

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

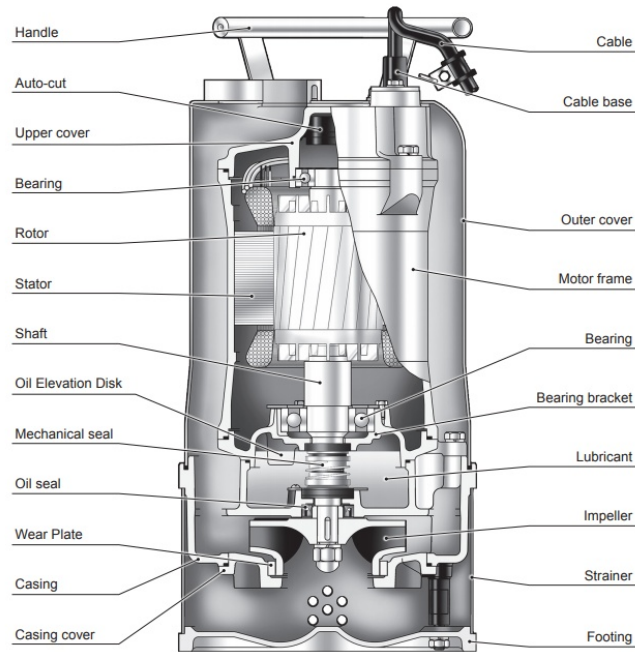
Example : 100 HD 2 5.5
 Discharge Type Pole kW
 mm

FEATURES

- Compact, robust and easy handling for all construction and civil engineering dewatering application conditions.
- Stainless steel SUS304 water cooling motor for continuous duty and low water level conditions.
- Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals, lip oil seal design, and High Solid Epoxy coating.
- Optional discharge connection(hose, flange, Center Line Flange and thread connection).
- High efficient special impeller design in High Chrome Alloy steel (HiCrFC), with a hardness of 55 - 60 Rockwell, to stand high abrasive applications.

APPLICATIONS

- Civil engineering, dewatering, tunneling, groundworks, mining and manhole sewer.
- Industrial wastewater dewatering of fluids containing solid sediments.
- Portable use for contractors, installers and industry.



HD SERIES SUBMERSIBLE DEWATERING PUMPS

50HD21.1 · 50HD21.5 · 50HD22.2

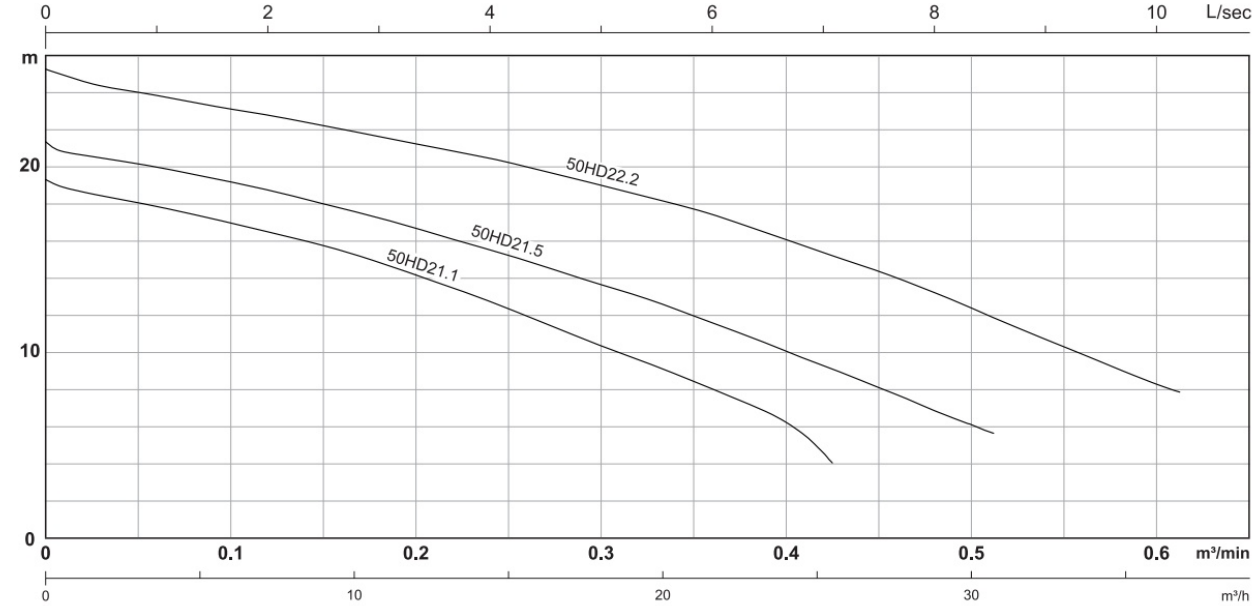
SPECIFICATIONS

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
Optional		—



Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase							
			m-m³/min	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lbs)	3Ø-kg(lbs)		Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø
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	220V	8.4	8.2	5.1	2.9	2.8	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)		230V	10.2	10.0	6.2	3.6	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)		230V	15.0	14.6	8.8	5.0	4.8	3.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min	0.05	0.1	0.15	0.2	0.3	0.4	0.5	0.6	Q:L/sec	1	2	3	4	5	6	8	10
			Q:m³/h	3	6	9	12	18	24	30	36									
50HD21.1	1.5(1.1)	2"(50)	H:m	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 Plate	HiCrFC
	Cable	VCT or H07RN-F
Optional		—

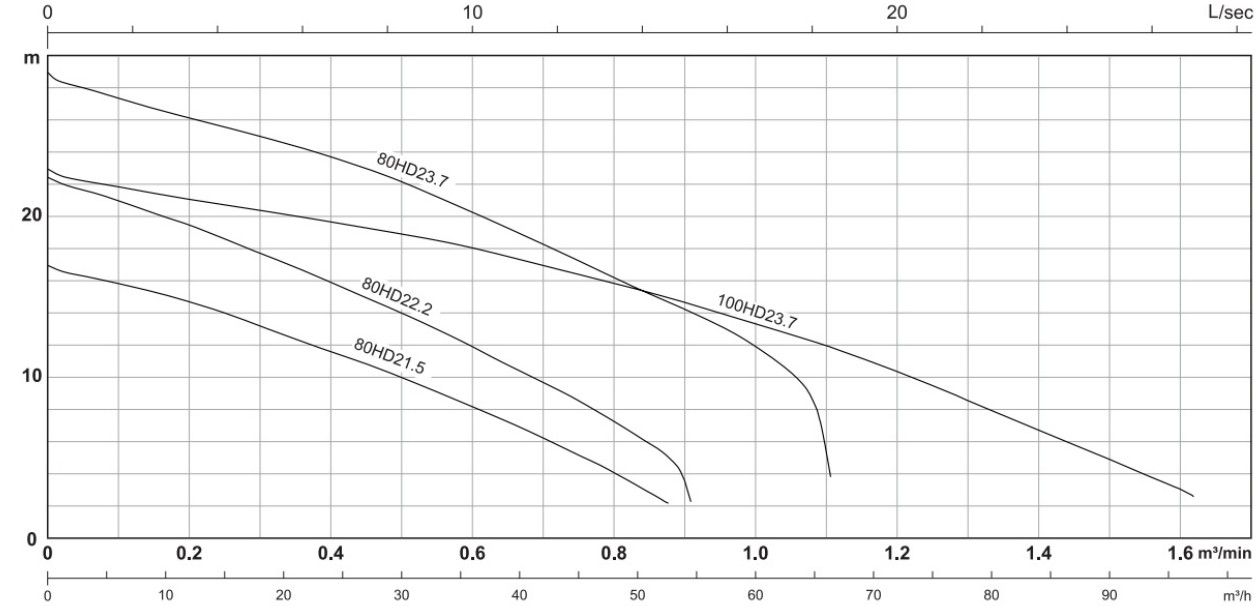


Close Impeller

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	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)		Voltage	220V	230V	230V	380V	400V	415V
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	10.2	10.0	6.2	3.6	3.4	3.4	2.7
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)		15.0	14.6	8.8	5.0	4.8	4.8	3.8
80HD23.7	5(3.7)	3"(80)	22-0.5	22-30	29-1.2	29-72	10(3/8")	—	44(97)		—	—	14.2	8.2	7.8	7.8	6.2
100HD23.7	5(3.7)	4"(100)	13-1.0	13-60	23-1.65	23-99	10(3/8")	—	44(97)		—	—	14.2	8.2	7.8	7.8	6.2

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min Q:m³/h	0.2	0.4	0.6	0.8	1.0	1.2	1.4	Q:L/sec								
				12	24	36	48	60	72	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	6.8		22.0	21.0	20.0	19.0	16.5	13.6	10.4	6.0

HD SERIES SUBMERSIBLE DEWATERING PUMPS

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

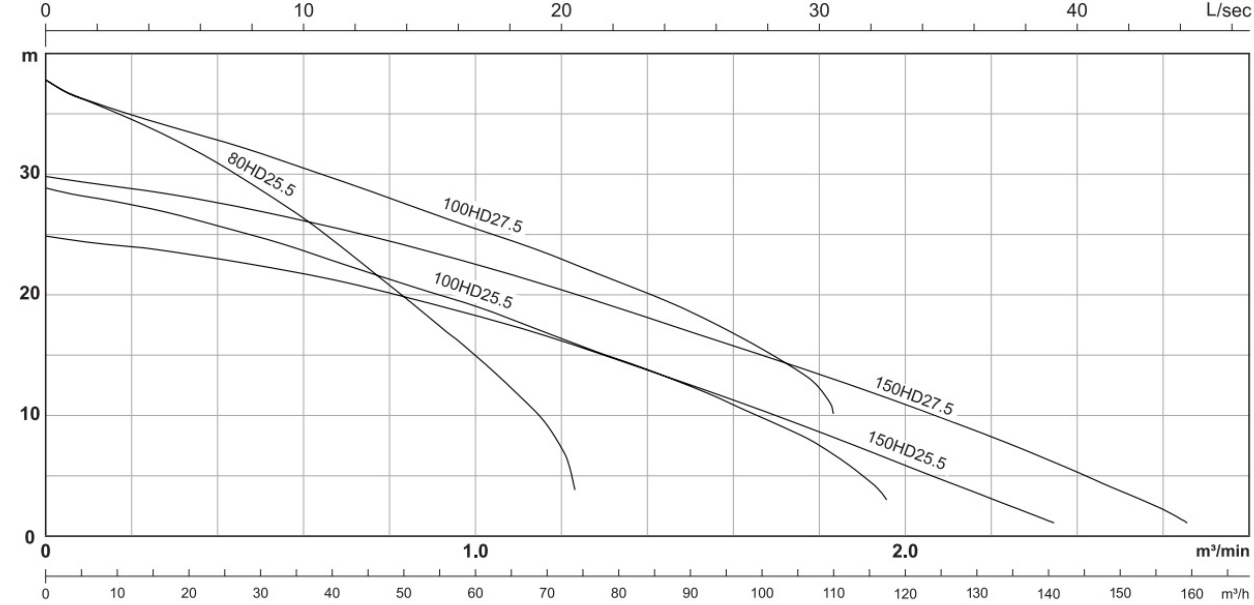
SPECIFICATIONS

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 Plate	HiCrFC(For Close)
	Cable	VCT or H07RN-F
	Optional	—



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)		220V	230V	3Ø	3Ø	3Ø	3Ø	3Ø
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
100HD27.5	10(7.5)	4"(100)	25.5-1.0	25.5-60	38-1.85	38-111	10(3/8")	—	80(176)		—	—	28.6	16.0	15.8	15.8	12.6
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
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	0.2	0.4	0.6	1.0	1.4	1.8	2.2	2.6	Q:L/sec	5	10	15	20	25	30	35	40
			Q:m³/h	12	24	36	60	84	108	132	156									
80HD25.5	7.5(5.5)	3"(80)	H:m	34.8	31.0	26.4	15.0	—	—	—	—	H:m	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	—	—
100HD27.5	10(7.5)	4"(100)		35.0	33.0	30.6	25.4	20.2	12.2	—	—		34.0	30.6	26.8	23.0	18.6	12.2	—	—
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	—
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 · 150HD211 · 150HD215

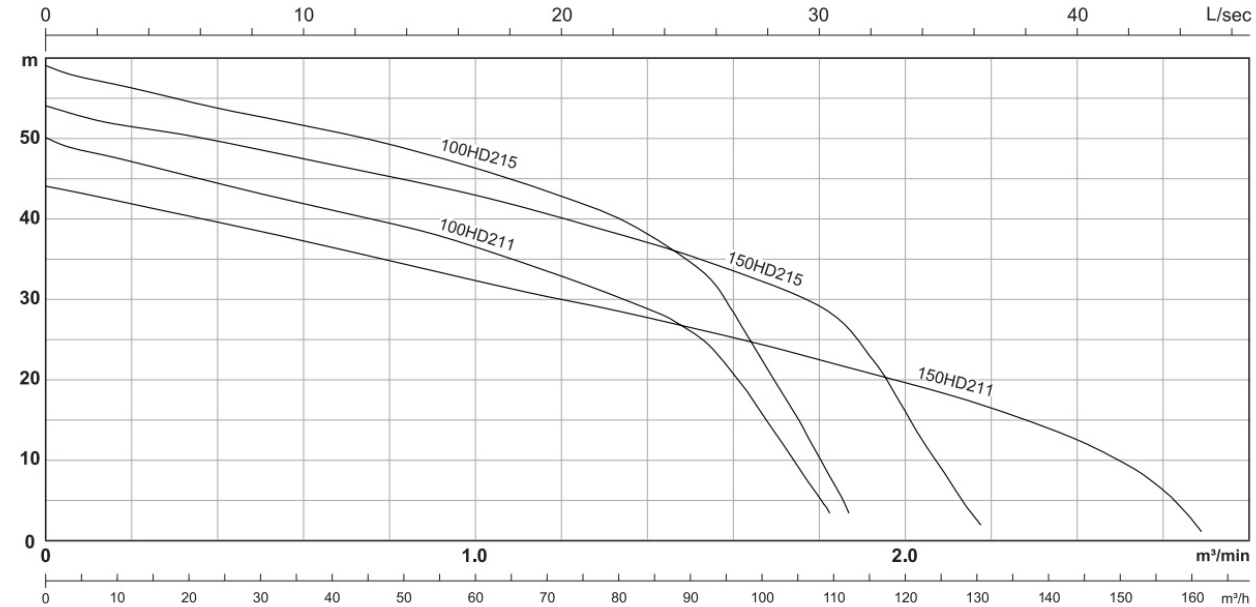
SPECIFICATIONS

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 Plate	HiCrFC
	Cable	VCT or H07RN-F
Optional		—



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)		220V	230V	230V	380V	400V	415V	525V
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
150HD211	15(11)	6"(150)	26.5-1.5	26.5-90	44-2.7	44-162	10(3/8")	—	124(273)		—	—	39.0	22.2	21.6	21.6	17.3
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

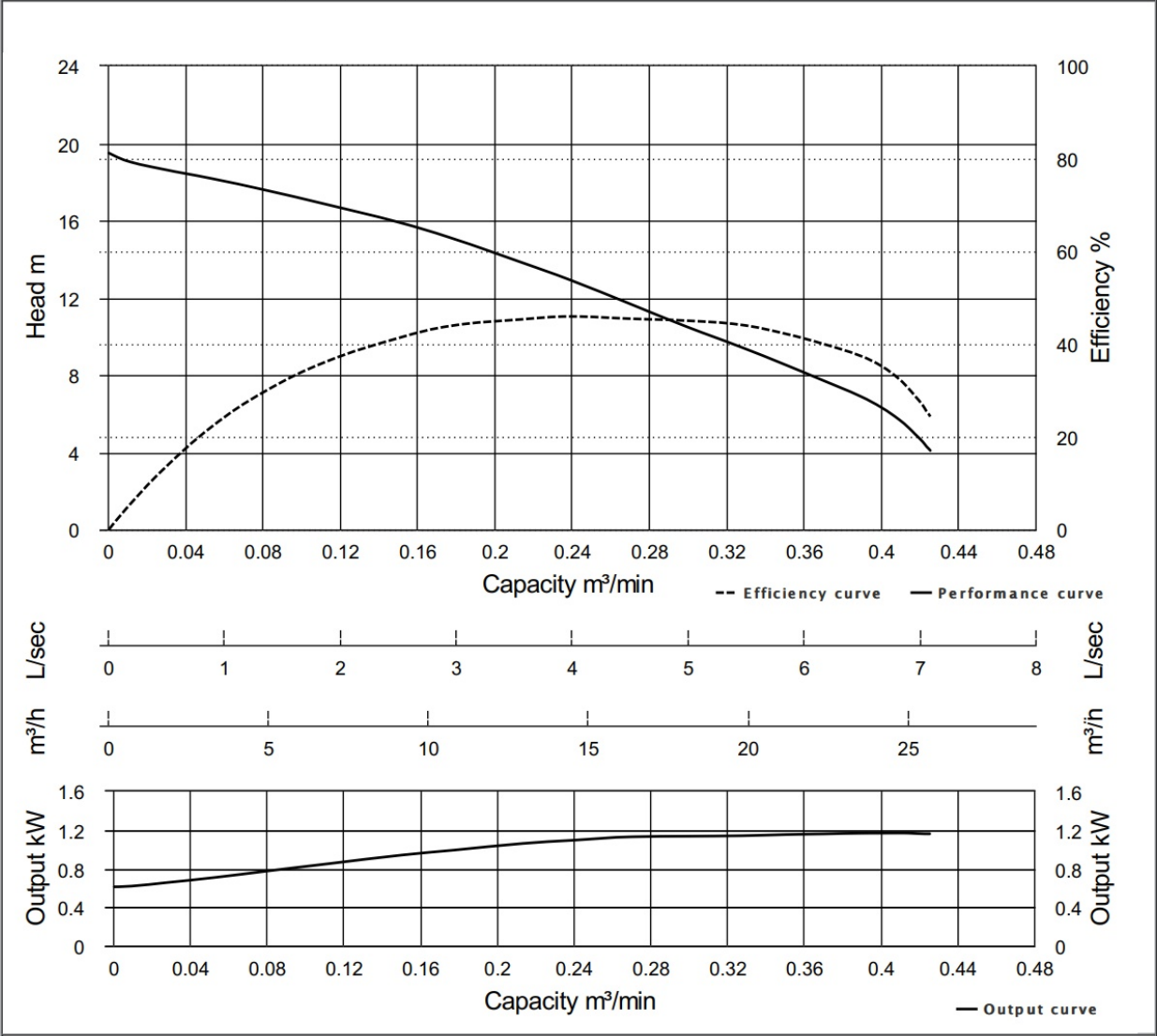


Model	Power HP(kW)	Discharge inch(mm)	Q:m³/min	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2.4	Q:L/sec	H:m							
			Q:m³/h	12	24	36	48	72	96	120	144		5	10	15	20	25	30	35	40
100HD211	15(11)	4"(100)	H:m	47.2	44.8	42.0	39.4	33.0	20.4	—	—	H:m	46.0	42.0	38.4	33.0	26.0	5.8	—	—
100HD215	20(15)	4"(100)		56.4	53.9	51.8	49.2	43.2	28.6	—	—		55.0	51.8	48.0	43.2	34.1	10.4	—	—
150HD211	15(11)	6"(150)		42.0	39.4	37.2	34.8	30.0	25.0	19.8	12.8		41.0	37.2	33.4	30.0	26.6	22.4	18.0	12.8
150HD215	20(15)	6"(150)		51.4	49.6	47.4	45.2	40.2	33.4	16.2	—		51.0	47.6	44.0	40.2	35.6	29.2	8.0	—



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	50HD21.1				Ver NO. BB0419
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 m³/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				

