

HD SERIES

SUBMERSIBLE DEWATERING PUMPS

POWER : 1.5~20HP (1.1~15kW)
MAX.HEAD : 59m(194feet)
MAX.FLOW : 2.7m³/min (162m³/h)



PRODUCT NOMENCLATURE

Example :

100	HD	2	5.5
Discharge mm	Type	Pole	kW

FEATURES

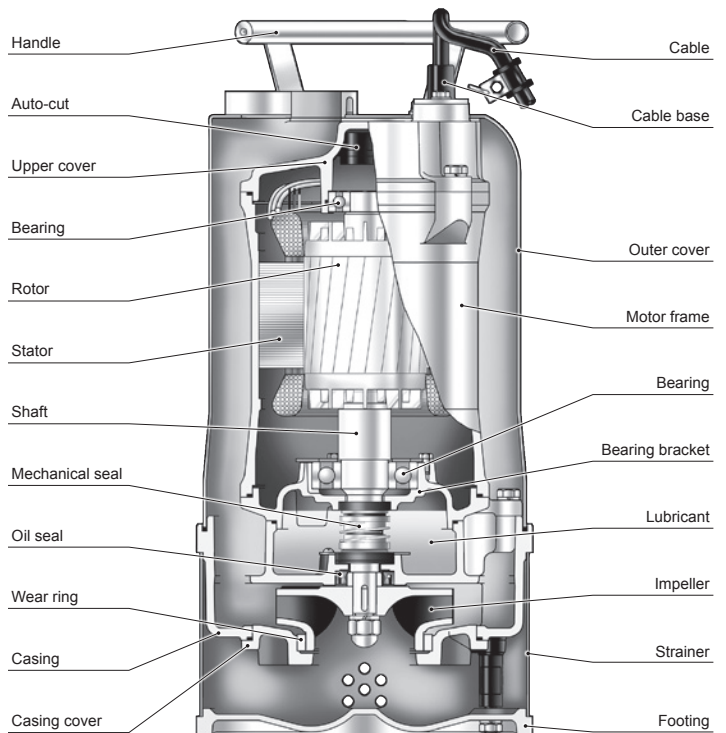
- Complete stainless steel outer cover of HD 1.5HP ~ 20HP (1.1kW~15kW) models provide exceptional consolidated design, with light weight structure of less than 295 lbs (134kg) and diameter of 13 inches (330mm) that provide miniature outlook.
- Special designed high efficiency and wear resistant HiCr(high chrome) impeller.
- Multi impeller design suitable from high head with small capacity to low head with large capacity application requirements.
- Optional discharge connection(hose, flange, Center Line Flange and thread connection).
- Compact, strong and easy handling for all civil engineering application conditions.

APPLICATIONS

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

HiCrFC impeller

- High chrome alloy (HiCrFC) steel hardness of 55-60 HRC impeller to stand high abrasive applications.



HD SERIES SUBMERSIBLE DEWATERING PUMPS

50HD21.1 · 50HD21.5 · 50HD22.2

SPECIFICATIONS

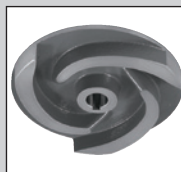
Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Open
Material	Upper Cover	FC200
	Motor Frame	SUS304(1.5HP) · FC200(2~3HP)
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear plate	HiCrFC(2~3HP)
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



50HD21.1



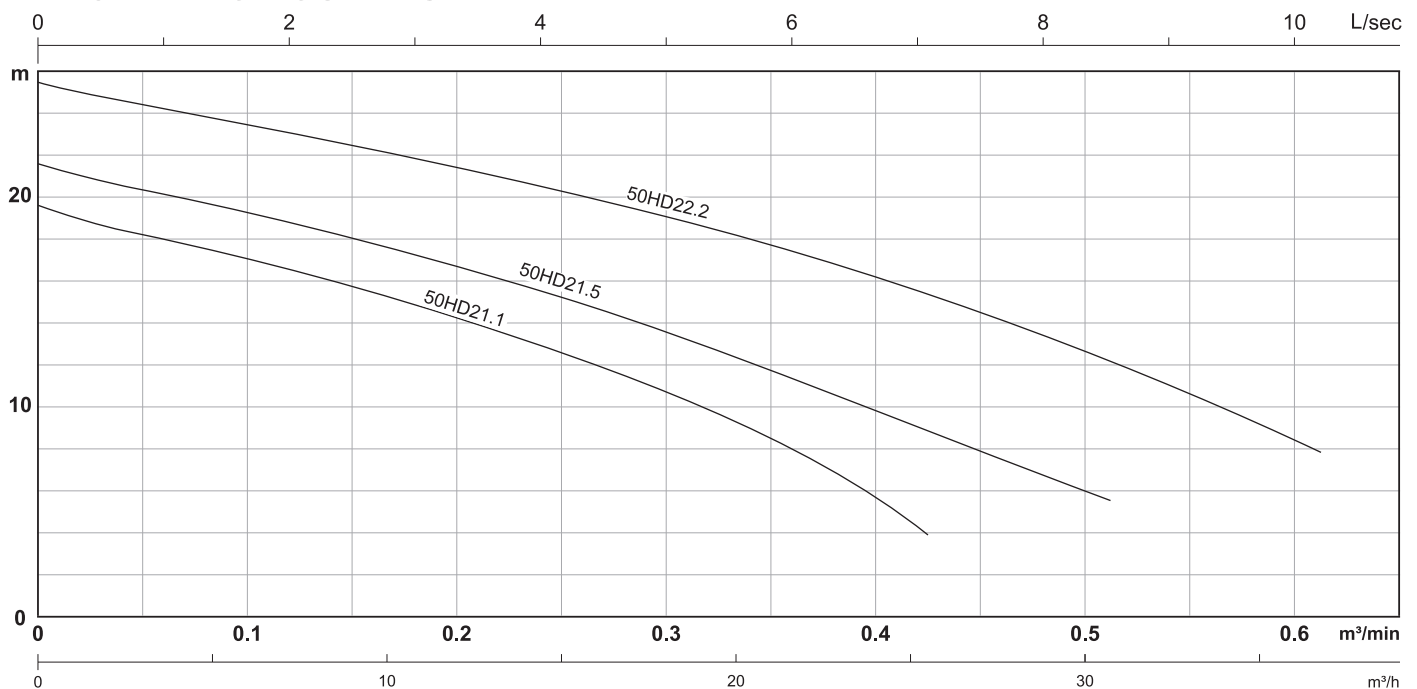
50HD21.5
50HD22.2



Open Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		Voltage	220V	230V	230V	380V	400V	415V
50HD21.1	1.5(1.1)	2"(50)	13.5-0.2	13.5-12	19.5-0.4	19.5-24	7.5(1/4")	28(62)	24(53)	Full load Ampere	8.4	8.2	4.9	2.9	2.8	2.7	2.2
50HD21.5	2(1.5)	2"(50)	15-0.25	15-15	21.5-0.55	21.5-33	10(3/8")	40(88)	36(79)		10.4	10.0	6.1	3.6	3.4	3.4	2.7
50HD22.2	3(2.2)	2"(50)	19-0.3	19-18	25.5-0.65	25.5-39	10(3/8")	44(97)	39(86)		15.0	14.6	8.7	5.2	4.9	4.8	3.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q: m³/min												Q: L/sec							
			0.05	0.1	0.15	0.2	0.3	0.4	0.5	0.6	1	2	3	4	5	6	8	10				
50HD21.1	1.5(1.1)	2"(50)	18.2	17.1	15.8	14.3	10.8	5.8	—	—	H:m	18.0	16.6	14.9	13.0	10.8	8.2	—	—			
50HD21.5	2(1.5)	2"(50)	20.4	19.3	18.0	16.7	13.6	9.8	6.0	—		20.2	18.8	17.2	15.6	13.6	11.4	6.8	—			
50HD22.2	3(2.2)	2"(50)	24.4	23.4	22.4	21.4	19.1	16.2	12.7	8.4		24.2	23.1	21.8	20.5	19.1	17.4	13.4	8.4			

HD SERIES SUBMERSIBLE DEWATERING PUMPS

80HD21.5 · 80HD22.2 · 80HD23.7 · 100HD23.7

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Close
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403(2~3HP) · SUS304(5HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear ring	HiCrFC
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



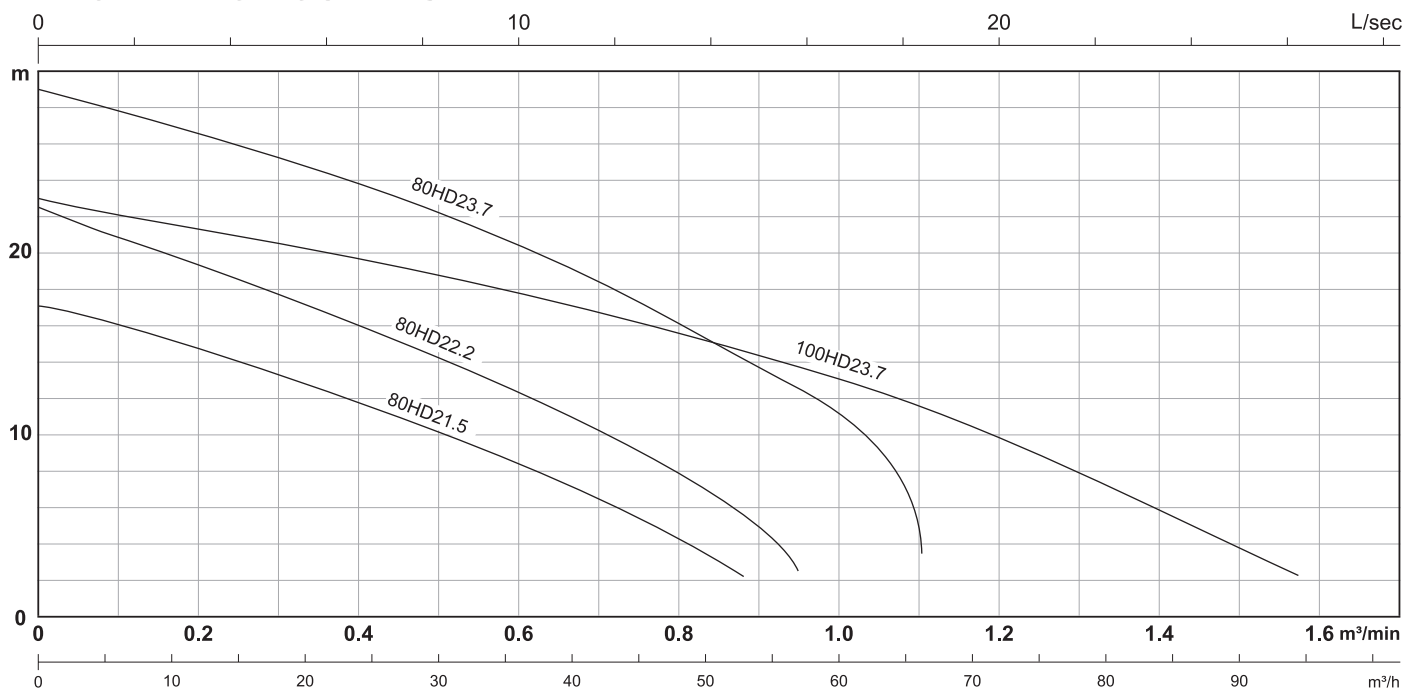
Close Impeller



80HD21.5 · 80HD22.2
80HD23.7 · 100HD23.7

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
80HD21.5	2(1.5)	3"(80)	10-0.5	10-30	17-0.9	17-54	10(3/8")	40(88)	36(79)	Full load Ampere	220V	230V	230V	380V	400V	415V	525V
80HD22.2	3(2.2)	3"(80)	14-0.5	14-30	22.5-1.0	22.5-60	10(3/8")	45(99)	39(86)		10.4	10.0	6.1	3.6	3.4	3.4	2.7
80HD23.7	5(3.7)	3"(80)	22-0.5	22-30	29-1.2	29-72	10(3/8")	—	44(97)		15.0	14.6	8.7	5.2	4.9	4.8	3.8
100HD23.7	5(3.7)	4"(100)	13-1.0	13-60	23-1.65	23-99	10(3/8")	—	44(97)		—	—	14.3	8.3	7.9	7.9	6.3

PERFORMANCE CURVES



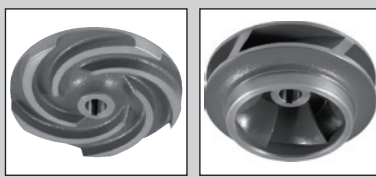
Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	H:m								Q:L/sec	H:m							
				0.2 12	0.4 24	0.6 36	0.8 48	1 60	1.2 72	1.4 84	2		4	6	8	12	16	20	24	
80HD21.5	2(1.5)	3"(80)	H:m	14.8	11.8	8.4	4.4	—	—	—	H:m	15.8	14.2	12.4	10.6	6.1	—	—	—	
80HD22.2	3(2.2)	3"(80)		19.4	16.0	12.4	8.0	—	—	—		20.6	18.7	16.7	14.6	9.8	—	—	—	
80HD23.7	5(3.7)	3"(80)		26.5	23.8	20.4	16.2	11.2	—	—		27.8	26.0	24.4	22.5	18.0	12.4	—	—	
100HD23.7	5(3.7)	4"(100)		21.4	19.8	17.8	15.6	13.0	9.8	5.8		22.0	21.0	20.0	19.0	16.5	13.6	9.8	5.0	

HD SERIES SUBMERSIBLE DEWATERING PUMPS

80HD25.5 · 100HD25.5 · 150HD25.5 · 100HD27.5 · 150HD27.5

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class H
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Close (80HD25.5:Open)
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS304
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear Plate	HiCrFC(For Open)
	Wear ring	HicrFC(For Close)
	Cable	VCT or H07RN-F or SOW
Optional	-	



Open Impeller

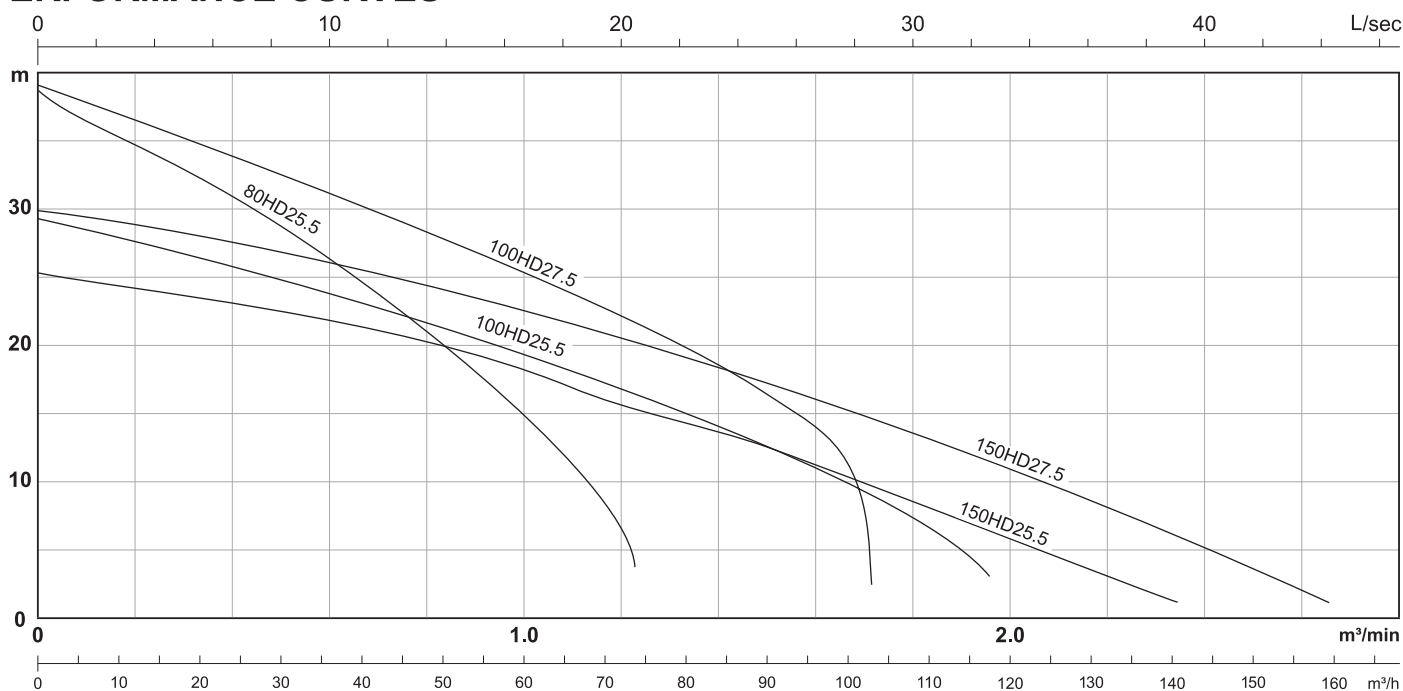
Close Impeller



80HD25.5 · 100HD25.5 ·
150HD25.5 · 100HD27.5 · 150HD27.5

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)		220V	230V	230V	380V	400V	415V	525V
80HD25.5	7.5(5.5)	3"(80)	28-0.5	28-30	38-1.3	38-78	10(3/8")	-	72(159)	Full load Ampere	-	-	21.2	12.0	11.8	11.8	9.3
100HD25.5	7.5(5.5)	4"(100)	19-1.0	19-60	29-2.0	29-120	10(3/8")	-	75(165)		-	-	21.2	12.0	11.8	11.8	9.3
150HD25.5	7.5(5.5)	6"(150)	12-1.5	12-90	25-2.4	25-144	10(3/8")	-	78(172)		-	-	21.2	12.0	11.8	11.8	9.3
100HD27.5	10(7.5)	4"(100)	25-1.0	25-60	39-1.8	39-108	10(3/8")	-	80(176)		-	-	28.6	16.0	15.8	15.8	12.6
150HD27.5	10(7.5)	6"(150)	17-1.5	17-90	30-2.7	30-162	10(3/8")	-	81(179)		-	-	28.6	16.0	15.8	15.8	12.6

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	H:m								Q:L/sec	H:m							
				0.2 12	0.4 24	0.6 36	1 60	1.4 84	1.8 108	2.2 132	2.6 156		5	10	15	20	25	30	35	40
80HD25.5	7.5(5.5)	3"(80)		34.8	31.0	26.4	15.0	-	-	-	-		33.0	26.4	18.1	6.8	-	-	-	-
100HD25.5	7.5(5.5)	4"(100)		27.6	25.8	23.8	19.4	14.1	7.4	-	-		26.7	23.8	20.6	16.8	12.6	7.4	-	-
150HD25.5	7.5(5.5)	6"(150)		24.2	23.2	21.9	18.2	13.7	8.6	3.1	-		23.7	21.9	19.4	15.6	12.6	8.6	4.5	-
100HD27.5	10(7.5)	4"(100)		36.5	33.9	31.2	25.4	18.6	-	-	-		35.2	31.2	26.8	22.2	16.4	-	-	-
150HD27.5	10(7.5)	6"(150)		28.9	27.6	26.1	22.6	18.4	13.6	8.2	2.0		28.3	26.1	23.5	20.6	17.2	13.6	9.6	5.2

HD SERIES SUBMERSIBLE DEWATERING PUMPS

100HD211 · 100HD215 · 150HD215

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	50Hz
	Motor	2P(3000rpm) · Dry Motor
	Insulation	Class H
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Close
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FCD500
	Impeller	HiCrFC
	Wear ring	HiCrFC
	Cable	VCT or H07RN-F or SOW
Optional	-	



