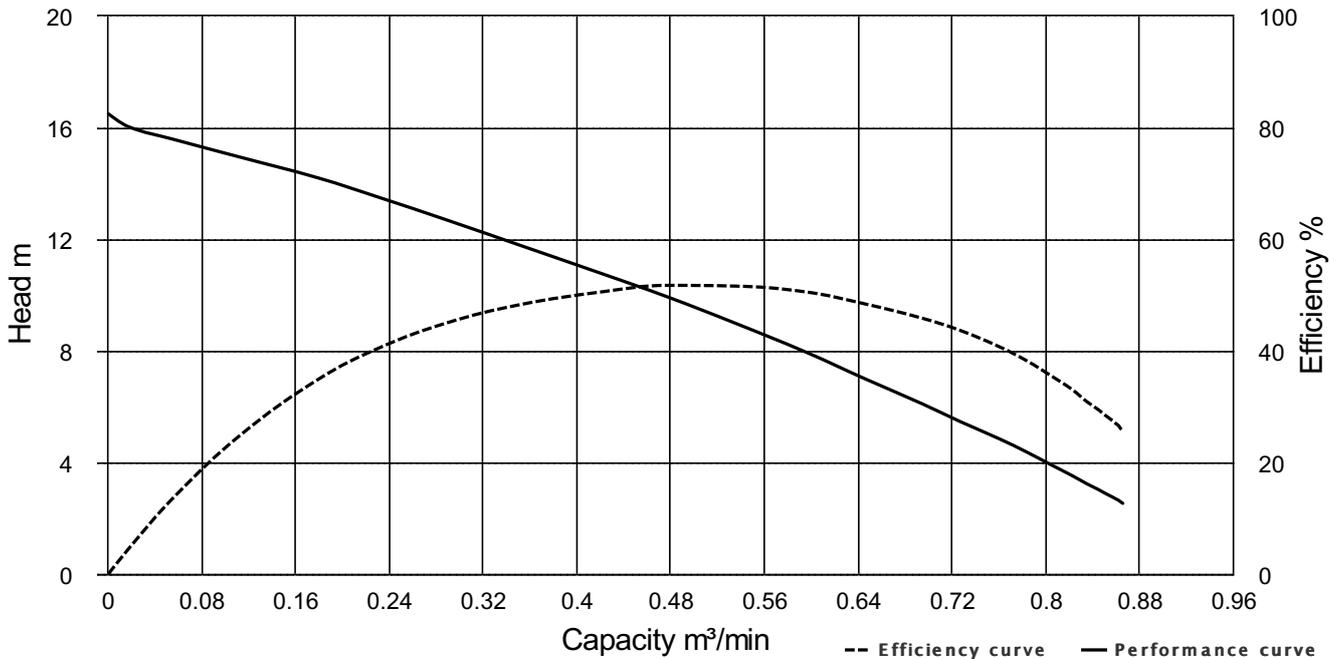
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PUMP PERFORMANCE CURVES

Model	IC-32B					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	2 HP / 1.5 kW						
Std. Head	9.5 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 / 2800 rpm						
Start Method	DOL						
Insulation Class	F						



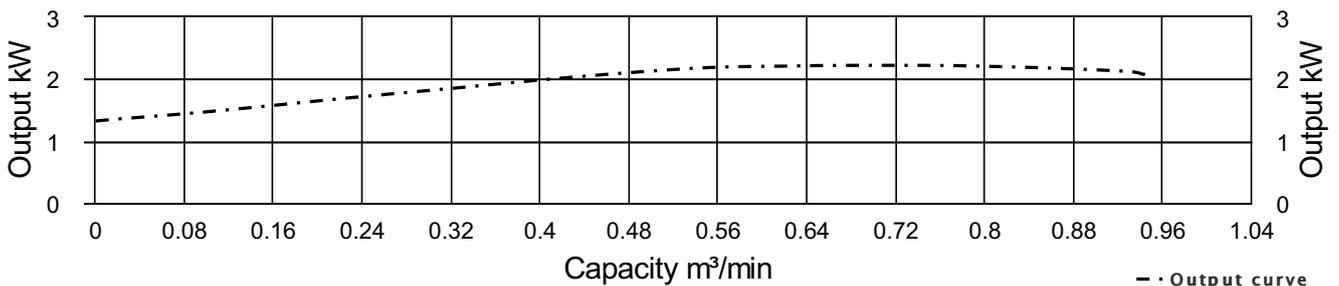
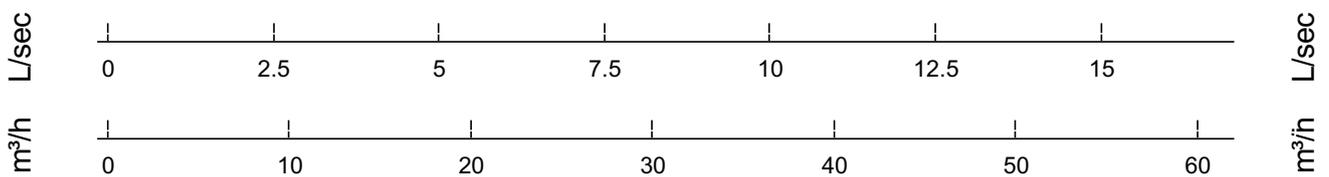
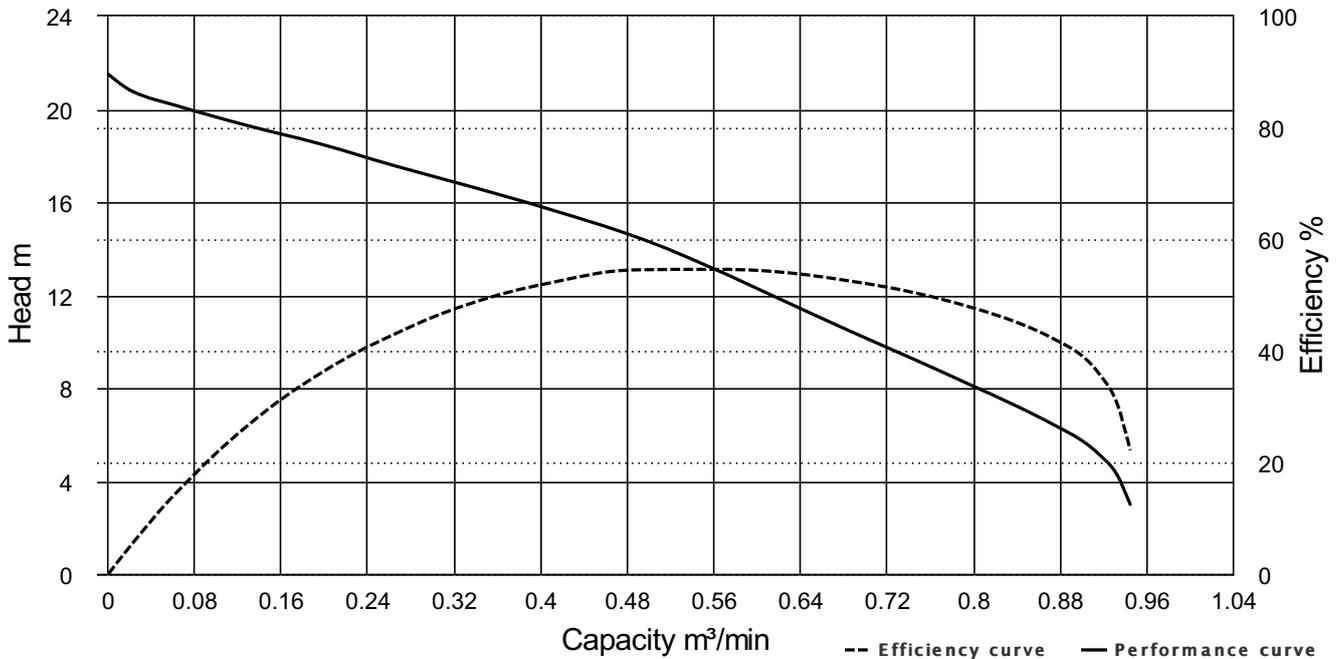
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PUMP PERFORMANCE CURVES

Model	IC-33B				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	3" / 80 mm						
Power	3 HP / 2.2 kW						
Std. Head	14 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 / 2820 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



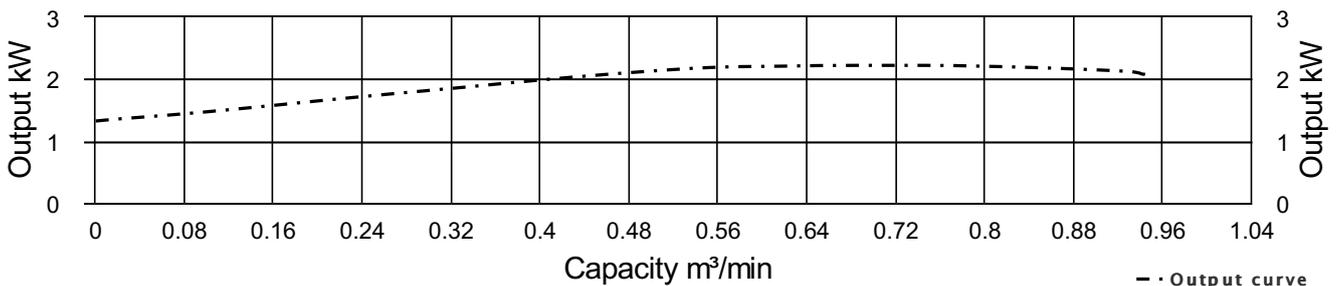
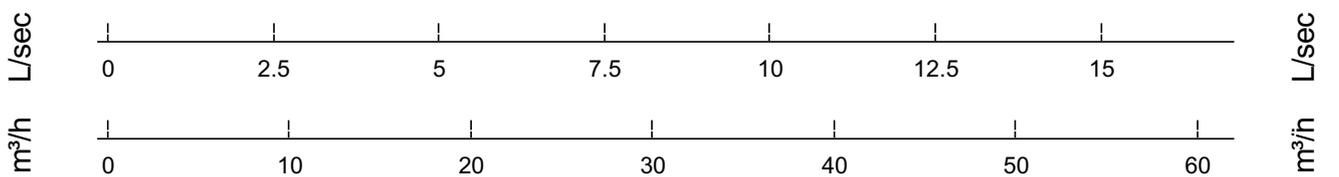
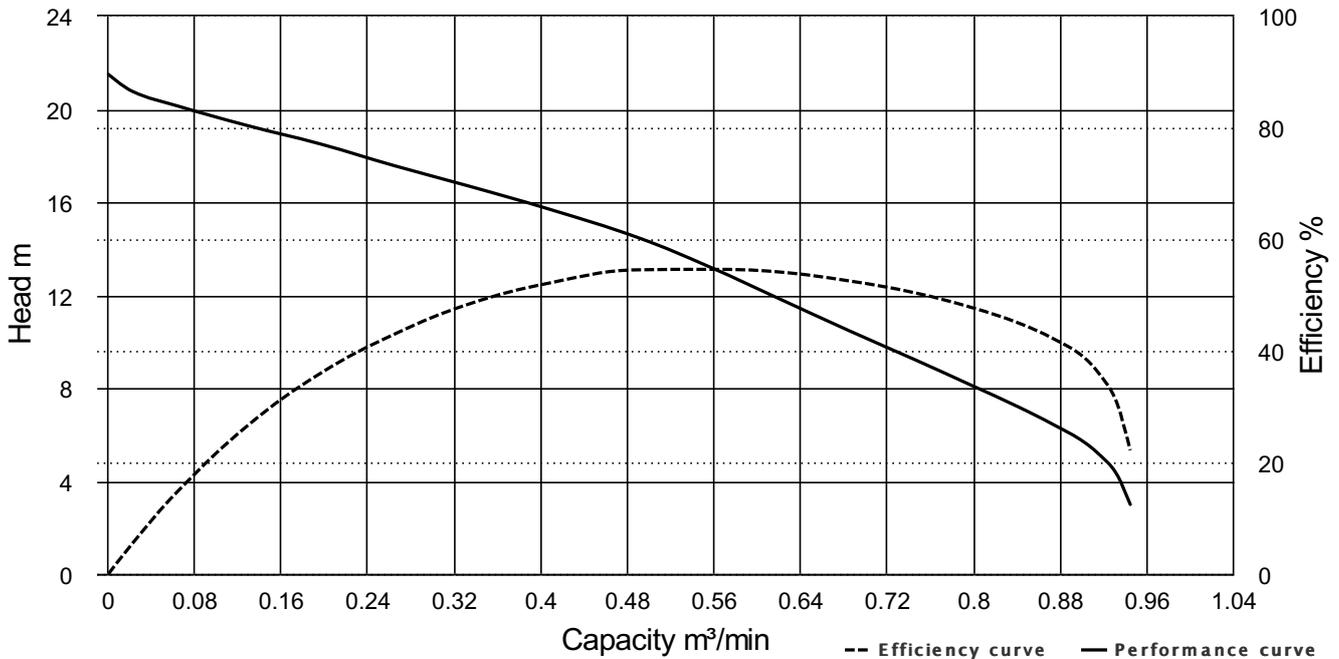
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PUMP PERFORMANCE CURVES

Model	IC-33B					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3" / 80 mm						
Power	3 HP / 2.2 kW						
Std. Head	14 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 / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