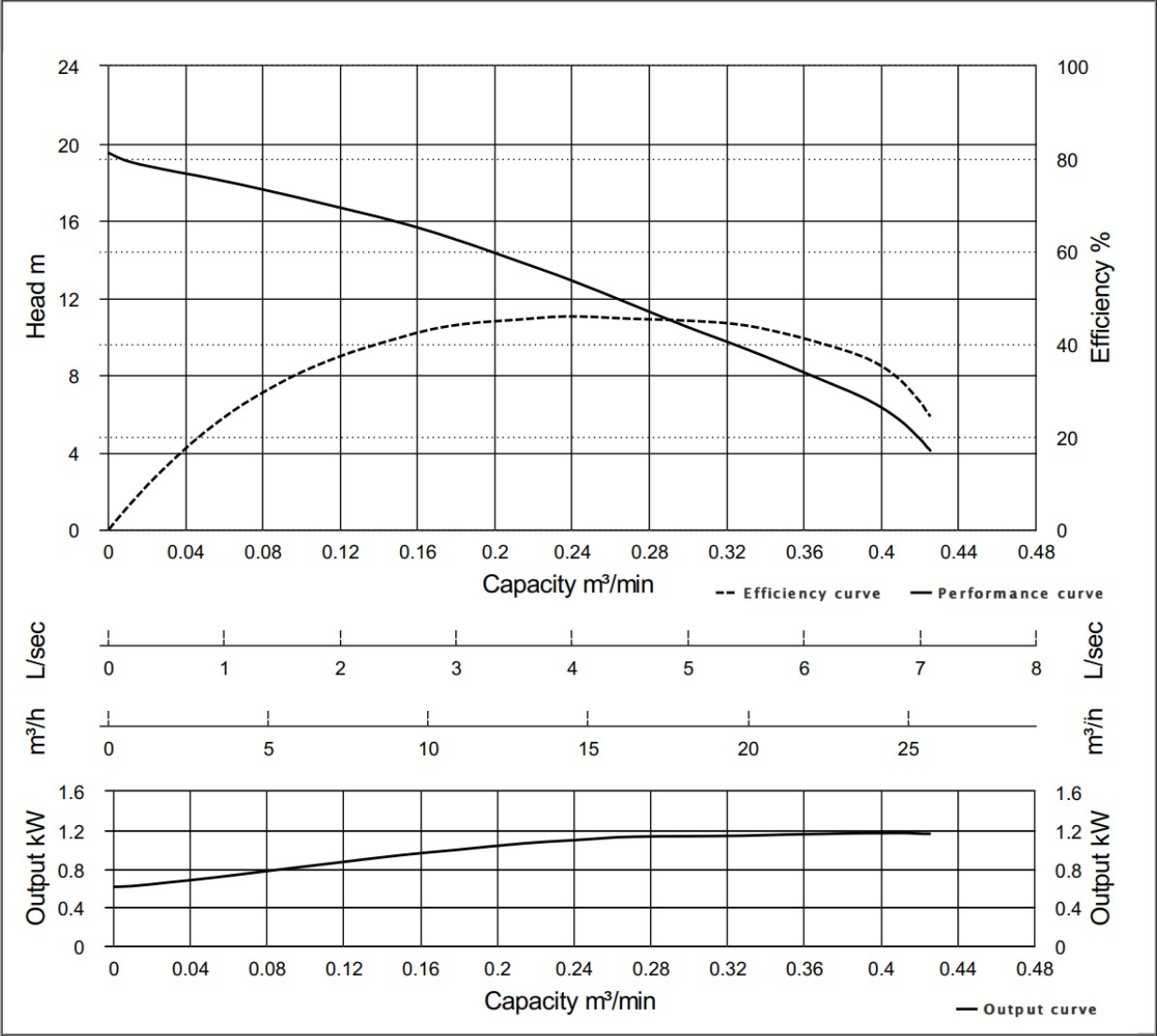


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	50HD21.1					Ver NO. BB0419
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 m³/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					



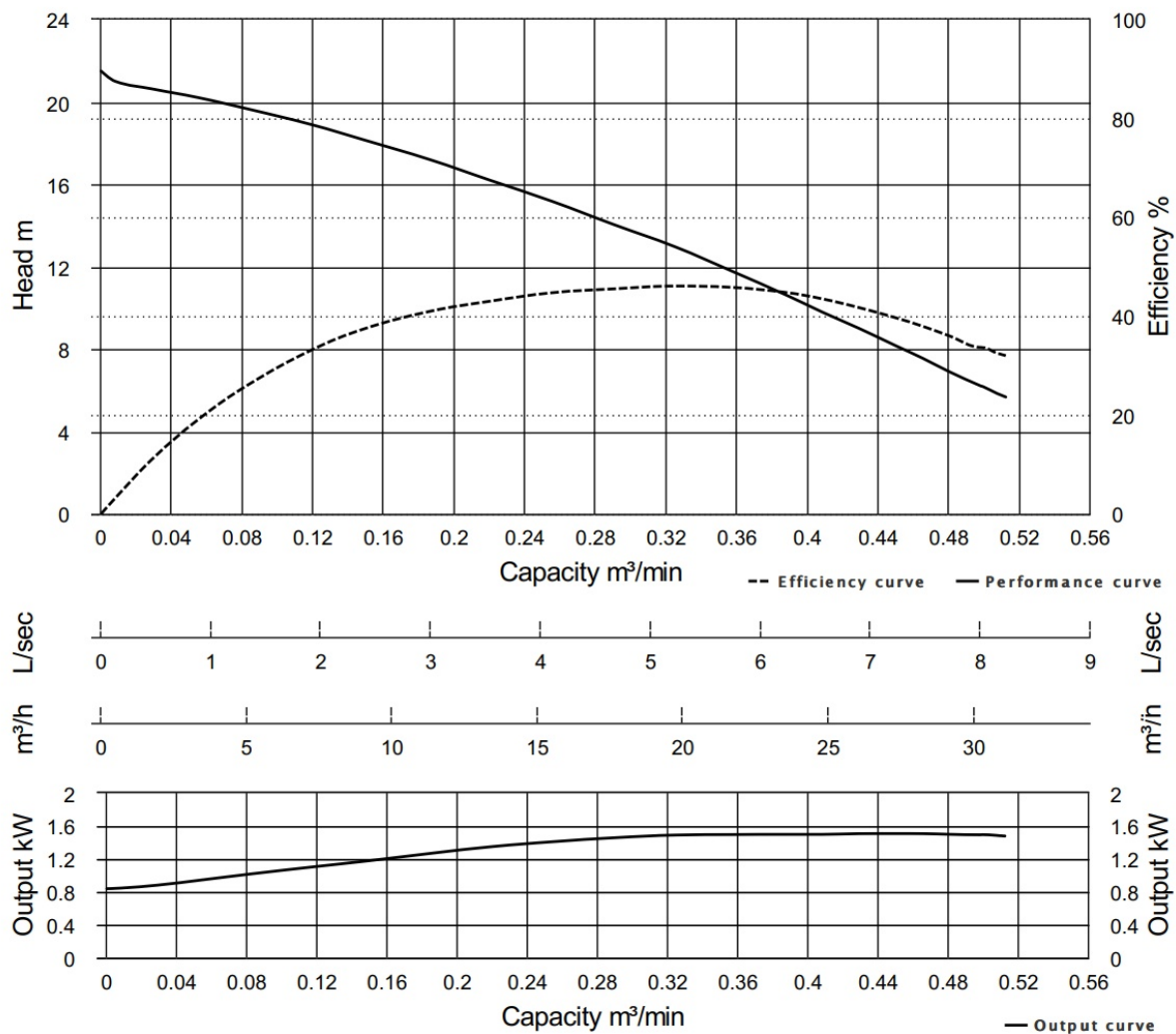
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50HD21.5					Ver NO.	BB0419
Frequency / Phase	50 Hz / 1 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	2 HP / 1.5 kW						
Std. Head	15 m						
Std. Capacity	0.25 m³/min						
Volt	220 V	230 V	240 V				
Rated Current	10.2 A	10 A	9.8 A				
Pole / rpm	2 P / 2800 rpm						
Start Method	CAPACITOR						
Insulation Class	F						



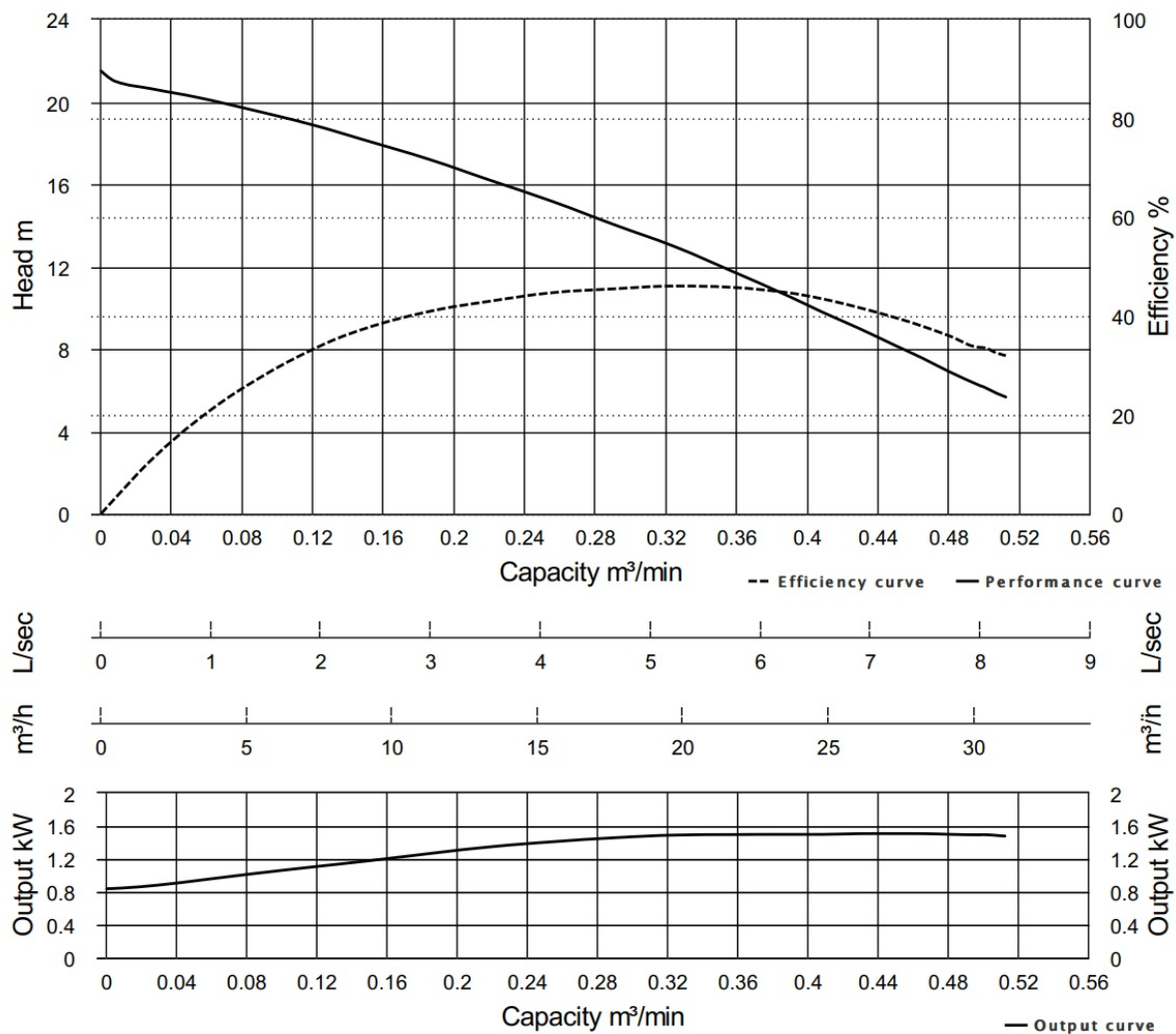
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	50HD21.5					Ver NO.	BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	2" / 50 mm						
Power	2 HP / 1.5 kW						
Std. Head	15 m						
Std. Capacity	0.25 m³/min						
Volt	230 V	380 V	400 V	415 V	525 V		
Rated Current	6.2 A	3.6 A	3.4 A	3.4 A	2.7 A		
Pole / rpm	2 P / 2800 rpm						
Start Method	DOL						
Insulation Class	F						

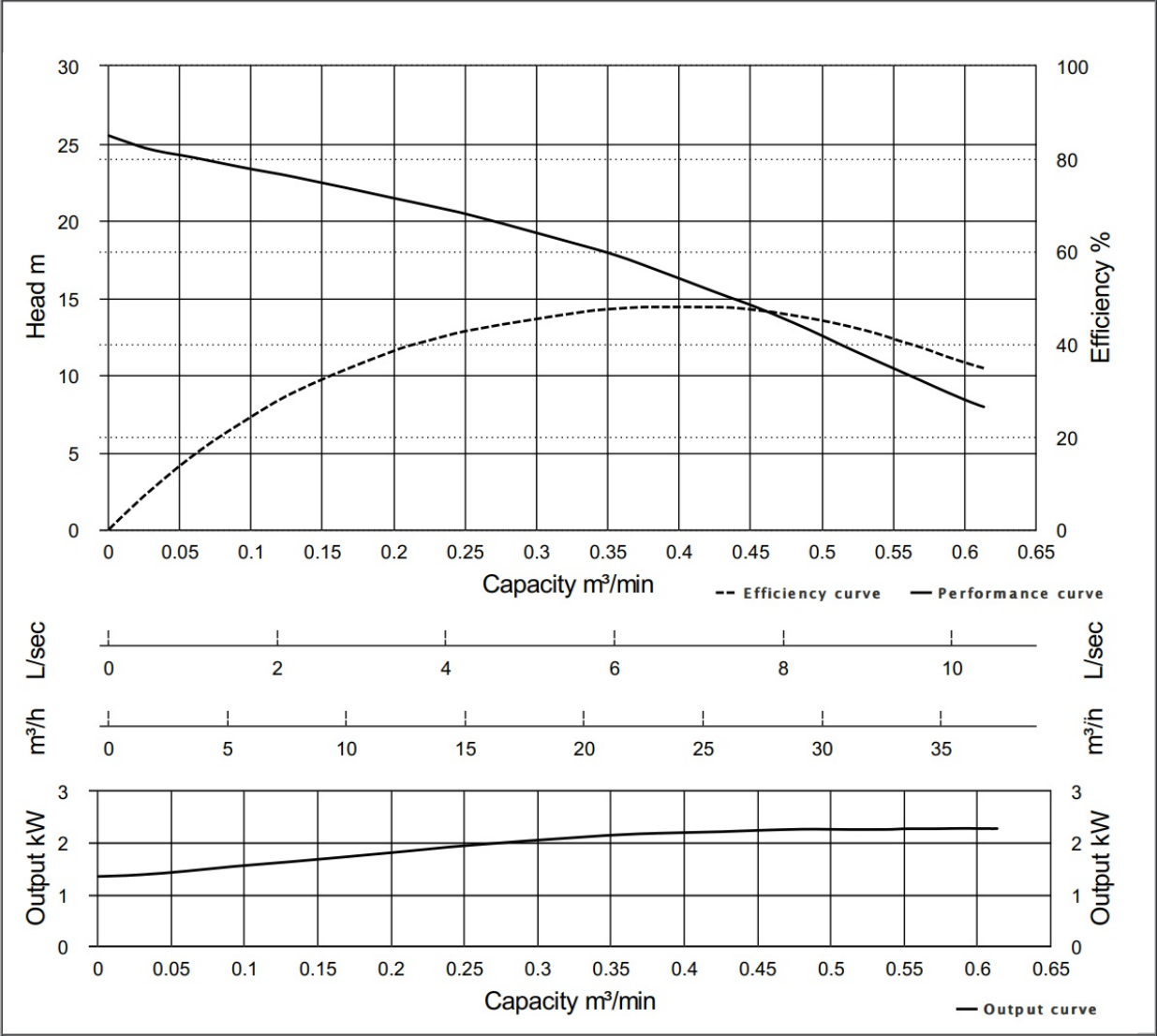


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	50HD22.2				Ver NO. BB0419
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION
Discharge	2" / 50 mm				
Power	3 HP / 2.2 kW				
Std. Head	19 m				
Std. Capacity	0.3 m³/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				

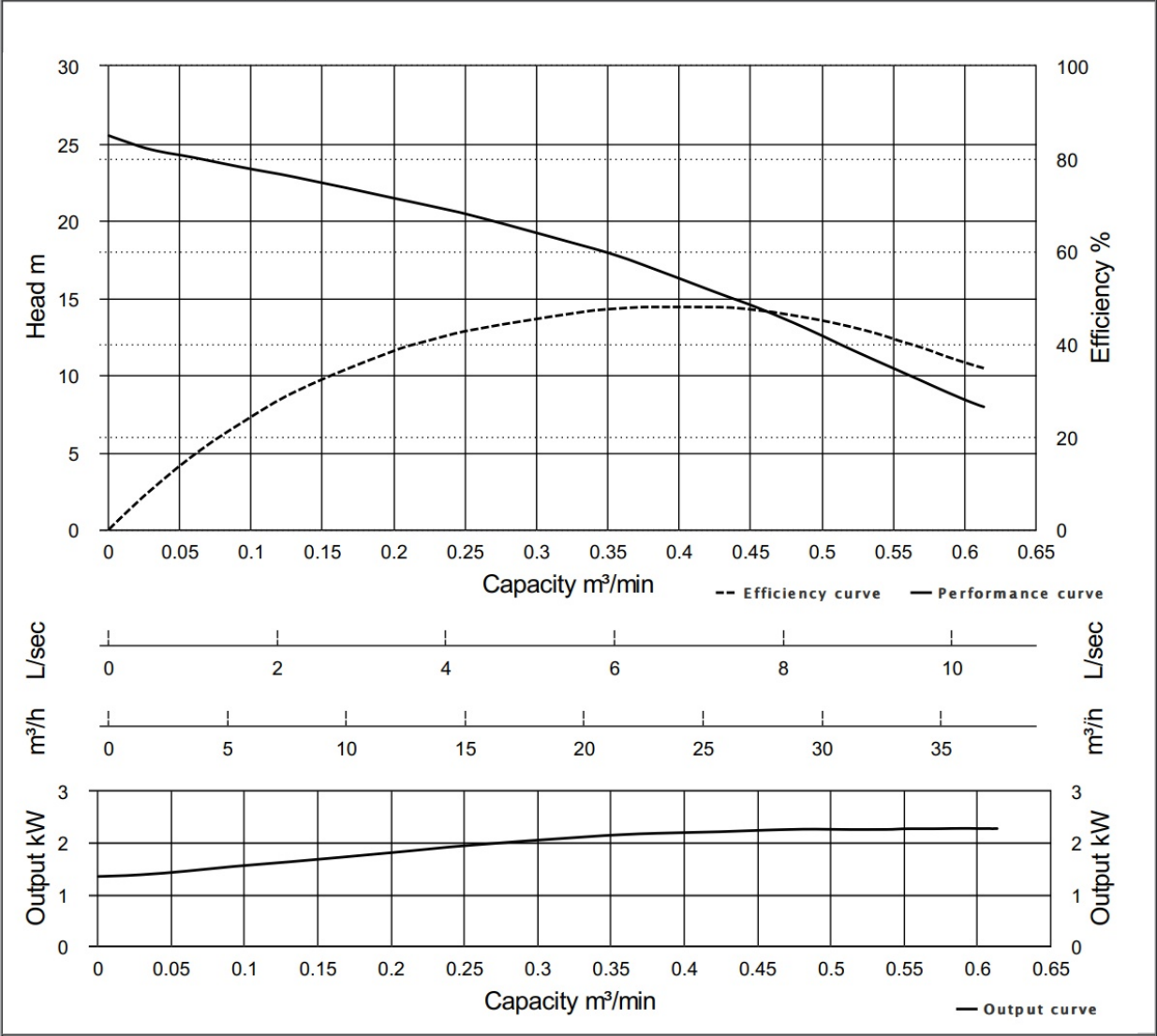


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	50HD22.2				
Frequency / Phase	50 Hz / 3 Ø				
Discharge	2" / 50 mm				
Power	3 HP / 2.2 kW				
Std. Head	19 m				
Std. Capacity	0.3 m³/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				