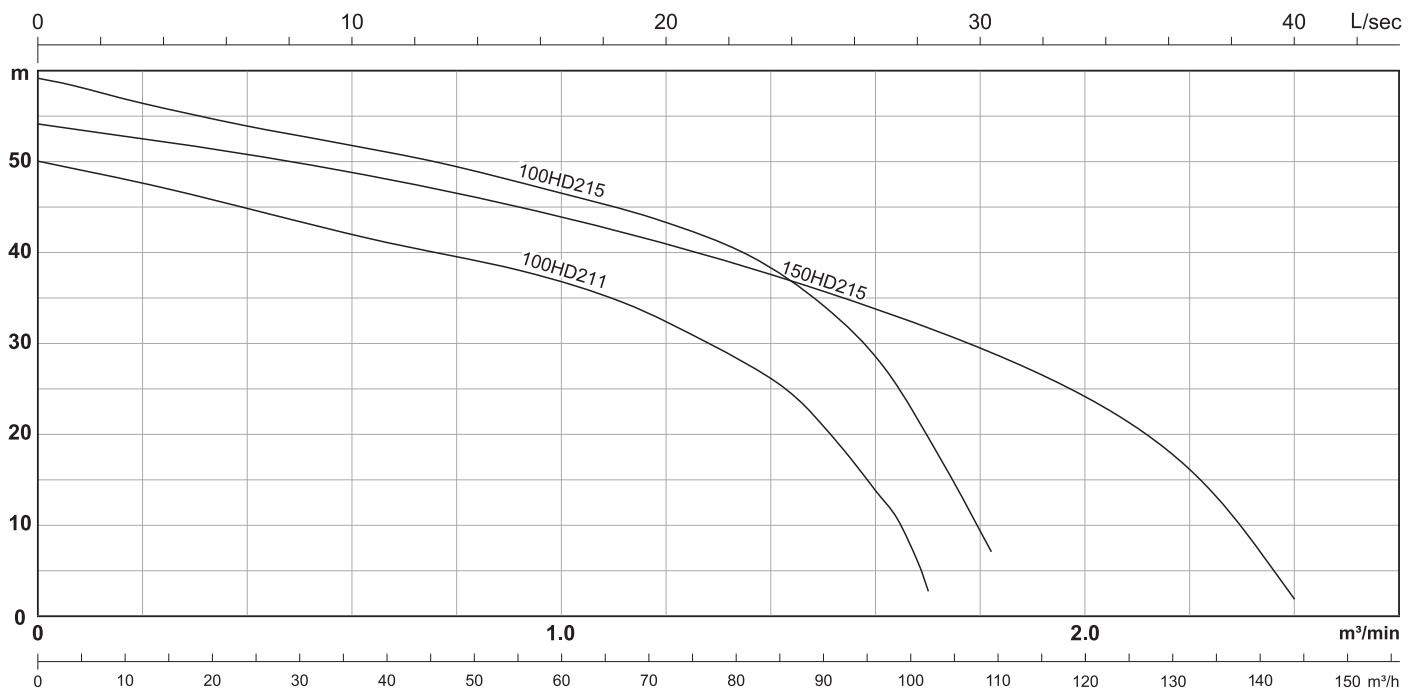
Close Impeller



100HD211 · 100HD215 · 150HD215

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	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)								
100HD211	15(11)	4"(100)	36-1.0	36-60	50-1.8	50-108	10(3/8")	-	125(276)	Full load Ampere	-	-	39.6	22.2	21.8	21.8	17.4
100HD215	20(15)	4"(100)	46-1.0	46-60	59-1.9	59-114	10(3/8")	-	134(295)		-	-	52.0	29.2	28.6	28.6	22.8
150HD215	20(15)	6"(150)	35-1.5	35-90	54-2.4	54-144	10(3/8")	-	133(293)		-	-	52.0	29.2	28.6	28.6	22.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min										Q:L/sec							
			0.2	0.4	0.6	0.8	1.2	1.6	2	2.4	5	10	15	20	25	30	35	40		
100HD211	15(11)	4"(100)	47.6	44.8	42.0	39.4	32.4	6.6	-	-	H:m	46.2	42.0	38.4	32.4	20.8	-	-	-	
100HD215	20(15)	4"(100)	56.4	53.9	51.8	49.24	43.2	28.6	-	-		55.0	51.8	48.0	43.3	34.1	2.4	-	-	
150HD215	20(15)	6"(150)	52.6	50.8	48.8	46.5	41.0	32.4	25.7	2.0		51.7	48.8	45.2	41.0	35.8	29.5	20.7	2.0	

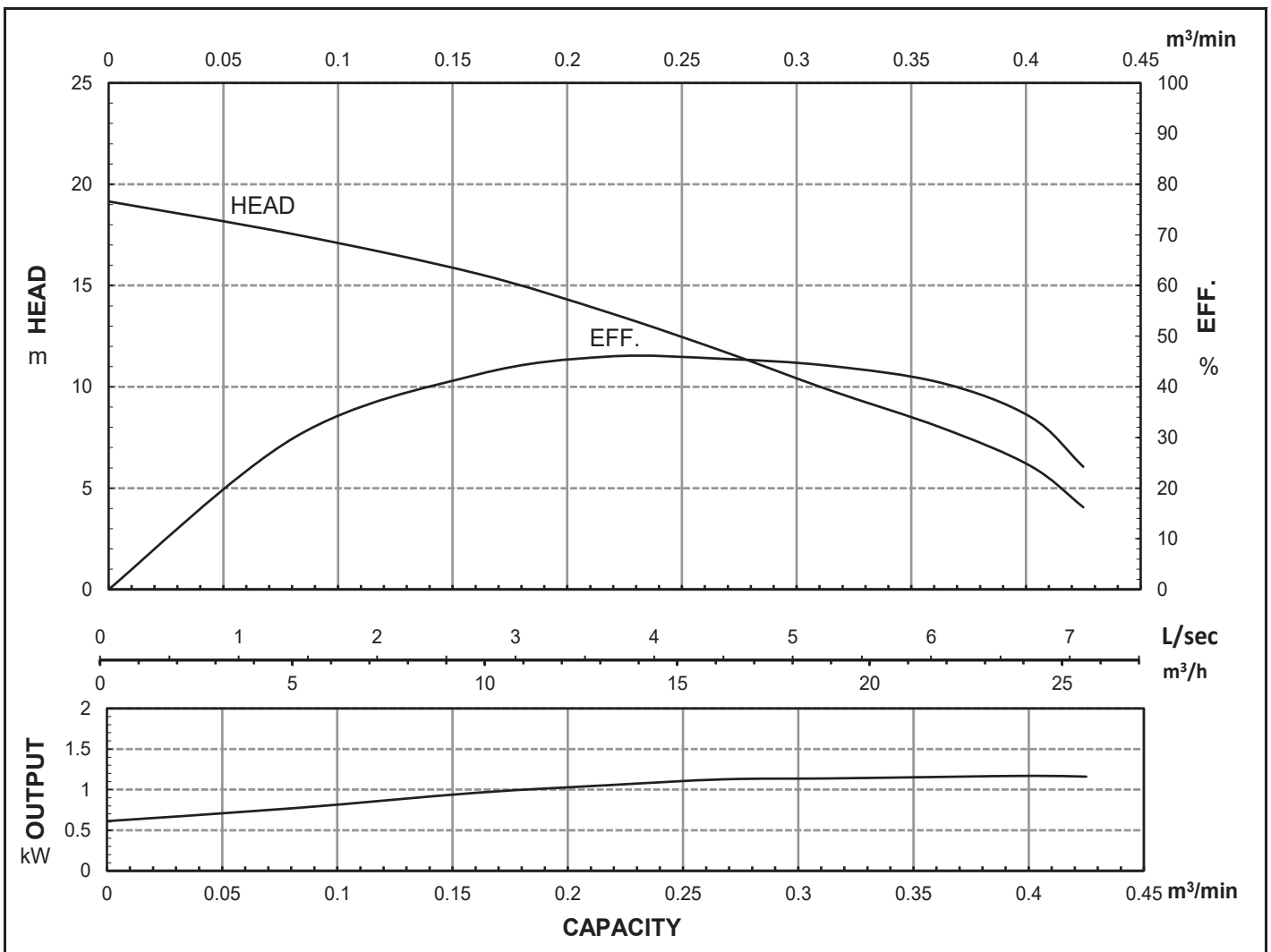


HCP PUMP

FILE NO. PC-M-E5-50HD21.11

PUMP PERFORMANCE CURVES

MODEL	50HD21.1					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	1.5	HP	/	1.1	kW	HP	kW
HEAD	13.5 m						
CAPACITY	0.2 m ³ /min						
PHASE/VOLTAGE	1 ∅	110 V	220 V	230 V	240 V	∅	V
RATED CURRENT		16.8 A	8.4 A	8.2 A	8.0 A		A
POLE / rpm	2	P	/	2840	rpm		
START METHOD	CAPACITOR						
INSULATION CLASS	F						
REMARK							



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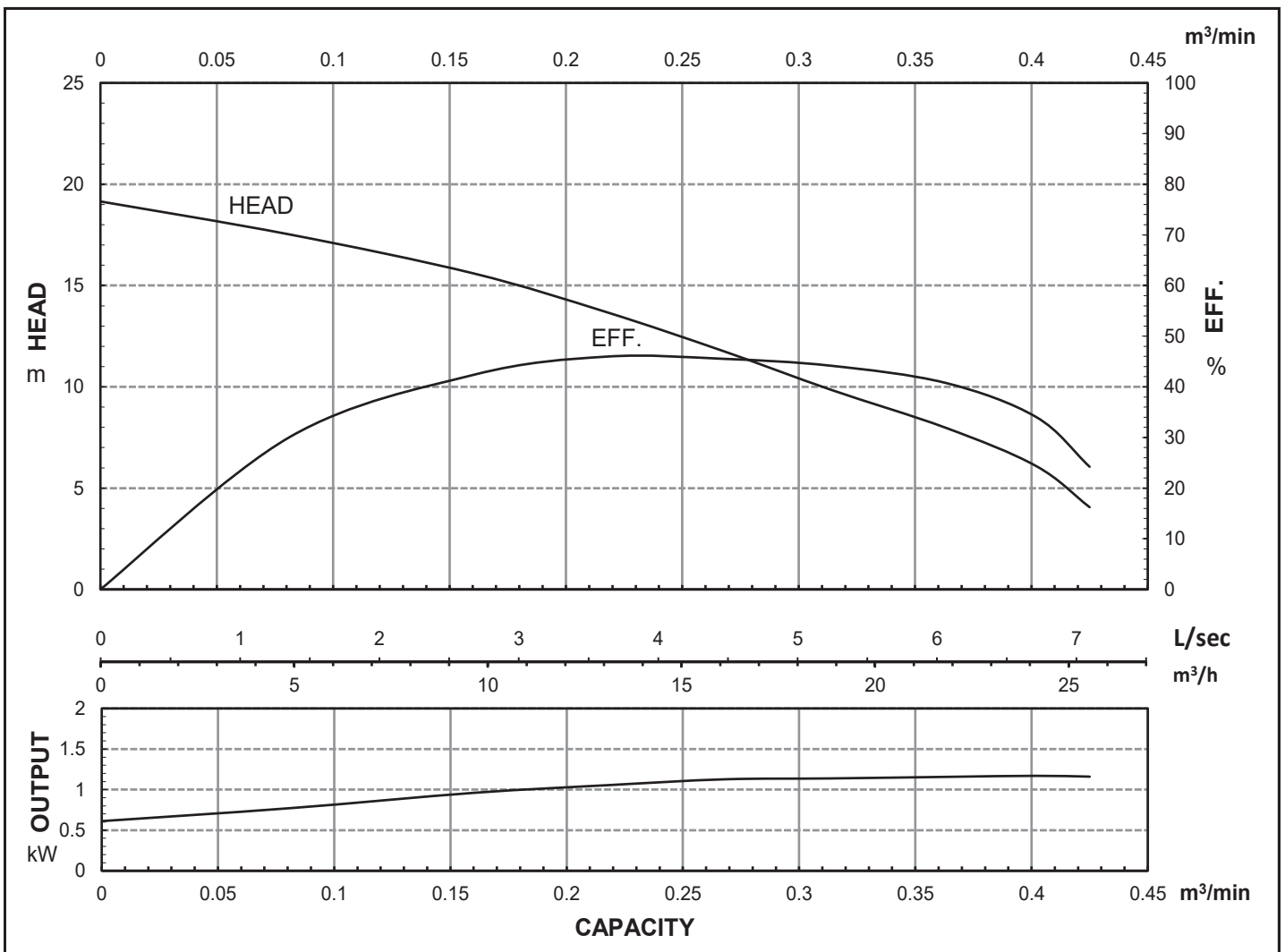


HCP PUMP

FILE NO. PC-M-E5-50HD21.13

PUMP PERFORMANCE CURVES

MODEL	50HD21.1					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	1.5	HP	/	1.1	kW	HP	kW
HEAD	13.5 m						
CAPACITY	0.2 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		4.9 A	2.9 A	2.8 A	2.7 A	2.2 A	A
POLE / rpm	2	P	/	2840	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



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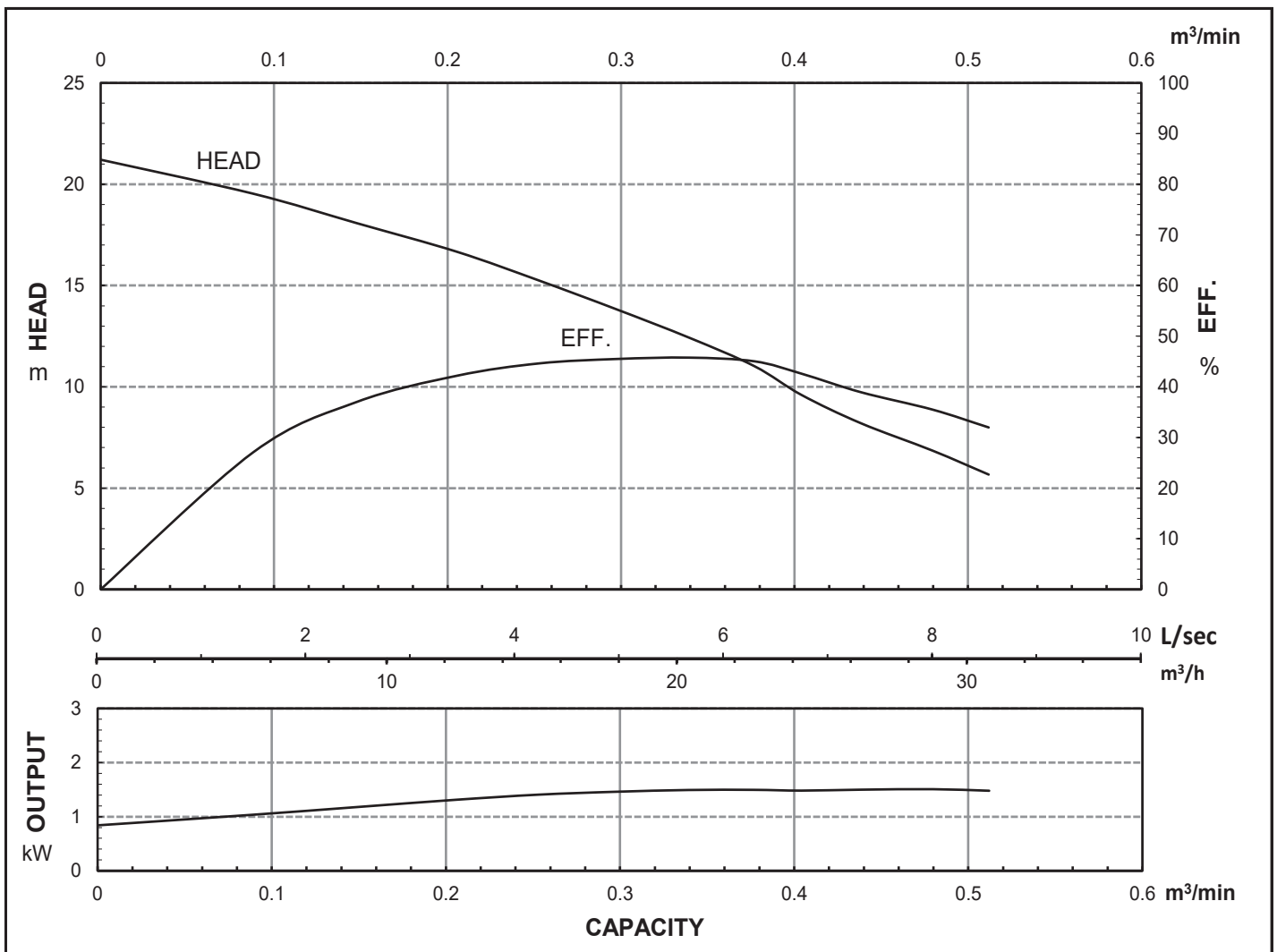


HCP PUMP

FILE NO. PC-M-E5-50HD21.51

PUMP PERFORMANCE CURVES

MODEL	50HD21.5					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	2	HP	/	1.5	kW	HP	kW
HEAD	15 m						
CAPACITY	0.25 m ³ /min						
PHASE/VOLTAGE	1 Ø	220 V	230 V	240 V		Ø	V
RATED CURRENT		10.4 A	10.0 A	9.8 A			A
POLE / rpm	2	P	/	2800	rpm		
START METHOD	CAPACITOR						
INSULATION CLASS	F						
REMARK							



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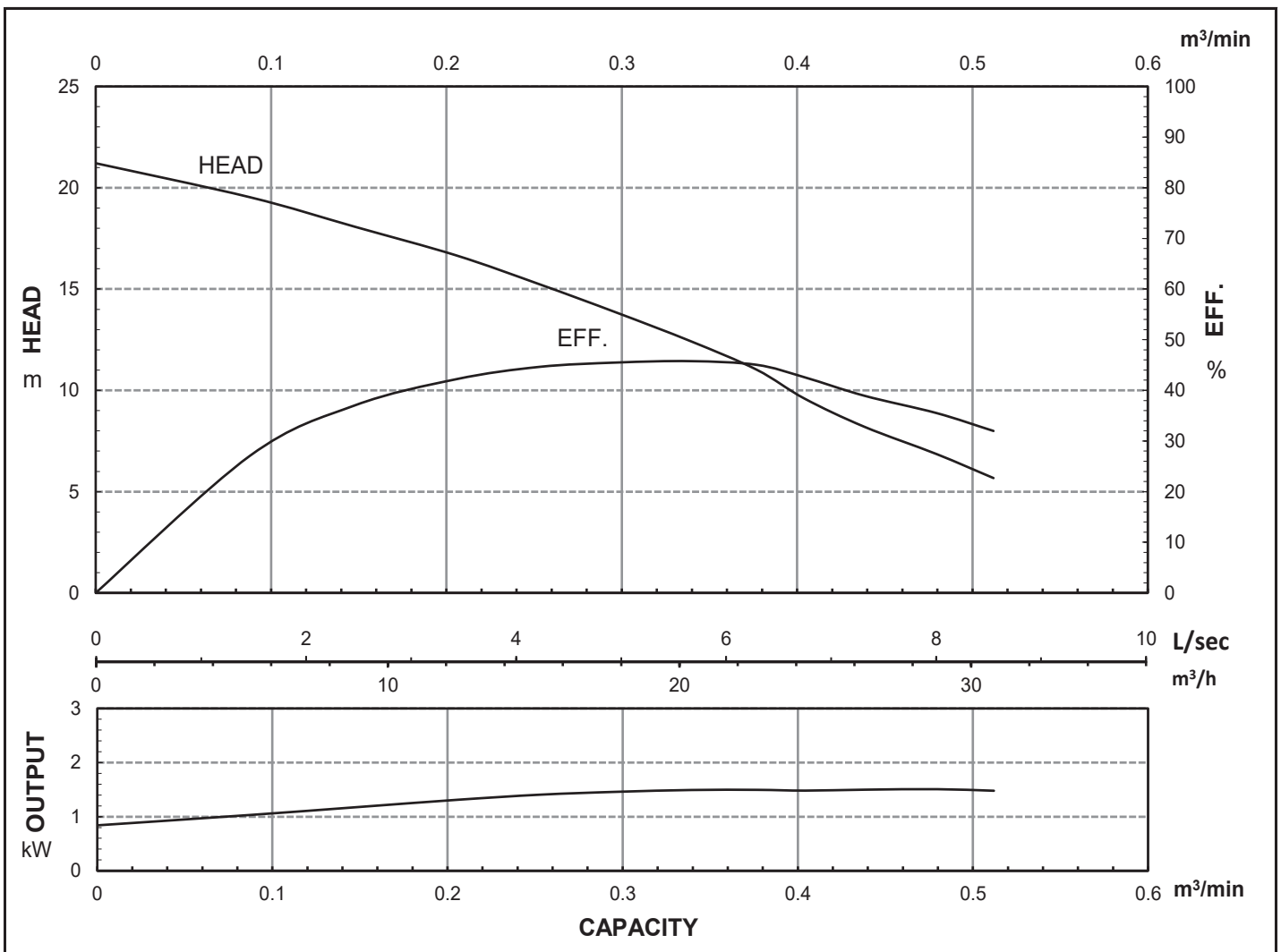


HCP PUMP

FILE NO. PC-M-E5-50HD21.53

PUMP PERFORMANCE CURVES

MODEL	50HD21.5					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	2	inch /		50	mm		
OUTPUT	2	HP /		1.5	kW		
HEAD	15 m						
CAPACITY	0.25 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		6.1 A	3.6 A	3.4 A	3.4 A	2.7 A	A
POLE / rpm	2	P /		2800	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



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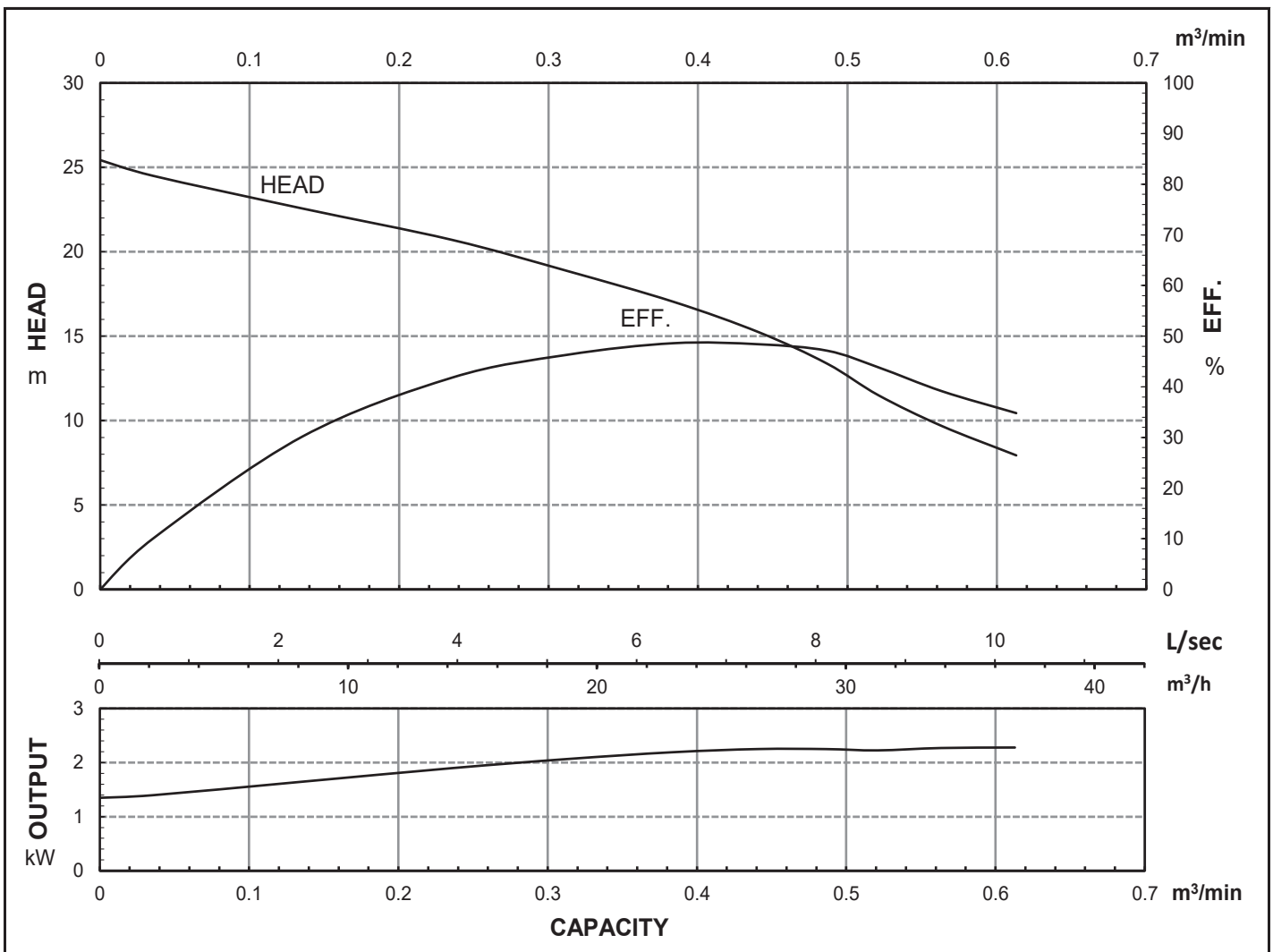


