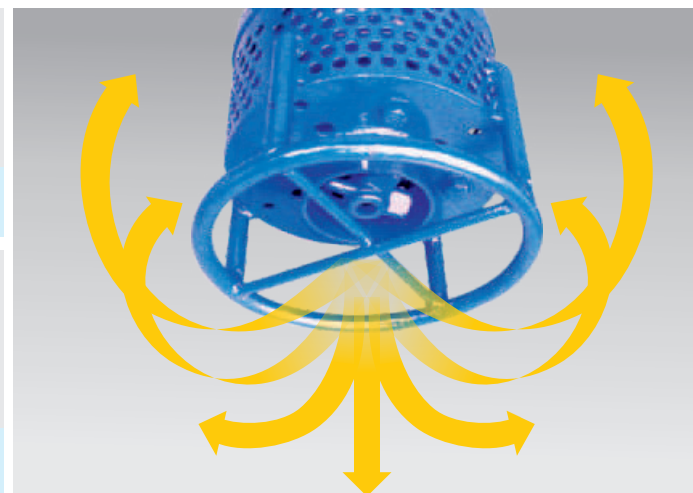


HDG(AG)

CARACTERISTICAS

- Diseñado para trabajos de construcción. El peso ligero del cuerpo de la bomba hace posible que estas bombas sean transportadas a cualquier rincón de las obras.
- Autorefrigerada. Cuando la bomba está en servicio, el agua fluye entre la camisa de enfriamiento y el bastidor del motor, produciendo la reducción de temperatura del motor. Conveniente para operaciones a largo plazo.
- Motor con revestimiento epoxi resistente a la corrosión de las piezas metálicas dando mayor vida útil a la bomba.
- Amplios diseños de impulsor para elegir. La bomba está equipada con impulsor de alta aleación de cromo (HiCrFC) y su anillo de desgaste. El Acero Alto en Cromo puede alcanzar la escala de 55 ~ 60 Rockwell que proporciona resistencia extrema a la abrasión de partículas duras suspendidas en el agua en el sitio de construcción.
- Un agitador es fijado en el impulsor, produciendo una fuerte corriente, levantando y mezclando el sedimento con el agua para el bombeo. El agitador está hecho de hierro fundido dúctil (FCD700).

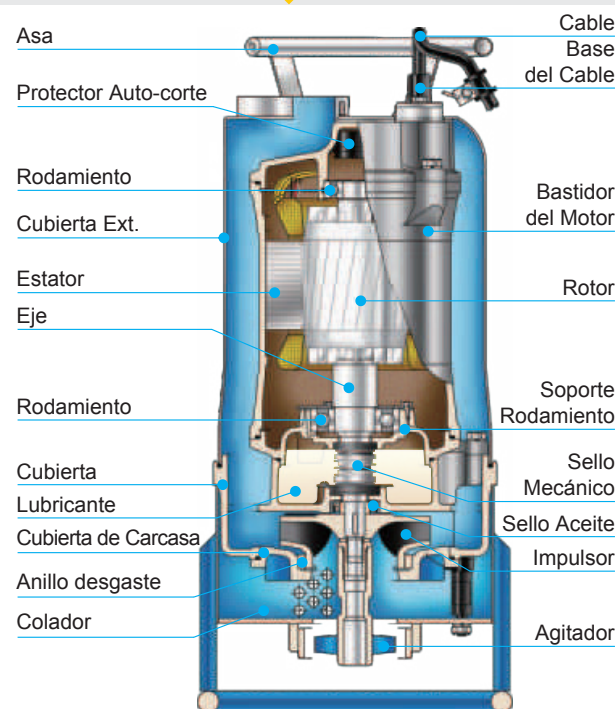


APLICACIONES

- Obras Civiles / Ingenieriles y otras aplicaciones de drenaje de aguas.
- Drenaje de agua de túneles y minería.
- Proyectos de mejoramiento fluvial y descarga de sedimentos en suspensión (como grava o arena).
- Drenaje de agua con sedimentos de arena y otras aplicaciones de agua con sedimentos.

NOMENCLATURA PRODUCTO

80	HDG	2	1.5
Descarga mm	Tipo	Polos	kW



SET DESCARGAS OPCIONALES

Rango de descarga de 2 a 6 pulgadas disponibles para las diferentes modelos.