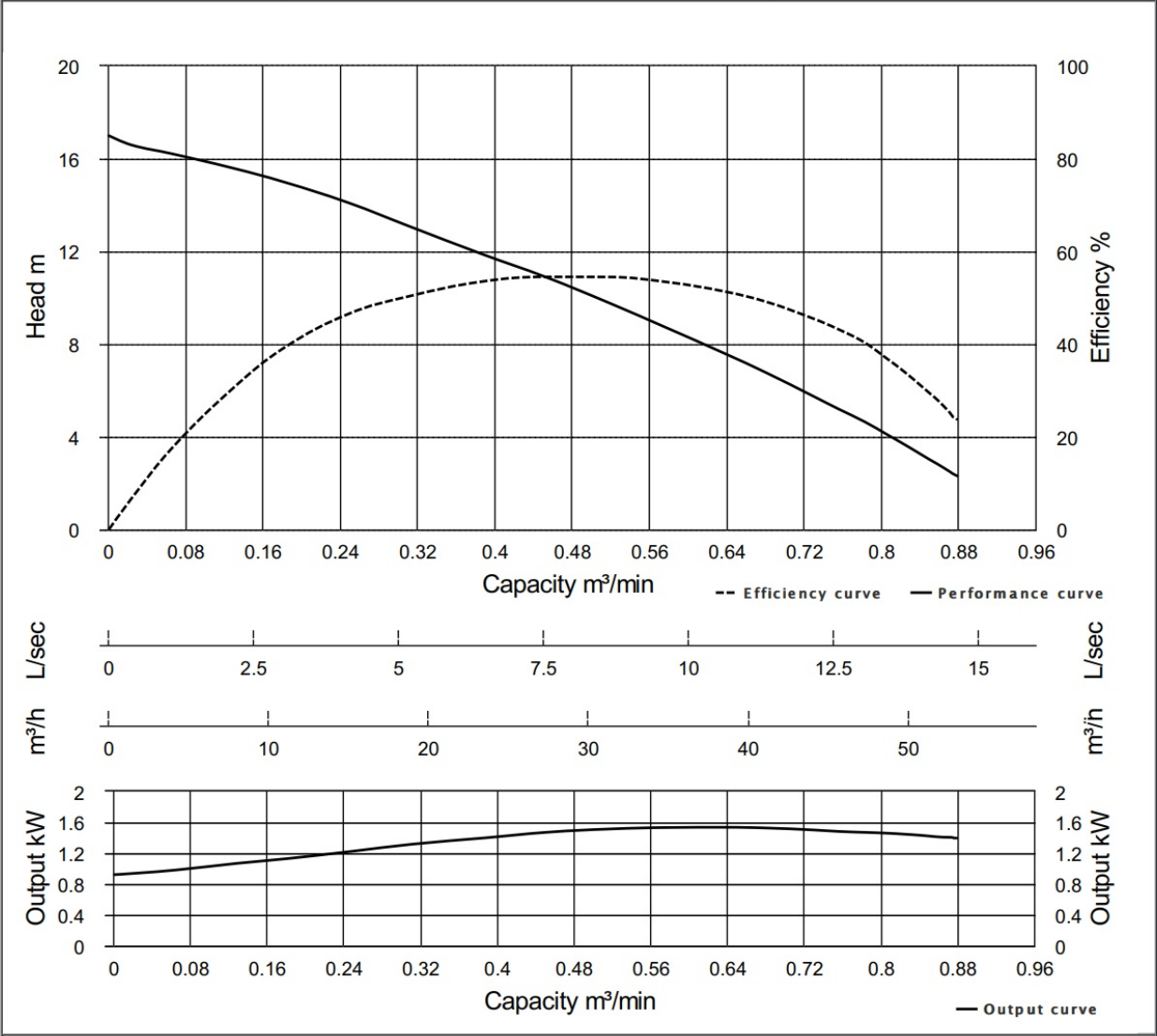


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	80HD21.5				Ver NO. BB0419
Frequency / Phase	50 Hz / 1 Ø				REFERENCE SPECIFICATION
Discharge	3" / 80 mm				
Power	2 HP / 1.5 kW				
Std. Head	10 m				
Std. Capacity	0.5 m³/min				
Volt	220 V	230 V	240 V		
Rated Current	10.4 A	10 A	9.8 A		
Pole / rpm	2 P / 2800 rpm				
Start Method	CAPACITOR				
Insulation Class	F				

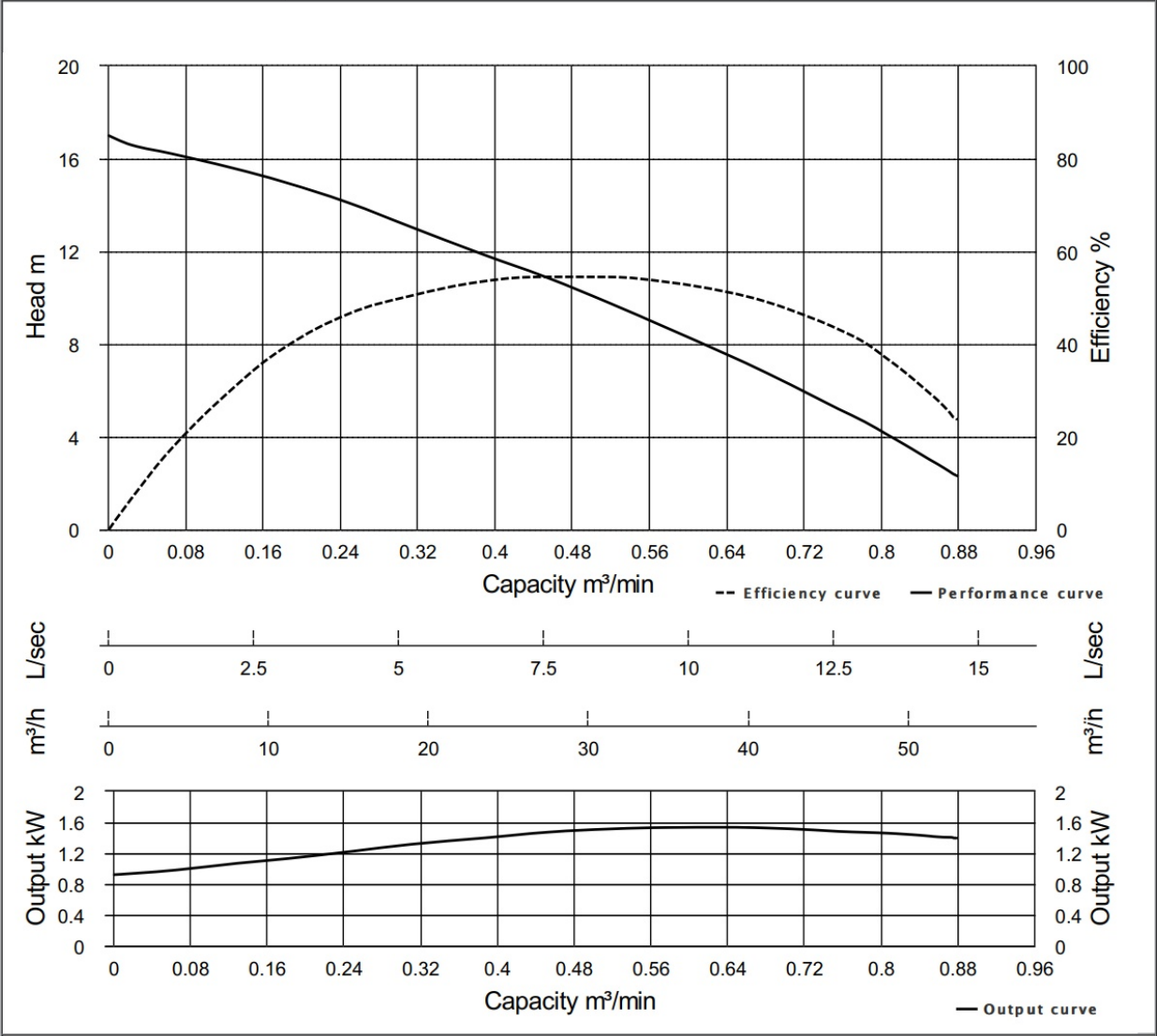


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	80HD21.5					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	3" / 80 mm					
Power	2 HP / 1.5 kW					
Std. Head	10 m					
Std. Capacity	0.5 m³/min					
Volt	230 V	380 V	400 V	415 V	525 V	
Rated Current	6.2 A	3.6 A	3.4 A	3.4 A	2.7 A	
Pole / rpm	2 P / 2800 rpm					
Start Method	DOL					
Insulation Class	F					

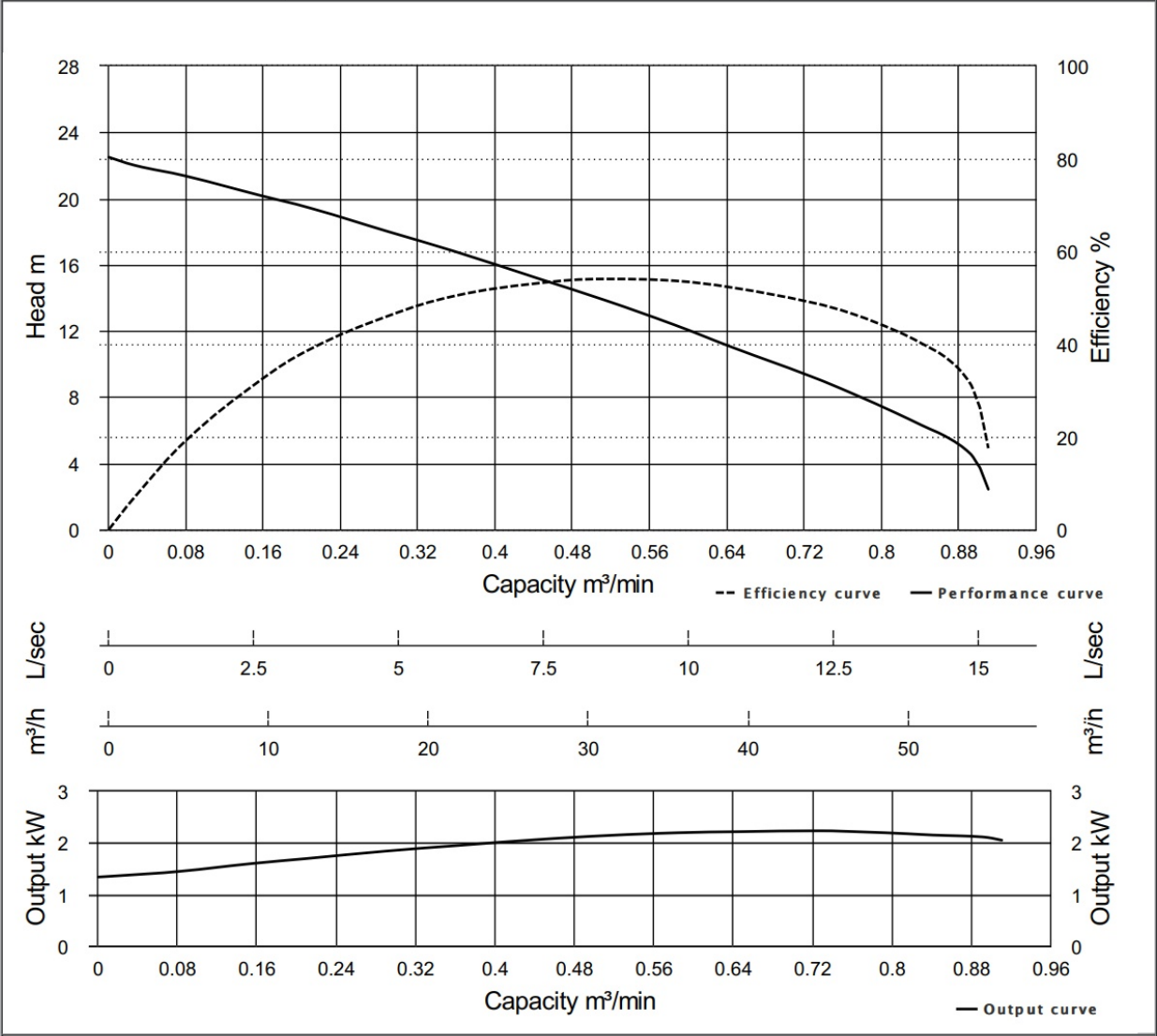


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	80HD22.2				Ver NO. BB0419
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 m³/min				
Volt	220 V	230 V	240 V		
Rated Current	15 A	14.6 A	14.6 A		
Pole / rpm	2 P / 2820 rpm				
Start Method	CAPACITOR				
Insulation Class	F				

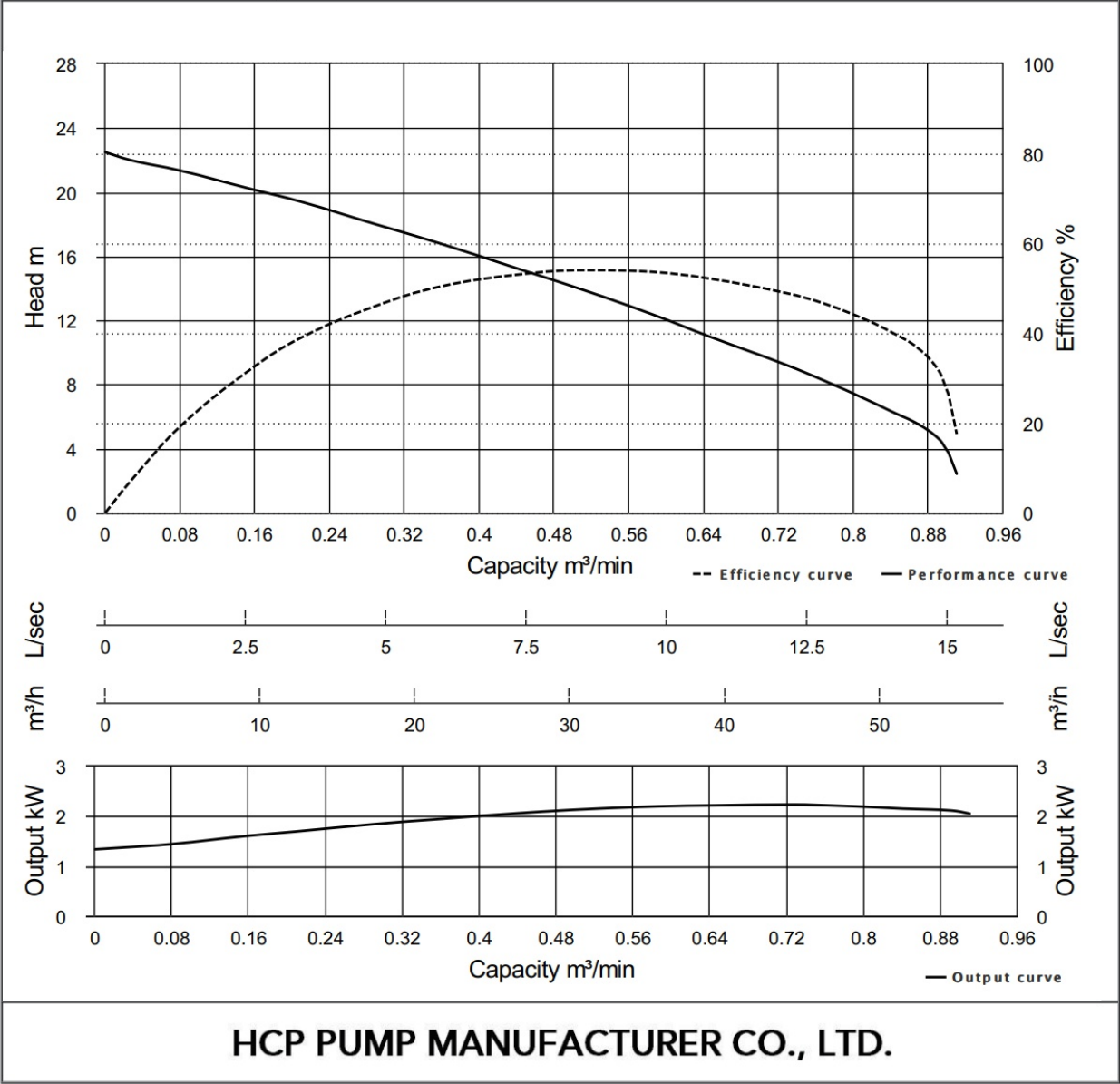


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	80HD22.2				
Frequency / Phase	50 Hz / 3 Ø				
Discharge	3" / 80 mm				
Power	3 HP / 2.2 kW				
Std. Head	14 m				
Std. Capacity	0.5 m³/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				

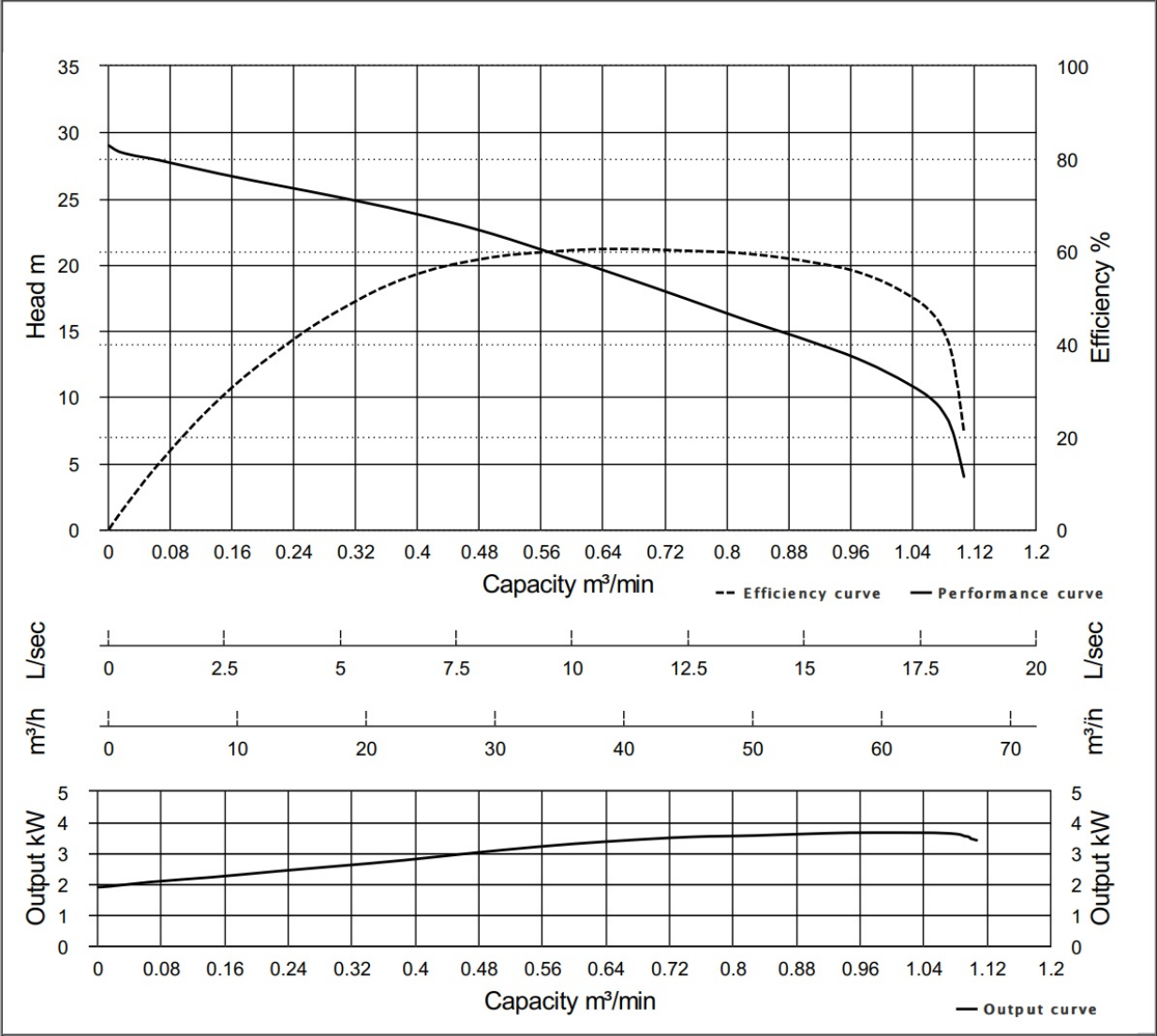


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES					
Model	80HD23.7				
Frequency / Phase	50 Hz / 3 Ø				
Discharge	3" / 80 mm				
Power	5 HP / 3.7 kW				
Std. Head	22 m				
Std. Capacity	0.5 m³/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 / 2800 rpm				
Start Method	DOL				
Insulation Class	F				