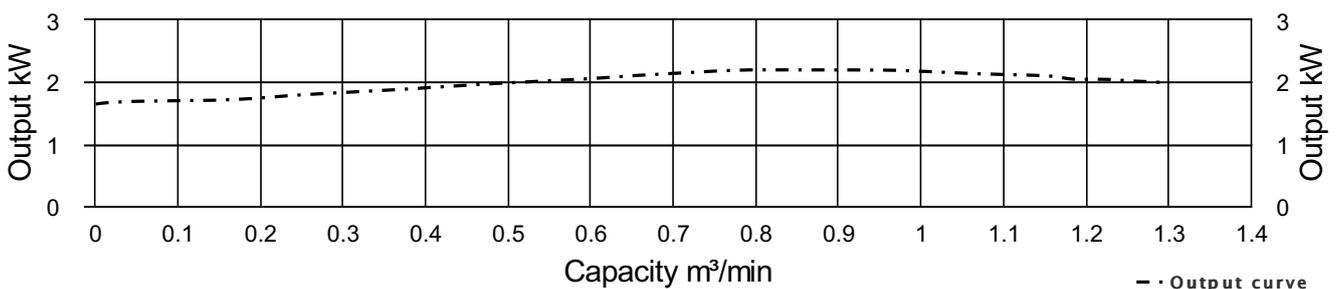
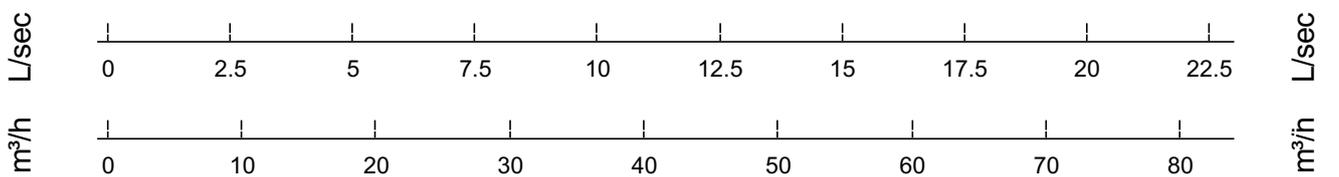
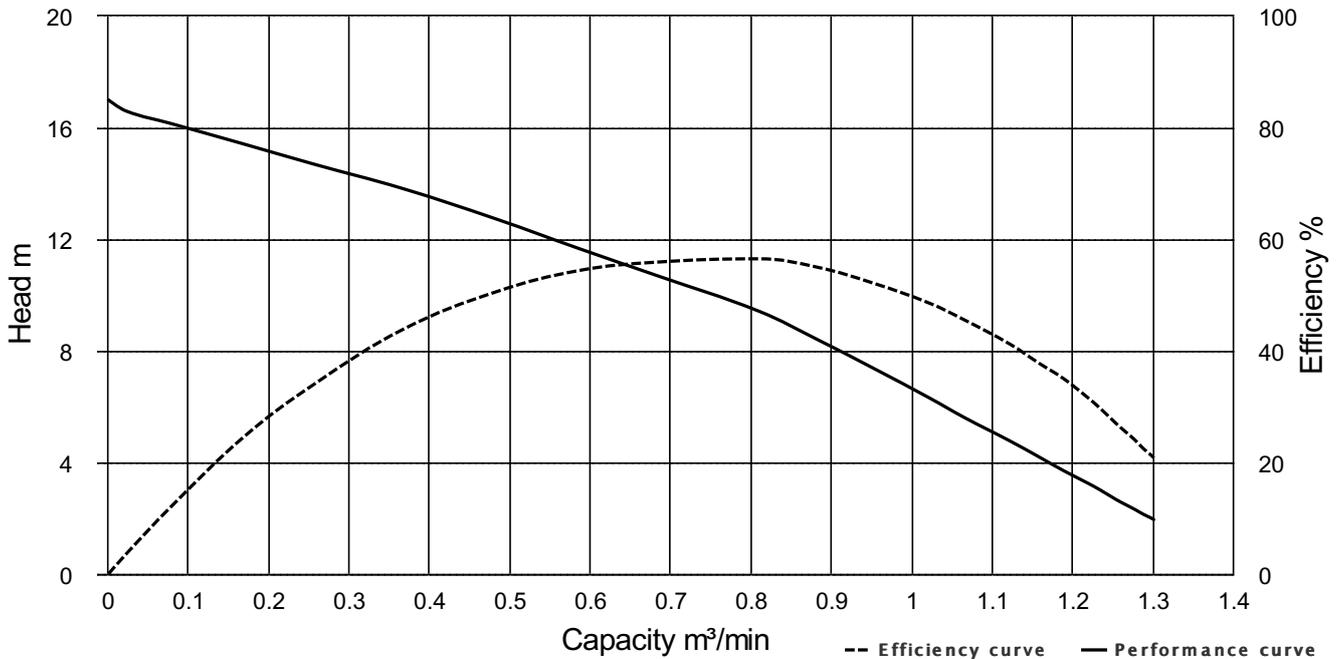
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PUMP PERFORMANCE CURVES

Model	IC-43B			Ver NO.	BA0407
Frequency / Phase	50 Hz / 1 Ø			REFERENCE SPECIFICATION	
Discharge	3.5" / 90 mm				
Power	3 HP / 2.2 kW				
Std. Head	9.5 m				
Std. Capacity	0.8 m ³ /min				
Volt	220 V	230 V	240 V		
Rated Current	15 A	14.6 A	14.4 A		
Pole / rpm	2 P / 2820 rpm				
Start Method	CAPACITOR				
Insulation Class	F				



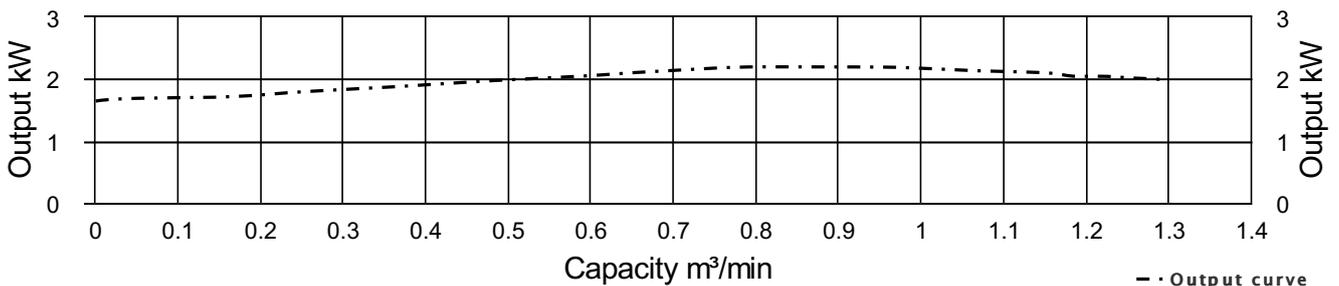
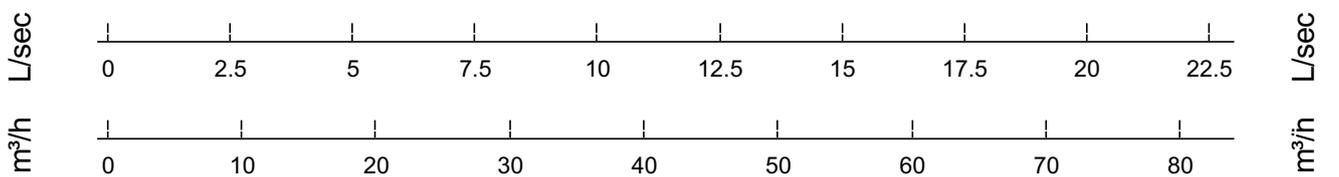
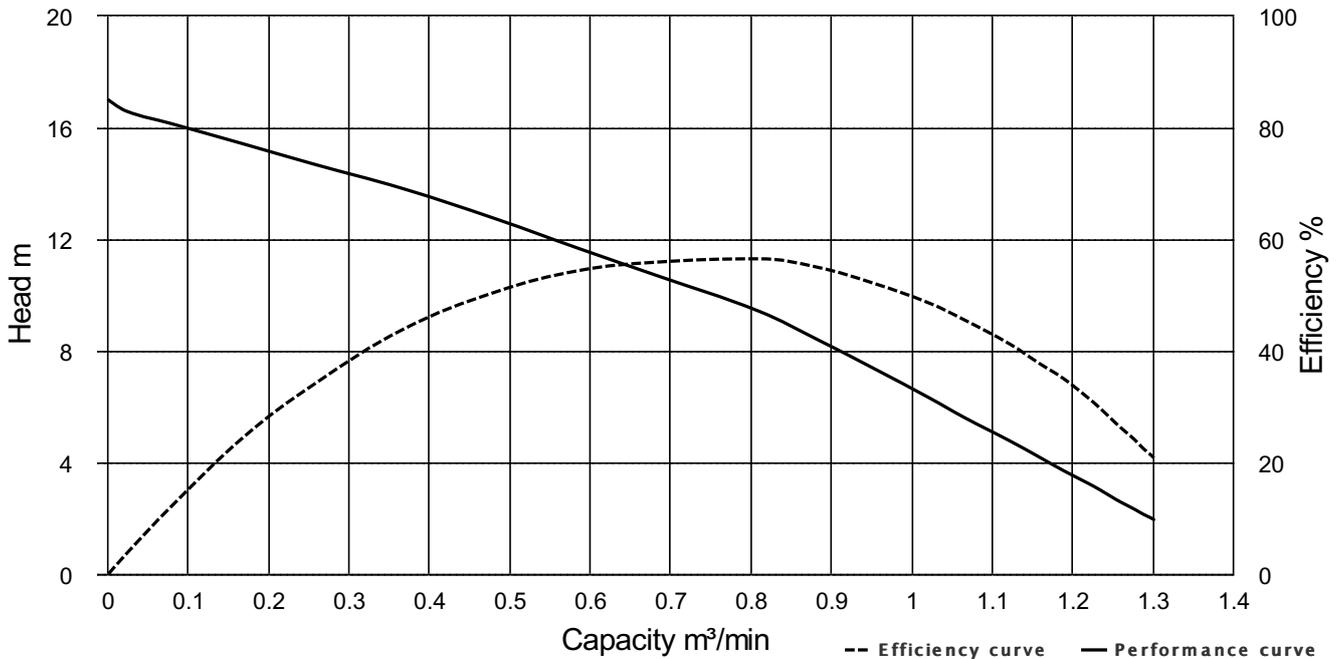
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PUMP PERFORMANCE CURVES

Model	IC-43B				Ver NO.	BA0407	
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION		
Discharge	4" / 100 mm						
Power	3 HP / 2.2 kW						
Std. Head	9.5 m						
Std. Capacity	0.8 m ³ /min						
Volt	220 V	230 V	240 V				
Rated Current	15 A	14.6 A	14.4 A				
Pole / rpm	2 P / 2820 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



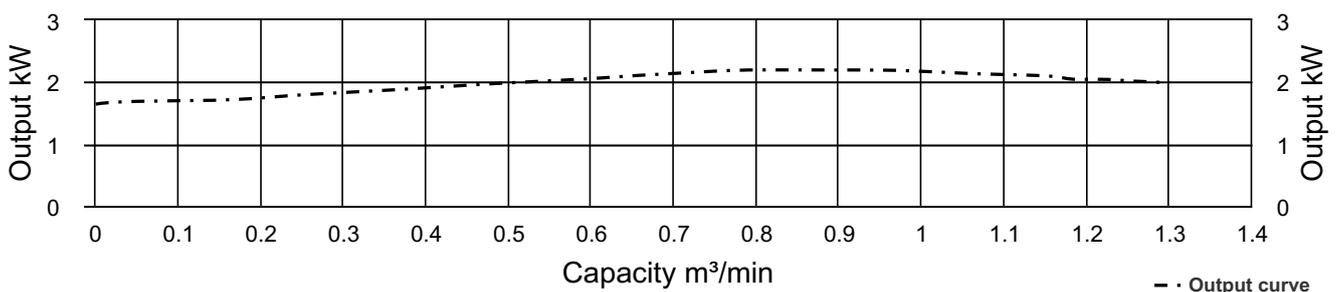
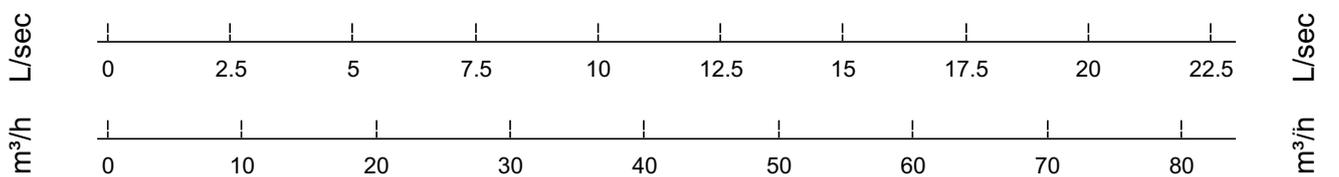
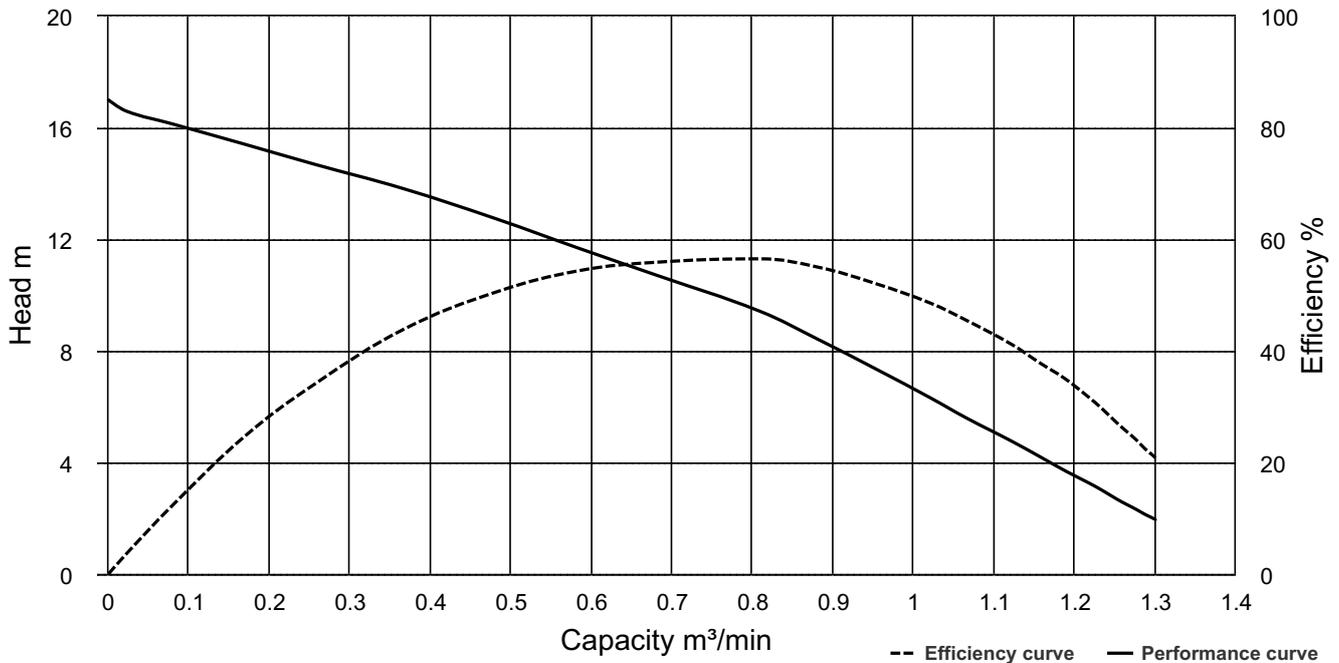
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PUMP PERFORMANCE CURVES