HCP PUMP

FILE NO. PC-M-E5-50HD22.21

PUMP PERFORMANCE CURVES

MODEL	50HD22.2					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50					Hz	
DISCHARGE	2	inch /		50	mm		
OUTPUT	3	HP /		2.2	kW		
HEAD	19					m	
CAPACITY	0.3					m ³ /min	
PHASE/VOLTAGE	1 Ø	220 V	230 V	240 V			Ø V
RATED CURRENT		15.0 A	14.6 A	14.6 A			A
POLE / rpm	2	P /		2820	rpm		
START METHOD	CAPACITOR						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

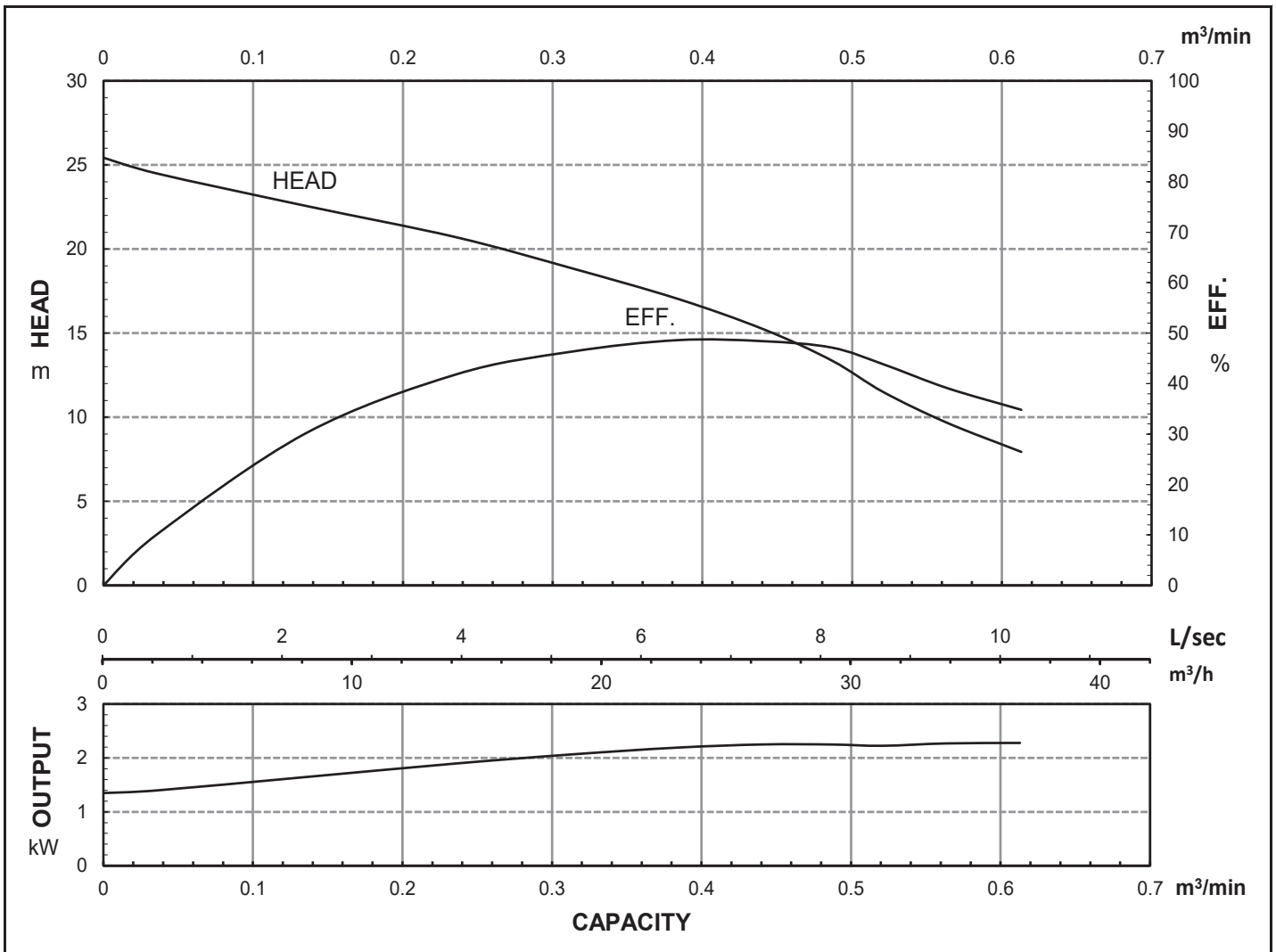


HCP PUMP

FILE NO. PC-M-E5-50HD22.23

PUMP PERFORMANCE CURVES

MODEL	50HD22.2					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	2	inch /		50	mm		
OUTPUT	3	HP /		2.2	kW		
HEAD	19 m						
CAPACITY	0.3 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		8.7 A	5.2 A	4.9 A	4.8 A	3.8 A	A
POLE / rpm	2 P /		2820 rpm				
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

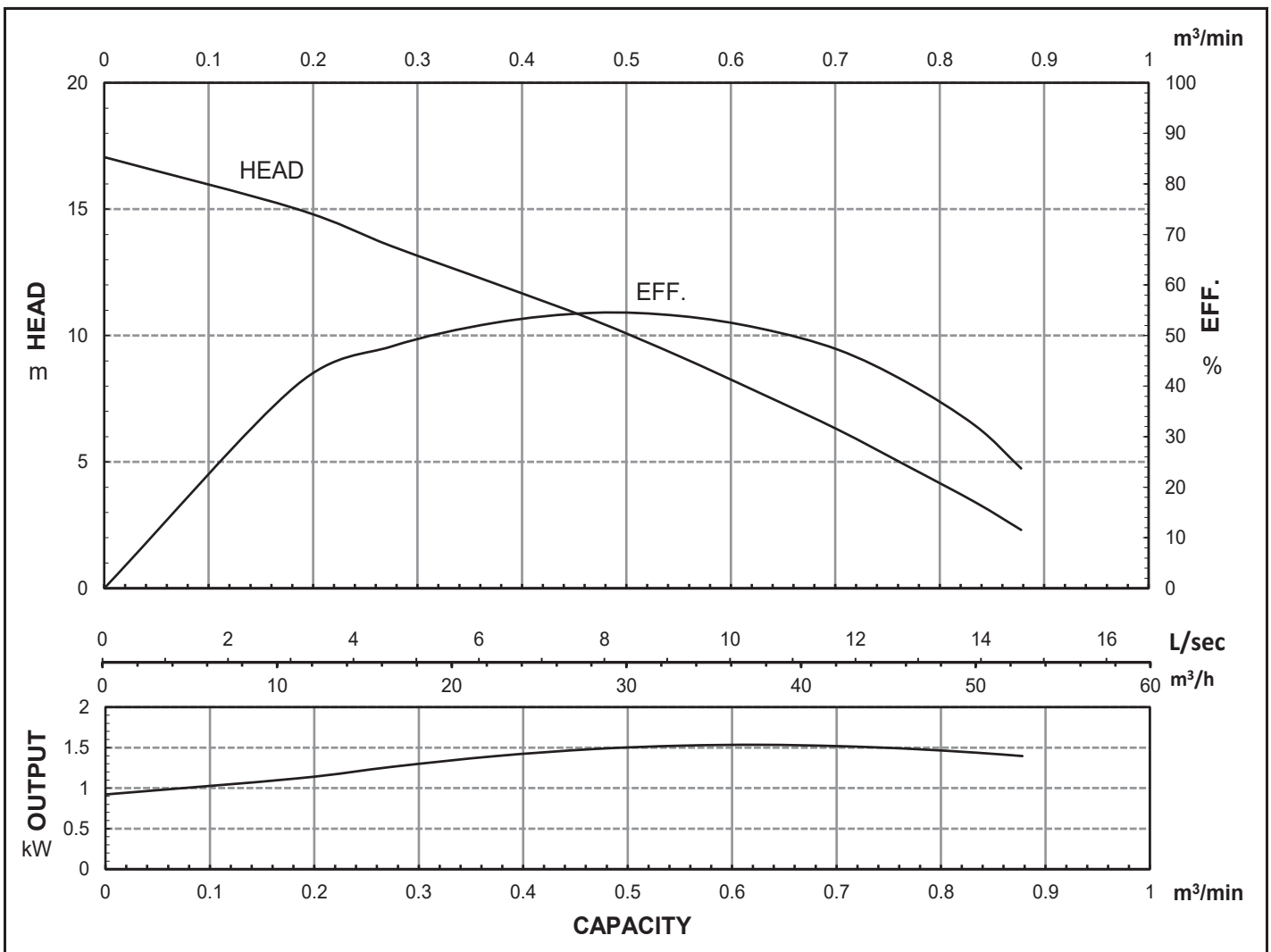


HCP PUMP

FILE NO PC-M-E5-80HD21.51

PUMP PERFORMANCE CURVES

MODEL	80HD21.5					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50					Hz	
DISCHARGE	3	inch /		80	mm		
OUTPUT	2	HP /		1.5	kW		
HEAD	10					m	
CAPACITY	0.5					m ³ /min	
PHASE/VOLTAGE	1 Ø	220 V	230 V	240 V			Ø V
RATED CURRENT		10.4 A	10.0 A	9.8 A			A
POLE / rpm	2	P /		2800	rpm		
START METHOD	CAPACITOR						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

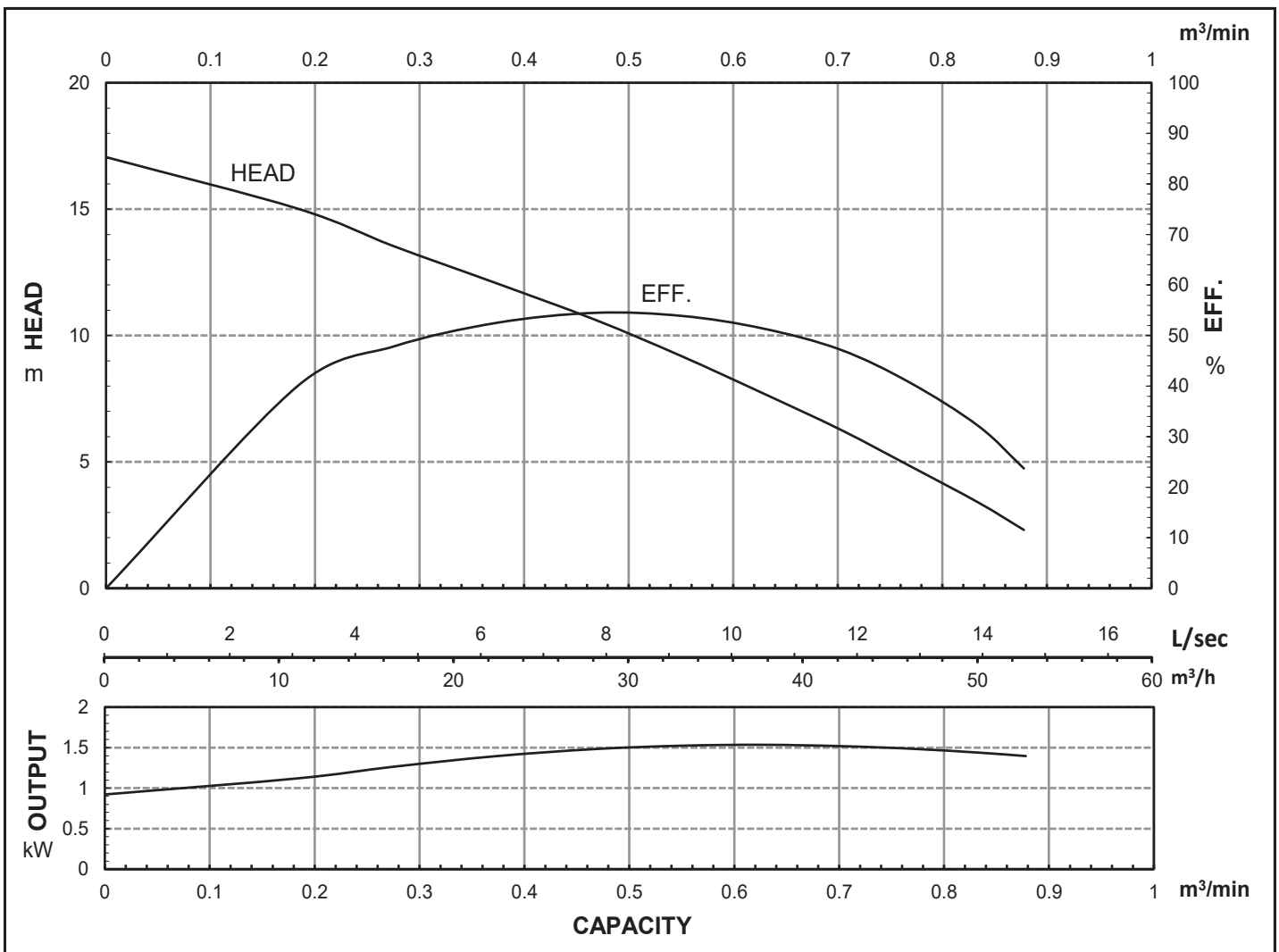


HCP PUMP

FILE NO. PC-M-E5-80HD21.53

PUMP PERFORMANCE CURVES

MODEL	80HD21.5					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	3	inch /		80	mm		
OUTPUT	2	HP /		1.5	HP	kW	
HEAD	10 m						
CAPACITY	0.5 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		6.1 A	3.6 A	3.4 A	3.4 A	2.7 A	A
POLE / rpm	2 P /		2800 rpm				
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

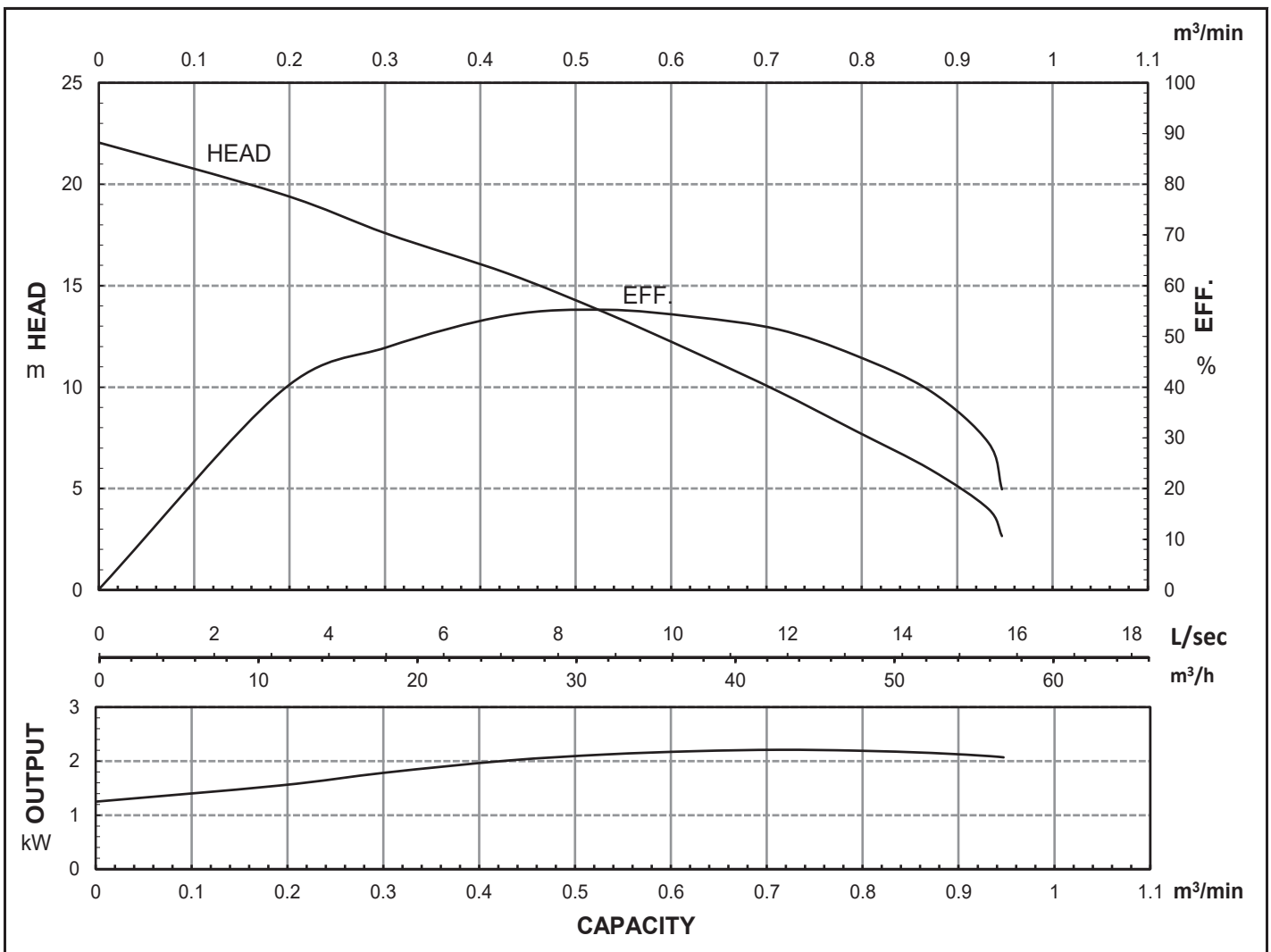


HCP PUMP

FILE NO. PC-M-E5-80HD22.21

PUMP PERFORMANCE CURVES

MODEL	80HD22.2					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50					Hz	
DISCHARGE	3	inch /		80	mm		
OUTPUT	3	HP /		2.2	kW		
HEAD	14					m	
CAPACITY	0.5					m ³ /min	
PHASE/VOLTAGE	1 Ø	220 V	230 V	240 V			Ø V
RATED CURRENT		15.0 A	14.6 A	14.6 A			A
POLE / rpm	2	P /		2820	rpm		
START METHOD	CAPACITOR						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