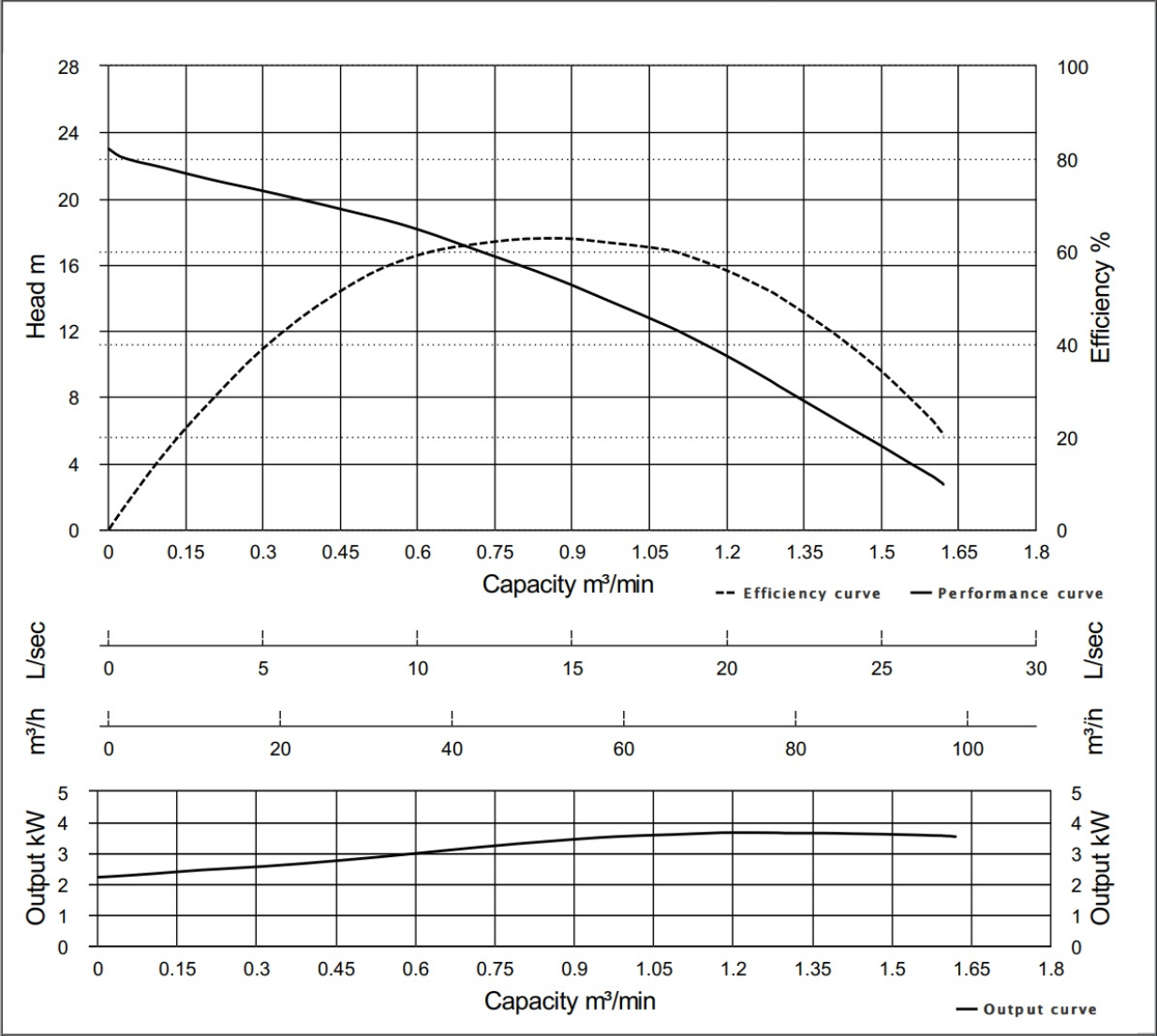


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	100HD23.7					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	4" / 100 mm					
Power	5 HP / 3.7 kW					
Std. Head	13 m					
Std. Capacity	1 m³/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 / 2800 rpm					
Start Method	DOL					
Insulation Class	F					

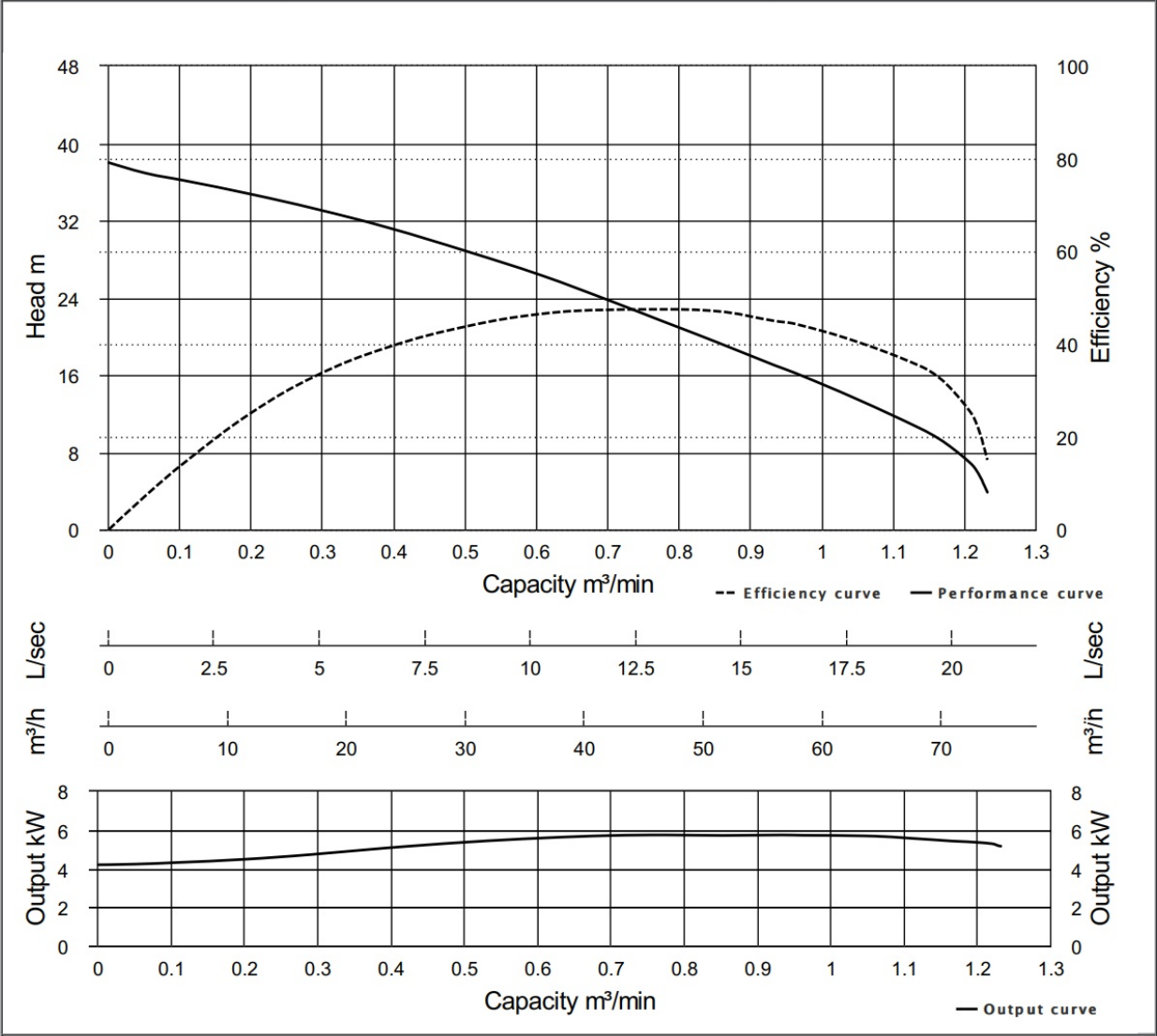


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	80HD25.5					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	3" / 80 mm					
Power	7.5 HP / 5.5 kW					
Std. Head	28 m					
Std. Capacity	0.5 m³/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					

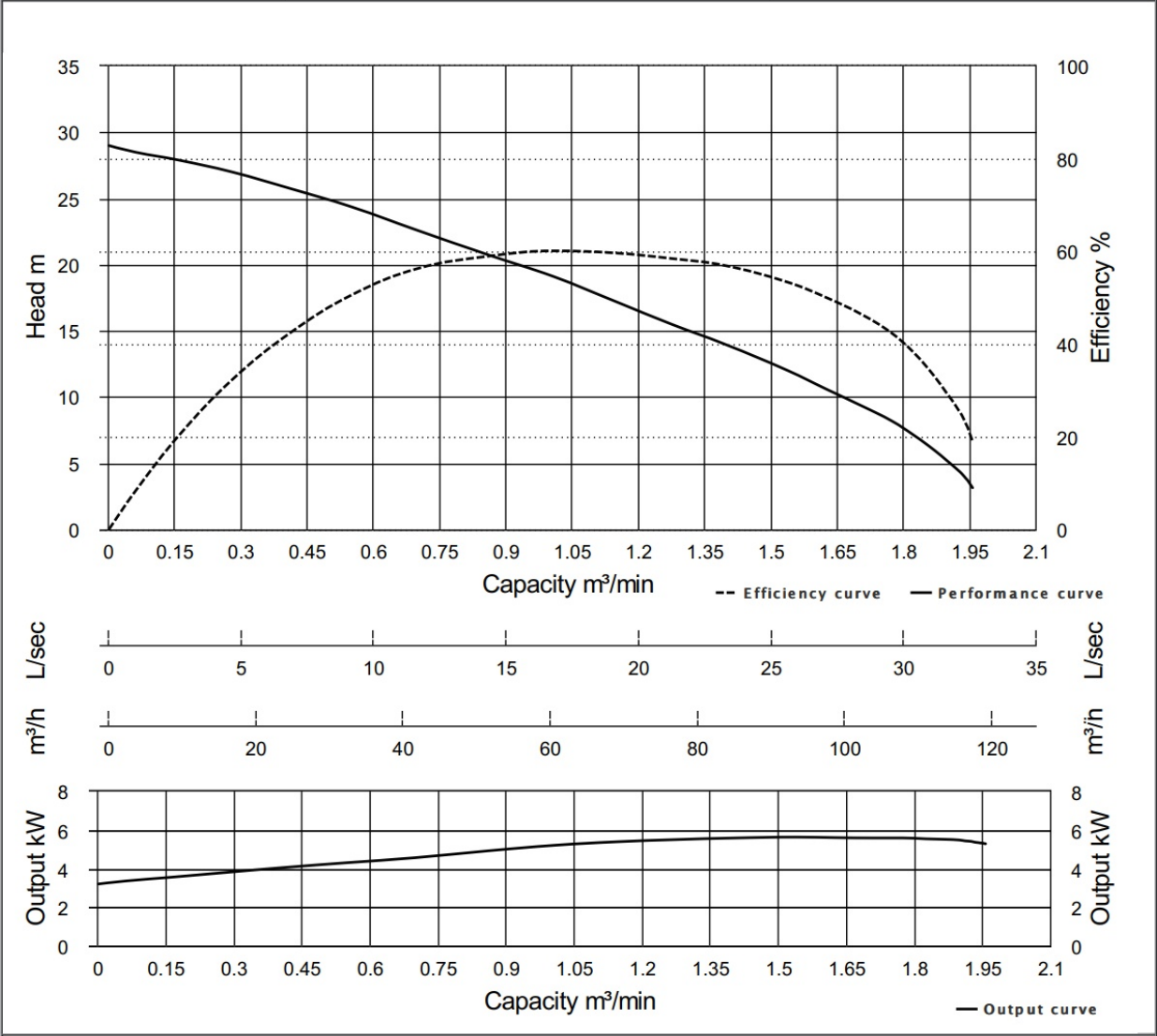


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	100HD25.5					Ver NO. BB0419
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 m³/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					

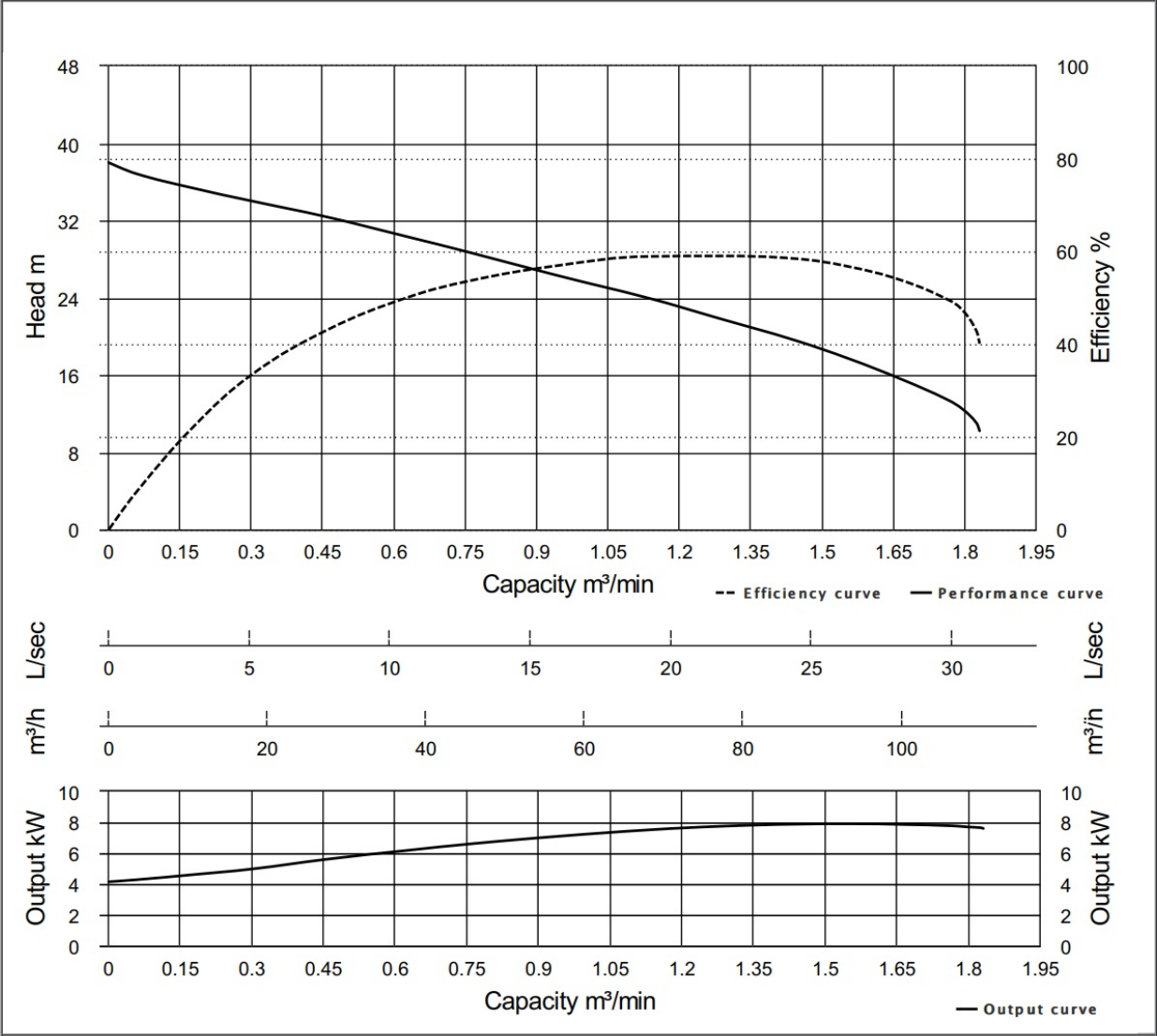


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	100HD27.5					Ver NO. BB0419
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 m³/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					

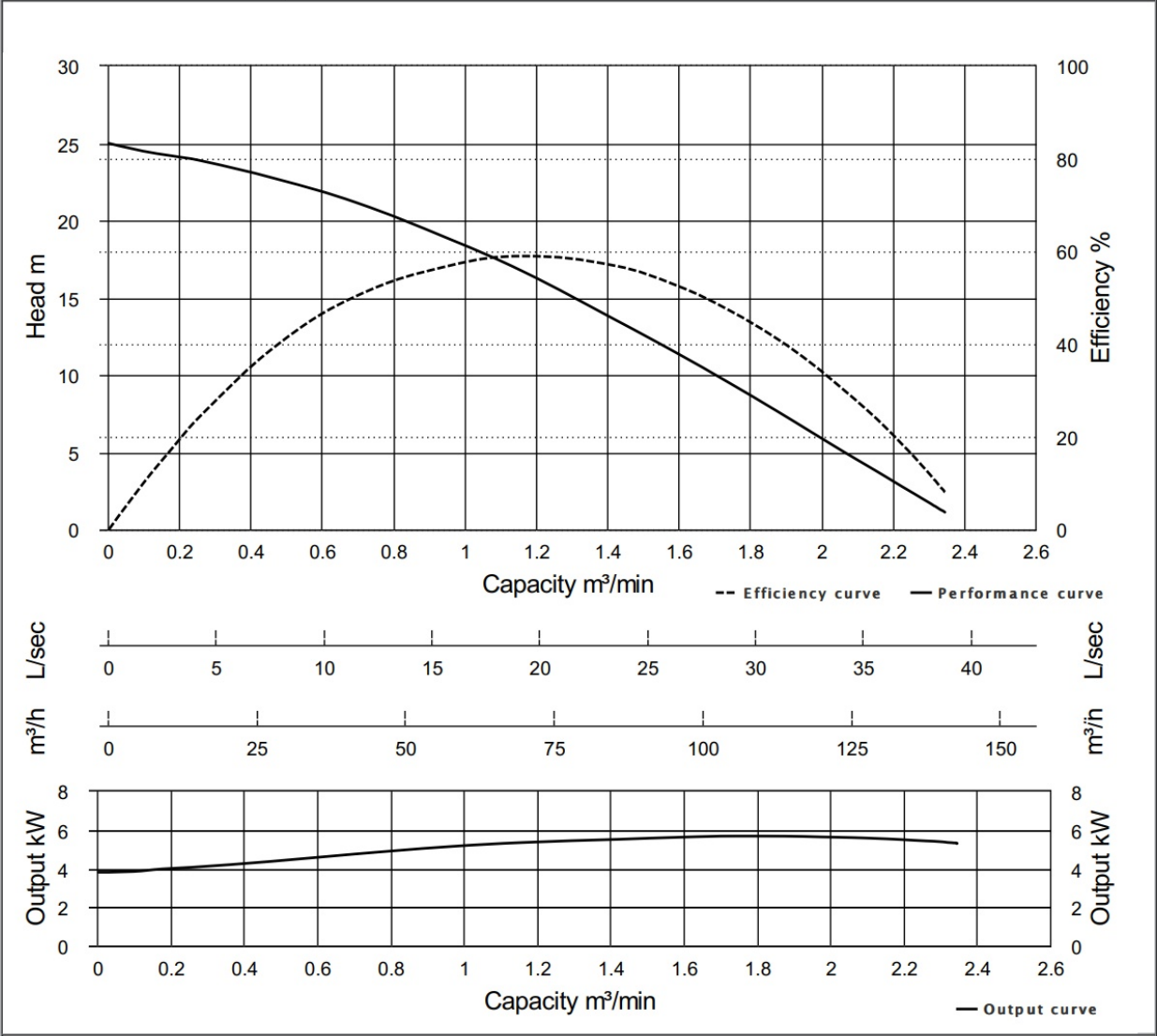


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	150HD25.5					Ver NO. BB0419
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 m³/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					