Model	IC-43B					Ver NO.	BA0408
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3.5" / 90 mm						
Power	3 HP / 2.2 kW						
Std. Head	9.5 m						
Std. Capacity	0.8 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 / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



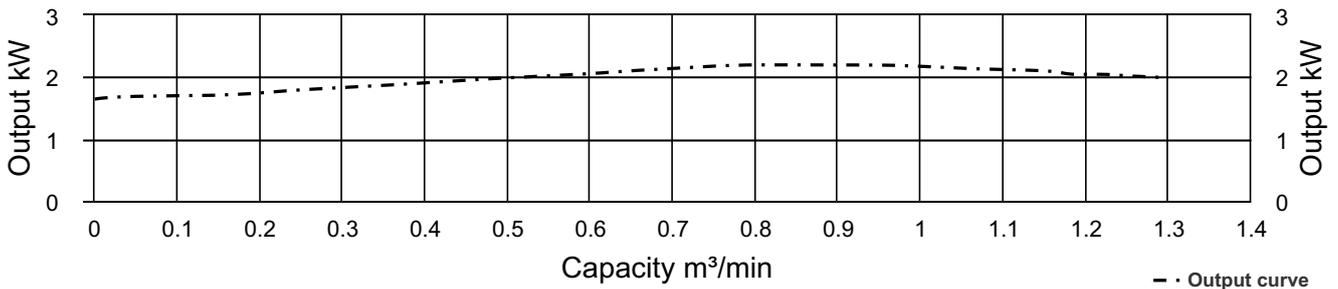
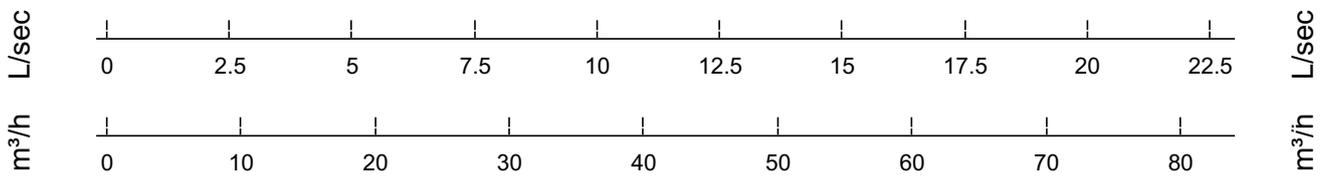
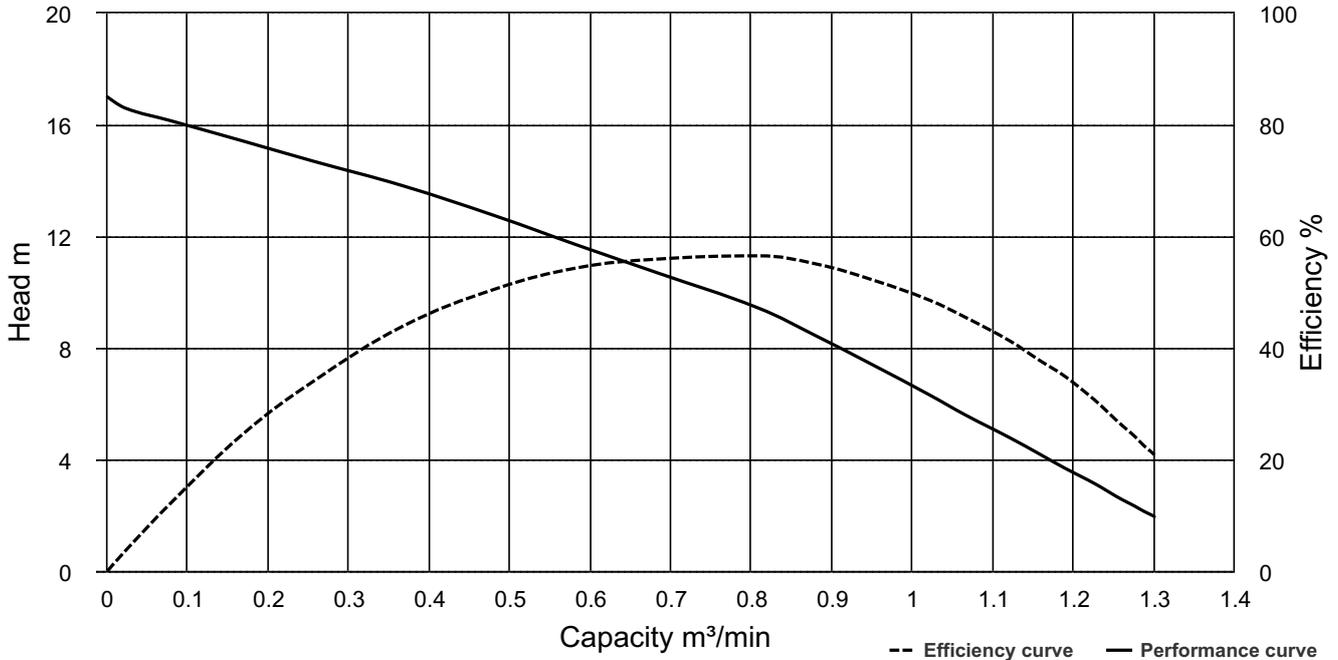
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HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-43B					Ver NO.	BA0408
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	3 HP / 2.2 kW						
Std. Head	9.5 m						
Std. Capacity	0.8 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 / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



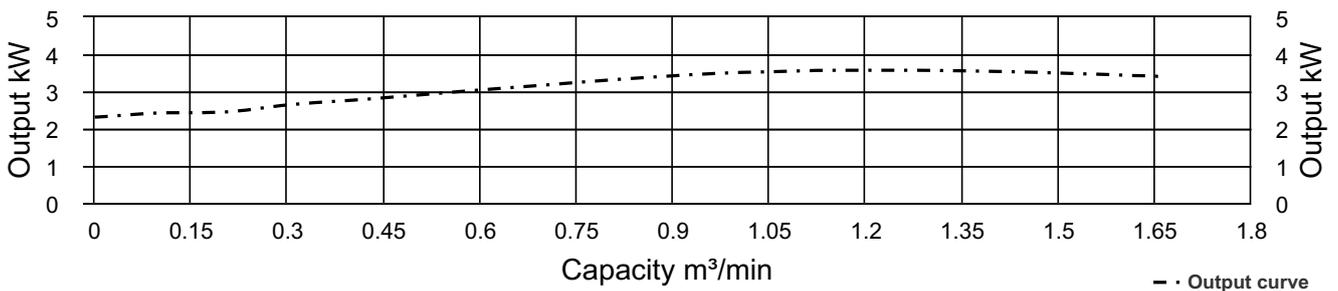
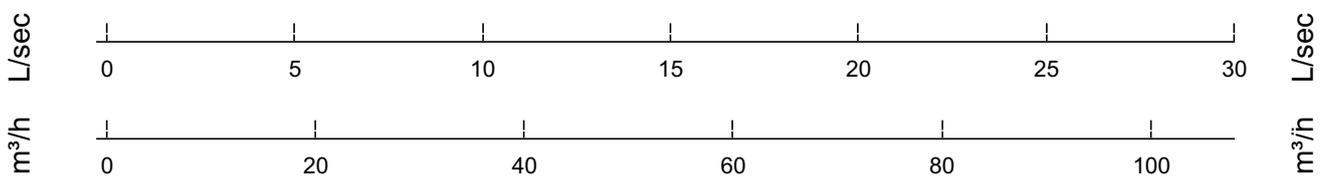
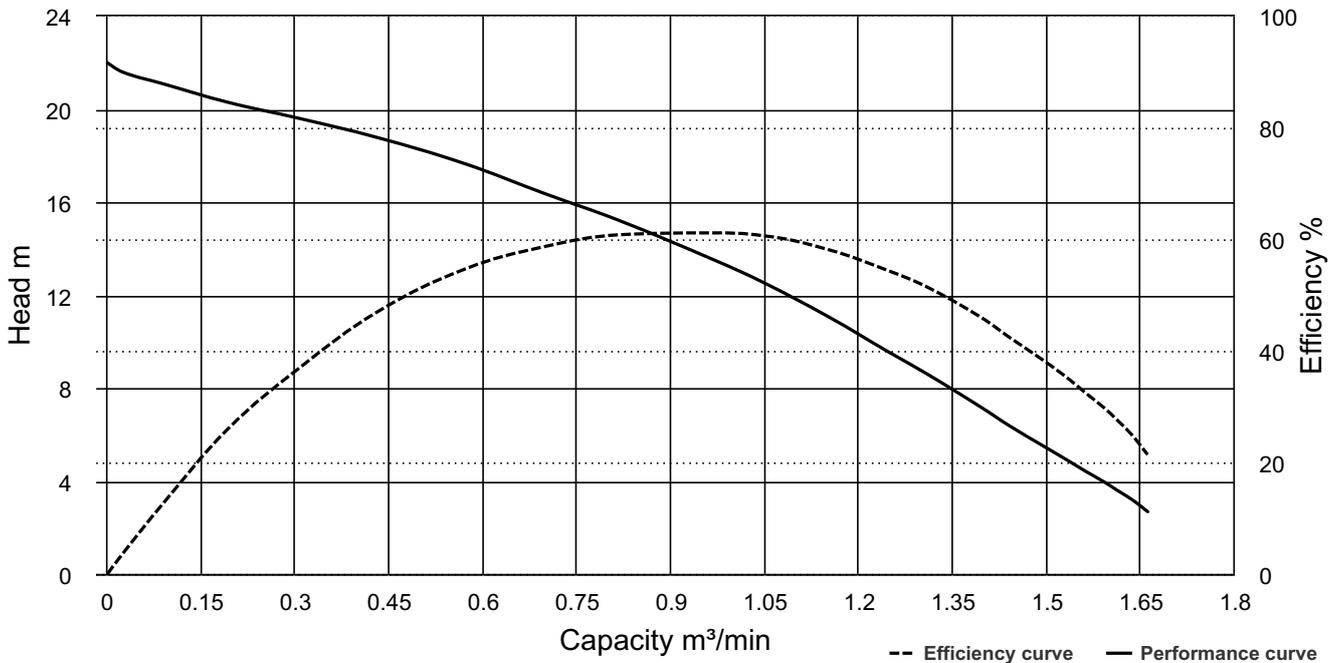
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-45B					Ver NO.	BA0408
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	3.5" / 90 mm						
Power	5 HP / 3.7 kW						
Std. Head	12.5 m						
Std. Capacity	1 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 / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