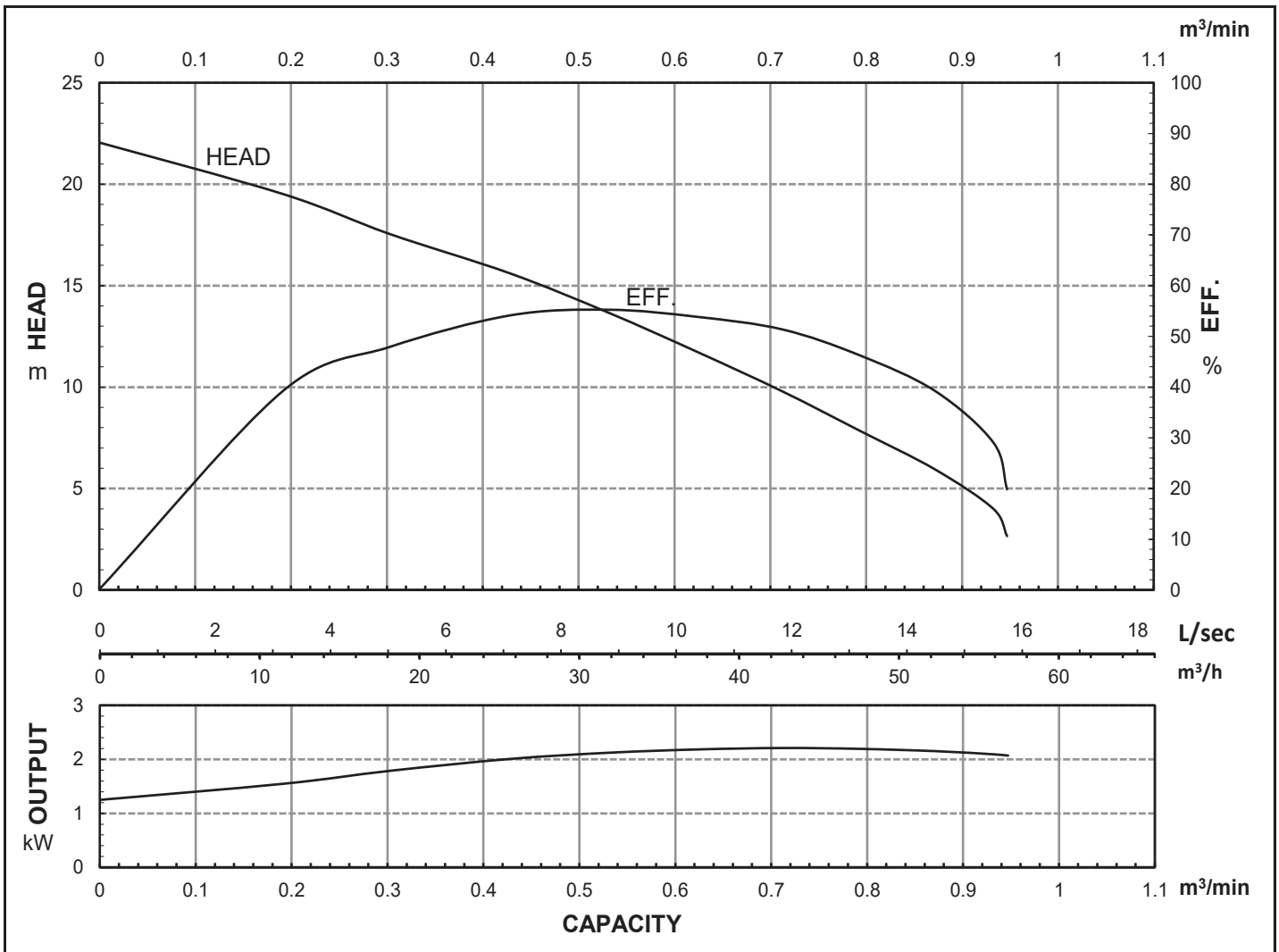


HCP PUMP

FILE NO. PC-M-E5-80HD22.23

PUMP PERFORMANCE CURVES

MODEL	80HD22.2					VER. NO. AI0711	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	3	inch	/	80	mm		
OUTPUT	3	HP	/	2.2	kW	HP	kW
HEAD	14 m						
CAPACITY	0.5 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		8.7 A	5.2 A	4.9 A	4.8 A	3.8 A	A
POLE / rpm	2 P / 2820 rpm						
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

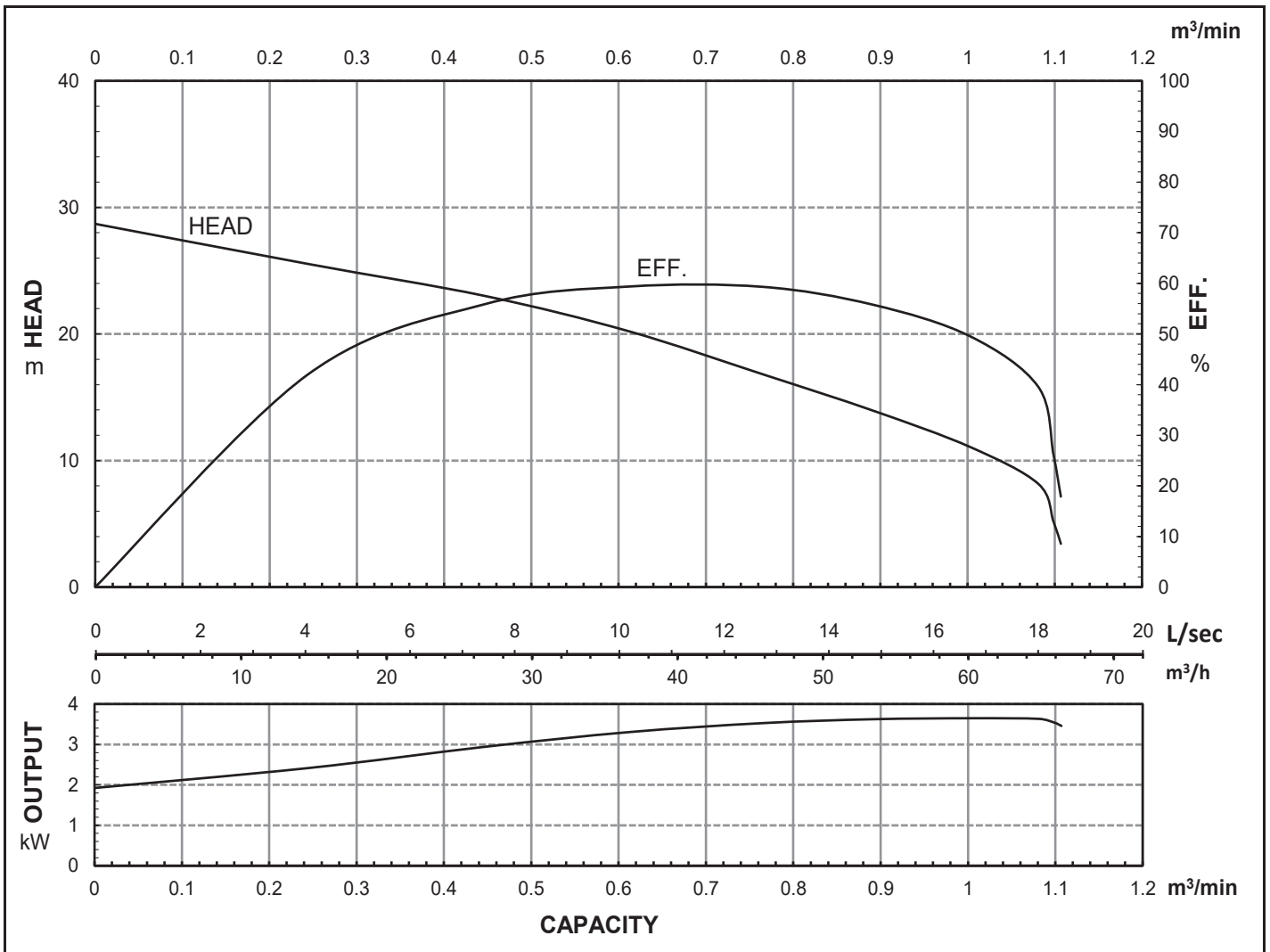


HCP PUMP

FILE NO. PC-M-E5-80HD23.73

PUMP PERFORMANCE CURVES

MODEL	80HD23.7					VER. NO. AI0711
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	50					Hz
DISCHARGE	3	inch	/	80	mm	
OUTPUT	5	HP	/	3.7	kW	HP kW
HEAD	22					m
CAPACITY	0.5					m ³ /min
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V
RATED CURRENT		14.3 A	8.3 A	7.9 A	7.9 A	6.3 A
POLE / rpm	2 P / 2800					rpm
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



HCP PUMP MANUFACTURER CO., LTD.

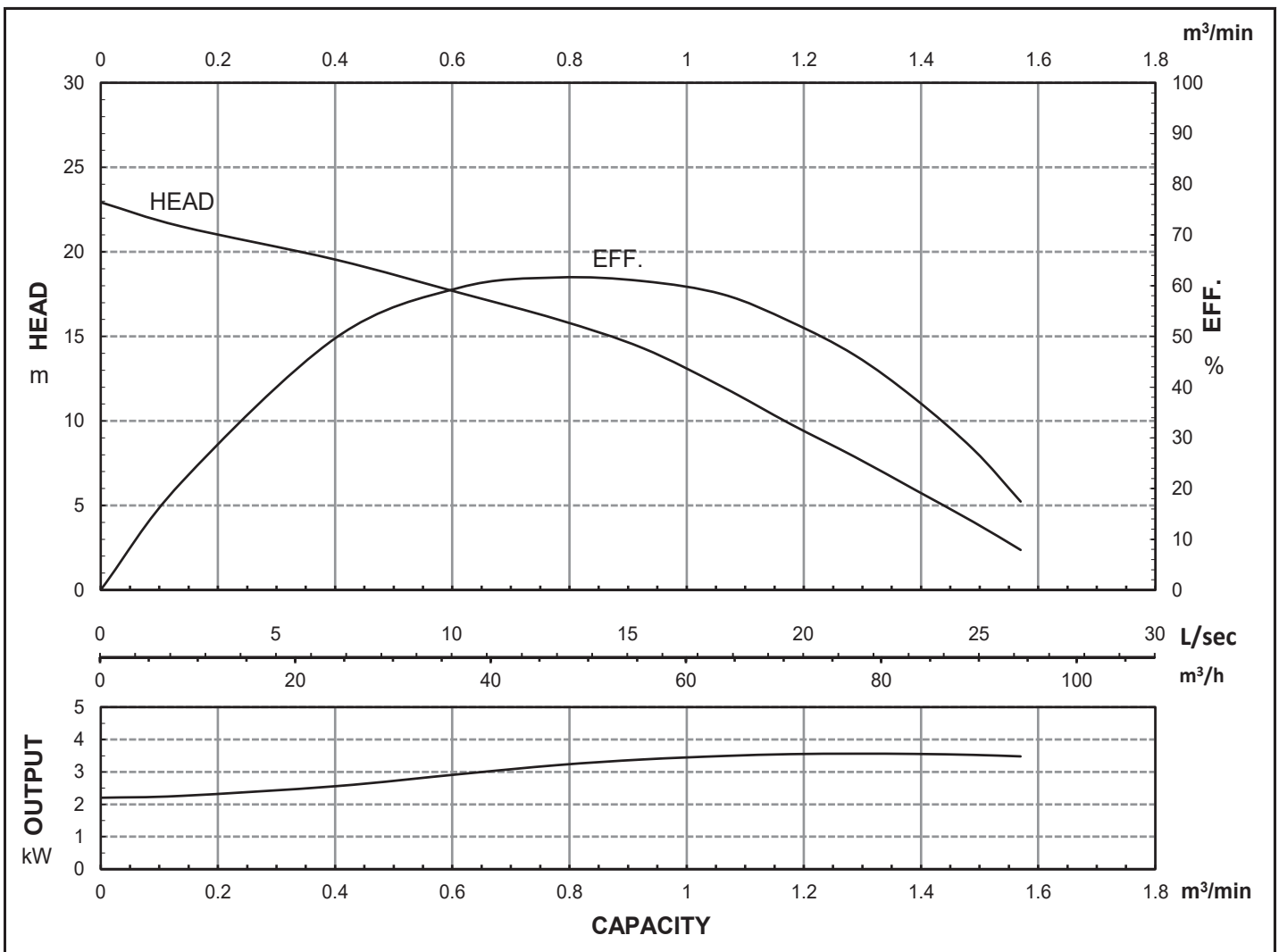


HCP PUMP

FILE NO. PC-M-E5-100HD23.73

PUMP PERFORMANCE CURVES

MODEL	100HD23.7					VER. NO. AI0711
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	50 Hz					
DISCHARGE	4	inch	/	100	mm	
OUTPUT	5	HP	/	3.7	kW	HP kW
HEAD	13 m					
CAPACITY	1 m ³ /min					
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V
RATED CURRENT		14.3 A	8.3 A	7.9 A	7.9 A	6.3 A
POLE / rpm	2	P	/	2800	rpm	
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



HCP PUMP MANUFACTURER CO., LTD.

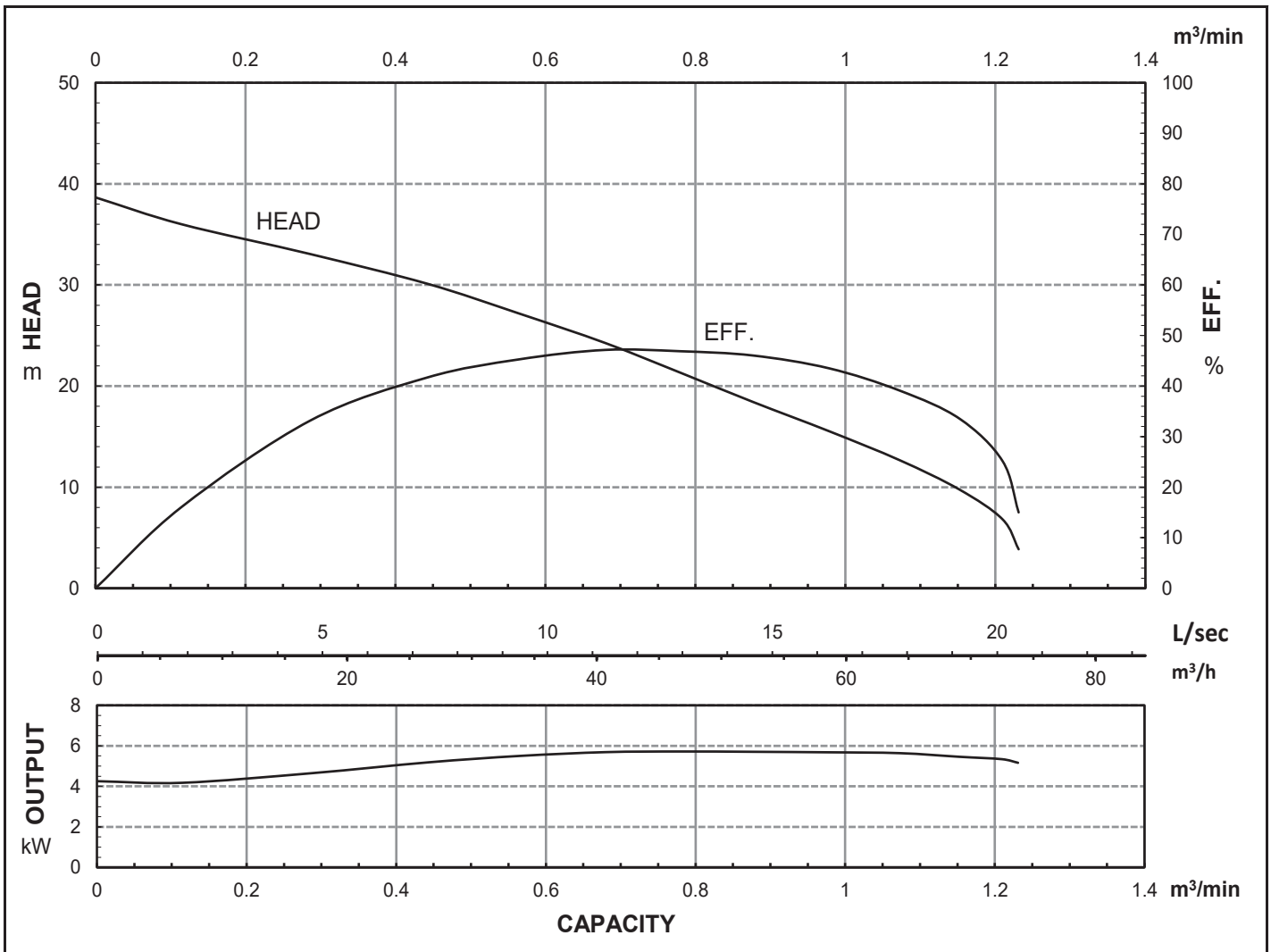


HCP PUMP

FILE NO. PC-M-E5-80HD25.53

PUMP PERFORMANCE CURVES

MODEL	80HD25.5						VER. NO. AI0925	
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION	
FREQUENCY	50						Hz	
DISCHARGE	3 inch		/ 80 mm					
OUTPUT	7.5 HP		/ 5.5 kW				HP kW	
HEAD	28						m	
CAPACITY	0.5						m ³ /min	
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø	V
RATED CURRENT		21.2 A	12.0 A	11.8 A	11.8 A	9.3 A		A
POLE / rpm	2 P		/ 2850 rpm					
START METHOD	DIRECT							
INSULATION CLASS	H							
REMARK								



HCP PUMP MANUFACTURER CO., LTD.

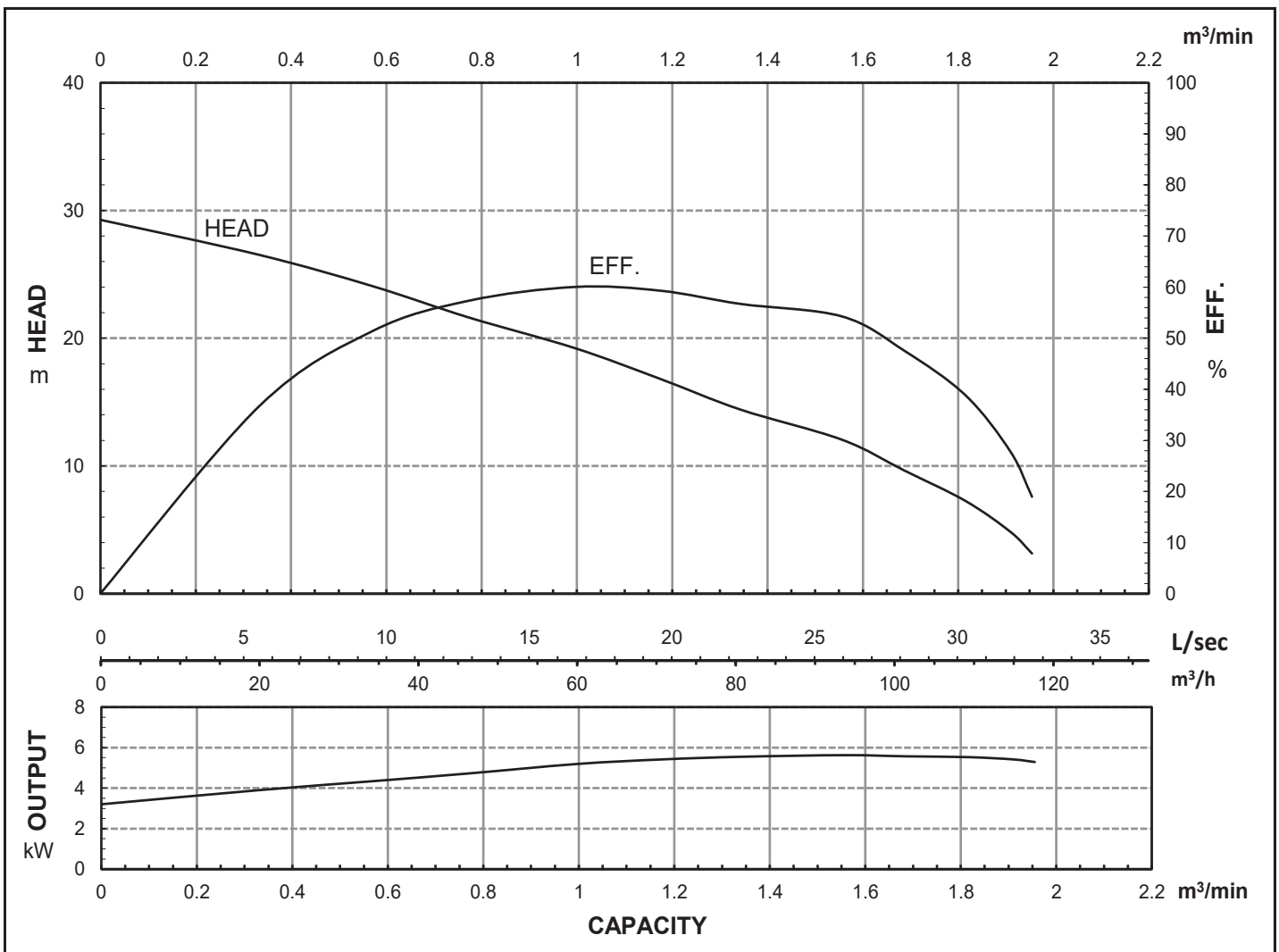


HCP PUMP

FILE NO. PC-M-E5-100HD25.53

PUMP PERFORMANCE CURVES

MODEL	100HD25.5					VER. NO. AI0925	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	4	inch /		100	mm		
OUTPUT	7.5	HP /		5.5	kW		
HEAD	19 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		21.2 A	12.0 A	11.8 A	11.8 A	9.3 A	A
POLE / rpm	2	P /		2850	rpm		
START METHOD	DIRECT						
INSULATION CLASS	H						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

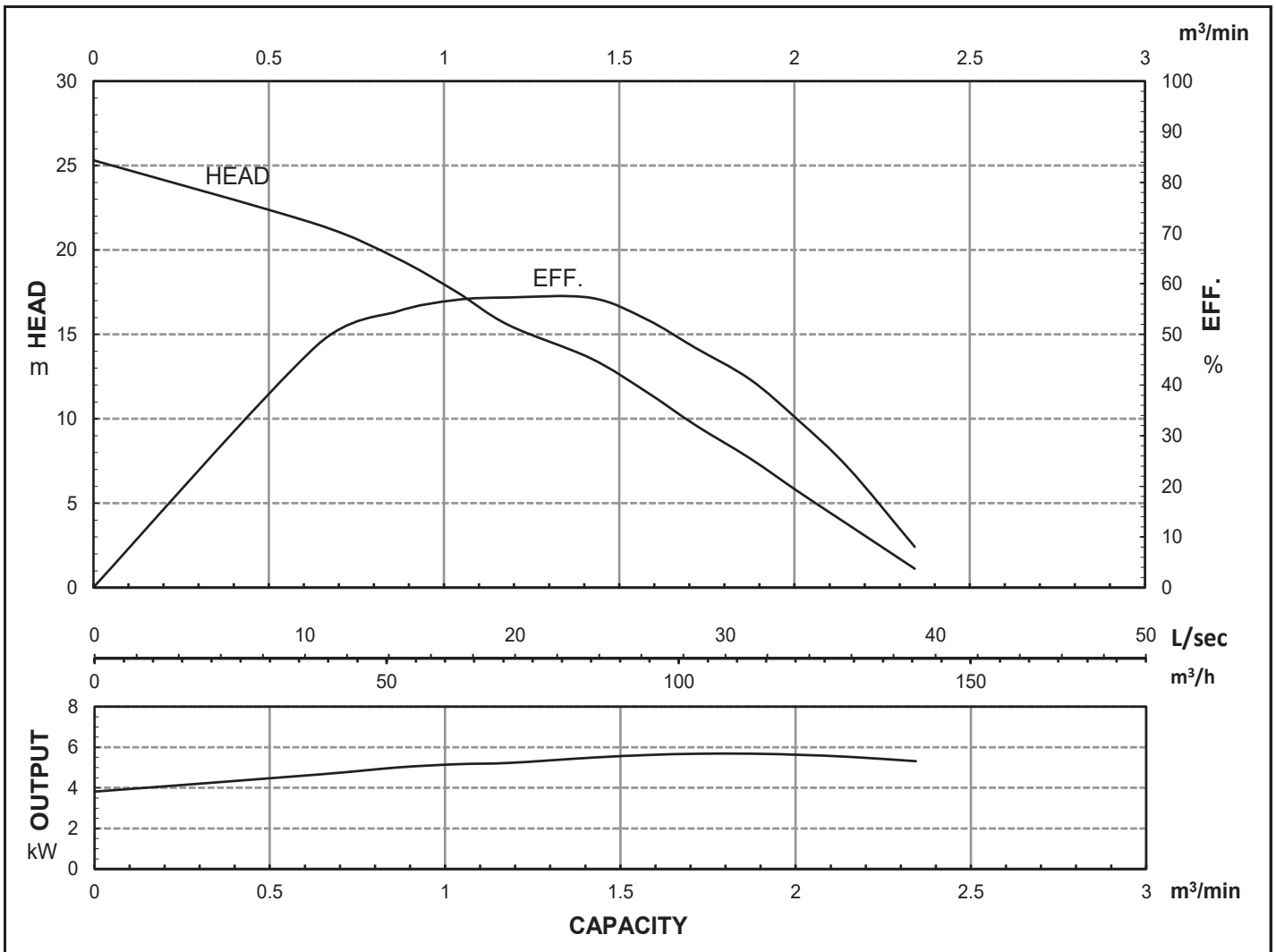


HCP PUMP

FILE NO. PC-M-E5-150HD25.53

PUMP PERFORMANCE CURVES

MODEL	150HD25.5					VER. NO. AI0925
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	50					Hz
DISCHARGE	6	inch	/	150	mm	
OUTPUT	7.5	HP	/	5.5	kW	HP kW
HEAD	12					m
CAPACITY	1.5					m ³ /min
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V
RATED CURRENT		21.2 A	12.0 A	11.8 A	11.8 A	9.3 A
POLE / rpm	2	P	/	2850	rpm	
START METHOD	DIRECT					
INSULATION CLASS	H					
REMARK						



HCP PUMP MANUFACTURER CO., LTD.