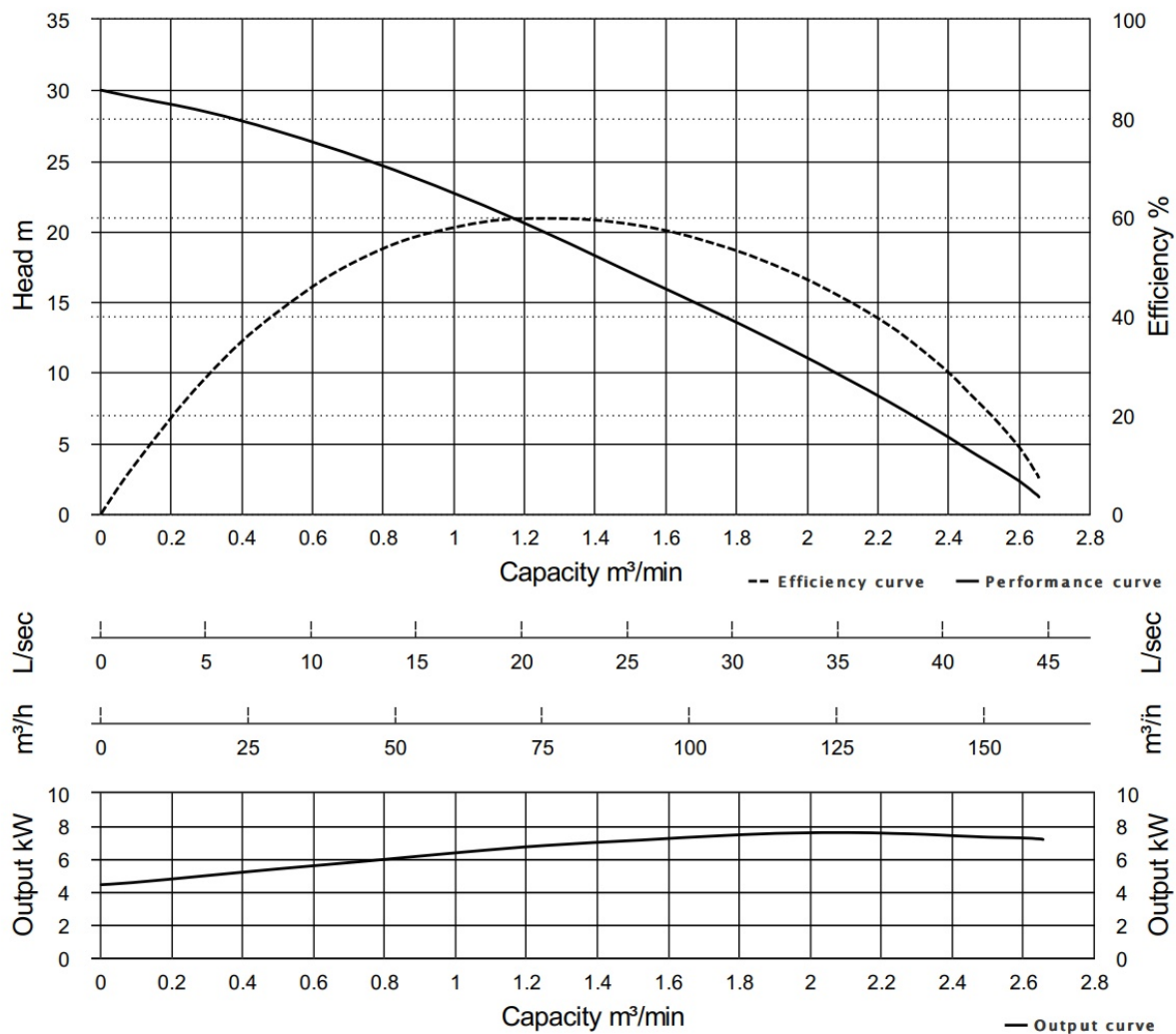
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	150HD27.5					Ver NO.	BB0419
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 m³/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						

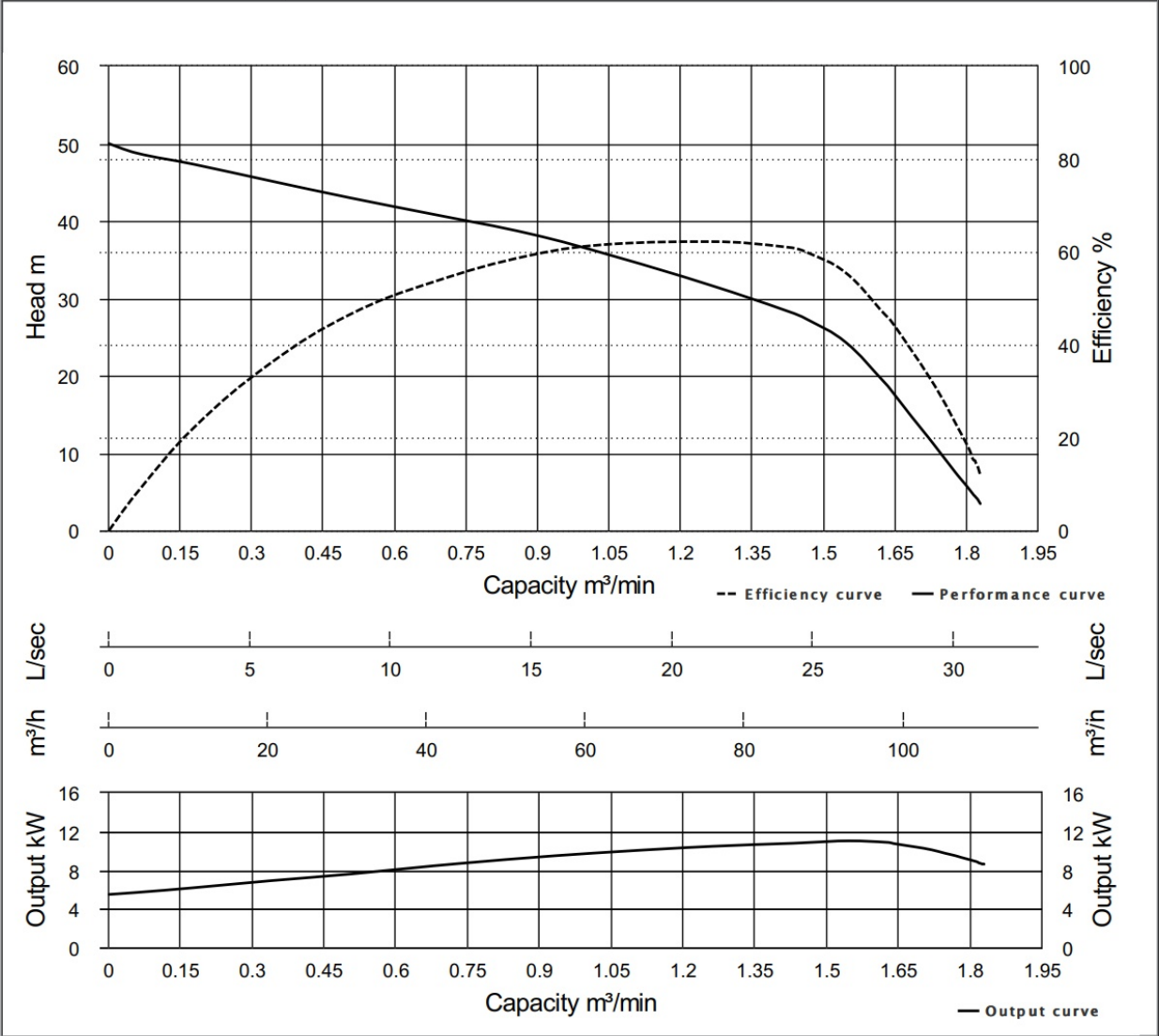


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	100HD211					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	4" / 100 mm					
Power	15 HP / 11 kW					
Std. Head	36 m					
Std. Capacity	1 m³/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	DOL					
Insulation Class	H					

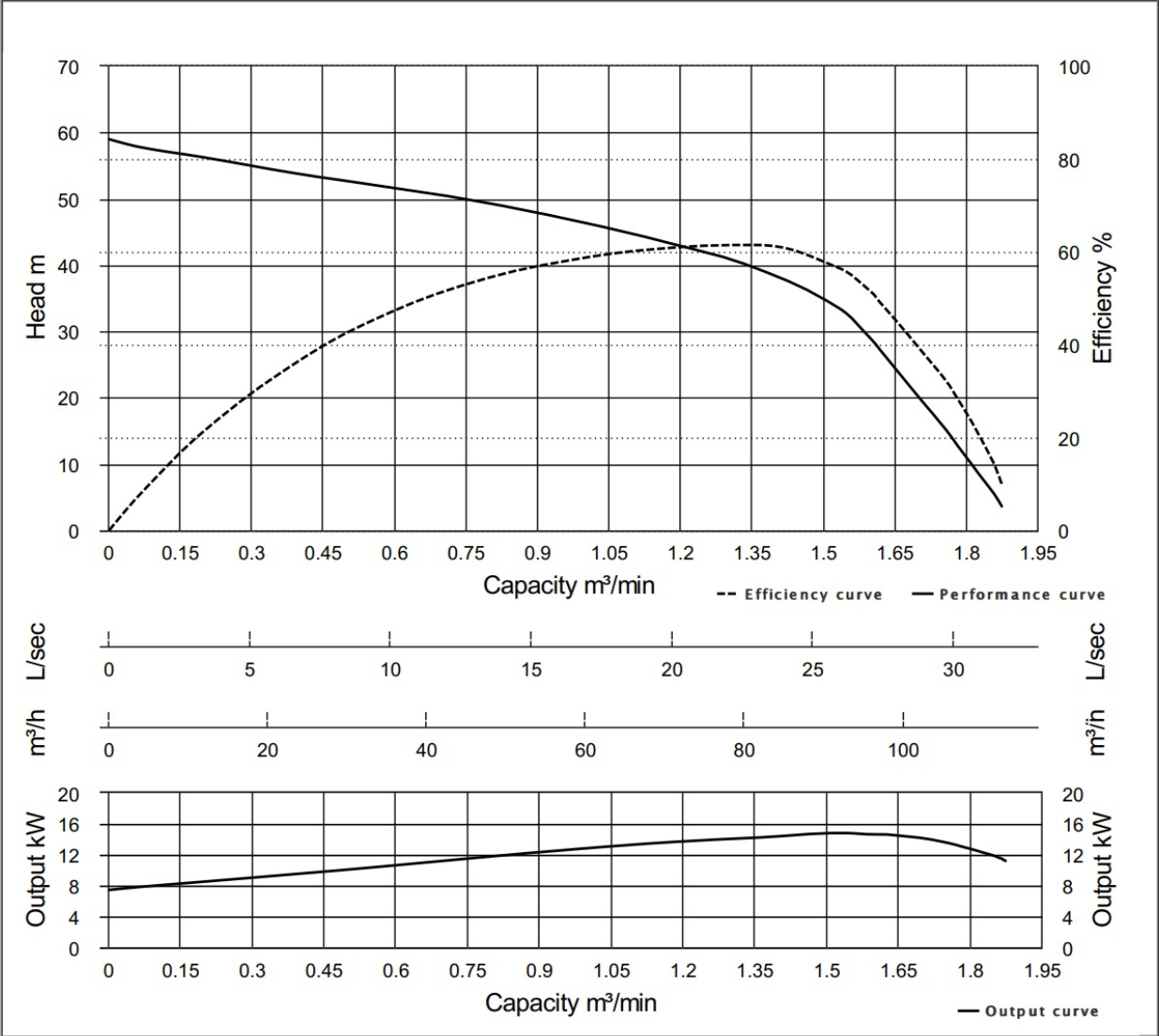


HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES						
Model	100HD215					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	4" / 100 mm					
Power	20 HP / 15 kW					
Std. Head	46 m					
Std. Capacity	1 m³/min					
Volt	230 V	380 V	400 V	415 V	525 V	
Rated Current	52 A	29.2 A	28.6 A	28.6 A	22.8 A	
Pole / rpm	2 P / 2900 rpm					
Start Method	DOL					
Insulation Class	H					



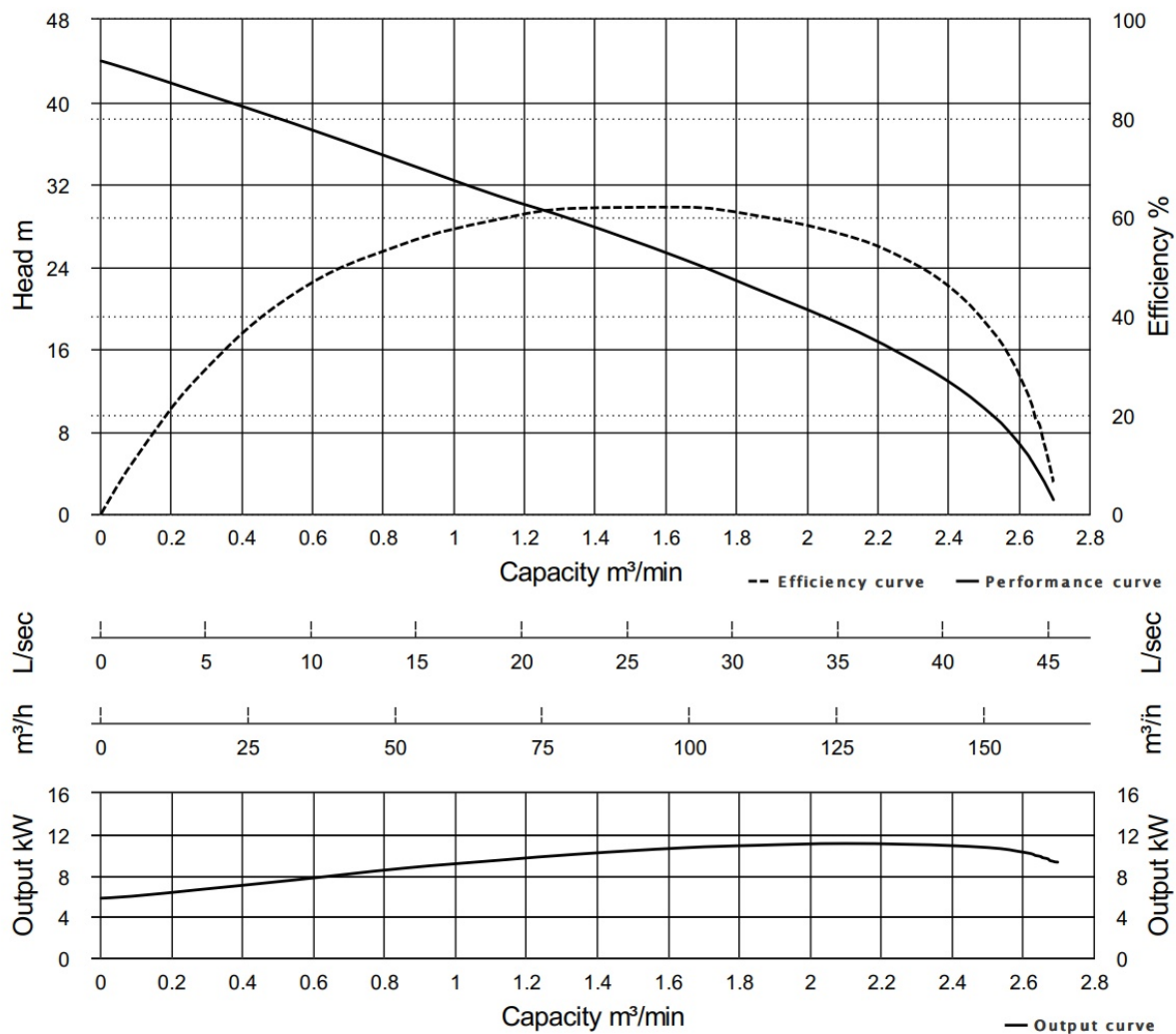
HCP PUMP MANUFACTURER CO., LTD.



HCP PUMP

PUMP PERFORMANCE CURVES

Model	150HD211					Ver NO.	BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION	
Discharge	6" / 150 mm						
Power	15 HP / 11 kW						
Std. Head	26.5 m						
Std. Capacity	1.5 m³/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	DOL						
Insulation Class	H						

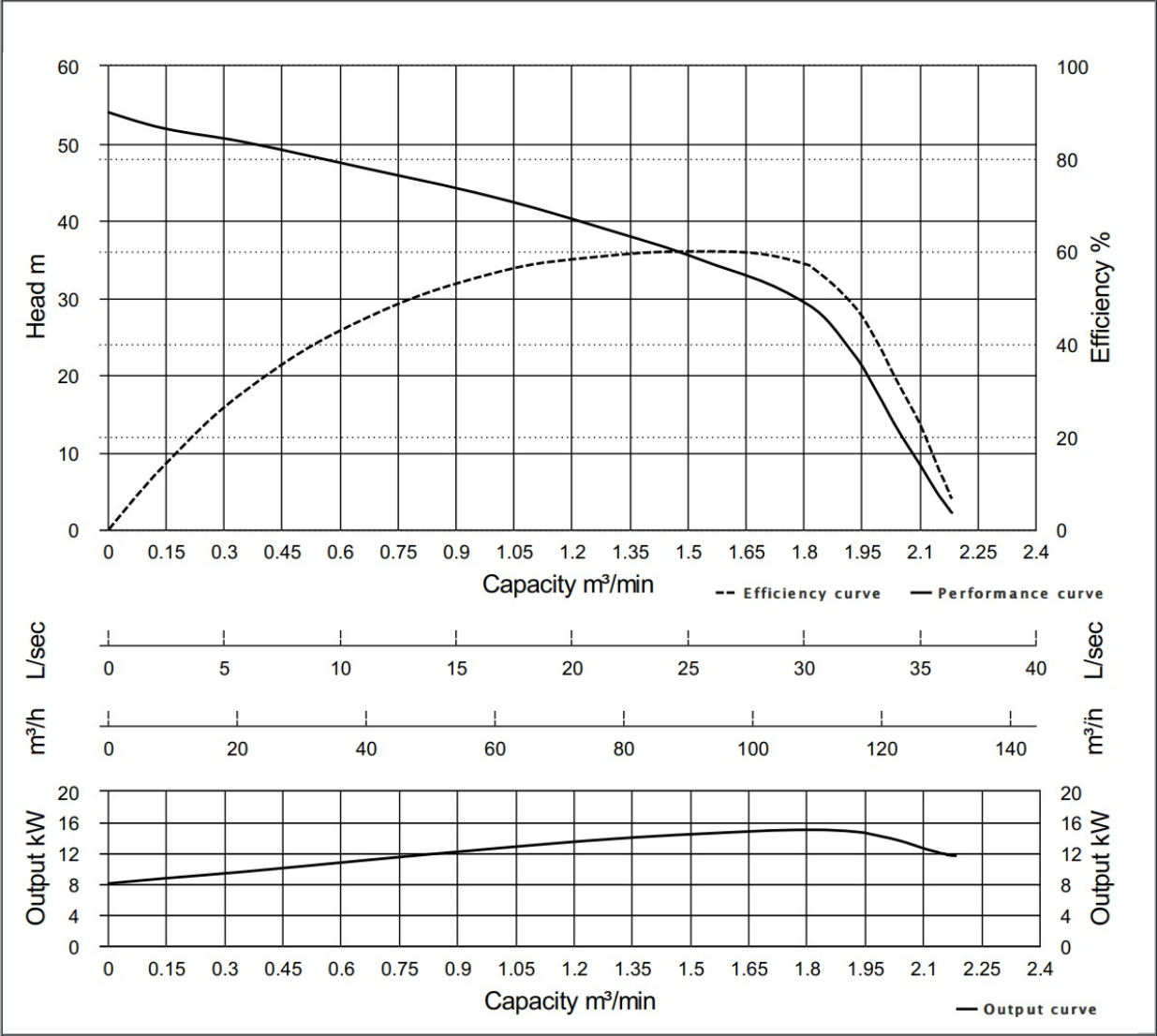


HCP PUMP MANUFACTURER CO., LTD.