Potencia HP(kW)	Descarga pulg(mm)	Medidas DeE*Orificios	LOH Conexión Manguera	LOT Conexión Hilo Macho	LOF Conexión Brida	LKF Set Doble Brida	LOC(A) Brida en Línea
2(1.5)	2"(50)	98*4	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
5(3.7)	3"(80)	98*4	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
	4"(100)	98*4	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-
7.5(5.5)	3"(80)	127*4	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
10(7.5)	4"(100)	127*4	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
	6"(150)	127*4	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
15(11)	4"(100)	145*4	LOH4-145	LOT4-145	-	-	LOC4-175*145
20(15)	6"(150)	145*4	LOH6-145	LOT6-145	-	-	LOC4-175*145

NOMENCLATURA PRODUCTO

LOH	4	-	98
Tipo	Descarga	DeE(Diámetro entre Ejes)	
LOF	4	-	175 - 190 * 98
Tipo	Descarga	DeE (brida sup.)	DeE (brida inf.)

CARACTERISTICAS DEL PRODUCTO

Base de Cable Epóxica

Una resina epóxica sella la base del cable previniendo que la humedad entre en el motor a través de los núcleos de los cables.

Doble Sello Mecánico

Resistencia superior del sello mecánico a la abrasión fabricado en carburo de silicio para garantizar el mejor efecto de sellado.

Protector Auto-corte

Un protector automático On/Off proteje al motor para evitar que se quemé debido a la alta temperatura y el exceso de amperaje.

Motor en Seco Alta Eficiencia

Todas las bobinas del estator están tratadas con un procedimiento de barniz aislante para lograr el mejor aislamiento, eficiencia y durabilidad.

Professionalism • Innovation • Service • Commitment
HCP PUMP MANUFACTURER CO., LTD.
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Distribuidor :

DHDEN6-1711

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HD(As)/HDG(AG) 60Hz SERIES

BOMBA SUMERGIBLE DRENAJE
BOMBA SUMERGIBLE DRENAJE LODOS



- Diseñada para trabajos de construcción. El peso ligero de la bomba hace posible que se pueda llevar a cualquier rincón del sitio en construcción.
- Diseñado con camisa de refrigeración. Cuando la bomba está bombeando, el flujo de agua pasa entre la camisa de enfriamiento y bastidor del motor reduciendo su temperatura. Conveniente para operaciones a largo plazo.
- El motor cuenta con revestimiento Epoxi que aumenta la resistencia a la corrosión de las piezas metálicas y prolonga la vida útil de la bomba.
- Amplia gama de impulsores para elegir. Bomba equipada con impulsor de alta aleación de cromo (HiCrFC) y anillo de desgaste. Puede alcanzar la escala de 55 ~ 60 Rockwell que proporciona la capacidad de resistencia extrema a la abrasión por partículas duras suspendidas en el agua en el sitio de construcción.
- Completamente equipada, incluyendo cable sellado con resina epóxica (a prueba de agua), protector de auto corte, doble sello mecánico de carburo silicio. Todos los componentes se fabrican bajo estrictos controles de calidad.



Impulsor Semi-Abierto



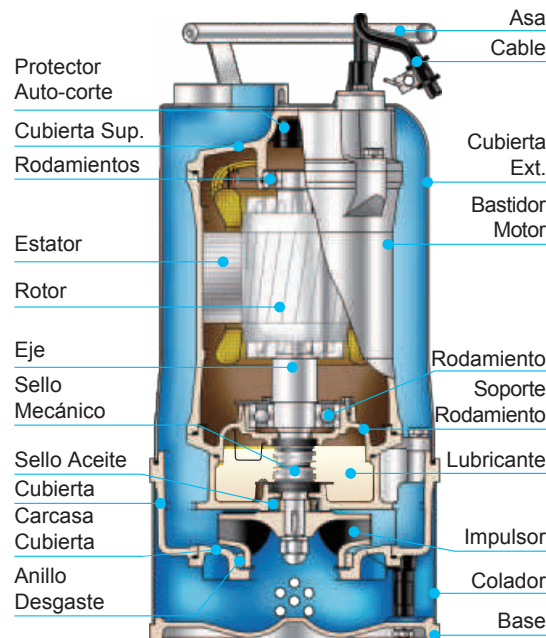
Impulsor Canal Cerrado

APLICACIONES

- Ingeniería Civil y otras aplicaciones de drenaje de aguas de infraestructuras.
- Drenaje de agua de túneles e ingeniería minera.
- Proyectos de mejoramiento fluvial y descarga de sedimentos en suspensión (como arena o grava).
- Drenaje de agua con sedimentos de arena y aplicaciones que contengan otros sedimentos sólidos.