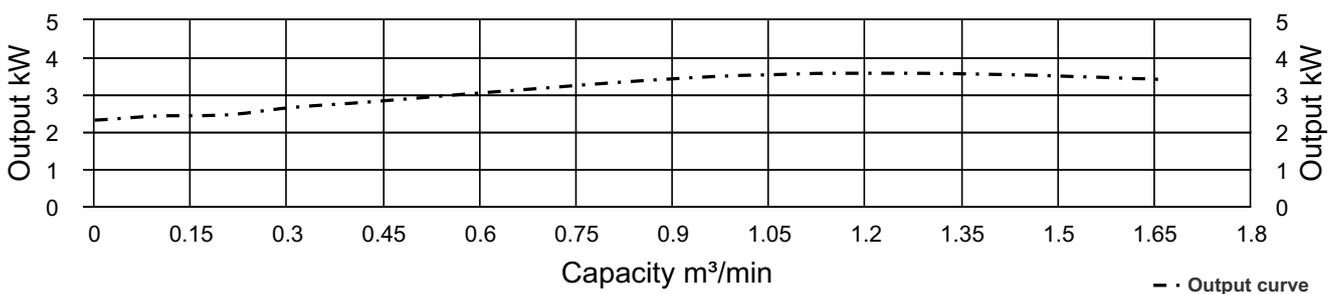
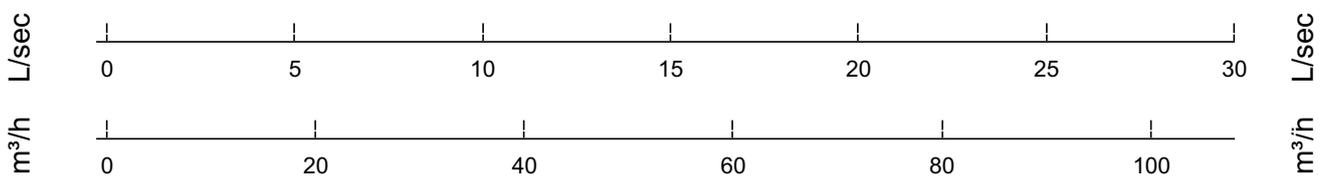
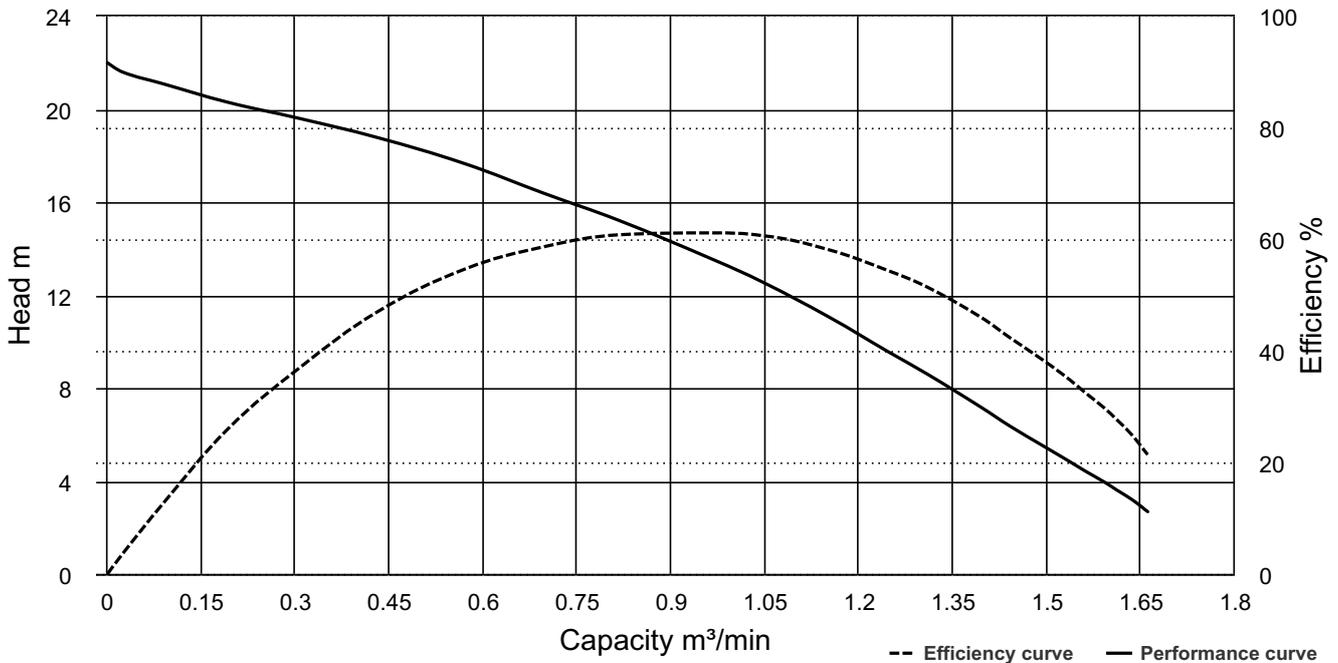
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-45B					Ver NO.	BA0408
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	5 HP / 3.7 kW						
Std. Head	12.5 m						
Std. Capacity	1 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 / 2820 rpm						
Start Method	DOL						
Insulation Class	F						



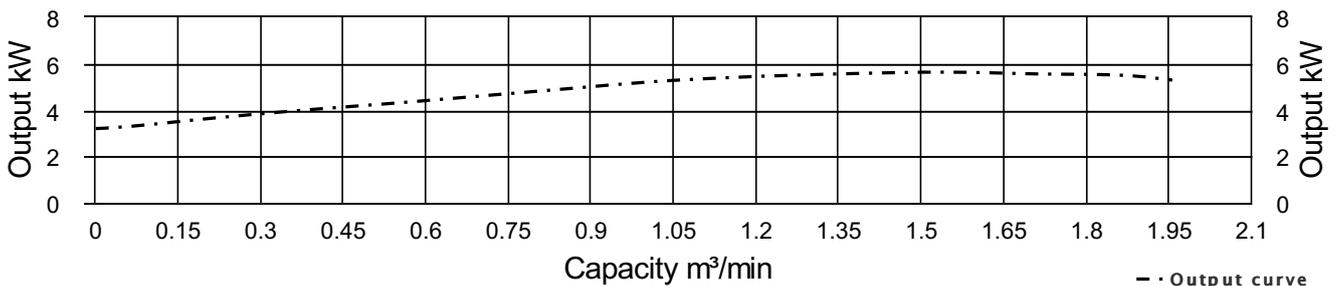
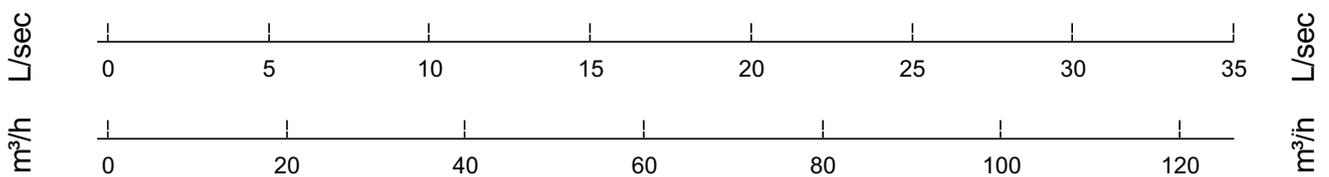
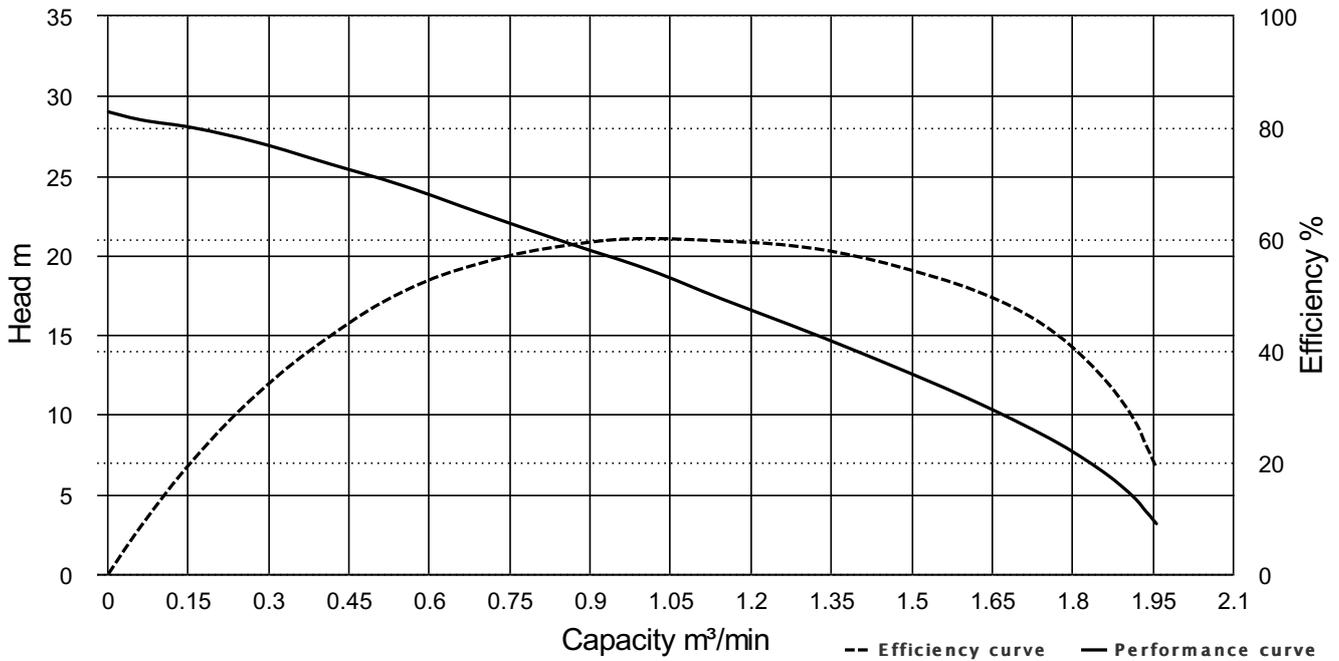
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-48					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 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	21.2 A	12 A	11.8 A	11.8 A	9.3 A		
Pole / rpm	2 P / 2850 rpm						
Start Method	DOL						
Insulation Class	H						



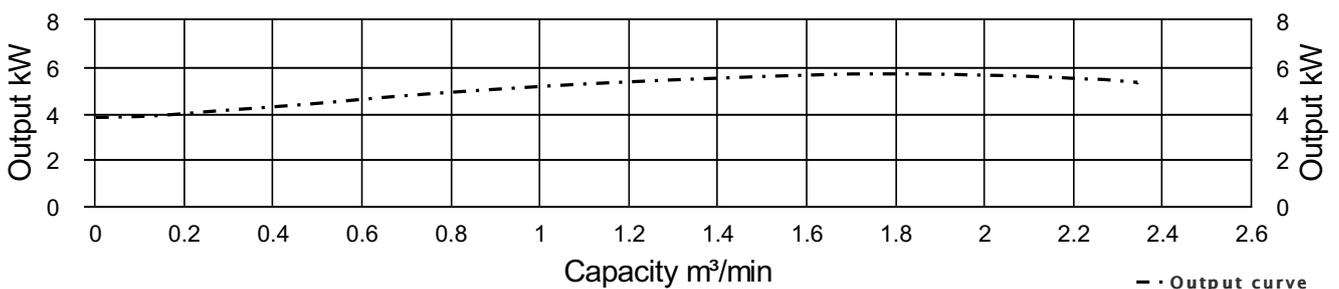
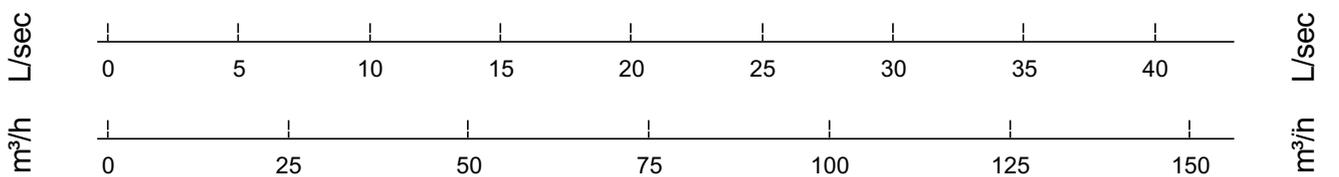
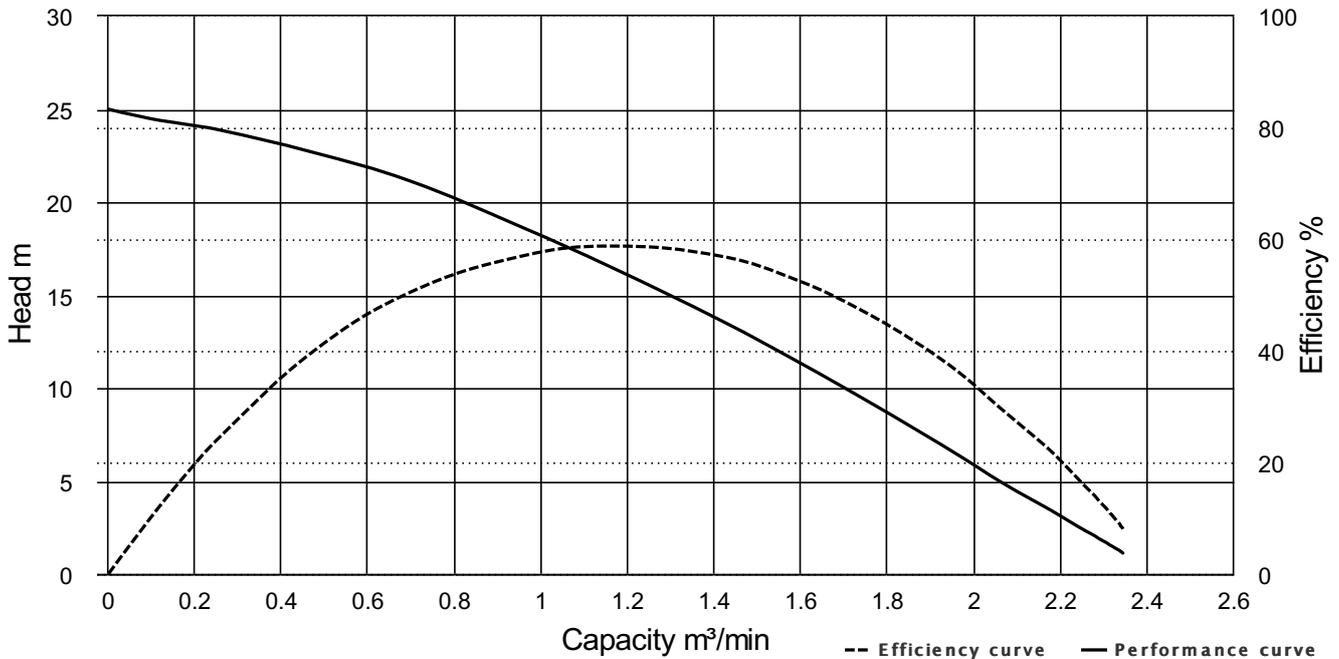
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-68					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	6" / 150 mm						
Power	7.5 HP / 5.5 kW						
Std. Head	12 m						
Std. Capacity	1.5 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	21.2 A	12 A	11.8 A	11.8 A	9.3 A		
Pole / rpm	2 P / 2850 rpm						
Start Method	DOL						
Insulation Class	H						