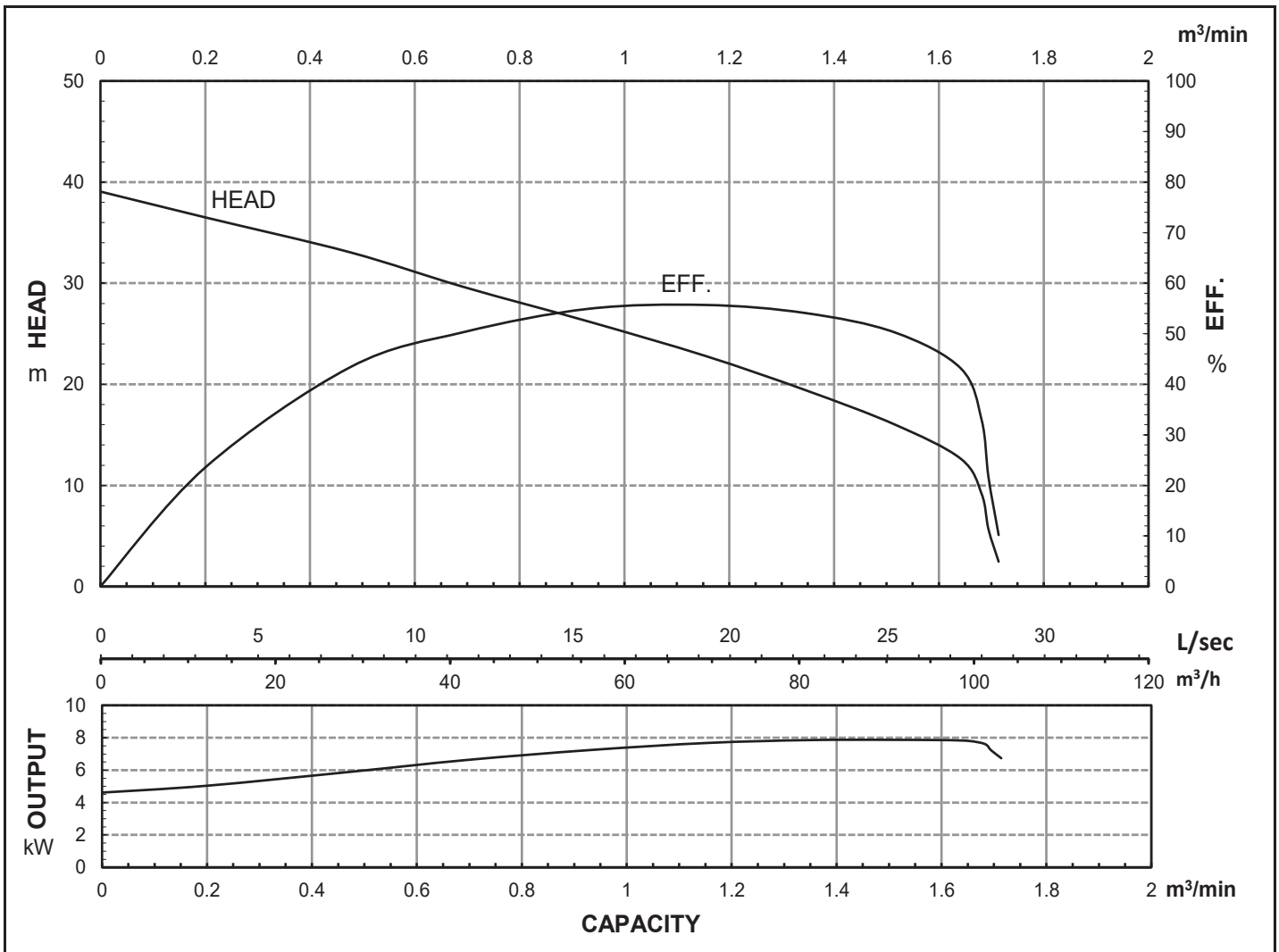


HCP PUMP

FILE NO. PC-M-E5-100HD27.53

PUMP PERFORMANCE CURVES

MODEL	100HD27.5					VER. NO. AI0925	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	4	inch /		100	mm		
OUTPUT	10	HP /		7.5	HP	kW	
HEAD	25 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		28.6 A	16.0 A	15.8 A	15.8 A	12.6 A	A
POLE / rpm	2 P /		2850 rpm				
START METHOD	DIRECT						
INSULATION CLASS	H						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

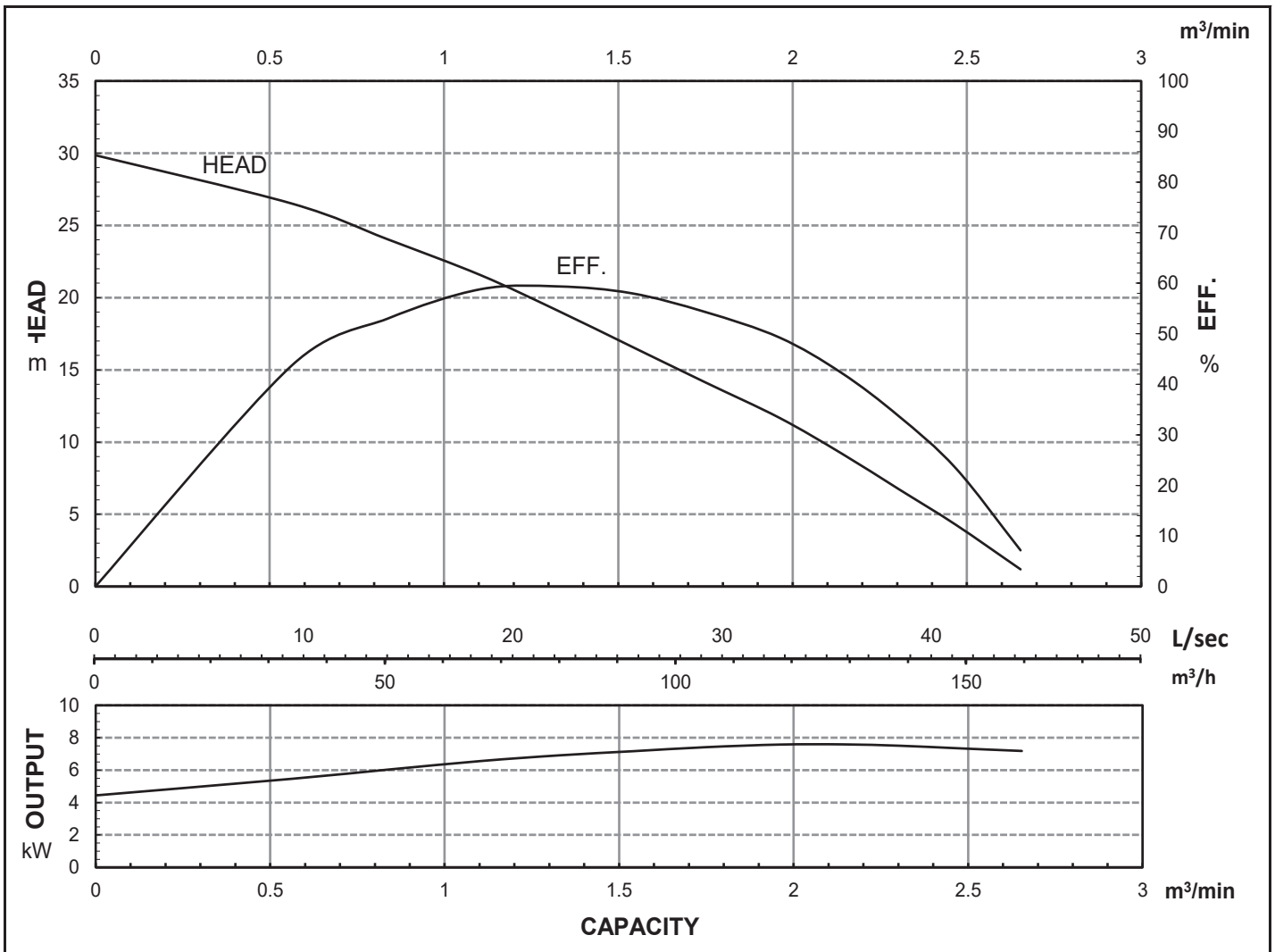


HCP PUMP

FILE NO. PC-M-E5-150HD27.53

PUMP PERFORMANCE CURVES

MODEL	150HD27.5						VER. NO. AI0925	
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION	
FREQUENCY	50						Hz	
DISCHARGE	6 inch		/ 150 mm					
OUTPUT	10 HP		/ 7.5 kW				HP	kW
HEAD	17						m	
CAPACITY	1.5						m ³ /min	
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø	V
RATED CURRENT		28.6 A	16.0 A	15.8 A	15.8 A	12.6 A		A
POLE / rpm	2 P		/ 2850 rpm					
START METHOD	DIRECT							
INSULATION CLASS	H							
REMARK								



HCP PUMP MANUFACTURER CO., LTD.

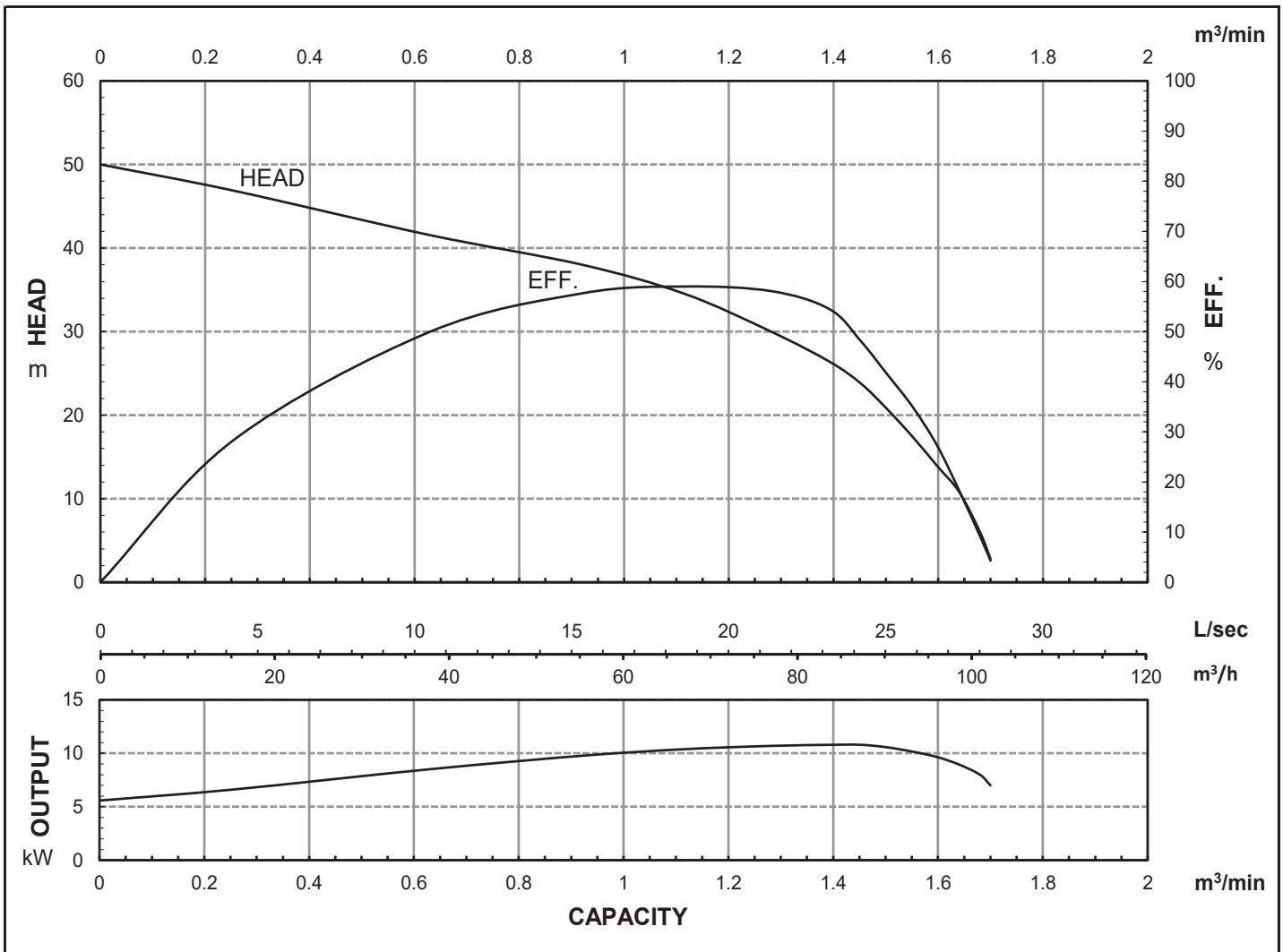


HCP PUMP

FILE NO. PC-M-E5-100HD2113

PUMP PERFORMANCE CURVES

MODEL	100HD211					VER. NO. AI0924	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	4	inch /			100	mm	
OUTPUT	15	HP /			11	kW	
HEAD	36 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		39.6 A	22.2 A	21.8 A	21.8 A	17.4 A	A
POLE / rpm	2	P /			2900	rpm	
START METHOD	DIRECT						
INSULATION CLASS	H						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

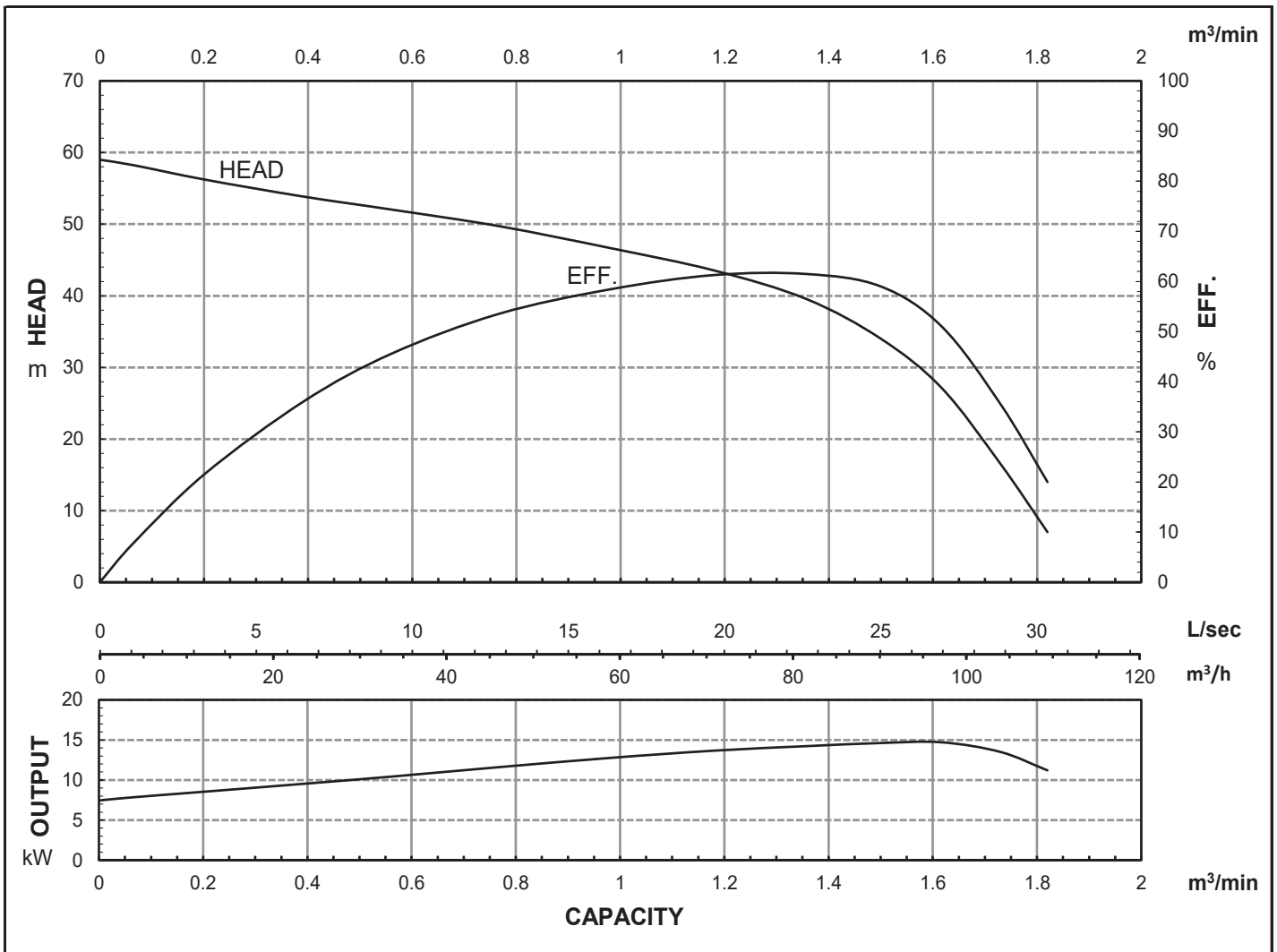


HCP PUMP

FILE NO. PC-M-E5-100HD2153

PUMP PERFORMANCE CURVES

MODEL	100HD215					VER. NO. AI0723	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	50 Hz						
DISCHARGE	4	inch /		100	mm		
OUTPUT	20	HP /		15	HP	kW	
HEAD	46 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V	Ø V
RATED CURRENT		52.0 A	29.2 A	28.6 A	28.6 A	22.8 A	A
POLE / rpm	2	P /		2900	rpm		
START METHOD	DIRECT						
INSULATION CLASS	H						
REMARK							



HCP PUMP MANUFACTURER CO., LTD.