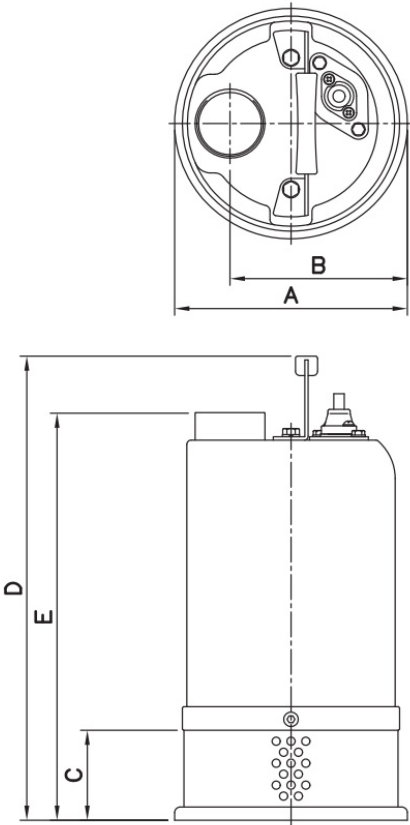


HCP PUMP

PUMP PERFORMANCE CURVES						
Model	150HD215					Ver NO. BB0419
Frequency / Phase	50 Hz / 3 Ø					REFERENCE SPECIFICATION
Discharge	6" / 150 mm					
Power	20 HP / 15 kW					
Std. Head	35 m					
Std. Capacity	1.5 m³/min					
Volt	230 V	380 V	400 V	415 V	525 V	
Rated Current	52 A	29.2 A	28.6 A	28.6 A	22.8 A	
Pole / rpm	2 P / 2900 rpm					
Start Method	DOL					
Insulation Class	H					



HCP PUMP MANUFACTURER CO., LTD.



Pump	
Female Thread	
PF	NPT

Dimensions--mm							Weight:kg
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

Dimensions--inch							Weight:lb
Model	DN	A	B	C	D	E	WT1
50HD21.1 1Ø	2	8 3/4	6 5/16	3 3/8	19	16 7/8	62
50HD21.1 3Ø	2	8 3/4	6 5/16	3 3/8	16 5/8	14 1/8	53

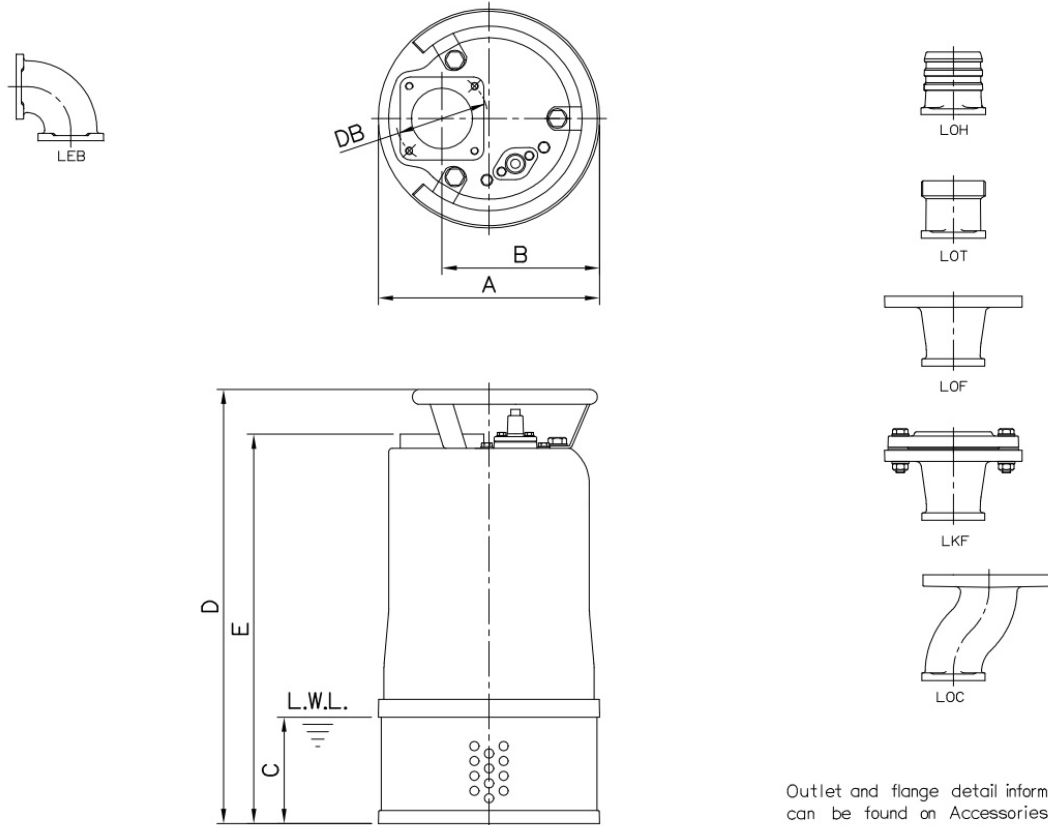
L.W.L.:Lowest Running Water Level

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



HD SERIES

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	LEB
50HD21.5 1Ø	235	168	115	511	465	98	40	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-	LEBX-98
50HD21.5 3Ø	235	168	115	466	421	98	36	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-	LEBX-98
50HD22.2 1Ø	235	168	115	541	496	98	44	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-	LEBX-98
50HD22.2 3Ø	235	168	115	466	421	98	39	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-	LEBX-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	LEBX-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	LEBX-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	LEBX-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	LEBX-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	LEBX-98
100HD23.7 3Ø	235	168	130	511	465	98	44	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-	LEBX-98

Dimensions-inch

Weight:lb

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

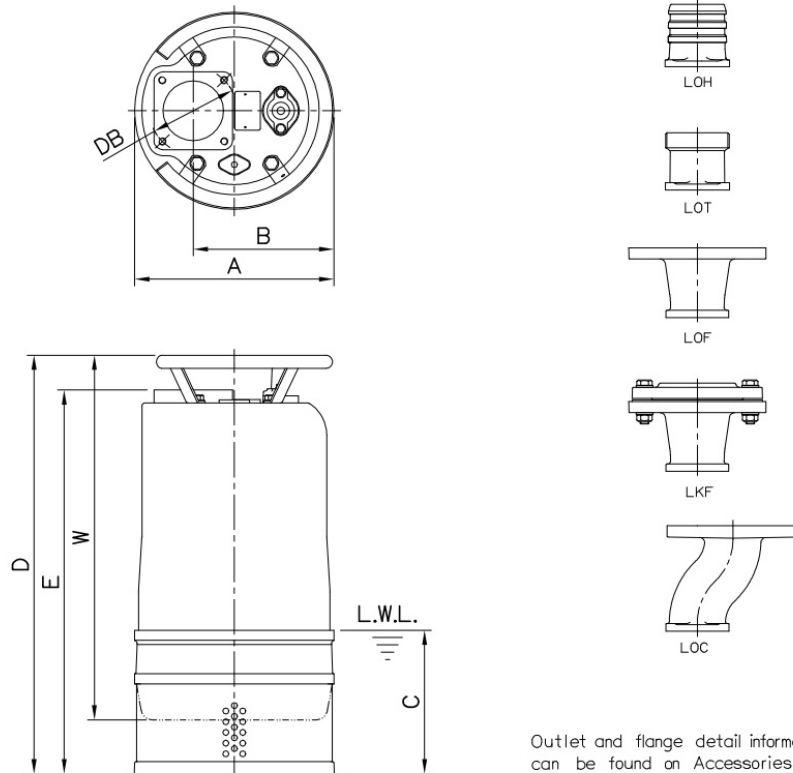
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)



HD SERIES

DIMENSIONS

NO: S6HD02A5030-02
MODEL: 80HD25.5 & 100HD25.5 / 27.5 / 211 / 215 & 150HD25.5 / 27.5 / 211 / 215 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	LOC
80HD25.5	286	206	130	610	550	536	127	72	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	286	206	130	610	550	549	127	75	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD25.5	286	206	130	610	550	557	127	78	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD27.5	286	206	130	610	550	549	127	80	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	286	206	130	610	550	557	127	81	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD211	330	233	200	700	642	610	145	125	LOH4-145	LOT4-145	-	-	LOC4-175*145
100HD215	330	233	200	700	642	610	145	134	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD211	330	233	200	700	642	613	145	124	LOH6-145	LOT6-145	-	-	LOC6-240*145
150HD215	330	233	200	700	642	613	145	133	LOH6-145	LOT6-145	-	-	LOC6-240*145

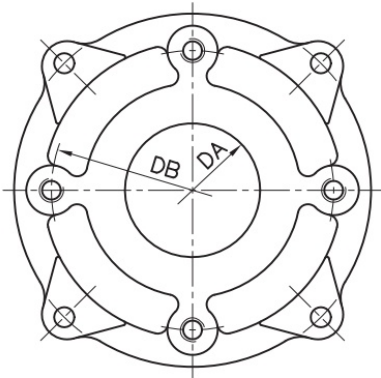
Dimensions—inch

Weight:lb

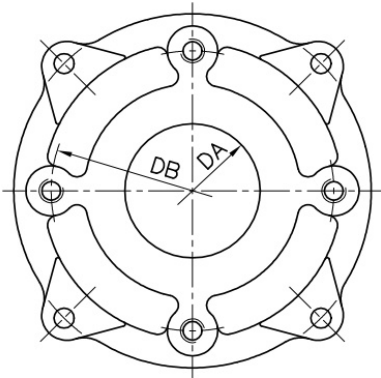
Model	A	B	C	D	E	W	DB	WT1	Optional Outlet Accessories				
									LOH	LOT	LOF	LKF	LOC
80HD25.5	11 $\frac{3}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	21 $\frac{1}{2}$	5	159	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	11 $\frac{3}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	21 $\frac{1}{2}$	5	165	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD25.5	11 $\frac{3}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	21 $\frac{1}{2}$	5	172	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD27.5	11 $\frac{3}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	21 $\frac{1}{2}$	5	176	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	11 $\frac{3}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	21 $\frac{1}{2}$	5	179	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD211	13	9 $\frac{3}{16}$	7 $\frac{7}{8}$	27 $\frac{7}{8}$	25 $\frac{3}{4}$	24	5 $\frac{5}{8}$	276	LOH4-145	LOT4-145	-	-	LOC4-175*145
100HD215	13	9 $\frac{3}{16}$	7 $\frac{7}{8}$	27 $\frac{7}{8}$	25 $\frac{3}{4}$	24	5 $\frac{5}{8}$	295	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD211	13	9 $\frac{3}{16}$	7 $\frac{7}{8}$	27 $\frac{7}{8}$	25 $\frac{3}{4}$	24 $\frac{1}{2}$	5 $\frac{5}{8}$	273	LOH6-145	LOT6-145	-	-	LOC6-240*145
150HD215	13	9 $\frac{3}{16}$	7 $\frac{7}{8}$	27 $\frac{7}{8}$	25 $\frac{3}{4}$	24 $\frac{1}{2}$	5 $\frac{5}{8}$	293	LOH6-145	LOT6-145	-	-	LOC6-240*145

L.W.L.:Lowest Running Water Level

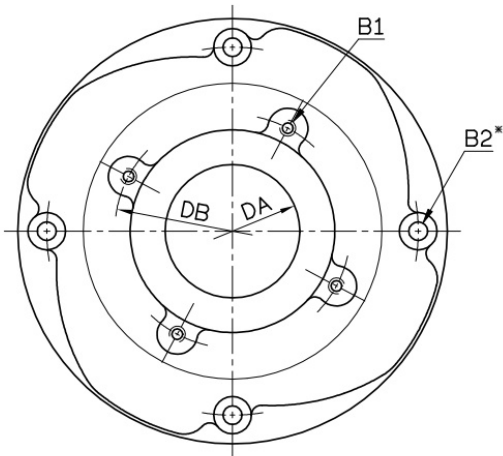
WT1: Pump Weight (Without Cable)
W is the dimension from handle to casing (cover).



Application Model	Dimensions-mm		Dimensions-inch		Drilling	Suggested Bolts	(n)QTY
	DA	DB	DA	DB			
80HD21.5	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12	M12*25	4
80HD22.2	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12	M12*25	4
80HD23.7	67	140	2 ⁵ / ₈	5 ¹ / ₂	M12	M12*25	4
100HD23.7	80	150	3	6	M12	M12*25	4



Application Model	Dimensions-mm		Dimensions-inch		Drilling	Suggested Bolts	(n)QTY
	DA	DB	DA	DB			
100HD25.5 ADTC	87	150	3 ³ / ₁₆	6	M12	M12*25	4
100HD27.5 ADTC	87	150	3 ³ / ₁₆	6	M12	M12*25	4
150HD25.5 ADTC	97	175	3 ⁷ / ₁₆	7	M12	M12*25	4
150HD27.5 ADTC	97	175	3 ⁷ / ₁₆	7	M12	M12*25	4



Application Model	Dimensions-mm		Dimensions-inch		Drilling	Suggested Bolts		(n)QTY	
	DA	DB	DA	DB		B1	B2*	B1	B2*
100HD211 ADTC	100	175	4	7	M12	M12*30	M12*60	4	4
100HD215 ADTC	100	175	4	7	M12	M12*30	M12*60	4	4
150HD211 ADTC	100	175	4	7	M12	M12*30	M12*60	4	4
150HD215 ADTC	100	175	4	7	M12	M12*30	M12*60	4	4

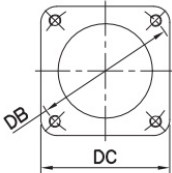
*Bolts(B₂) has been attaching and locked.
 Optional Casing (15HP~20HP) Casing Cover (7.5HP~10HP)

DIMENSIONS

NO: SOHD0000000-00

MODEL: Outlet (2"~6")

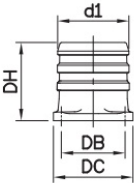
OUTLET CONNECTION



Model	mm		inch		Drilling
	DB	DC	DB	DC	
1.5~3.7kW	98	89	3 7/8	3 1/2	M8
5.5~7.5kW	127	112	5	4 1/8	M10
11~15kW	145	130	5 7/8	5 1/8	M12

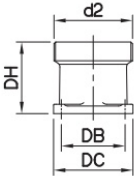
OPTIONAL OUTLET ACCESSORIES

LOH



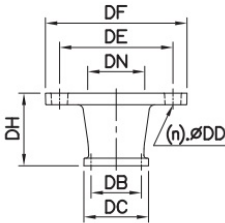
LOH	Dimensions-mm					kg	Dimensions-inch					lb
	d1	DB	DC	DH	Weight		d1	DB	DC	DH	Weight	
LOH2-98	50	98	89	80	1		2	3 7/8	3 1/2	3 1/8	2	
LOH3-98	80	98	89	100	2		3	3 7/8	3 1/2	3 9/16	4	
LOH3-127	80	127	112	110	2		3	5	4 1/8	4 1/8	4	
LOH4-98	100	98	89	115	2		4	3 7/8	3 1/2	4 1/2	4	
LOH4-127	100	127	112	110	3		4	5	4 1/8	4 1/8	7	
LOH6-127	150	127	112	172	5		6	5	4 1/8	6 3/4	11	
LOH4-145	100	145	130	120	3		4	5 1/8	5 1/8	4 3/4	7	
LOH6-145	150	145	130	175	5		6	5 1/8	5 1/8	6 7/8	11	

LOT



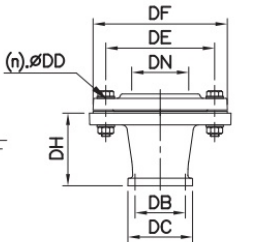
LOT	Dimensions-mm					kg	Dimensions-inch					lb	Thread Available
	d2	DB	DC	DH	Weight		d2	DB	DC	DH	Weight		
LOT2-98	50	98	89	80	1		2	3 7/8	3 1/2	3 1/8	2		PF PT NPT
LOT3-98	80	98	89	80	2		3	3 7/8	3 1/2	3 1/8	4		PF PT NPT
LOT3-127	80	127	112	85	2		3	5	4 1/8	3 3/8	4		PF PT NPT
LOT4-98	100	98	89	100	2		4	3 7/8	3 1/2	3 9/16	4		PF PT NPT
LOT4-127	100	127	112	85	2		4	5	4 1/8	3 3/8	4		PF PT NPT
LOT6-127	150	127	112	140	4		6	5	4 1/8	5 1/2	9		PF PT NPT
LOT4-145	100	145	130	100	3		4	5 1/8	5 1/8	3 3/8	7		PF PT NPT
LOT6-145	150	145	130	150	5		6	5 1/8	5 1/8	5 7/8	11		PF PT NPT

LOF



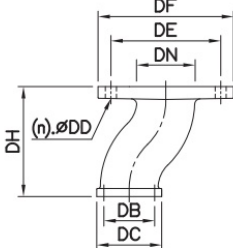
LOF	Dimensions-mm								kg	Dimensions-inch								lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH	Weight		DN	DB	DC	DD	DE	DF	DH	Weight		
LOF2-120~125*98	50	98	89	19	120~125	160	90	3		2	3 7/8	3 1/2	3/4	4 1/4~4 5/8	6 1/8	3 3/8	7		4
LOF3-150~160*98	80	98	89	19	150~160	195	100	4		3	3 7/8	3 1/2	3/4	5 3/4~6 5/8	7 1/8	3 1/8	9		8
LOF3-150~160*127	80	127	112	19	150~160	195	110	7		3	5	4 1/8	3/4	5 1/4~6 1/8	7 1/8	4 1/8	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 1/8~7 1/2	8 7/8	3 1/8	13		8
LOF4-175~190*127	100	127	112	19	175~190	225	110	10		4	5	4 1/8	3/4	6 1/8~7 1/2	8 7/8	4 1/8	22		8
LOF6-240*127	150	127	112	23	240	280	140	14		6	5	4 1/8	7/8	9 1/8	11	5 1/2	31		8

LKF



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	1 1/8	4 3/4	6 1/8	3 3/8	11		4	PT NPT
LKF3-150*98	80	98	89	15	150	185	100	8		3	3 7/8	3 1/2	1 1/8	5 3/4	7 1/8	3 3/8	18		8	PT NPT
LKF3-150*127	80	127	112	15	150	185	110	8		3	5	4 1/8	1 1/8	5 3/4	7 1/8	4 1/8	15		8	PT NPT
LKF4-175*98	100	98	89	15	175	210	100	10		4	3 7/8	3 1/2	1 1/8	6 1/8	8 3/4	3 3/8	22		8	PT NPT
LKF4-175*127	100	127	112	15	175	210	110	10		4	5	4 1/8	1 1/8	6 1/8	8 3/4	4 1/8	22		8	PT NPT
LKF6-240*127	150	127	112	23	240	280	140	20		6	5	4 1/8	7/8	9 1/8	11	5 1/2	44		8	PT NPT

LOC



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



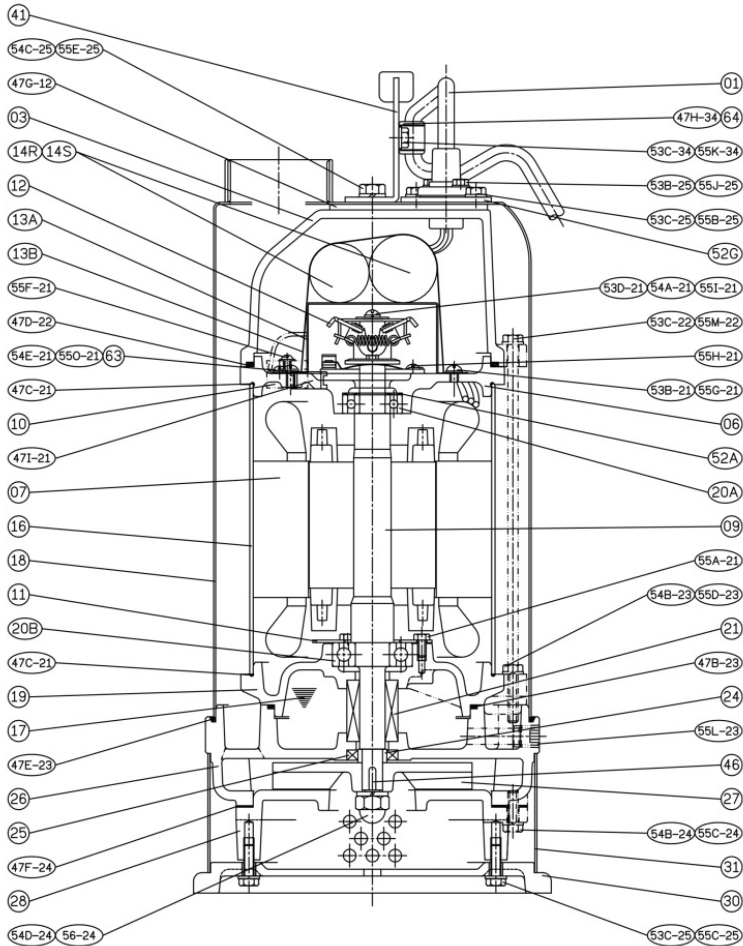
HD SERIES

SECTIONAL VIEWS

NO: 02HD0211010-3

MODEL: 50HD21.1

10



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover	FCD500	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304+NBR	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