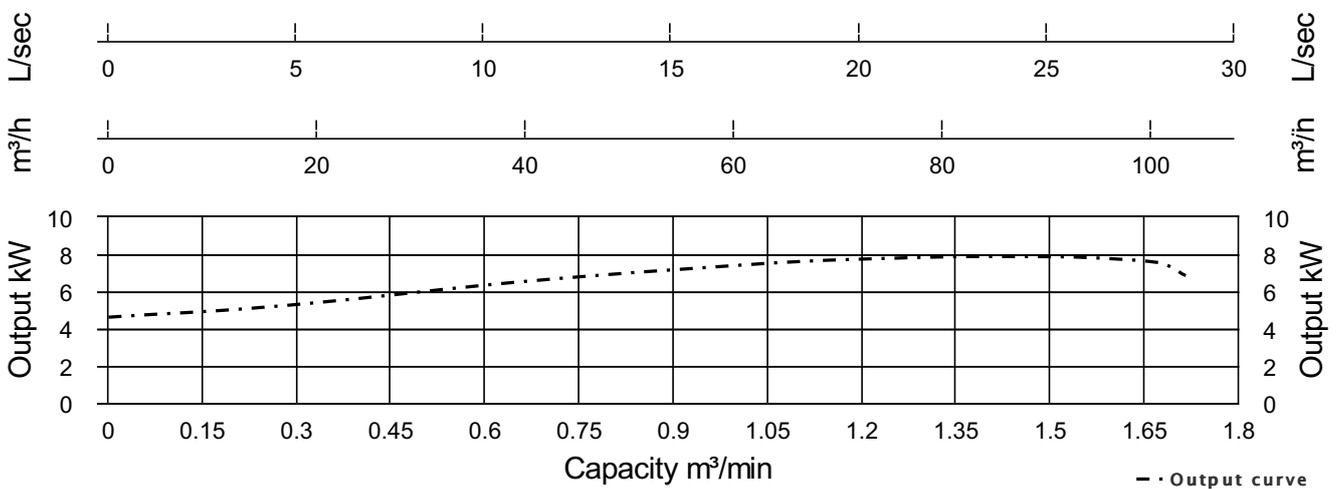
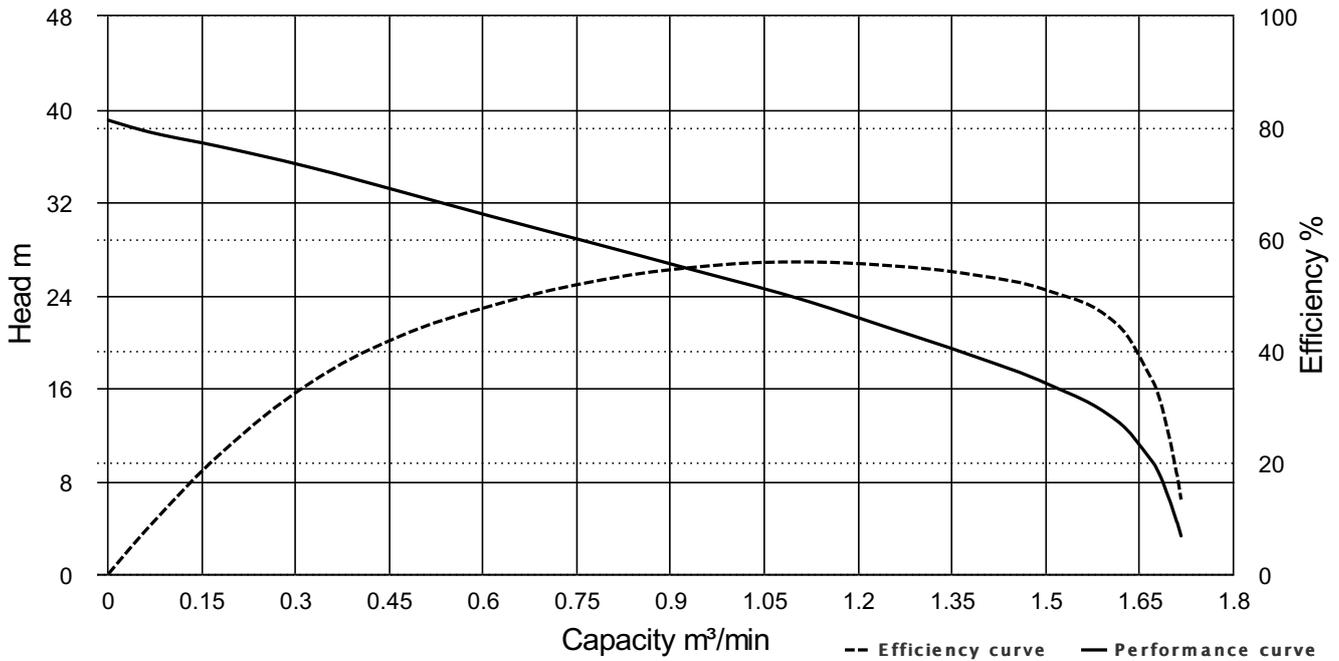
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-410					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	4" / 100 mm						
Power	10 HP / 7.5 kW						
Std. Head	25 m						
Std. Capacity	1 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	28.6 A	16 A	15.8 A	15.8 A	12.6 A		
Pole / rpm	2 P / 2850 rpm						
Start Method	DOL						
Insulation Class	H						



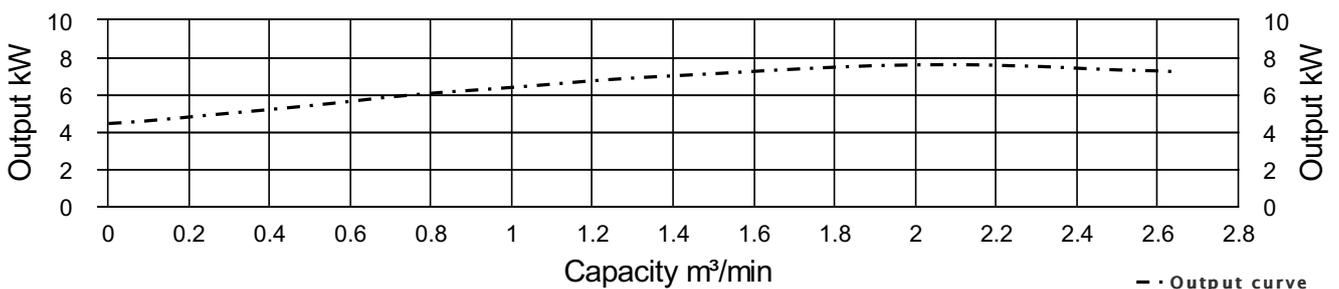
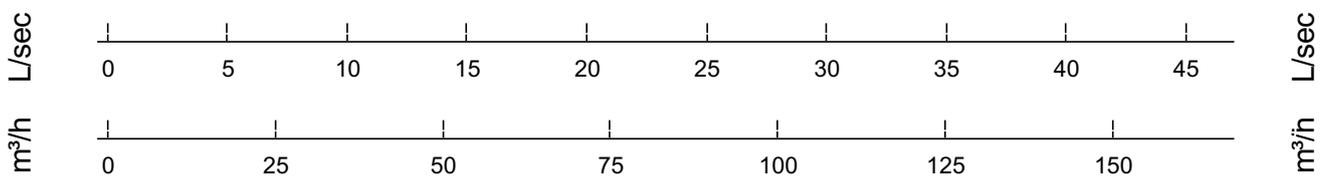
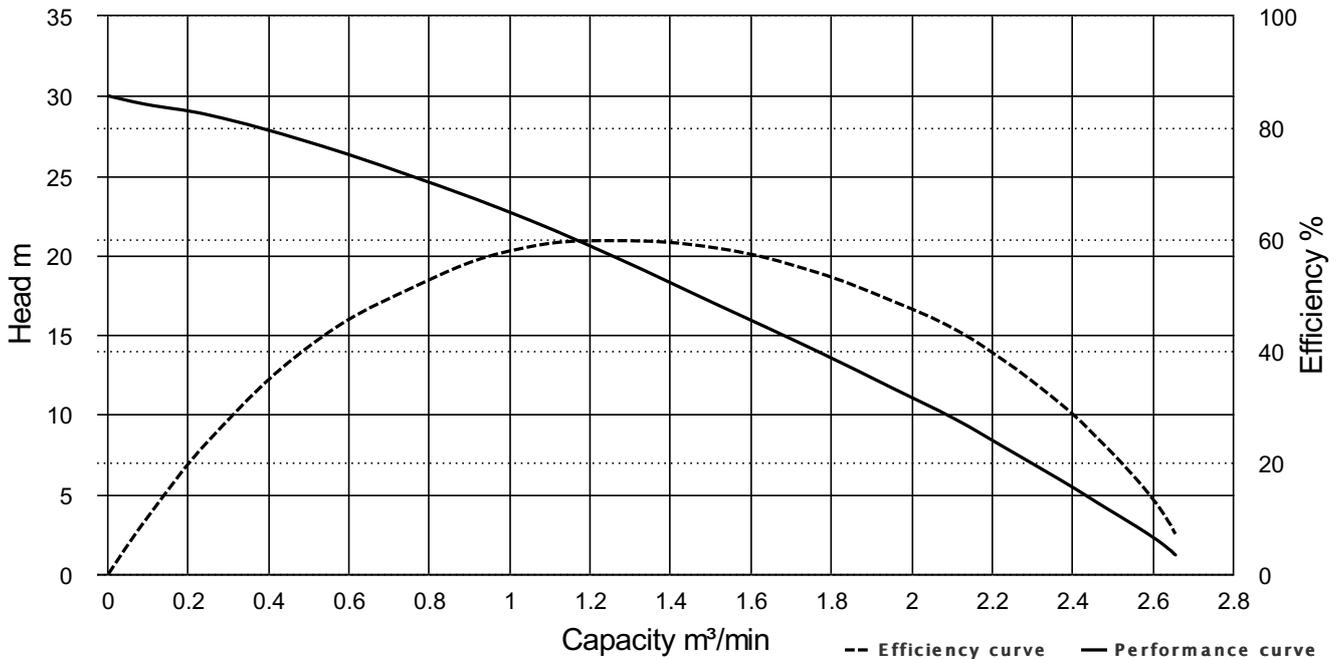
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	IC-610					Ver NO.	BA0407
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	6" / 150 mm						
Power	10 HP / 7.5 kW						
Std. Head	17 m						
Std. Capacity	1.5 m ³ /min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	28.6 A	16 A	15.8 A	15.8 A	12.6 A		
Pole / rpm	2 P / 2850 rpm						
Start Method	DOL						
Insulation Class	H						



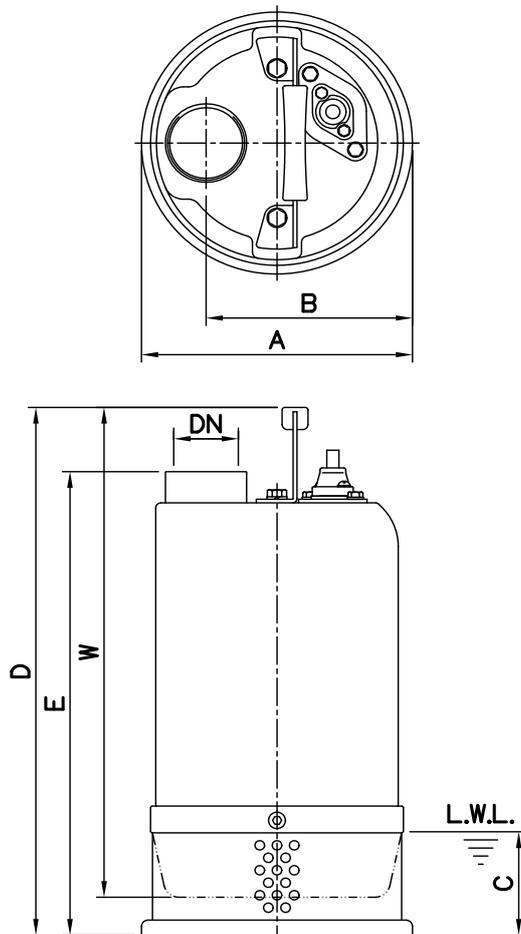
HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS

NO: S2IC0211032-00

MODEL: IC-215

1Ø / 3Ø



Pump	
Female Thread	
PF	NPT

Dimensions—mm Weight:kg

Model	DN	A	B	C	D	E	W	WT1
IC-215 1Ø	50	210	160	85	482	431	451	28
IC-215 3Ø	50	210	160	85	423	372	392	24

Dimensions—inch Weight:lb

Model	DN	A	B	C	D	E	W	WT1
IC-215 1Ø	2	8¼	6 ⁵ / ₁₆	3 ³ / ₈	19	16 ¹⁵ / ₁₆	17 ¹ / ₁₆	62
IC-215 3Ø	2	8¼	6 ⁵ / ₁₆	3 ³ / ₈	16 ⁵ / ₈	14 ³ / ₈	15 ¹ / ₁₆	53

L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)