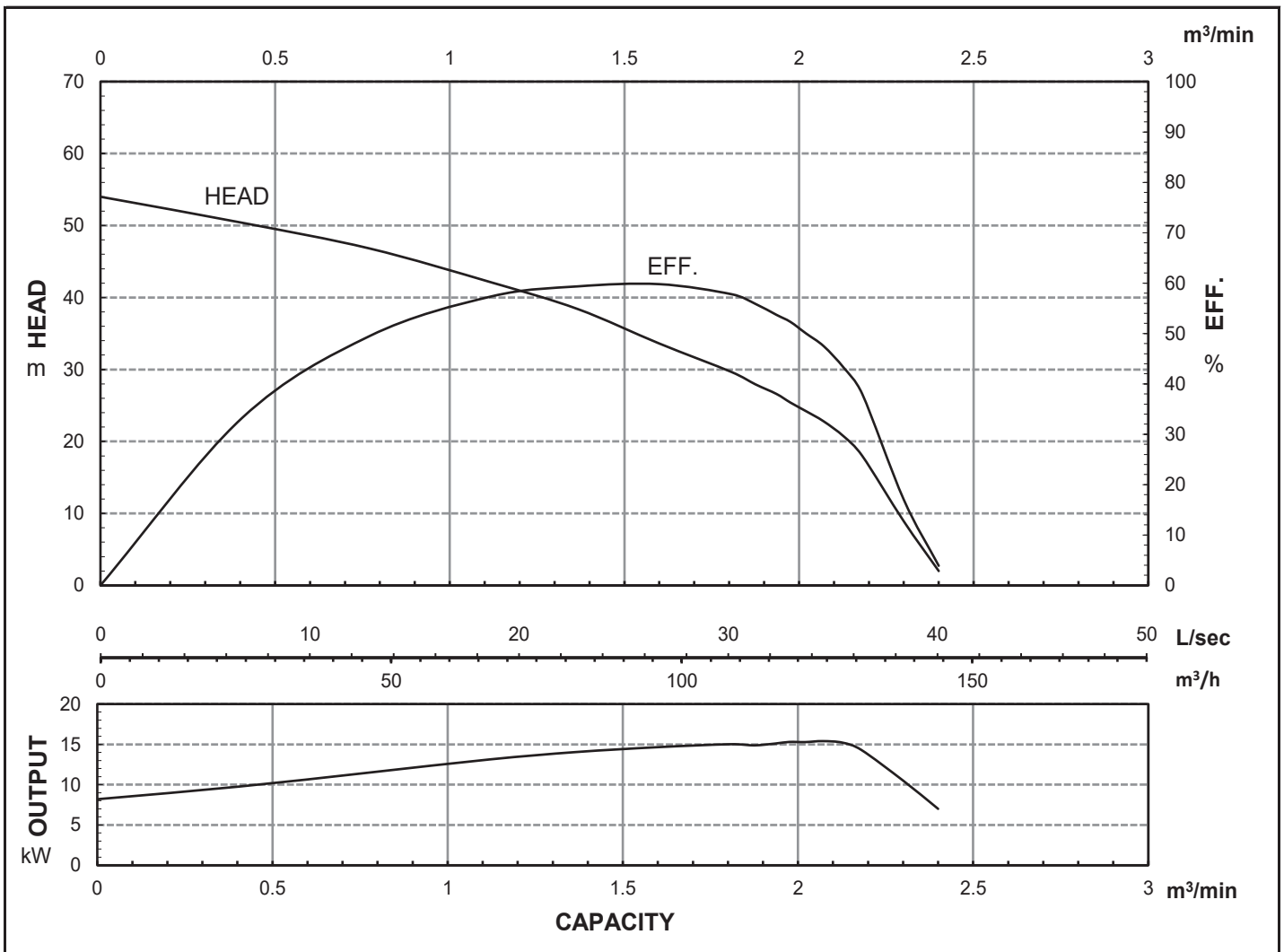


HCP PUMP

FILE NO. PC-M-E5-150HD2153

PUMP PERFORMANCE CURVES

MODEL	150HD215					VER. NO. A10711
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	50 Hz					
DISCHARGE	6 inch / 150 mm					
OUTPUT	20 HP / 15 kW					HP kW
HEAD	35 m					
CAPACITY	1.5 m ³ /min					
PHASE/VOLTAGE	3 Ø	230 V	380 V	400 V	415 V	525 V
RATED CURRENT		52.0 A	29.2 A	28.6 A	28.6 A	22.8 A
POLE / rpm	2 P / 2900 rpm					
START METHOD	DIRECT					
INSULATION CLASS	H					
REMARK						



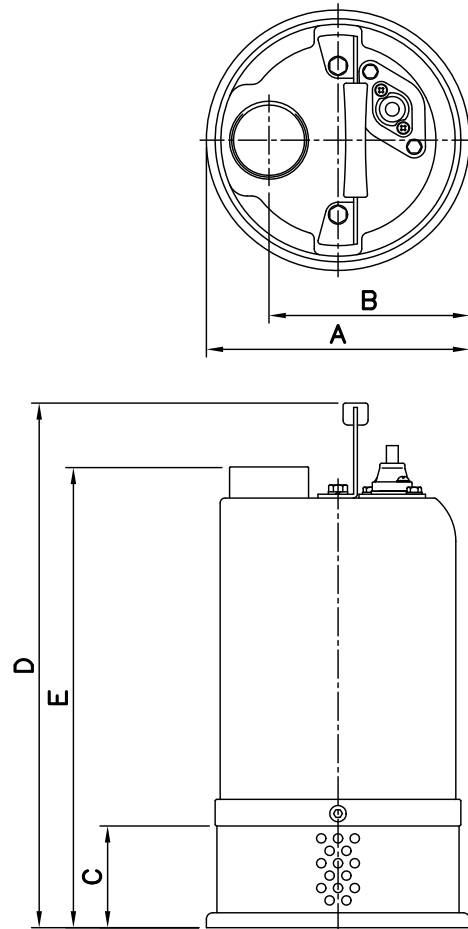
HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS

NO: S2HD0211032-00

MODEL: 50HD21.1

1Ø / 3Ø



Pump	
Female Thread	
PF	NPT

Model		DN	A	B	C	D	E	WT1
50HD21.1	1Ø	50	210	160	85	482	431	28
50HD21.1	3Ø	50	210	160	85	423	372	24

Model		DN	A	B	C	D	E	WT1
50HD21.1	1Ø	2	8 1/4	6 5/16	3 3/8	19	16 15/16	62
50HD21.1	3Ø	2	8 1/4	6 5/16	3 3/8	16 5/8	14 5/8	53

L.W.L.:Lowest Running Water Level

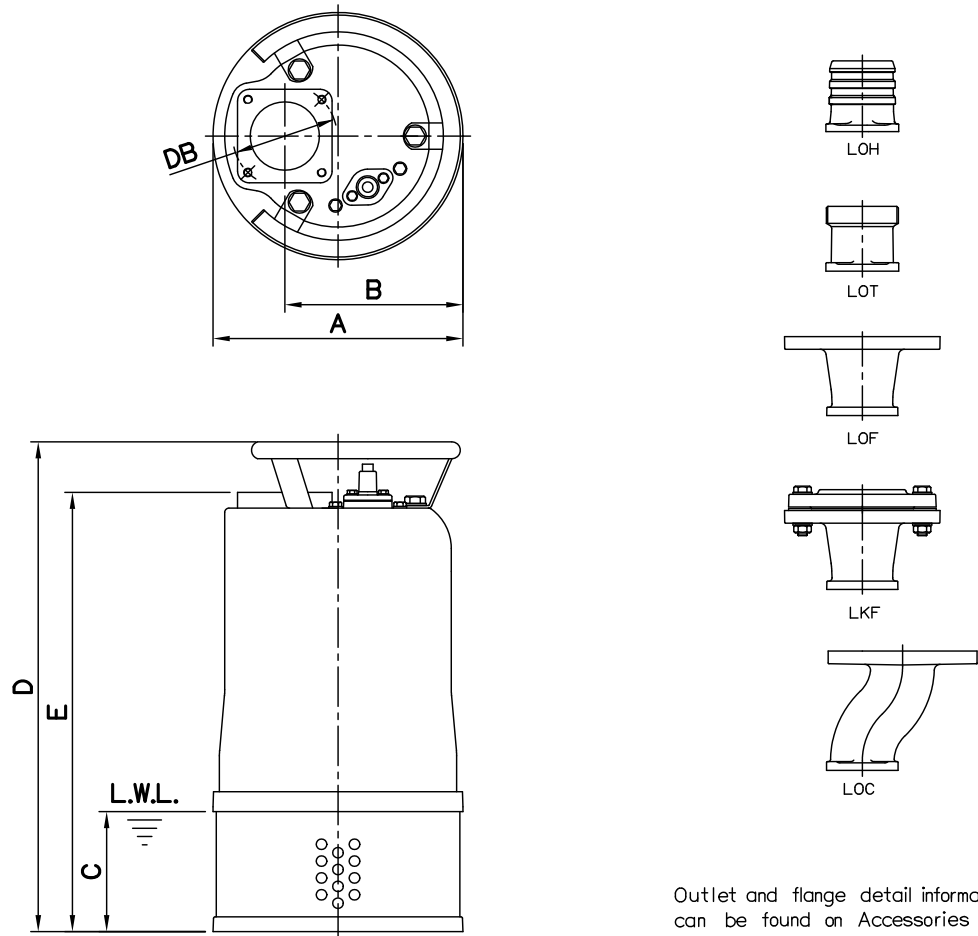
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

NO: S4HD0237030-00

MODEL: 50HD21.5 / 22.2 & 80HD21.5 / 22.2 / 23.7 & 100HD23.7

50Hz 1Ø / 3Ø



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

Dimensions-mm

Weight:kg

Model	A	B	C	D	E	DB	WT1	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
50HD21.5 1Ø	235	168	115	511	465	98	40	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD21.5 3Ø	235	168	115	466	421	98	36	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD22.2 1Ø	235	168	115	541	496	98	44	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD22.2 3Ø	235	168	115	466	421	98	39	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
80HD21.5 1Ø	235	168	115	511	465	98	40	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD21.5 3Ø	235	168	115	466	421	98	36	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2 1Ø	235	168	115	541	496	98	45	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2 3Ø	235	168	115	466	421	98	39	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD23.7 3Ø	235	168	115	496	451	98	44	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
100HD23.7 3Ø	235	168	130	511	465	98	44	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-

Dimensions-inch

Weight:lb

Model	A	B	C	D	E	DB	WT1	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
50HD21.5 1Ø	9 3/4	6 5/8	4 1/2	20 1/8	18 3/16	3 7/8	88	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD21.5 3Ø	9 3/4	6 5/8	4 1/2	18 3/8	16 3/16	3 7/8	79	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD22.2 1Ø	9 3/4	6 5/8	4 1/2	21 1/16	19 1/2	3 7/8	97	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD22.2 3Ø	9 3/4	6 5/8	4 1/2	18 3/8	16 3/16	3 7/8	86	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
80HD21.5 1Ø	9 3/4	6 5/8	4 1/2	20 1/8	18 3/16	3 7/8	88	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD21.5 3Ø	9 3/4	6 5/8	4 1/2	18 3/8	16 3/16	3 7/8	79	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2 1Ø	9 3/4	6 5/8	4 1/2	21 1/16	19 1/2	3 7/8	99	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2 3Ø	9 3/4	6 5/8	4 1/2	18 3/8	16 3/16	3 7/8	86	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD23.7 3Ø	9 3/4	6 5/8	4 1/2	19 1/2	17 3/4	3 7/8	97	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
100HD23.7 3Ø	9 3/4	6 5/8	5 1/8	20 1/8	18 3/16	3 7/8	97	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-

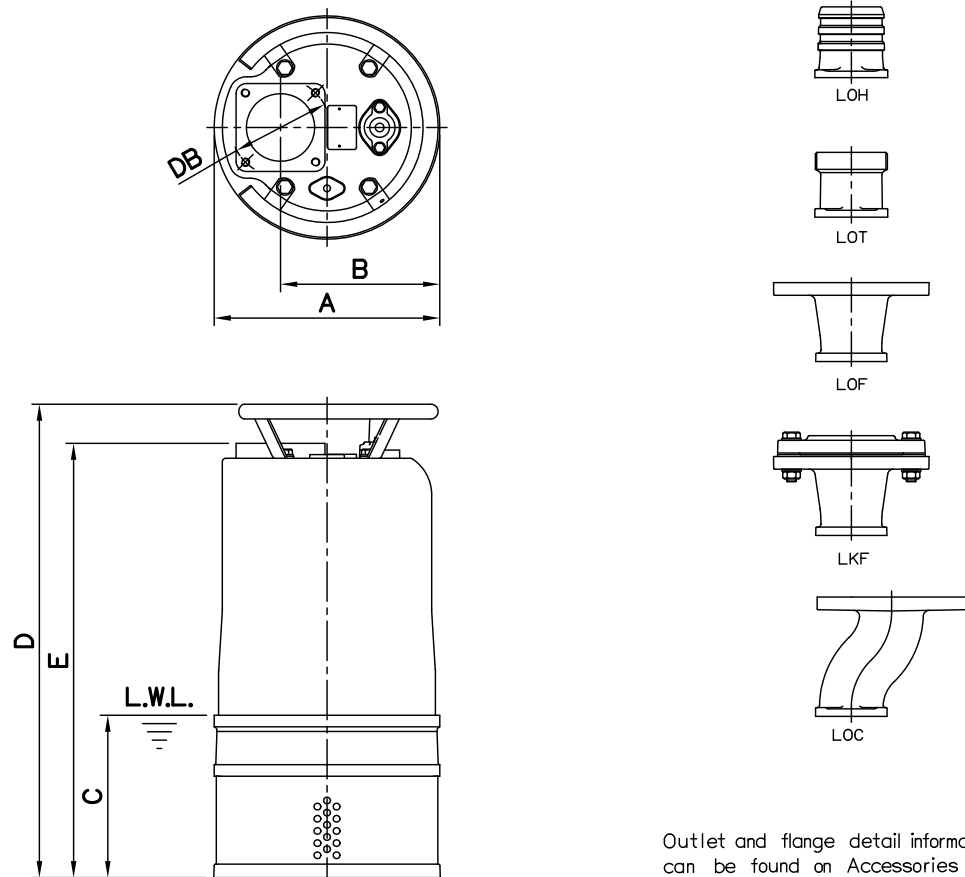
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)

DIMENSIONS

NO: S6HD02A5030-01

MODEL: 80HD25.5 & 100HD25.5 / 27.5 / 211 / 215 & 150HD25.5 / 27.5 / 215 50Hz 3Ø



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

Dimensions—mm

Weight:kg

Model	A	B	C	D	E	DB	WT1	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80HD25.5	286	206	130	610	550	127	72	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	286	206	130	610	550	127	75	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD25.5	286	206	130	610	550	127	78	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD27.5	286	206	130	610	550	127	80	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	286	206	130	610	550	127	81	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD211	330	233	200	700	642	145	125	LOH4-145	LOT4-145	-	-	LOC4-175*145
100HD215	330	233	200	700	642	145	134	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD215	330	233	200	700	642	145	133	LOH6-145	LOT6-145	-	-	LOC6-240*145

Dimensions—inch

Weight:lb

Model	A	B	C	D	E	DB	WT1	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80HD25.5	11¼	8⅜	5½	24	21⅝	5	159	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	11¼	8⅜	5½	24	21⅝	5	165	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD25.5	11¼	8⅜	5½	24	21⅝	5	172	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD27.5	11¼	8⅜	5½	24	21⅝	5	176	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	11¼	8⅜	5½	24	21⅝	5	179	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD211	13	9⅜	7⅞	27⅞	25¼	5⅜	276	LOH4-145	LOT4-145	-	-	LOC4-175*145
100HD215	13	9⅜	7⅞	27⅞	25¼	5⅜	295	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD215	13	9⅜	7⅞	27⅞	25¼	5⅜	293	LOH6-145	LOT6-145	-	-	LOC6-240*145

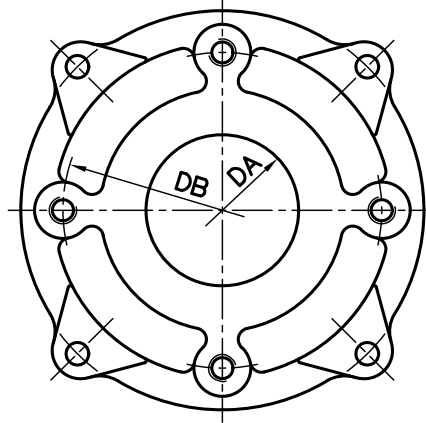
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)

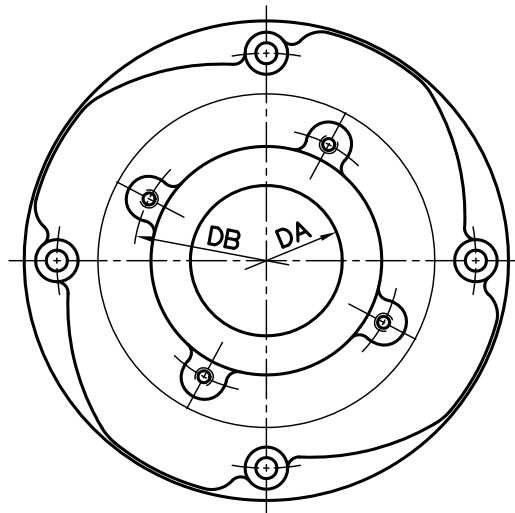
DIMENSIONS

NO: SOHD0000001-01

MODEL: Casing & Casing cover



Application Model	Dimensions-mm		Dimensions-inch		Drilling
	DA	DB	DA	DB	
80HD21.5	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12
80HD22.2	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12
80HD23.7	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12
100HD23.7	80	150	3	6	M12
100HD25.5	87	150	3 ⁷ / ₁₆	6	M12
100HD27.5	87	150	3 ⁷ / ₁₆	6	M12
150HD27.5	97	175	3 ¹³ / ₁₆	7	M12



Application Model	Dimensions-mm		Dimensions-inch		Drilling
	DA	DB	DA	DB	
100HD211	100	175	4	7	M12
100HD215	100	175	4	7	M12
150HD215	100	175	4	7	M12

HD Casing (2HP~10HP)

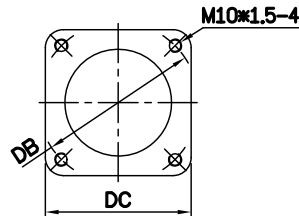
HD Casing Cover (15HP~20HP)

DIMENSIONS

NO: SOHD000000-00

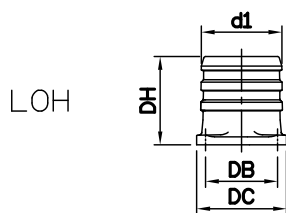
MODEL: Outlet (2"~6")

OUTLET CONNECTION

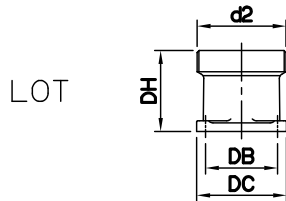


Model	mm		inch	
	DB	DC	DB	DC
1.5~3.7kW	98	89	3 7/8	3 1/2
5.5~7.5kW	127	112	5	4 1/2

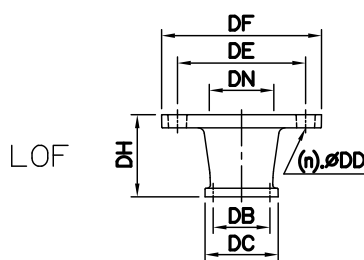
OPTIONAL OUTLET ACCESSORIES



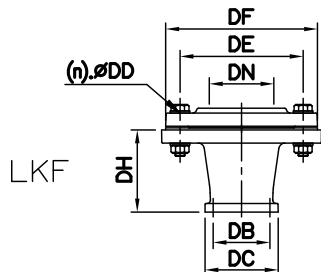
LOH	Dimensions-mm				kg	Dimensions-inch				lb
	d1	DB	DC	DH		d1	DB	DC	DH	
LOH2-98	50	98	89	80	1	2	3 7/8	3 1/2	3 1/8	2
LOH3-98	80	98	89	100	2	3	3 7/8	3 1/2	3 15/16	4
LOH3-127	80	127	112	110	2	3	5	4 7/16	4 5/16	4
LOH4-98	100	98	89	115	2	4	3 7/8	3 1/2	4 1/2	4
LOH4-127	100	127	112	110	3	4	5	4 7/16	4 5/16	7
LOH6-127	150	127	112	172	5	6	5	4 7/16	6 3/4	11
LOH4-145	100	145	130	120	3	4	5 15/16	5 1/8	4 3/4	7
LOH6-145	150	145	130	175	5	6	5 15/16	5 1/8	6 7/8	11



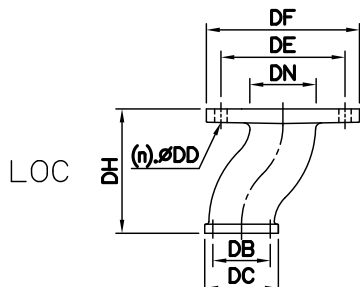
LOT	Dimensions-mm				kg	Dimensions-inch				lb	Thread Available		
	d2	DB	DC	DH		d2	DB	DC	DH		Weight	PF	PT
LOT2-98	50	98	89	80	1	2	3 7/8	3 1/2	3 1/8	2	PF	PT	NPT
LOT3-98	80	98	89	80	2	3	3 7/8	3 1/2	3 1/8	4	PF	PT	NPT
LOT3-127	80	127	112	85	2	3	5	4 7/16	3 3/8	4	PF	PT	NPT
LOT4-98	100	98	89	100	2	4	3 7/8	3 1/2	3 15/16	4	PF	PT	NPT
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
LOT4-145	100	145	130	100	3	4	5 15/16	5 1/8	3 15/16	7	PF	PT	NPT
LOT6-145	150	145	130	150	5	6	5 15/16	5 1/8	5 1/8	11	PF	PT	NPT