NOMENCLATURA PRODUCTO

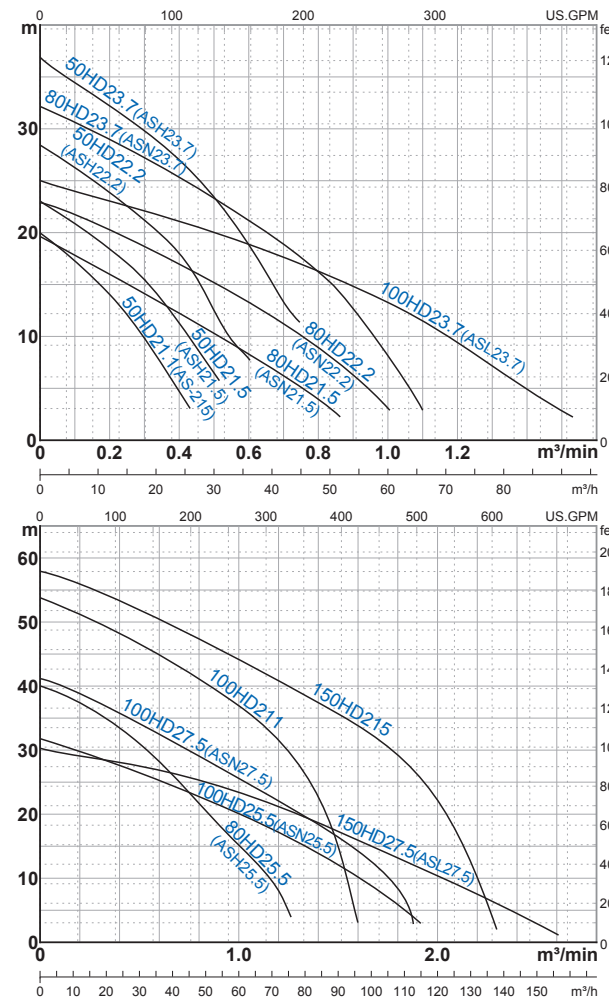
100	HD	2	5.5
Descarga mm	Tipo	Polos	kW



HD_(AS)

BOMBA SUMERGIBLE PARA DRENAJE

CURVAS DE RENDIMIENTO



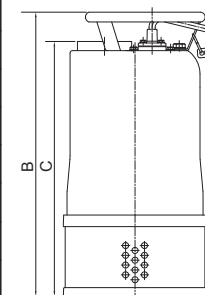
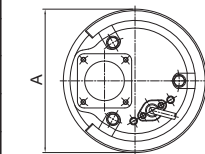
ESPECIFICACIONES

	Item	Descripción
Límites de Uso	Temp. líquido	0~40°C (32~104°F)
	Aplicaciones	Sitios en Construcción • Drenaje de Cuenca
Tipo	Frecuencia	60Hz
	Motor	2P (3600rpm) • Motor en Seco
	Aislación	Clase B (1.5~3HP) • Clase F (5~10HP)
	Protección	IP68
	Protector	Auto-corte
	Rodamiento	Tipo de Bolas
	Sello Mec.	Doble Sello Mec.
	Impulsor	Semi-abierto • Canal cerrado
Material	Cubierta ext.	SUS304
	Cubierta Sup.	FC200
	Bastidor Motor	SUS304 (1.5HP) • FC200 (3~20HP)
	Eje	SUS403 (1.5~3HP) • SUS304 (5~10HP) • SUS403+SUS420J2 (15~20HP)
	Sello Mec.	CA/CE & SIC/SIC
	Carcasa	FC200
	Impulsor	HiCrFC
	Placa Desgaste	HiCrFC (Para Semi abierto:2~7.5HP)
	Anillo desgaste	HiCrFC (Para canal cerrado)
	Cable	VCT ó H07RN-F ó SJOW/SOW
Opcional		Bombas pueden ser personalizadas de acuerdo a las especificaciones. Control de Nivel (1~3HP 1Ø)