WT2:Elbow Set Weight

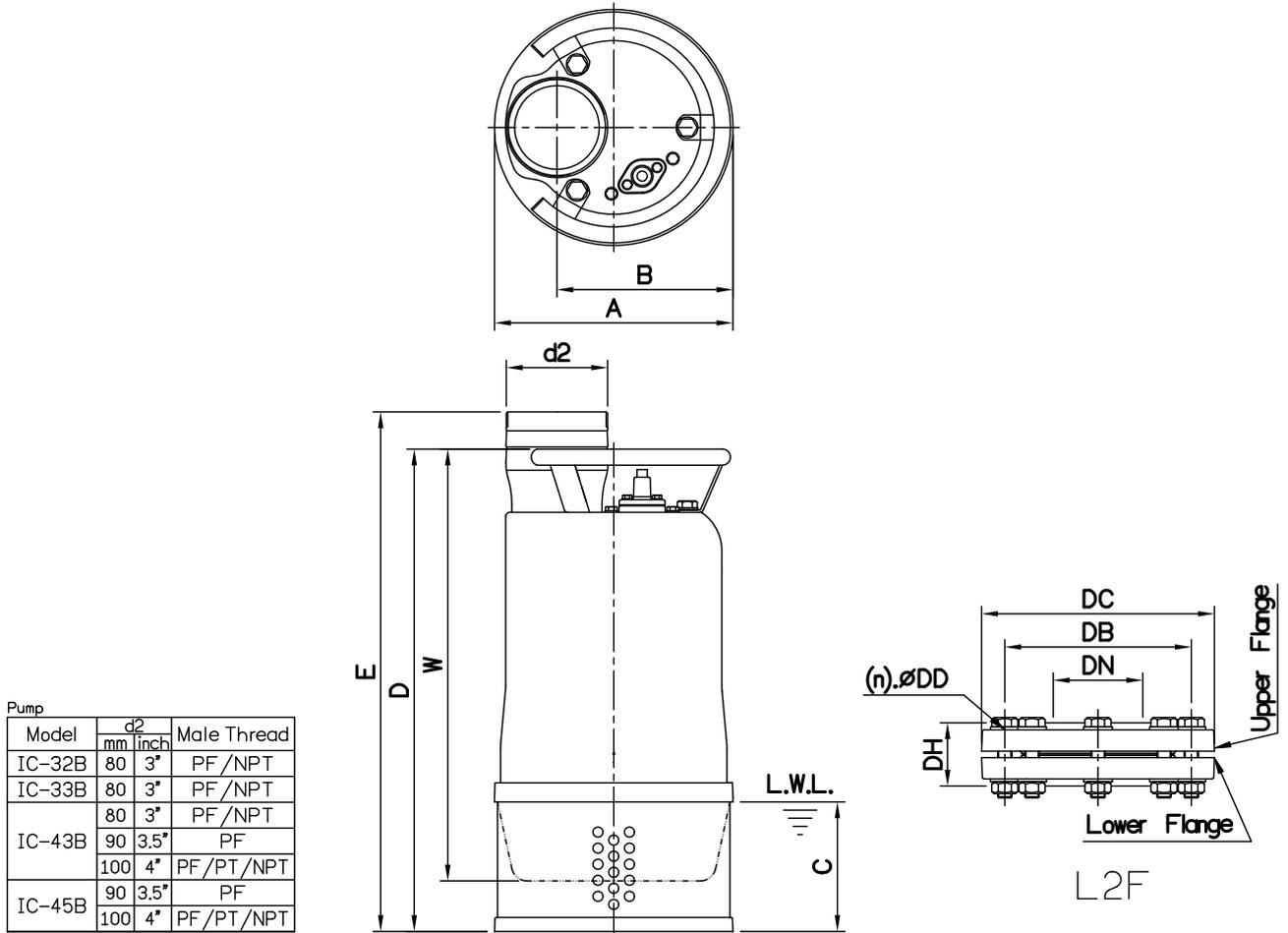
W is the dimension from handle to casing cover.

DIMENSIONS

NO: S4IC0237030-00

MODEL: IC-32B / 33B / 43B / 45B

50Hz 1Ø / 3Ø



Dimensions-mm

Weight:kg

Model	A	B	C	D	E	W	WT1	Double Flange Set		
IC-32B 1Ø	235	174	115	511	548	475	40	L2F3-145-160	-	-
IC-32B 3Ø	235	174	115	466	503	430	36	L2F3-145-160	-	-
IC-33B 1Ø	235	174	115	541	578	505	45	L2F3-145-160	-	-
IC-33B 3Ø	235	174	115	466	503	430	39	L2F3-145-160	-	-
IC-43B 1Ø	235	174	130	556	593	505	45	L2F3-145-160	L2F4(3.5)-175-180	L2F4-165-190
IC-43B 3Ø	235	174	130	481	518	430	39	L2F3-145-160	L2F4(3.5)-175-180	L2F4-165-190
IC-45B 3Ø	235	174	130	511	548	460	44	L2F4(3.5)-175-180	L2F4-165-190	-

Dimensions-mm

Weight:kg

L2F	DN	DB	DC	DD	DH	WT2	(n)QTY
L2F3-145-160	80	145~160	195	19	55	7	8
L2F3-145-160	80	145~160	195	19	55	7	8
L2F4(3.5)-175-180	100	175~180	215	15	56	8	8
L2F4(3.5)-175-180	100	175~180	215	15	56	8	8
L2F4-165-190	100	165~190	225	19	58	9	8
L2F4-165-190	100	165~190	225	19	58	9	8
-	-	-	-	-	-	-	-

Dimensions-inch

Weight:lb

Model	A	B	C	D	E	W	WT1	Double Flange Set		
IC-32B 1Ø	9 3/4	6 7/8	4 1/2	20 3/8	21 1/8	18 1/2	88	L2F3-145-160	-	-
IC-32B 3Ø	9 3/4	6 7/8	4 1/2	18 3/8	19 3/8	16 5/8	79	L2F3-145-160	-	-
IC-33B 1Ø	9 3/4	6 7/8	4 1/2	21 1/8	22 3/4	19 3/8	99	L2F3-145-160	-	-
IC-33B 3Ø	9 3/4	6 7/8	4 1/2	18 3/8	19 3/8	16 5/8	86	L2F3-145-160	-	-
IC-43B 1Ø	9 3/4	6 7/8	5 1/8	21 7/8	23 3/8	19 3/8	99	L2F3-145-160	L2F4(3.5)-175-180	L2F4-165-190
IC-43B 3Ø	9 3/4	6 7/8	5 1/8	18 3/8	20 3/8	16 5/8	86	L2F3-145-160	L2F4(3.5)-175-180	L2F4-165-190
IC-45B 3Ø	9 3/4	6 7/8	5 1/8	20 3/8	21 1/8	20 3/8	97	L2F4(3.5)-175-180	L2F4-165-190	-

Dimensions-inch

Weight:lb

L2F	DN	DB	DC	DD	DH	WT2	(n)QTY
L2F3-145-160	3	5 1/8 ~ 6 5/8	7 7/8	3/4	2 3/16	15	8
L2F3-145-160	3	5 1/8 ~ 6 5/8	7 7/8	3/4	2 3/16	15	8
L2F4(3.5)-175-180	4	6 7/8 ~ 7 1/8	8 7/8	9/16	2 3/16	18	8
L2F4(3.5)-175-180	4	6 7/8 ~ 7 1/8	8 7/8	9/16	2 3/16	18	8
L2F4-165-190	4	6 1/2 ~ 7 1/2	8 7/8	3/4	2 5/16	20	8
L2F4-165-190	4	6 1/2 ~ 7 1/2	8 7/8	3/4	2 5/16	20	8
-	-	-	-	-	-	-	-

L.W.L.:Lowest Running Water Level

WT1:Pump Weight (Without Cable)

WT2:Double Flange Set Weight

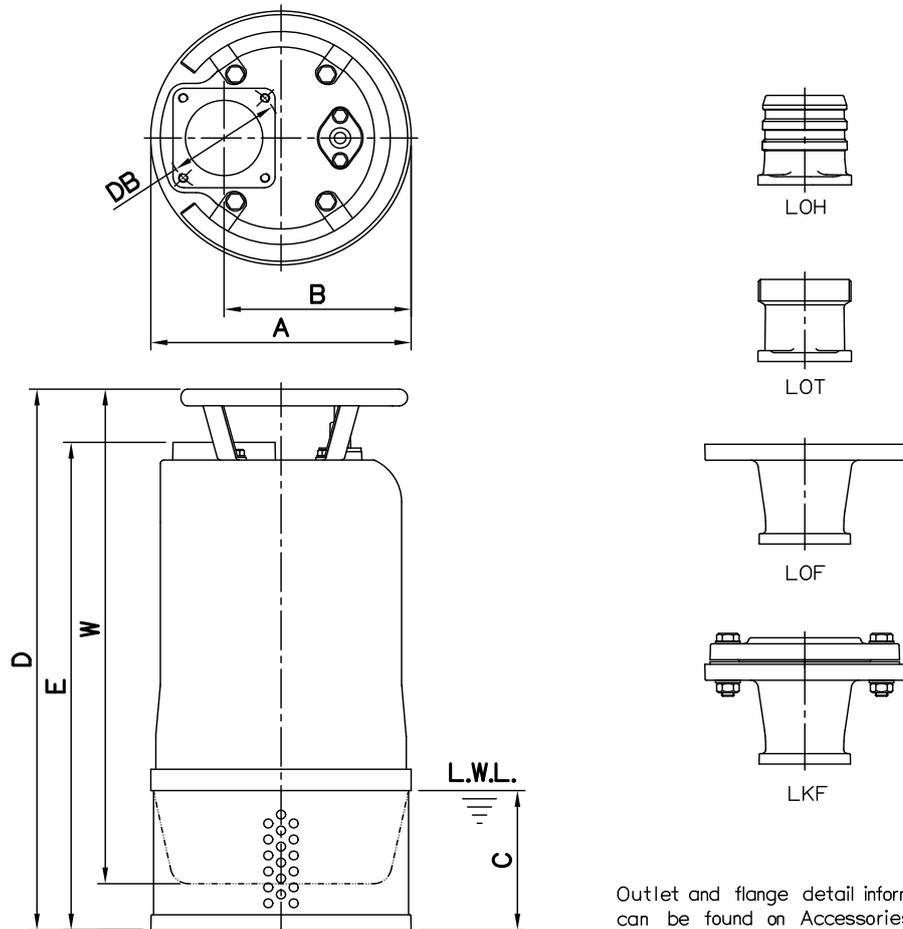
W is the dimension from handle to casing cover.

DIMENSIONS

NO: S4IC0275030-00

MODEL: IC-48 / 68 / 410 / 610

50Hz 3Ø



Outlet and flange detail information can be found on Accessories section.

Dimensions-mm

Weight:kg

Model	A	B	C	D	E	W	DB	WT1	Optional Outlet Accessories			
									LOH	LOT	LOF	LKF
IC-48	286	206	130	610	550	549	127	75	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127
IC-410	286	206	130	610	550	549	127	80	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127
IC-68	286	206	130	610	550	549	127	78	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127
IC-610	286	206	130	610	550	549	127	81	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127

Dimensions-inch

Weight:lb

Model	A	B	C	D	E	W	DB	WT1	Optional Outlet Accessories			
									LOH	LOT	LOF	LKF
IC-48	11¼	8½	5½	24	21½	7½	5	165	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127
IC-410	11¼	8½	5½	24	21½	7½	5	176	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127
IC-68	11¼	8½	5½	24	21½	7½	5	172	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127
IC-610	11¼	8½	5½	24	21½	7½	5	179	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127

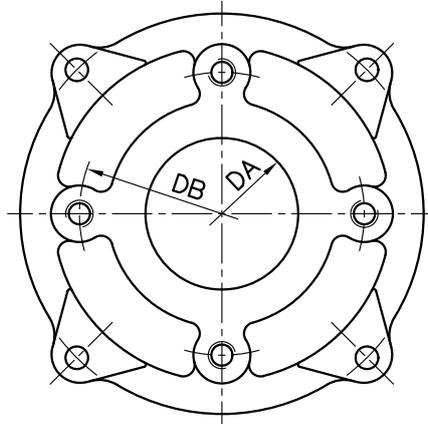
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)
W is the dimension from handle to casing cover.

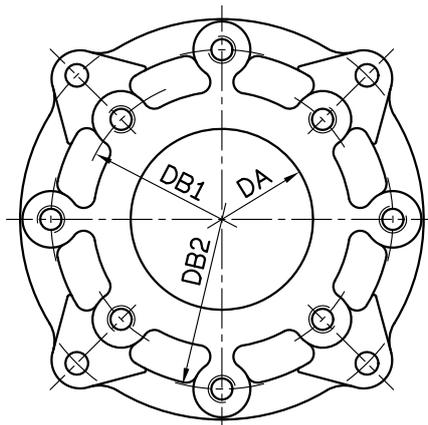
DIMENSIONS

No: SOIC0000001-01

MODEL: Casing cover



Application Model	Dimensions-mm		Dimensions-inch		Drilling	Suggested Bolts	(n)QTY
	DA	DB	DA	DB			
IC-215	50	100	2	4	M10	M10*25	4
IC-32B	67	125	2 ⁵ / ₈	5	M12	M12*25	4
IC-33B	67	125	2 ⁵ / ₈	5	M12	M12*25	4
IC-46B	90	150	3 ⁹ / ₁₆	6	M12	M12*25	4
IC-48	87	150	3 ¹ / ₁₆	6	M12	M12*25	4
IC-410	87	150	3 ¹ / ₁₆	6	M12	M12*25	4
IC-68	97	175	3 ¹³ / ₁₆	7	M12	M12*25	4
IC-610	97	175	3 ¹³ / ₁₆	7	M12	M12*25	4



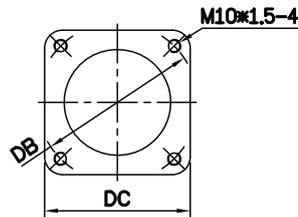
Application Model	Dimensions-mm			Dimensions-inch			Drilling	Suggested Bolts	(n)QTY
	DA	DB1	DB2	DA	DB1	DB2			
IC-43B	80	125	150	3	5	6	M12	M12*25	4
IC-45B	80	125	150	3	5	6	M12	M12*25	4

DIMENSIONS

NO: SOIC000000-00

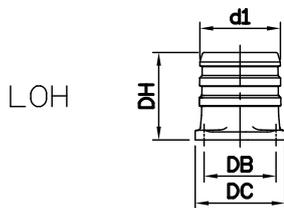
MODEL: Outlet (4"~6")