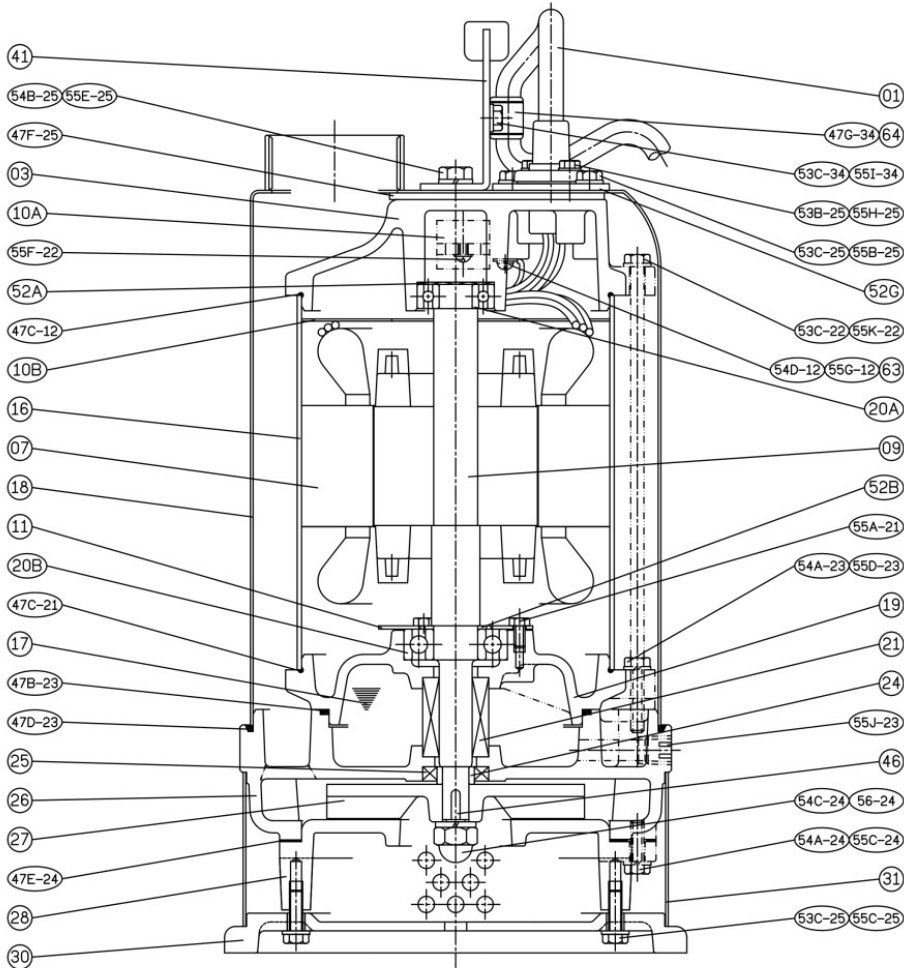
HD SERIES

SECTIONAL VIEWS

NO: 02HD0211030-2

MODEL: 50HD21.1

30



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover	FCD500	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304+NBR	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



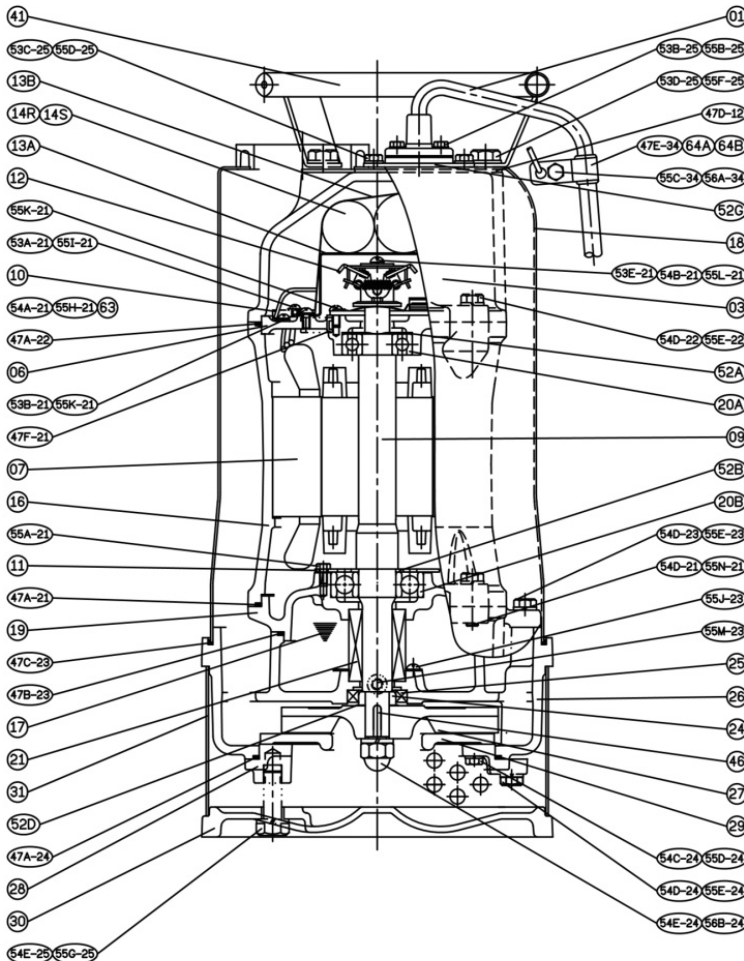
HD SERIES

SECTIONAL VIEWS

NO: 02HD0215010-0

MODEL: 50HD21.5

10



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	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 Kit		

HCP PUMP

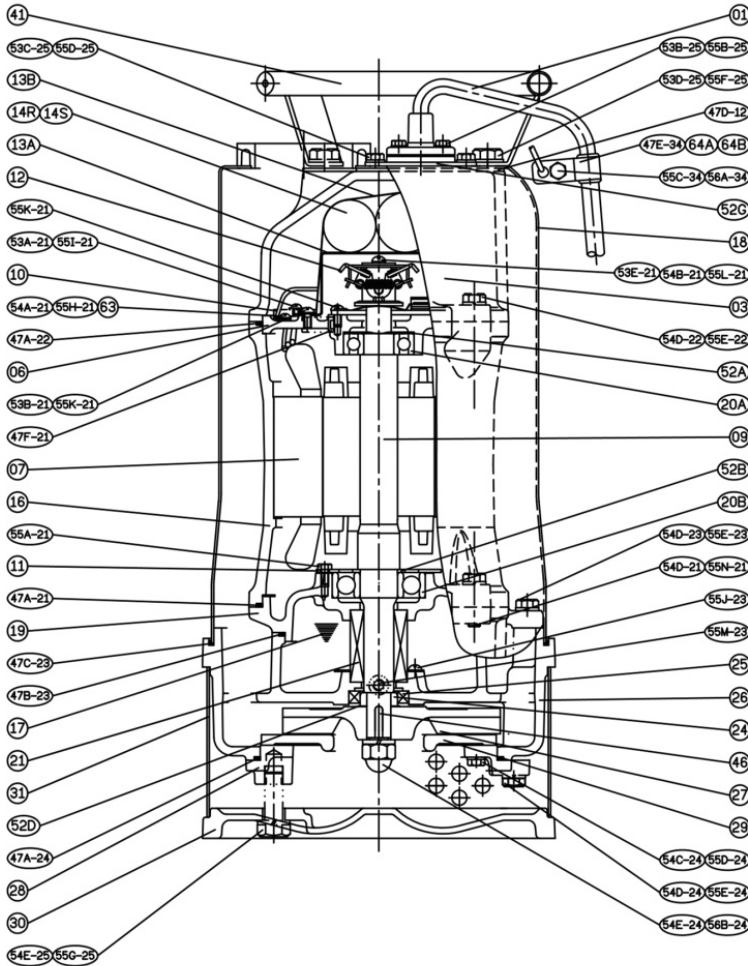
HD SERIES

SECTIONAL VIEWS

NO: 02HD0222010-0

MODEL: 50HD22.2

10



NO.	Part name	Material	QTY	NO.	Part name	Material	QTY
01	Cable		1	20A	Bearing		1
03	Upper Cover	FC200	1	20B	Bearing		1
06	Bracket	FC200	1	21	M. Seal	CA/CE & SiC/SiC	1
07	Stator		1	24	Oil Seal Bush	SUS403	1
09	Shaft End	SUS403	1	25	Oil Seal	SUS304+NBR	1
10	Auto-cut Protector		1	26	Casing	FC200	1
11	Bearing Fixer	SPCC	1	27	Impeller	HiCrFC	1
12	Centrifugal Switch		1	28	Casing Cover	FC200	1
14R	Capacitor		1	29	Wear plate	HiCrFC	1
14S	Start Capacitor		1	30	Footing	FC200	1
16	Motor Frame	FC200	1	31	Strainer	SUS304	1
17	Lubricant			41	Handle	SUS304	1
18	Outer Cover	SUS304	1	46	Impeller Key	SUS304	1
19	Bearing Bracket	FC200	1	47	Gasket Kit		



HCP PUMP

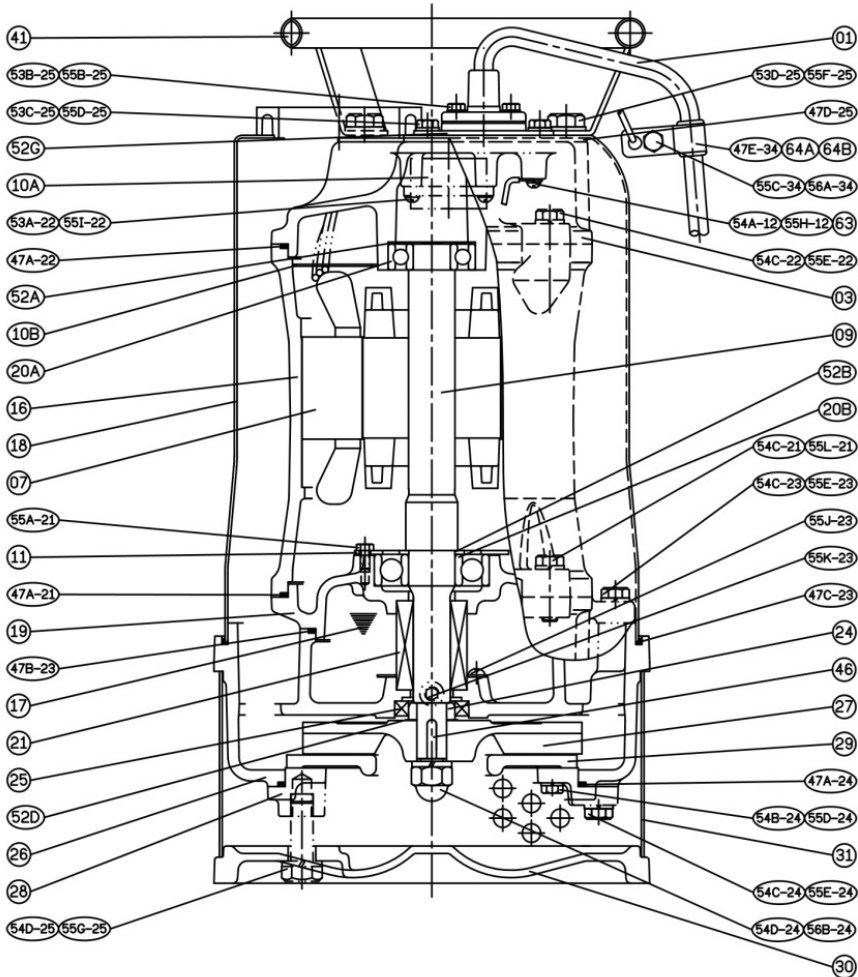
HD SERIES

SECTIONAL VIEWS

NO: 02HD0222030-0

MODEL: 50HD21.5 / 22.2

3Ø



NO.	Part name	Material	QTY	NO.	Part name	Material	QTY
01	Cable		1	24	Oil Seal Bush	SUS403	1
03	Upper Cover	FC200	1	25	Oil Seal	SUS304+NBR	1
07	Stator		1	26	Casing	FC200	1
09	Shaft End	SUS403	1	27	Impeller	HiCrFC	1
10A	Auto-cut Protector		1	28	Casing Cover	FC200	1
10B	Protective Plate		1	29	Wear plate	HiCrFC	1
11	Bearing Fixer	SPCC	1	30	Footing	FC200	1
16	Motor Frame	FC200	1	31	Strainer	SUS304	1
17	Lubricant			41	Handle	SUS304	1
18	Outer Cover	SUS304	1	46	Impeller Key	SUS304	1
19	Bearing Bracket	FC200	1	47	Gasket Kit		
20A	Bearing		1				
20B	Bearing		1				
21	M. Seal	CA/CE & SiC/SiC	1				



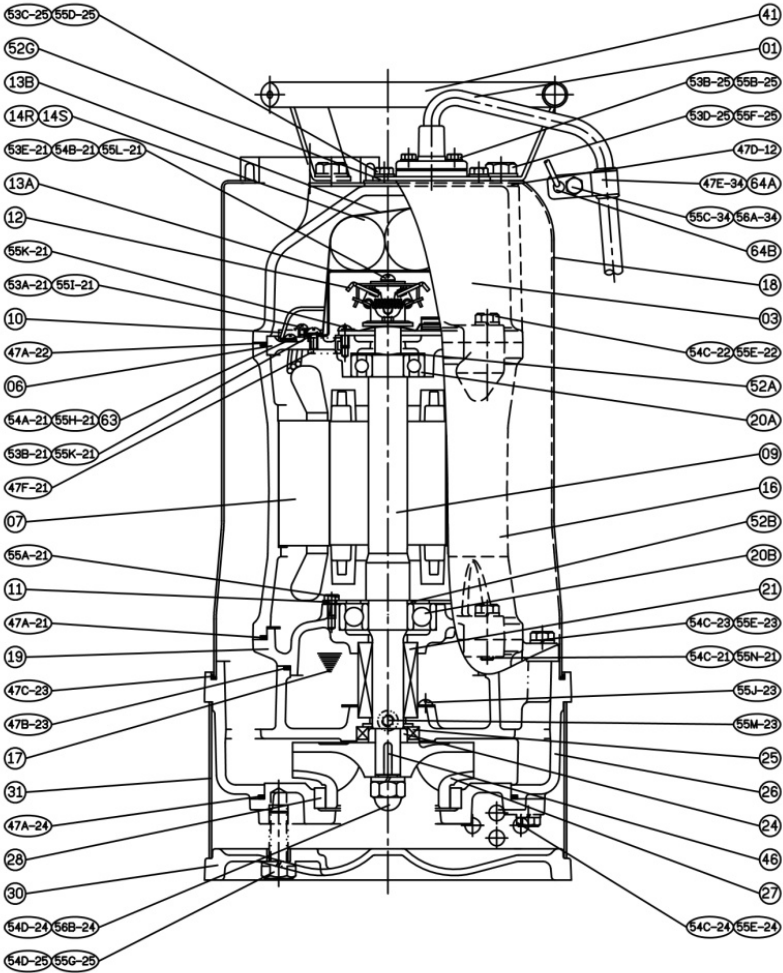
HD SERIES

SECTIONAL VIEWS

NO: 03HD0215010-0

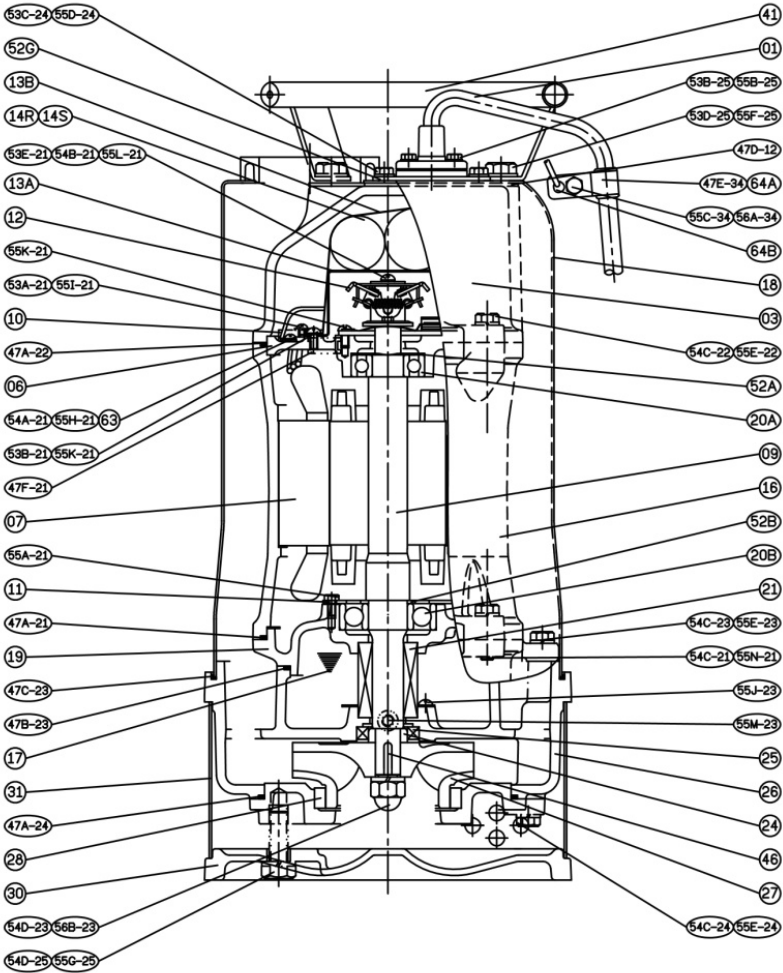
MODEL: 80HD21.5

10



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover+Wear Ring	FC200+HiCrFC	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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover+Wear Ring	FC200+HiCrFC	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



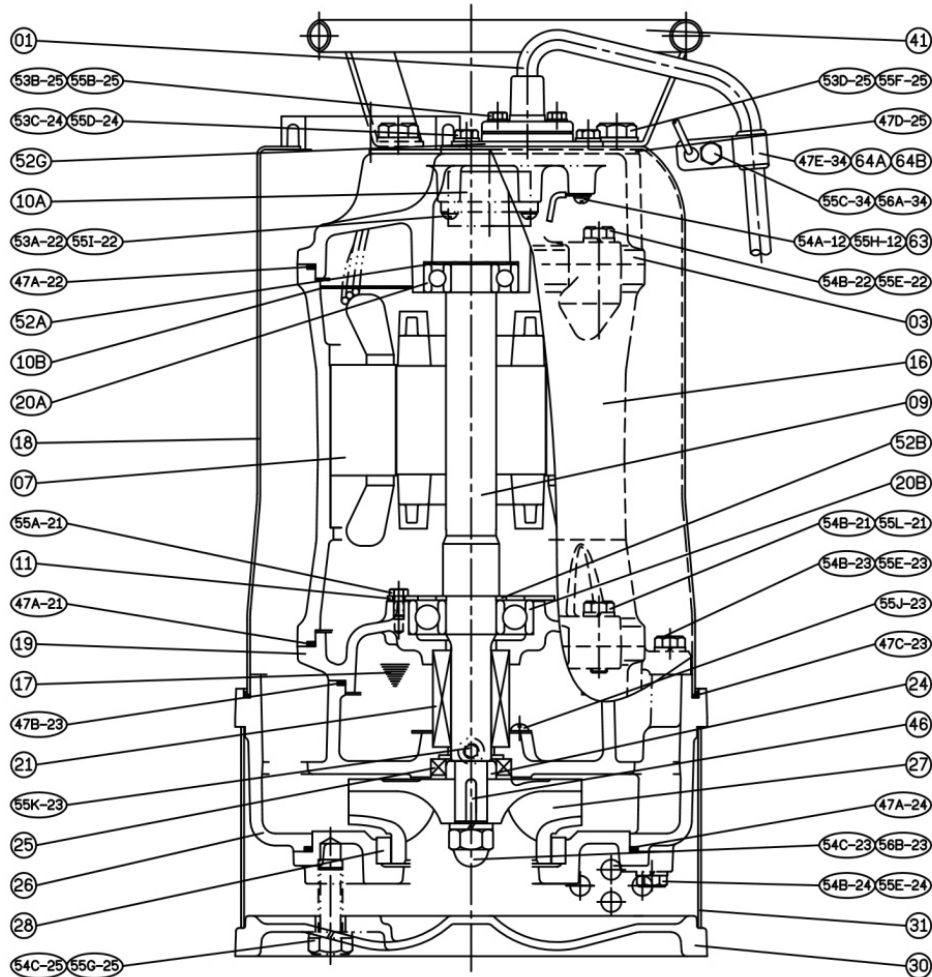
HD SERIES

SECTIONAL VIEWS

NO: 03HD0222030-0

MODEL: 80HD21.5 / 22.2

3Ø



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover+Wear Ring	FC200+HiCrFC	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