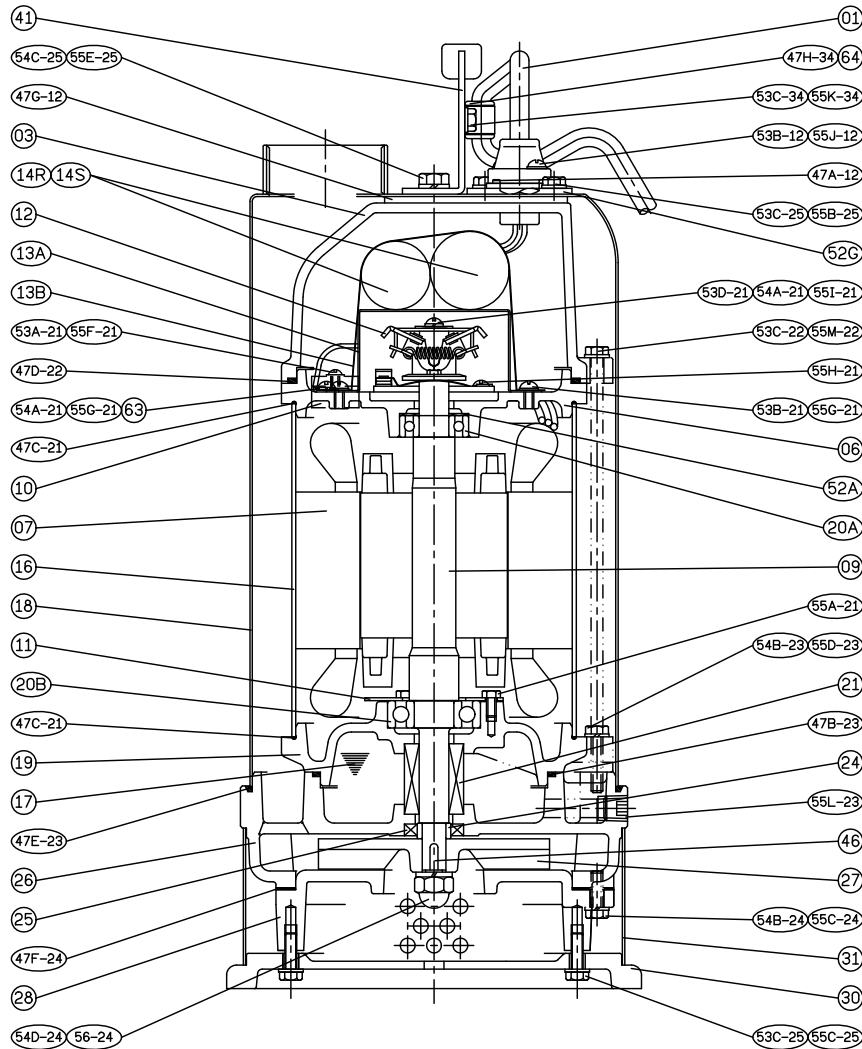
LOF	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		Weight	DN	DB	DC	DD	DE	DF		
LOF2-120~125*98	50	98	89	19	120~125	160	90	3	2	3 7/8	3 1/2	3/4	4 3/4~4 15/16	6 5/16	3 3/16	7	4
LOF3-150~160*98	80	98	89	19	150~160	195	100	4	3	3 7/8	3 1/2	3/4	5 3/4~6 5/16	7 1/16	3 15/16	9	8
LOF3-150~160*127	80	127	112	19	150~160	195	110	7	3	5	4 7/16	3/4	5 3/4~6 5/16	7 1/16	4 5/16	15	8
LOF4-175~190*98	100	98	89	19	175~190	225	100	6	4	3 7/8	3 1/2	3/4	6 7/8~7 1/2	8 7/8	3 15/16	13	8
LOF4-175~190*127	100	127	112	19	175~190	225	110	10	4	5	4 7/16	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	7/8	9 1/16	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
LKF2-120*98	50	98	89	15	120	155	90	5	2	3 7/8	3 1/2	9/16	4 3/4	6 1/8	3 3/16	11	4	PT	NPT
LKF3-150*98	80	98	89	15	150	185	100	8	3	3 7/8	3 1/2	9/16	5 3/4	7 3/16	3 3/16	18	8	PT	NPT
LKF3-150*127	80	127	112	15	150	185	110	8	3	5	4 7/16	9/16	5 3/4	7 5/16	4 5/16	15	8	PT	NPT
LKF4-175*98	100	98	89	15	175	210	100	10	4	3 7/8	3 1/2	9/16	6 7/8	8 3/4	3 15/16	22	8	PT	NPT
LKF4-175*127	100	127	112	15	175	210	110	10	4	5	4 7/16	9/16	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	7/8	9 1/16	11	5 1/2	44	8	PT	NPT

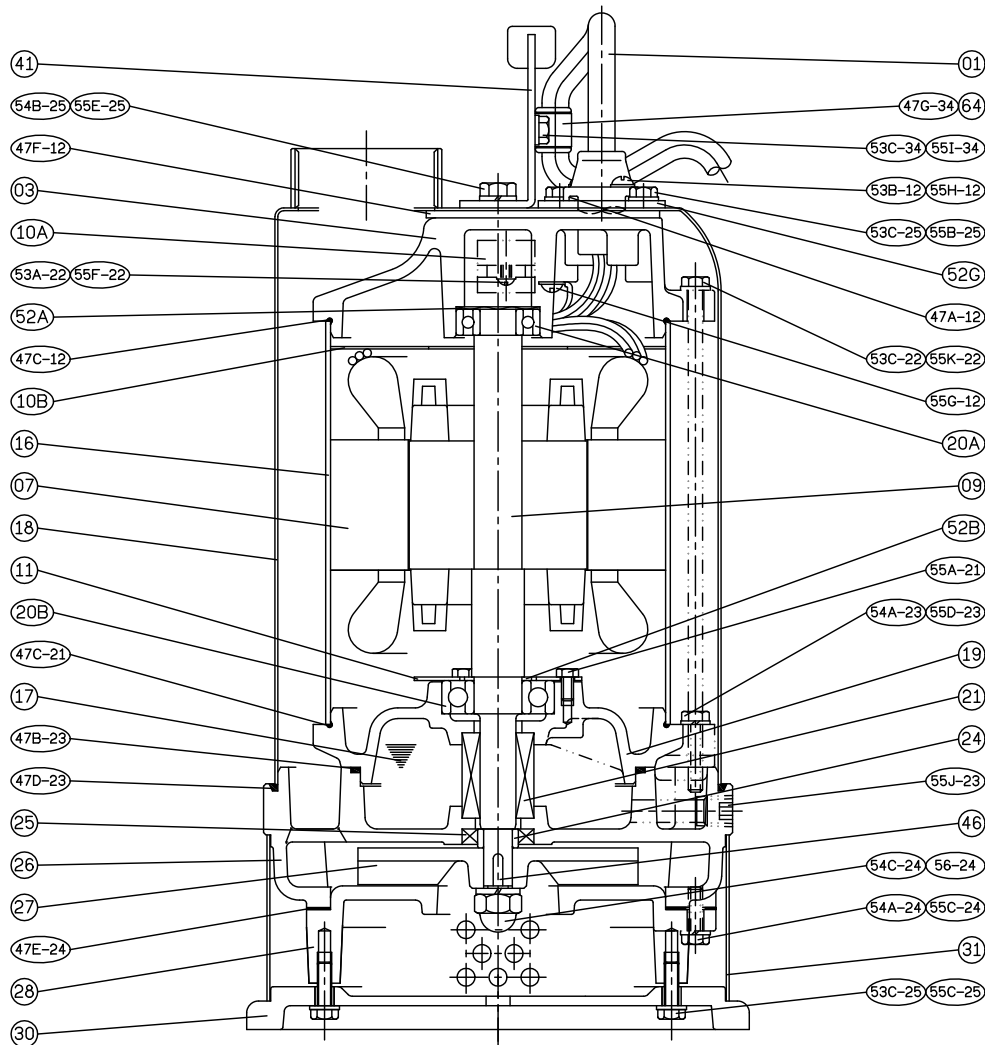


LOC	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		Weight	DN	DB	DC	DD	DE	DF		
LOC3-150*98	80	98	89	15	150	185	150	5	3	3 7/8	3 1/2	9/16	5 3/4	7 3/16	5 3/4	11	8
LOC3-150*127	80	127	112	15	150	185	180	6	3	5	4 7/16	9/16	5 3/4	7 5/16	7 1/16	13	8
LOC4-175*145	100	145	130	15	175	220	200	9	4	5 15/16	5 1/8	9/16	6 7/8	8 15/16	7 7/8	20	8
LOC6-240*145	150	145	130	23	240	280	240	13	6	5 15/16	5 1/8	7/8	9 1/16	11	9 1/16	29	8



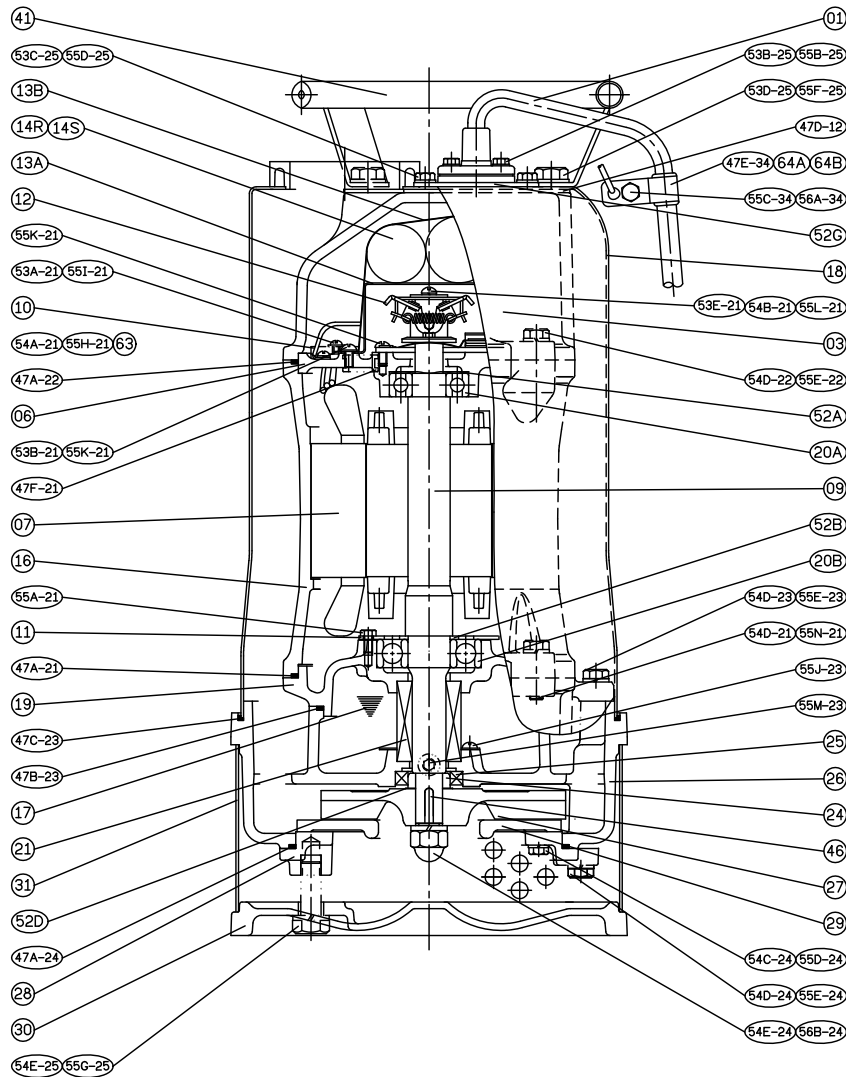
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
06	Bracket	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10	Auto-cut Protector		1	
11	Bearing fixer	SPCC	1	
12	Centrifugal switch		1	
14R	Capacitor		1	
14S	Start capacitor		1	
16	Motor frame	SUS304	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	

No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FCD700	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304+NBR	1	
46	Impeller key	SUS304	1	
47	Gasket			



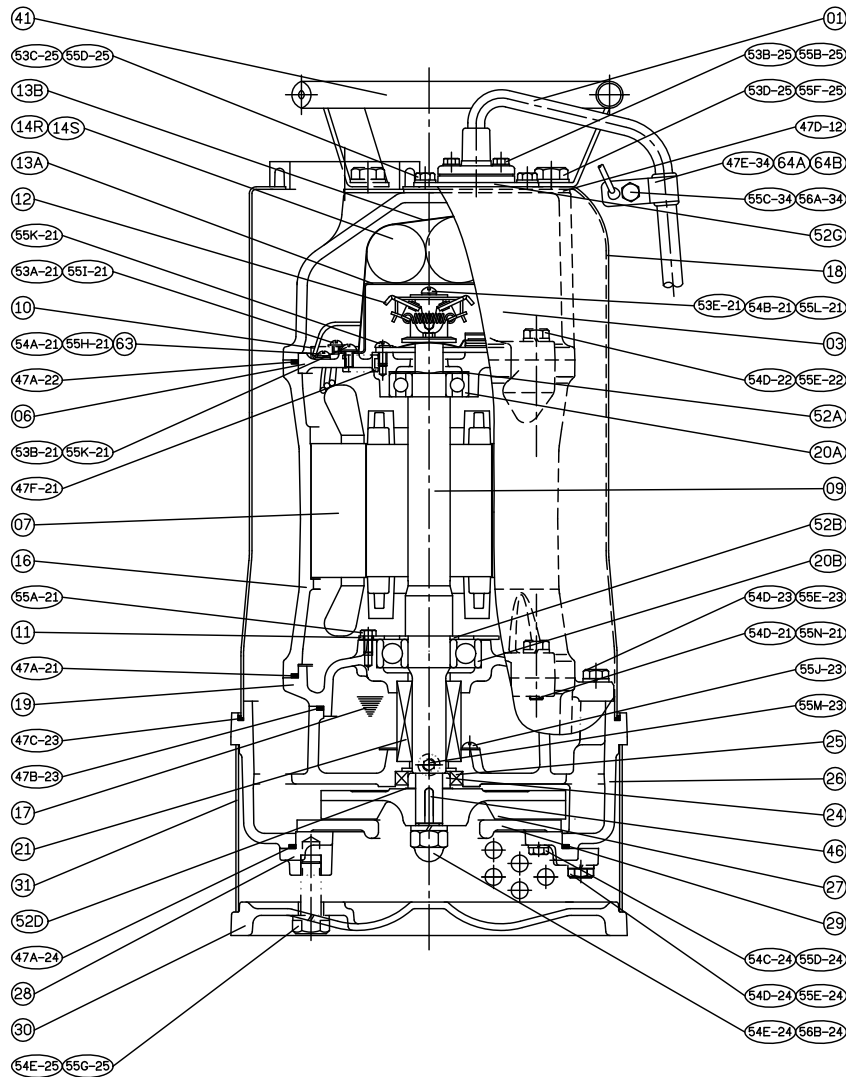
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10A	Auto-cut Protector		1	
10B	Protective Plate		1	
11	Bearing fixer	SPCC	1	
16	Motor frame	SUS304	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	
20A	Bearing		1	
20B	Bearing		1	

No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FCD700	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304+NBR	1	
46	Impeller key	SUS304	1	
47	Gasket			



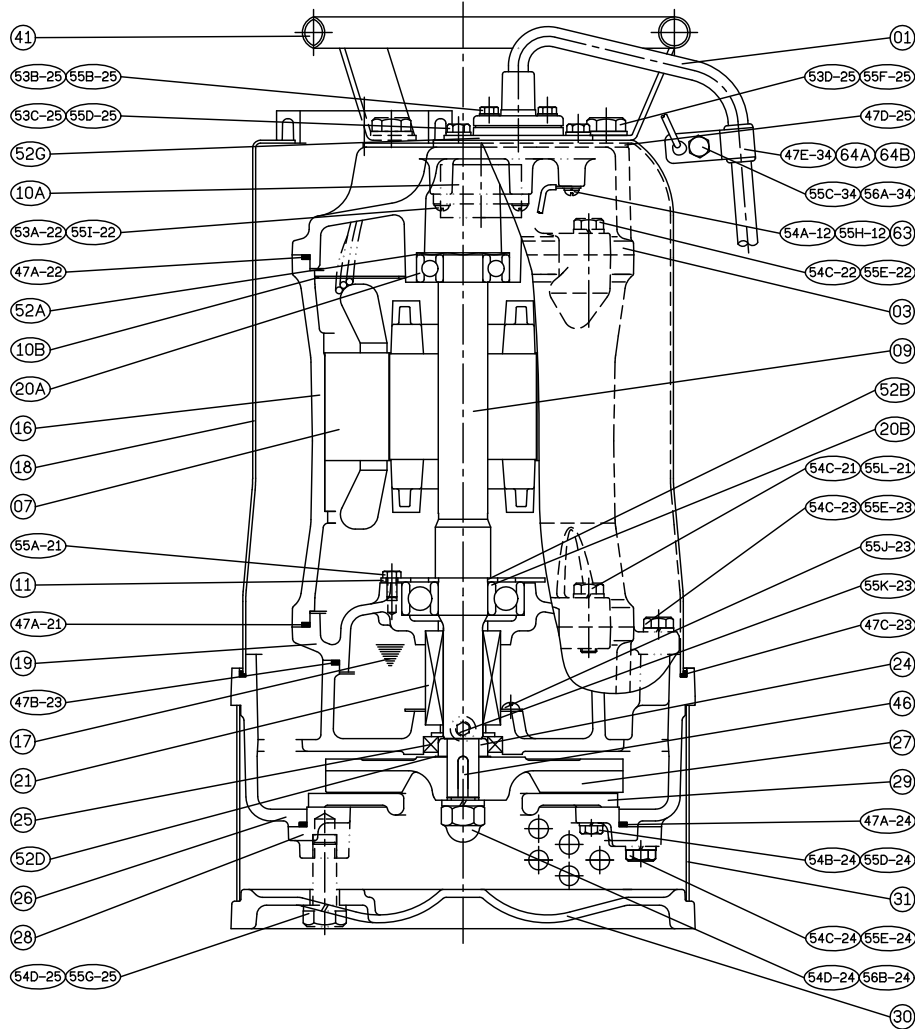
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
06	Bracket	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10	Auto-cut Protector		1	
11	Bearing fixer	SPCC	1	
12	Centrifugal switch		1	
14R	Capacitor		1	
14S	Start capacitor		1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	

No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



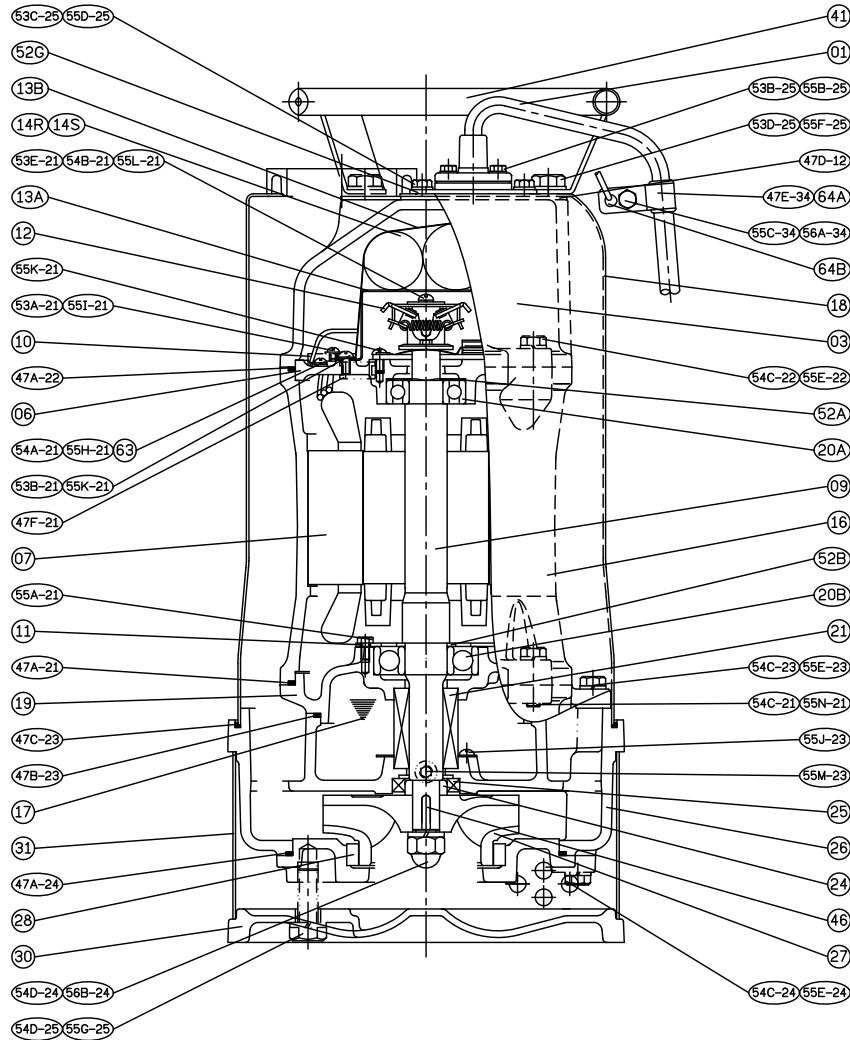
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
06	Bracket	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10	Auto-cut Protector		1	
11	Bearing fixer	SPCC	1	
12	Centrifugal switch		1	
14R	Capacitor		1	
14S	Start capacitor		1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	

No.	Part name	Material	QTY	Remark
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	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