OUTLET CONNECTION

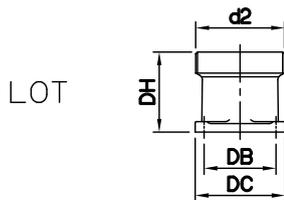


Model	mm		inch	
	DB	DC	DB	DC
5.5~7.5kW	127	112	5	4 ⁷ / ₁₆

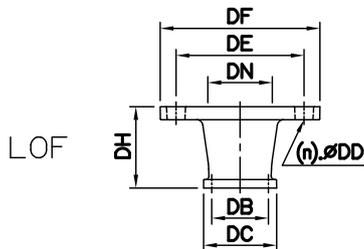
OPTIONAL OUTLET ACCESSORIES



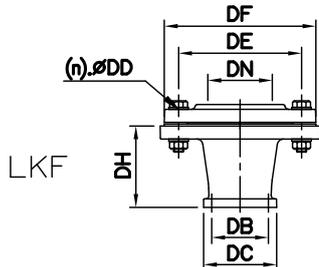
LOH	Dimensions-mm				kg	Dimensions-inch				lb
	d1	DB	DC	DH		d1	DB	DC	DH	
LOH4-127	100	127	112	110	3	4	5	4 ⁷ / ₁₆	4 ⁵ / ₁₆	7
LOH6-127	150	127	112	172	5	6	5	4 ⁷ / ₁₆	6 ³ / ₄	11



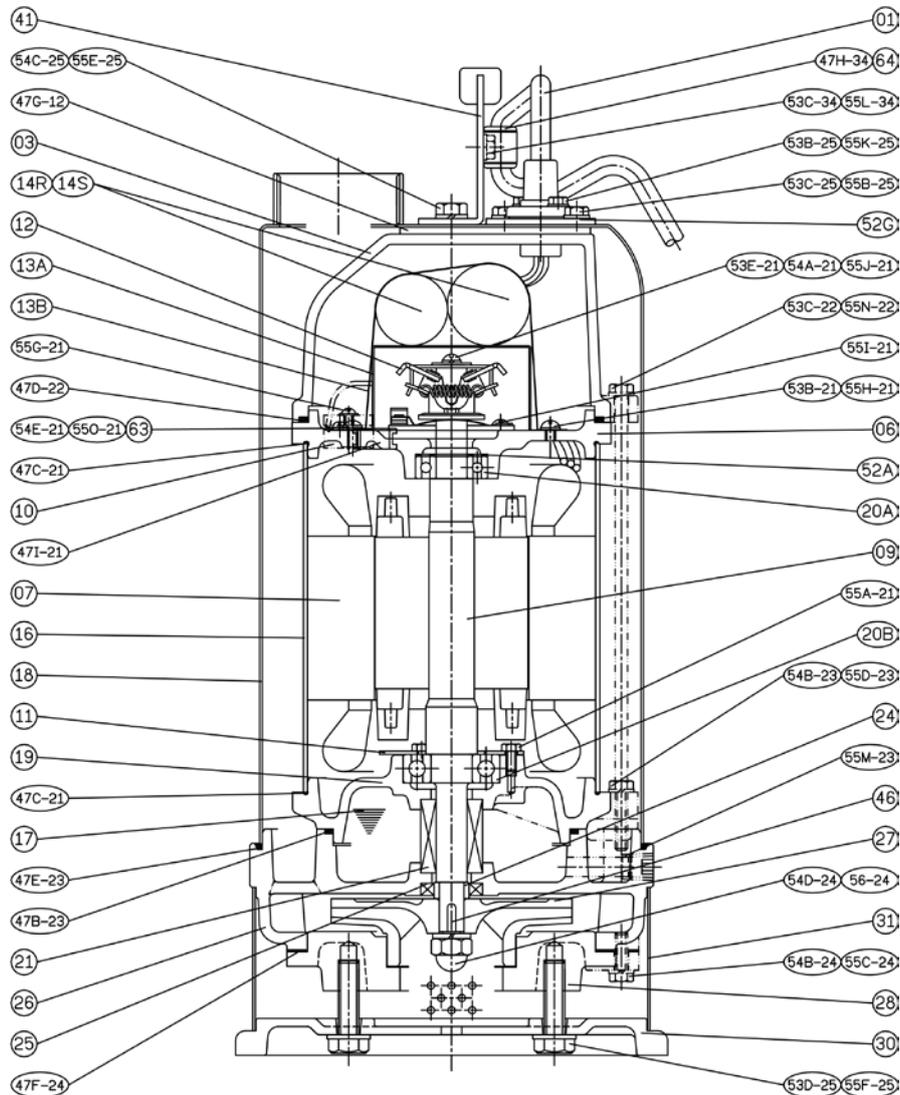
LOT	Dimensions-mm				kg	Dimensions-inch				lb	Thread Available		
	d2	DB	DC	DH		Weight	d2	DB	DC		DH	Weight	PF
LOT4-127	100	127	112	85	2	4	5	4 ⁷ / ₁₆	3 ³ / ₈	4	PF	PT	NPT
LOT6-127	150	127	112	140	4	6	5	4 ⁷ / ₁₆	5 ¹ / ₂	9	PF	PT	NPT



LOF	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		Weight	DN	DB	DC	DD	DE	DF		
LOF4-175~190*127	100	127	112	19	175~190	225	110	10	4	5	4 ⁷ / ₁₆	3 ³ / ₄	6 ⁷ / ₈ ~7 ¹ / ₂	8 ⁷ / ₈	4 ⁵ / ₁₆	22	8
LOF6-240*127	150	127	112	23	240	280	140	14	6	5	4 ⁷ / ₁₆	7 ¹ / ₈	9 ⁷ / ₁₆	11	5 ¹ / ₂	31	8

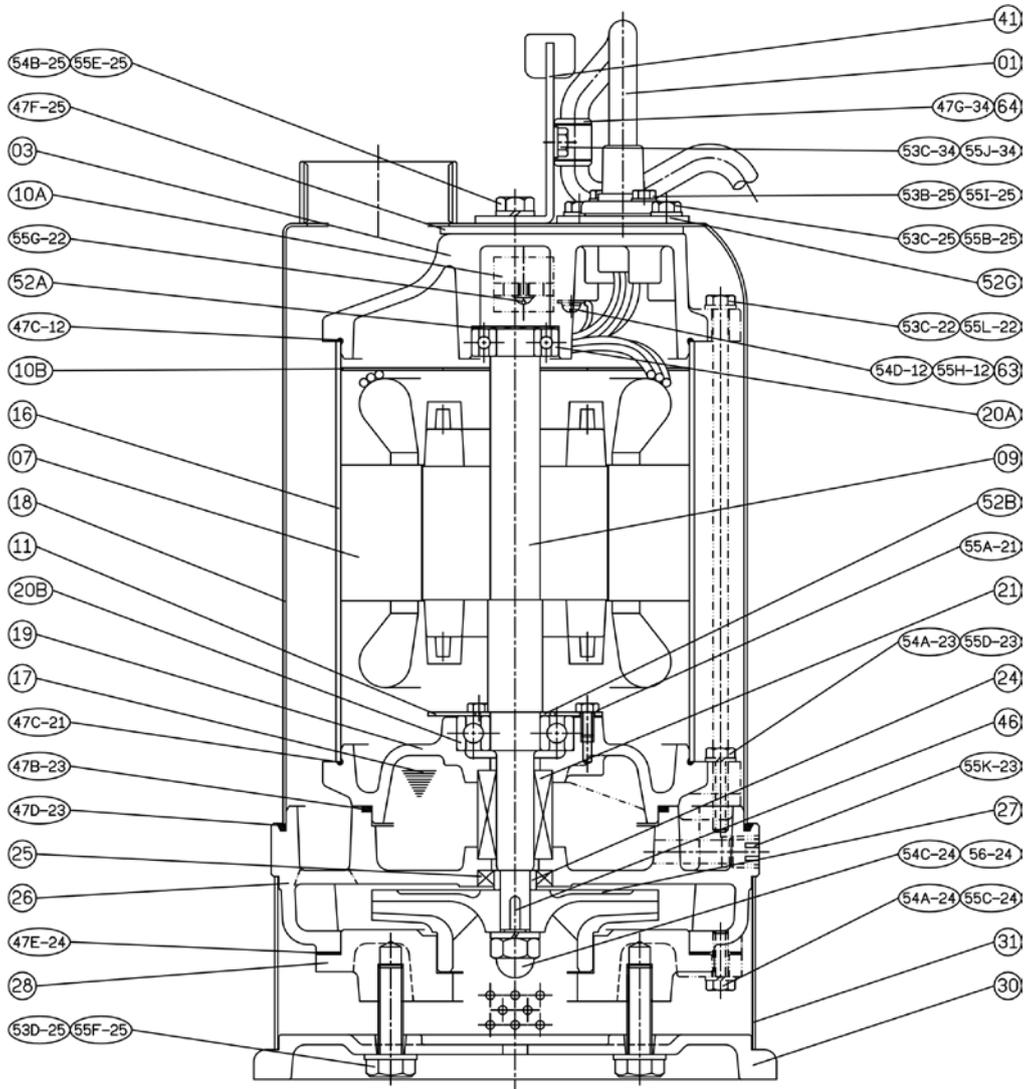


LKF	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY	Thread Available	
	DN	DB	DC	DD	DE	DF	DH		Weight	DN	DB	DC	DD	DE	DF			DH	Weight
LKF4-175*127	100	127	112	15	175	210	110	10	4	5	4 ⁷ / ₁₆	9 ¹ / ₁₆	6 ⁷ / ₈	8 ³ / ₄	4 ⁵ / ₁₆	22	8	PT	NPT
LKF6-240*127	150	127	112	23	240	280	140	20	6	5	4 ⁷ / ₁₆	7 ¹ / ₈	9 ⁷ / ₁₆	11	5 ¹ / ₂	44	8	PT	NPT



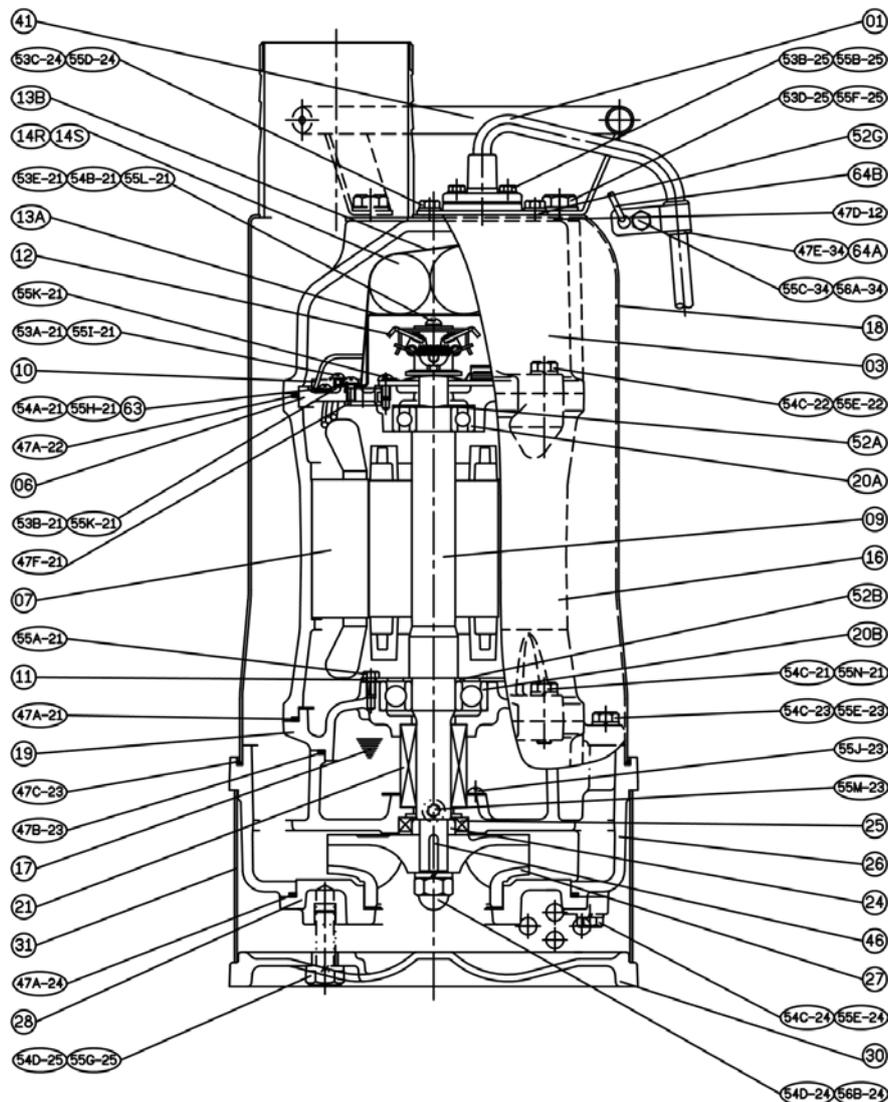
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	SUS304	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1

NO.	Part name	Material	QTY
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	BC	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		