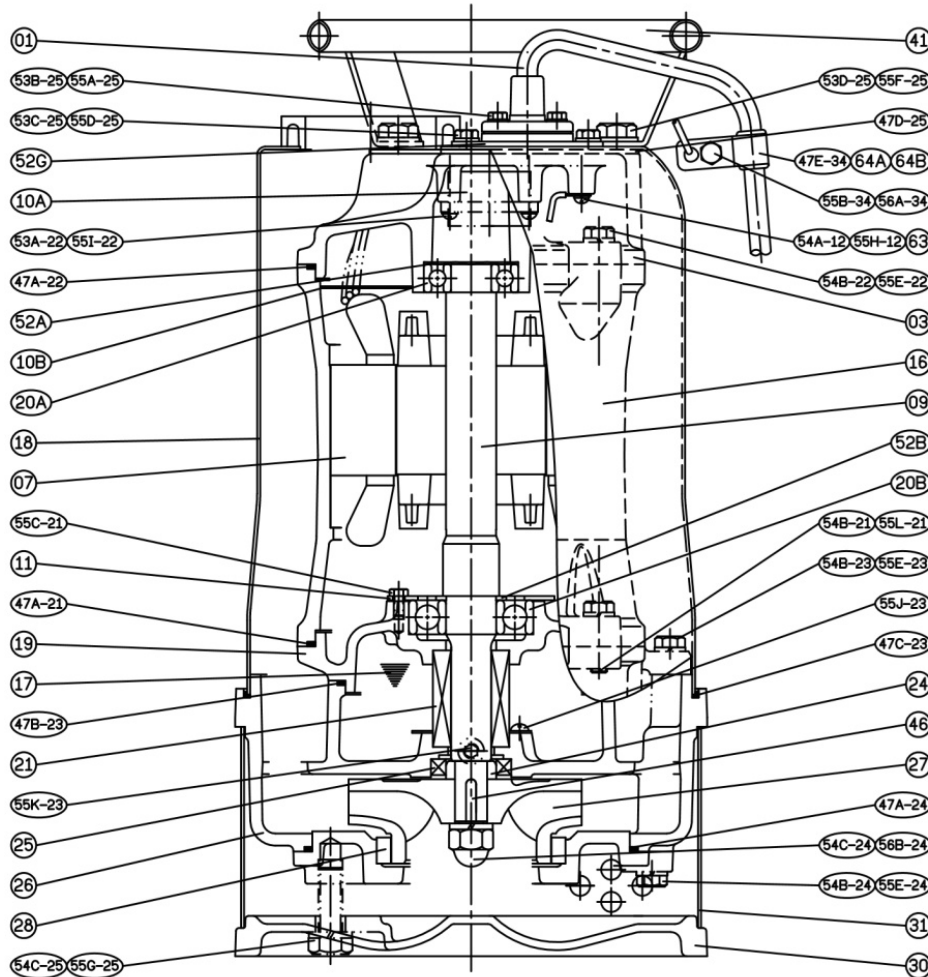
HD SERIES

SECTIONAL VIEWS

NO: 04HD0237030-0

MODEL: 80HD23.7 & 100HD23.7

3Ø



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover+Wear Ring	FC200+HiCrFC	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		



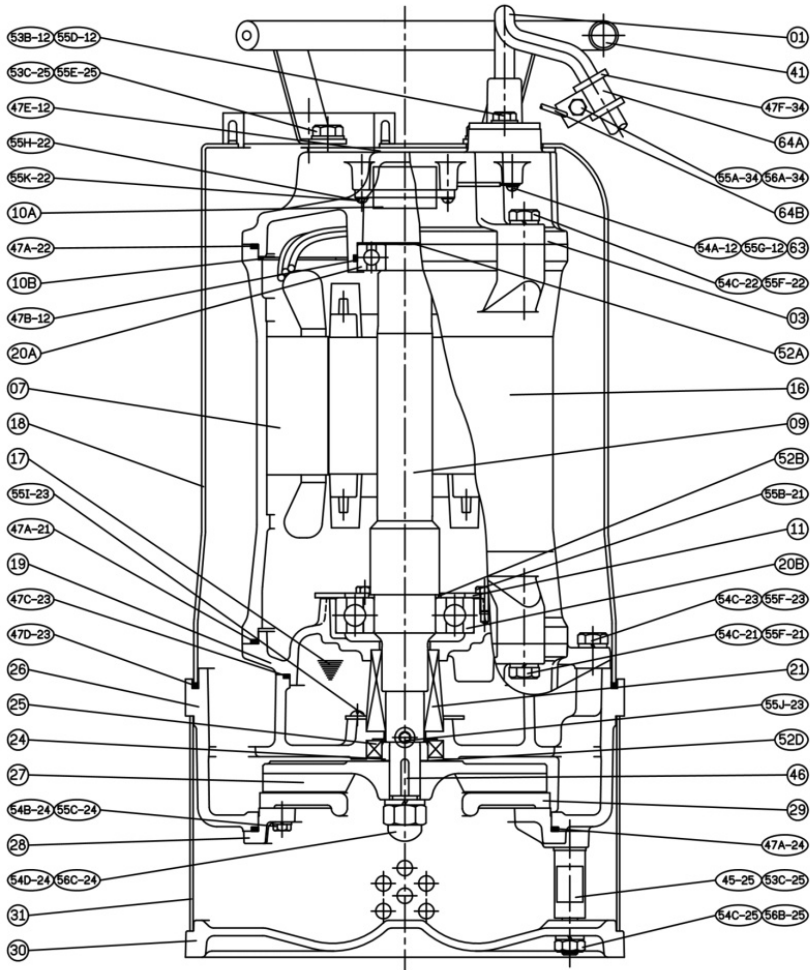
HD SERIES

SECTIONAL VIEWS

NO: 03HD0255030-1

MODEL: 80HD25.5

3Ø



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	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 Kit		



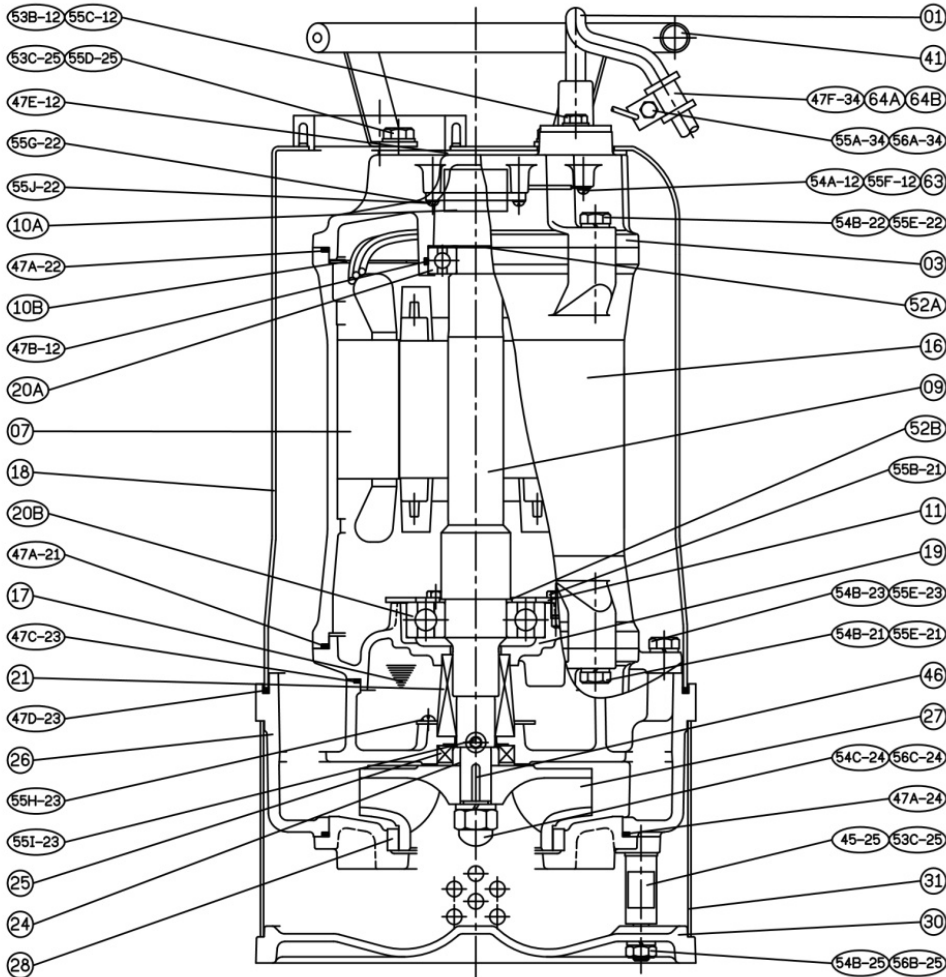
HD SERIES

SECTIONAL VIEWS

NO: 06HD0275030-1

MODEL: 100HD25.5 / 27.5 & 150HD27.5

3Ø



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	SUS304+NBR	1
26	Casing	FC200	1
27	Impeller	HiCrFC	1
28	Casing Cover+Wear Ring	FC200+HiCrFC	1
30	Footing	FC200	1
31	Strainer	SUS304	1
41	Handle	SUS304	1
46	Impeller Key	SUS304	1
47	Gasket Kit		

HCP PUMP

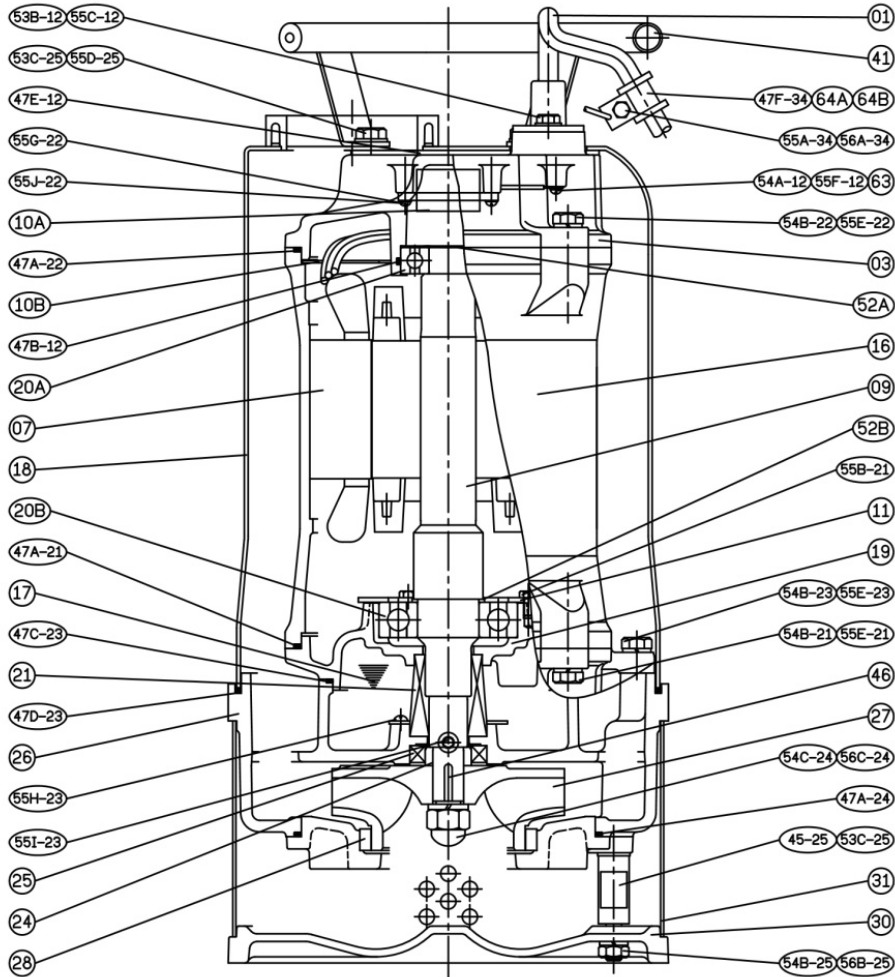
HD SERIES

SECTIONAL VIEWS

NO: 06HD0255030-1

MODEL: 150HD25.5

3Ø



NO.	Part name	Material	QTY	NO.	Part name	Material	QTY
01	Cable		1	24	Oil Seal Bush	SUS403	1
03	Upper Cover	FC200	1	25	Oil Seal	SUS304+NBR	1
07	Stator		1	26	Casing	FC200	1
09	Shaft End	SUS304	1	27	Impeller	HiCrFC	1
10A	Auto-cut Protector		1	28	Casing Cover+Wear Ring	FC200+HiCrFC	1
10B	Protective Plate		1	30	Footing	FC200	1
11	Bearing Fixer	SPCC	1	31	Strainer	SUS304	1
16	Motor Frame	FC200	1	41	Handle	SUS304	1
17	Lubricant			46	Impeller Key	SUS304	1
18	Outer Cover	SUS304	1	47	Gasket Kit		
19	Bearing Bracket	FC200	1				
20A	Bearing		1				
20B	Bearing		1				
21	M. Seal	CA/CE & SiC/SiC	1				



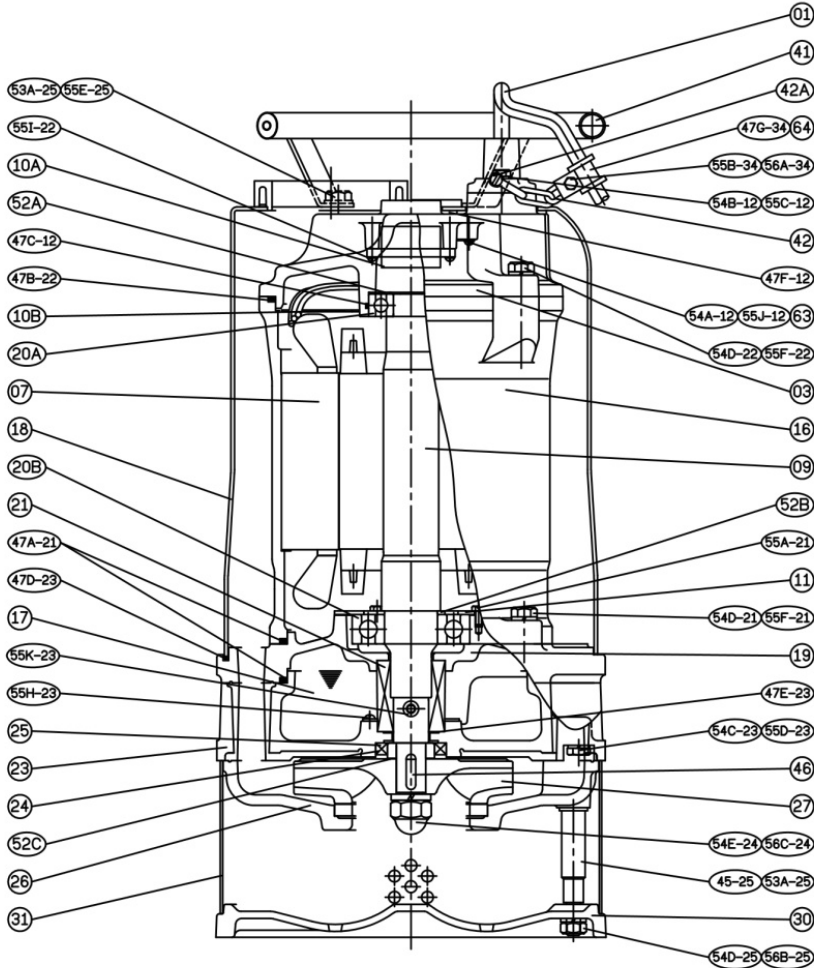
HD SERIES

SECTIONAL VIEWS

NO: 06HD02A5030-0

MODEL: 100HD211 / 215 & 150HD215

3Ø



NO.	Part name	Material	QTY
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
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
23	M. Seal Bracket	FC200+EPDM	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	SUS304+NBR	1
26	Casing+Wear Plate	FCD500+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 Kit		



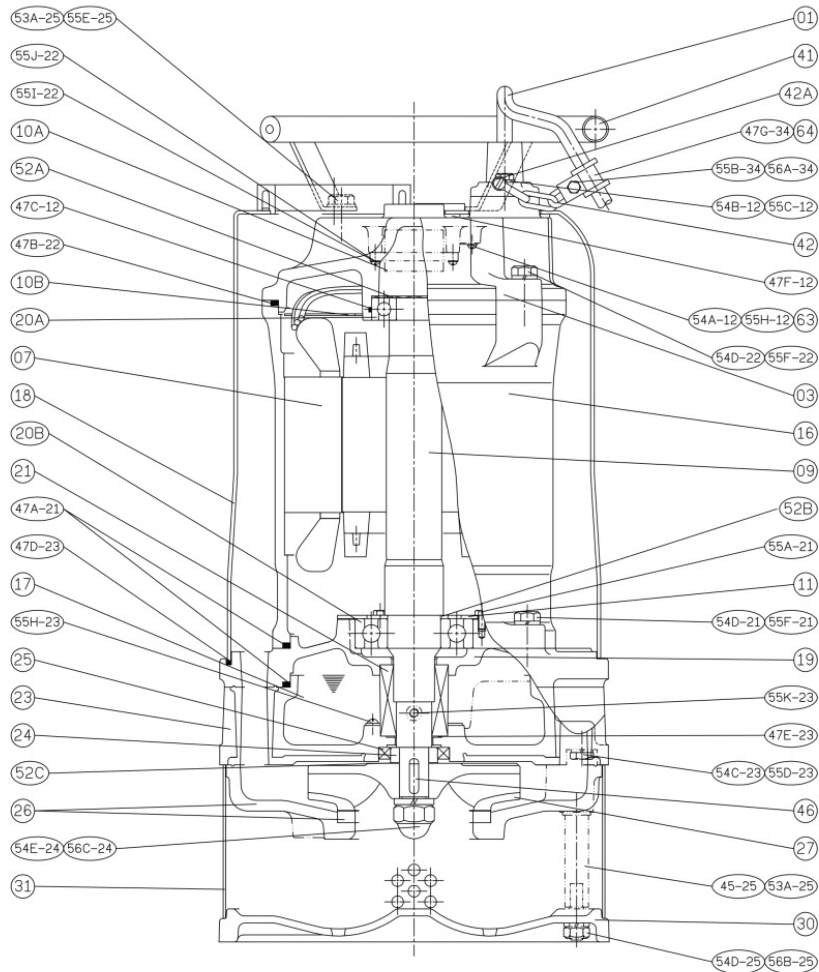
HD SERIES

SECTIONAL VIEWS

NO: 06HD02A1030-0

MODEL: 150HD211

30



NO.	Part name	Material	QTY
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
21	M. Seal	CA/CE & SiC/SiC	1

NO.	Part name	Material	QTY
23	M. Seal Bracket	FC200+EPDM	1
24	Oil Seal Bush	SUS403	1
25	Oil Seal	SUS304+NBR	1
26	Casing+Wear Plate	FCD500+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 Kit		



Professionalism • Innovation • Service • Commitment

A series of horizontal dotted lines spanning the width of the page, intended for handwritten notes or a signature.



Professionalism • Innovation • Service • Commitment

A series of horizontal dotted lines spanning the width of the page, intended for handwritten notes or a signature.