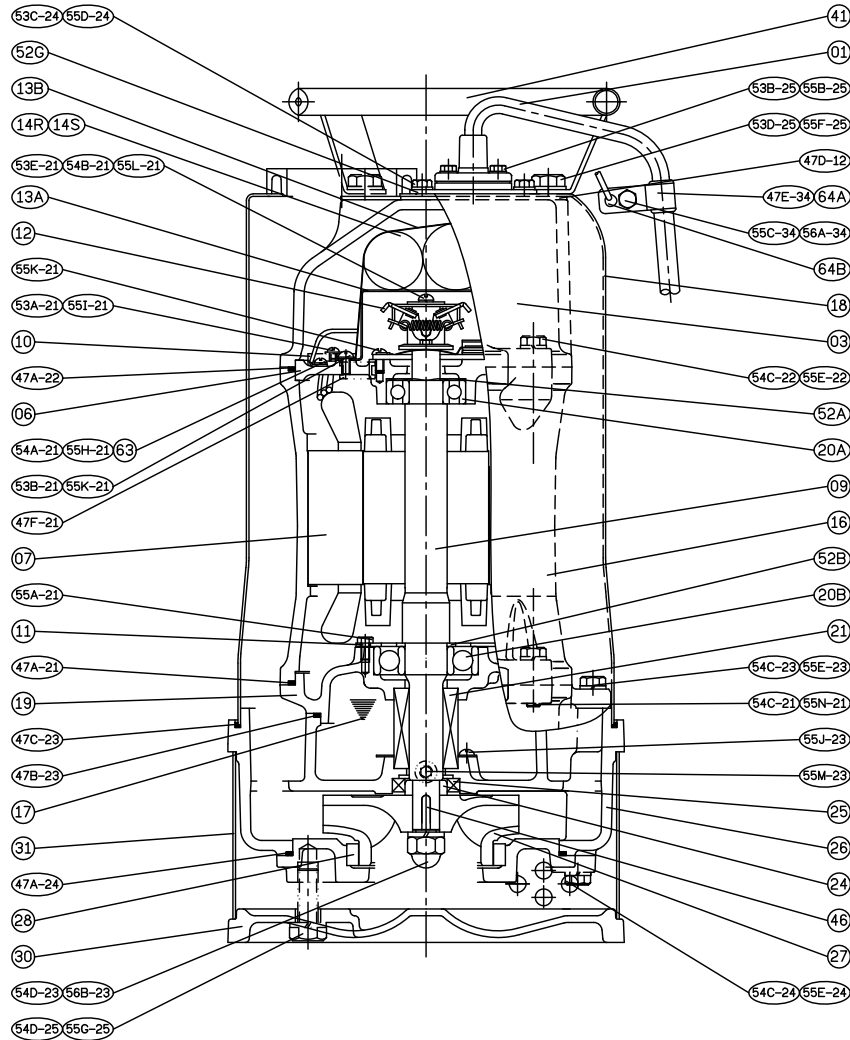
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10A	Auto-cut Protector		1	
10B	Protective Plate		1	
11	Bearing fixer	SPCC	1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	
20A	Bearing		1	
20B	Bearing		1	

No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



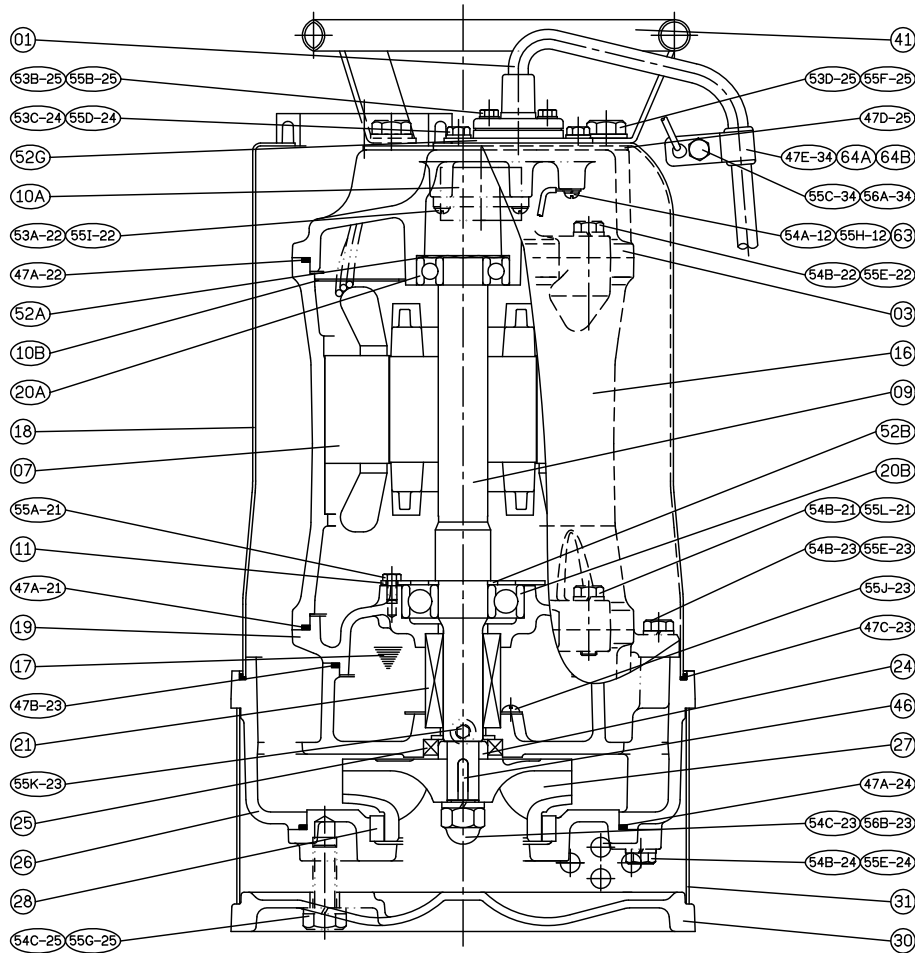
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
06	Bracket	FC200	1	
07	Stator		1	
09	Shaft end	SUS403	1	
10	Auto-cut Protector		1	
11	Bearing fixer	SPCC	1	
12	Centrifugal switch		1	
14R	Capacitor		1	
14S	Start capacitor		1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	

No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



No.	Part name	Material	QTY	Remark
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	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



No.	Part name	Material	QTY	Remark
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	

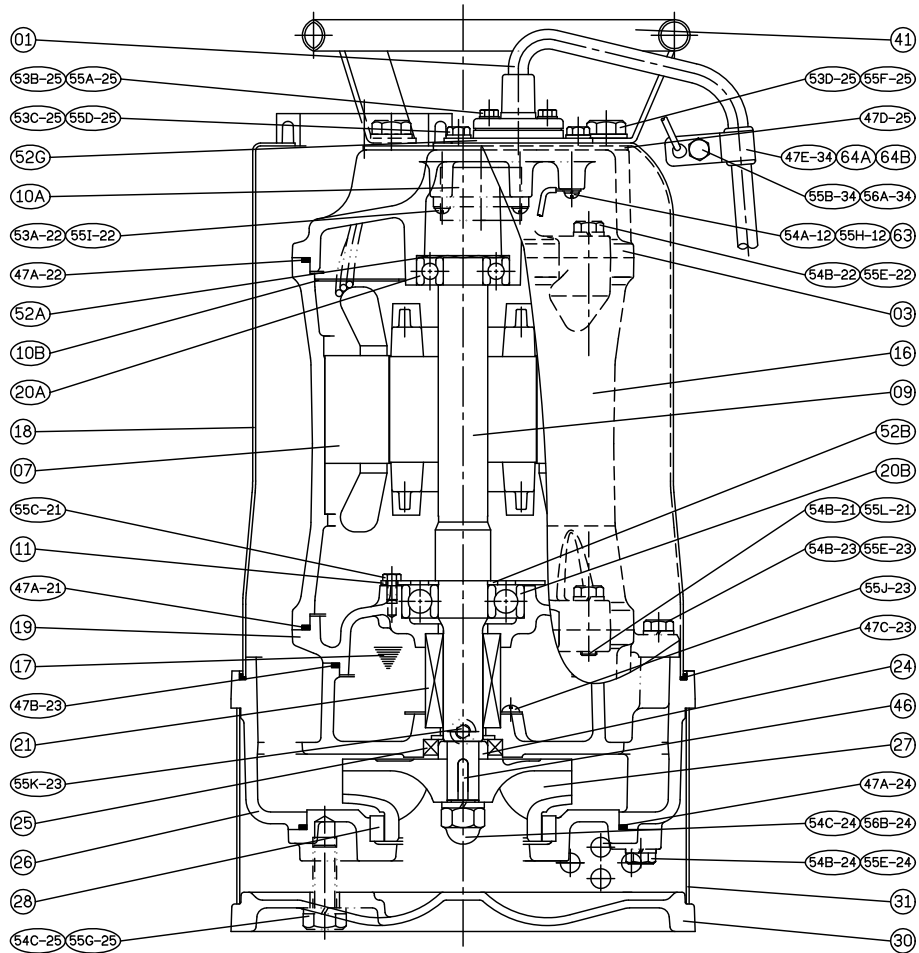
No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

NO: 04HD0237030-0

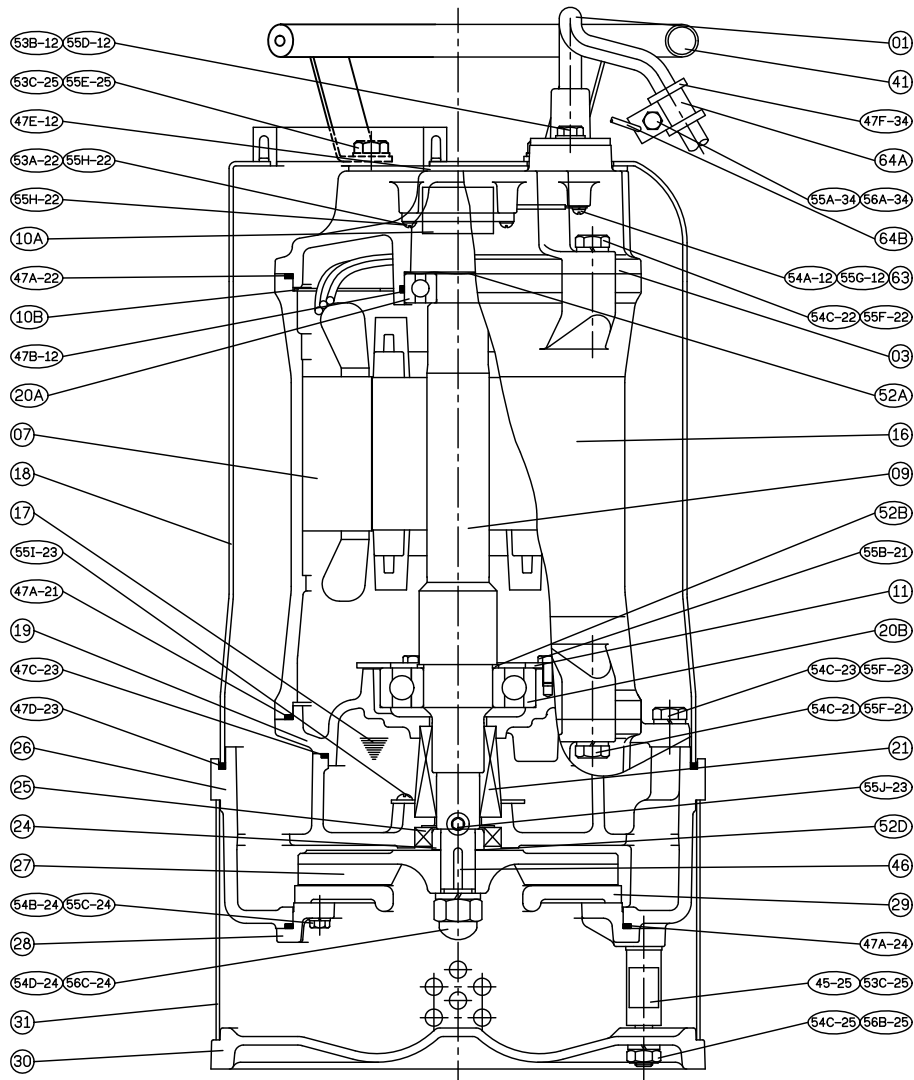
MODEL: 80HD23.7 & 100HD23.7

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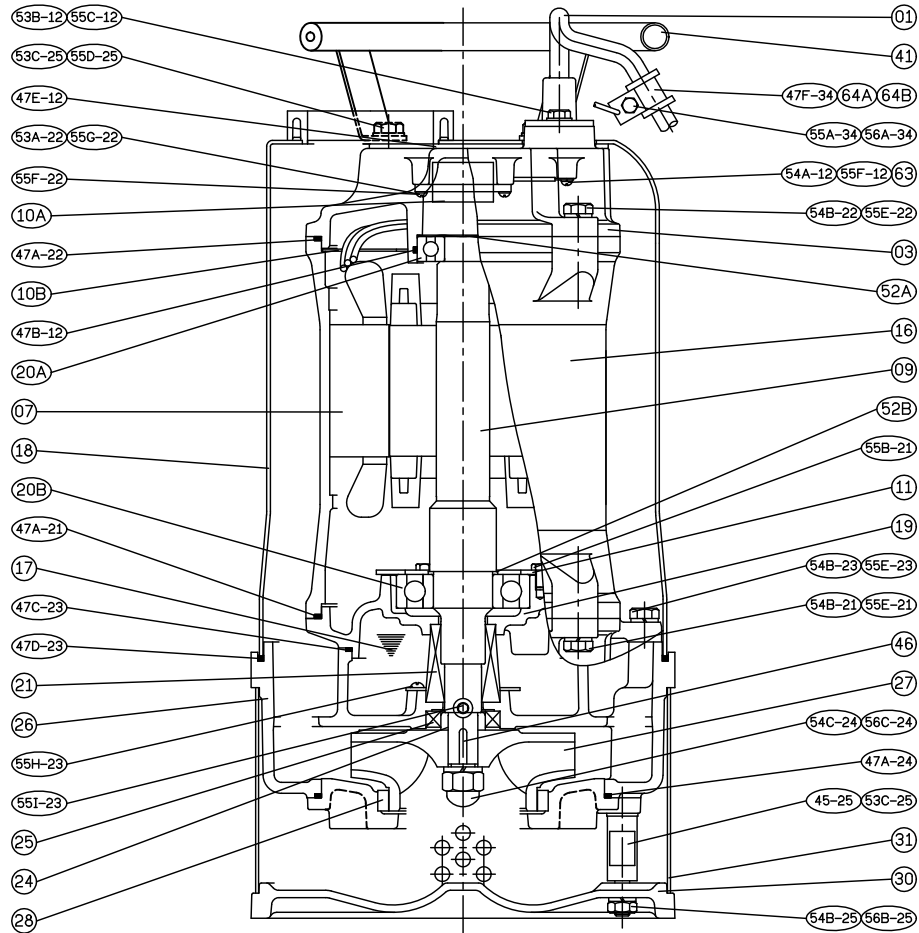
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
07	Stator		1	
09	Shaft end	SUS304	1	
10A	Auto-cut Protector		1	
10B	Protective Plate		1	
11	Bearing fixer	SPCC	1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	
20A	Bearing		1	
20B	Bearing		1	

No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



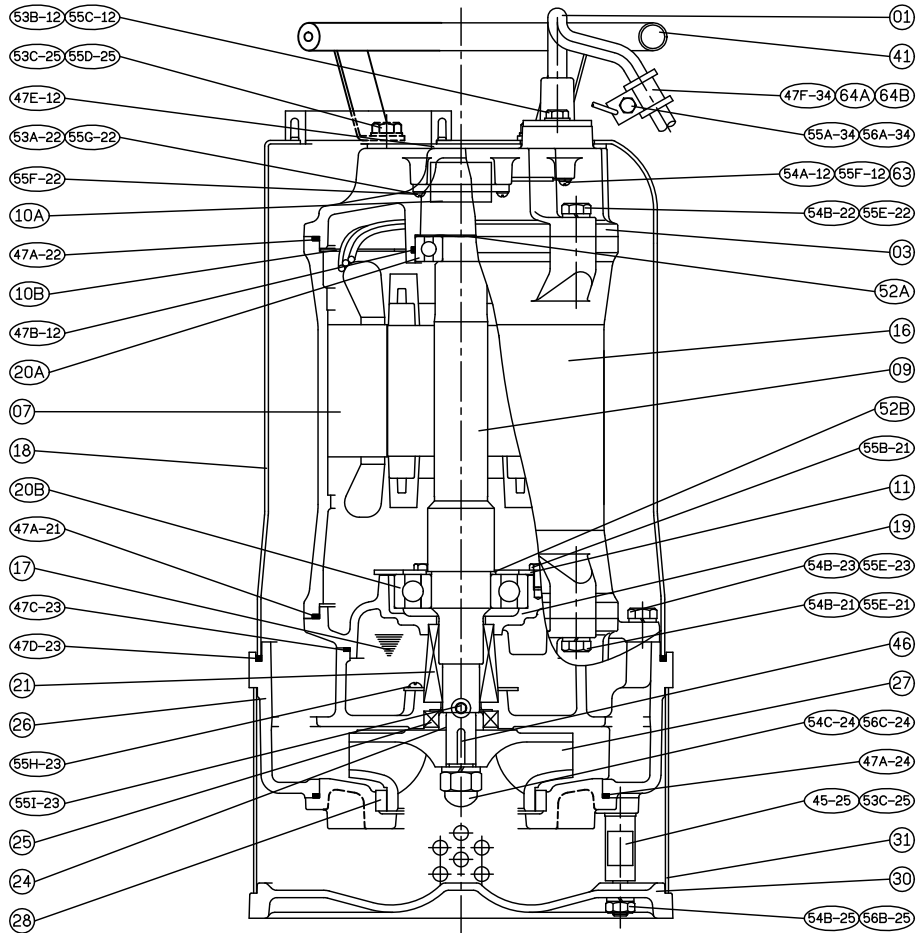
No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper cover	FC200	1	
07	Stator		1	
09	Shaft end	SUS304	1	
10A	Auto-cut Protector		1	
10B	Protective Plate		1	
11	Bearing fixer	SPCC	1	
16	Motor frame	FC200	1	
17	Lubricant			
18	Outer cover	SUS304	1	
19	Bearing bracket	FC200	1	
20A	Bearing		1	
20B	Bearing		1	

No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FCD450	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



No.	Part name	Material	QTY	Remark
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	

No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FCD450	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



No.	Part name	Material	QTY	Remark
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	

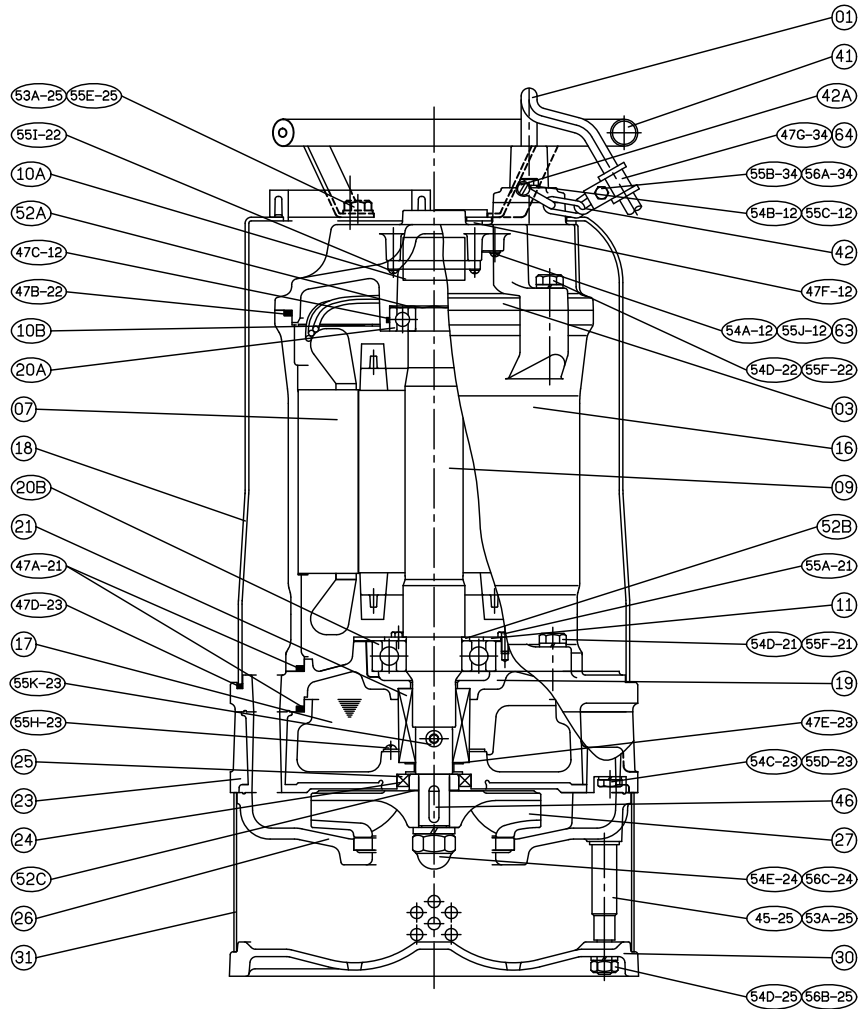
No.	Part name	Material	QTY	Remark
21	M.seal	CA/CE & SIC/SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover +Wear ring	HiCrFC	1	
30	Footing	FCD450	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

NO: 06HD02A5030-0

MODEL: 100HD211 / 215 & 150HD215

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No.	Part name	Material	QTY	Remark
01	Cable		1	
03	Upper Cover	FC200	1	
07	Stator		1	
09	Shaft End	SUS420J2	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	

No.	Part name	Material	QTY	Remark
23	M. Seal Bracket	FC200+EPDM	1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil Seal Bush	SUS403	1	
25	Oil Seal	SUS304+NBR	1	
26	Casing	FC500	1	
	+Wear Ring	HiCrFC	1	
27	Impeller	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller Key	SUS304	1	
47	Gasket			



Professionalism • Innovation • Service • Commitment

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