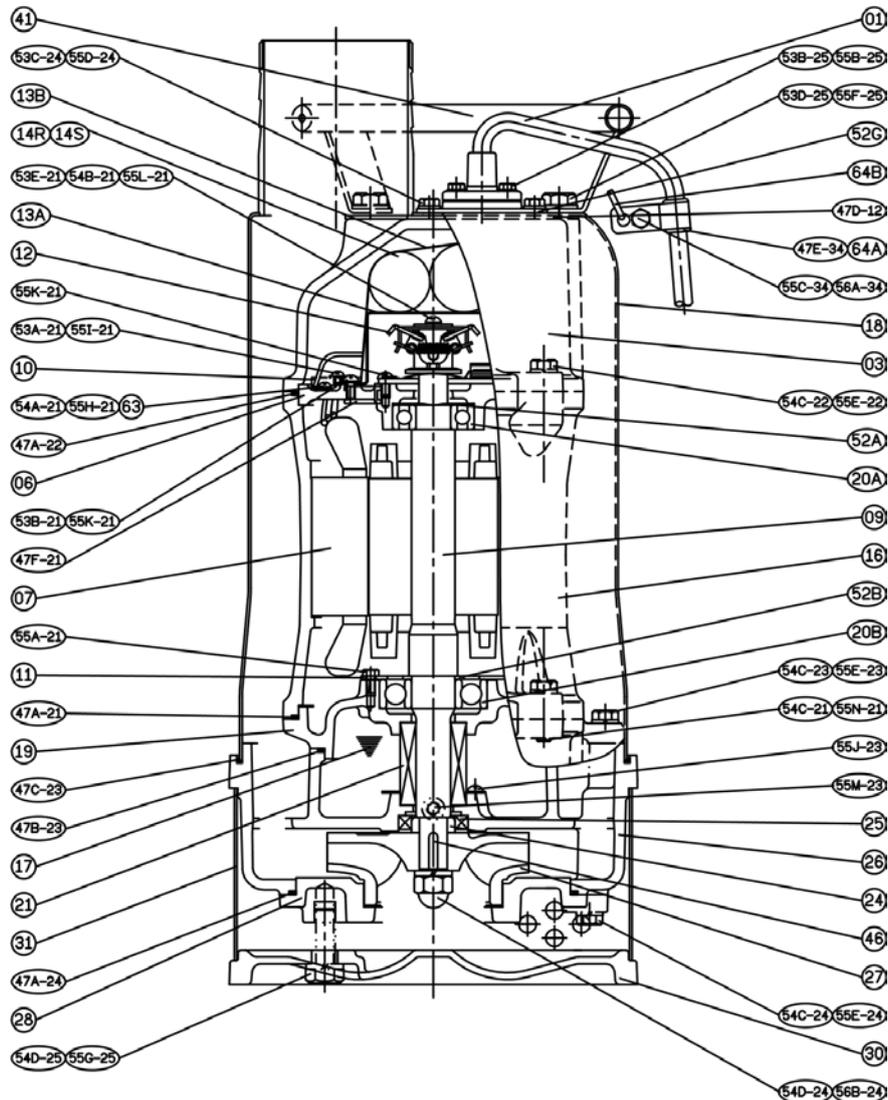
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10A	Auto-cut Protector		1
10B	Protective Plate		1
11	Bearing Fixer	SPCC	1
16	Motor Frame	SUS304	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	BC	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		



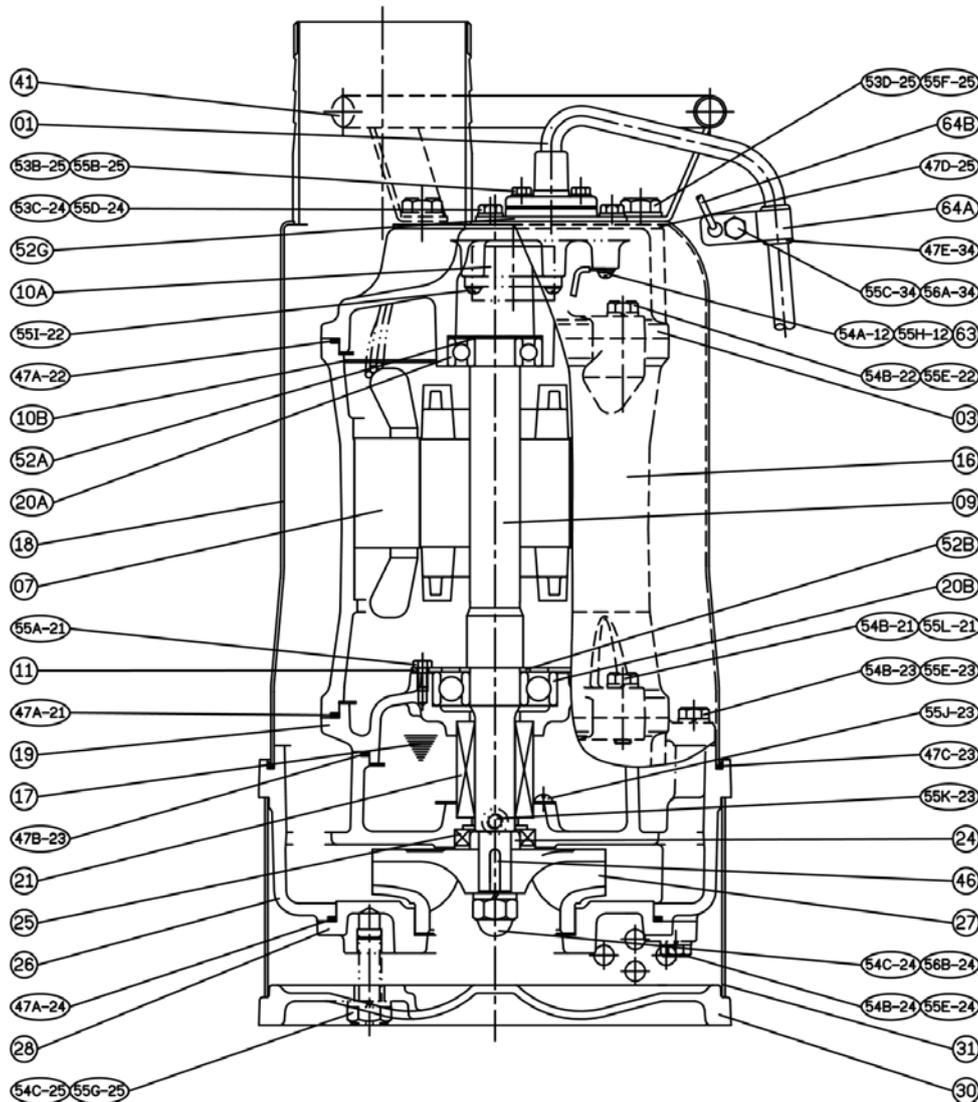
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1

NO.	Part name	Material	QTY
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	Chrome steel	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		



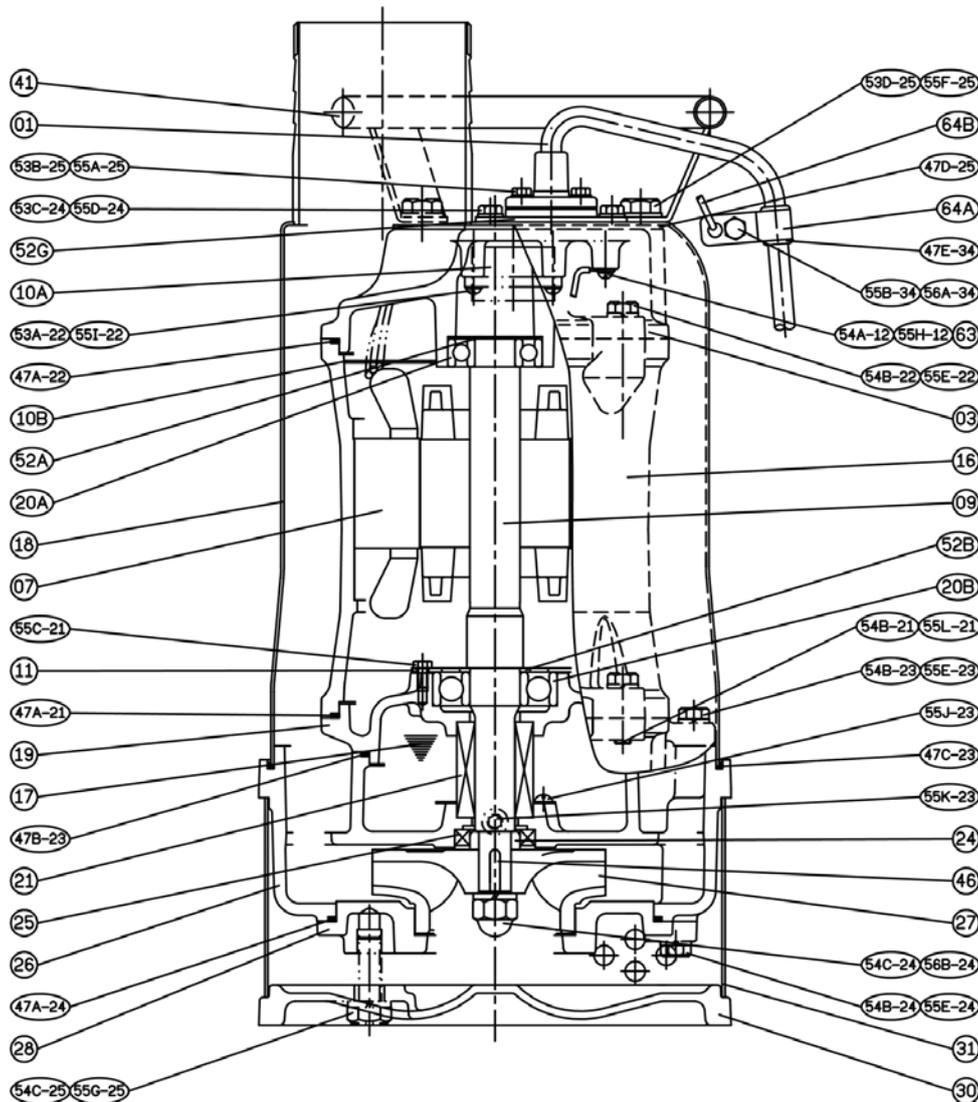
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
06	Bracket	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10	Auto-cut Protector		1
11	Bearing Fixer	SPCC	1
12	Centrifugal Switch		1
14R	Capacitor		1
14S	Start Capacitor		1
16	Motor Frame	FC200	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1

NO.	Part name	Material	QTY
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	Chrome steel	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		



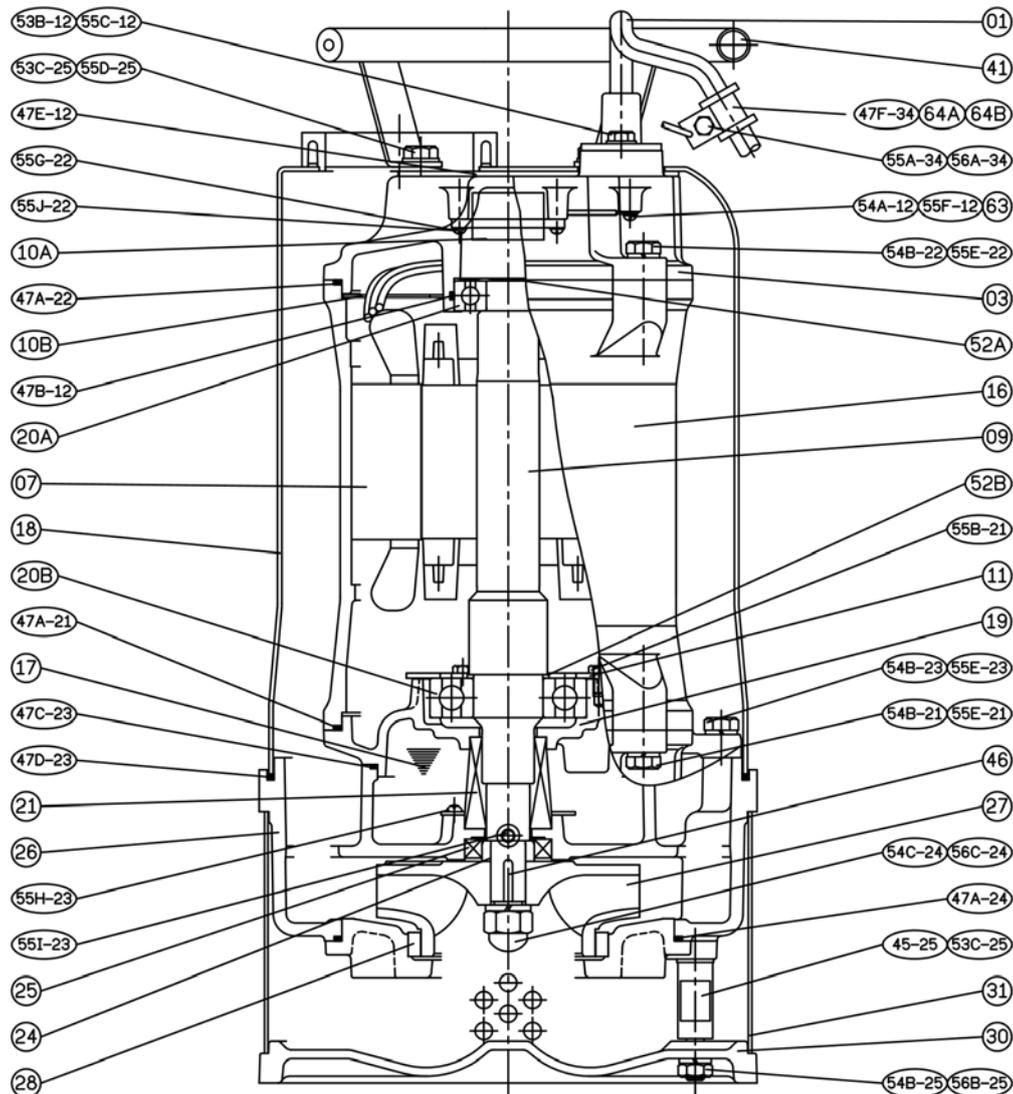
NO.	Part name	Material	QTY
01	Cable		1
03	Upper Cover	FC200	1
07	Stator		1
09	Shaft End	SUS403	1
10A	Auto-cut Protector		1
10B	Protective Plate		1
11	Bearing Fixer	SPCC	1
16	Motor Frame	FC200	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	Chrome steel	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
07	Stator		1
09	Shaft End	SUS304	1
10A	Auto-cut Protector		1
10B	Protective Plate		1
11	Bearing Fixer	SPCC	1
16	Motor Frame	FC200	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	Chrome steel	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
07	Stator		1
09	Shaft End	SUS304	1
10A	Auto-cut Protector		1
10B	Protective Plate		1
11	Bearing Fixer	SPCC	1
16	Motor Frame	FC200	1
17	Lubricant		
18	Outer Cover	SUS304	1
19	Bearing Bracket	FC200	1
20A	Bearing		1
20B	Bearing		1
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
24	Oil Seal Bush	SUS403	1
25	Oil Seal	NBR	1
26	Casing	FC200	1
27	Impeller	Chrome steel	1
28	Casing Cover+Wear Ring	FC200+Chrome steel	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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