ESPECIFICACIONES DE RENDIMIENTO

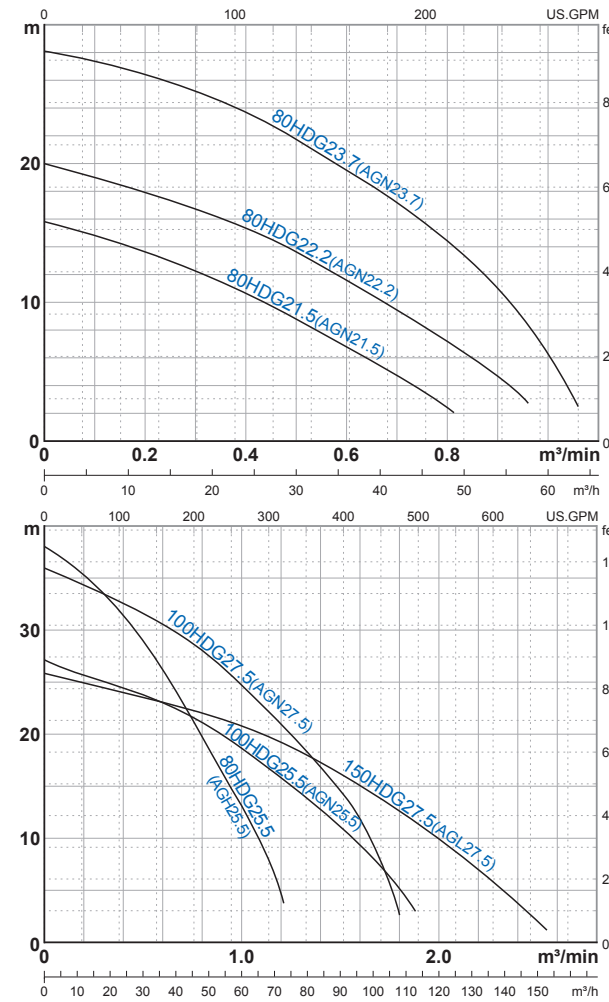
Nota: Pesos sin Cables y Descargas.

Modelo	Potencia HP(kW)	Descarga pulg(mm)	Fases Ø	Método de Arranque	Nominal		Paso Sólidos mm(inch)	Peso kg(lb)		Dimensiones mm					
					m-m³/min	ft-GPM		1Ø	3Ø	A	B C				
											1Ø	3Ø	1Ø	3Ø	
50HD21.1 (AS-215)	1.5(1.1)	2"(50)	3	Condensador Directo	13.5-0.2	44-52	7.5(1/4")	28(62)	24(53)	210	482	423	431	372	
50HD21.5 (ASH21.5)	2(1.5)	2"(50)	3	Condensador Directo	16.5-0.25	54-66	10(3/8")	40(88)	36(79)	235	511	466	465	421	
50HD22.2 (ASH22.2)	3(2.2)	2"(50)	3	Condensador Directo	20.5-0.3	67-80	10(3/8")	44(97)	39(86)	235	541	466	496	421	
50HD23.7 (ASH23.7)	5(3.7)	2"(50)	3	Directo	29.5-0.3	97-80	10(3/8")	-	44(97)	235	-	496	-	451	
80HD21.5 (ASN21.5)	2(1.5)	3"(80)	3	Condensador Directo	10-0.5	33-132	10(3/8")	40(88)	36(79)	235	511	466	465	421	
80HD22.2 (ASN22.2)	3(2.2)	3"(80)	3	Condensador Directo	15-0.5	49-132	10(3/8")	44(97)	39(86)	235	541	466	496	421	
80HD23.7 (ASN23.7)	5(3.7)	3"(80)	3	Directo	22.5-0.5	74-132	10(3/8")	-	44(97)	235	-	496	-	451	
100HD23.7 (ASL23.7)	5(3.7)	4"(100)	3	Directo	13-1.0	43-265	10(3/8")	-	44(97)	235	-	511	-	465	
80HD25.5 (ASH25.5)	7.5(5.5)	3"(80)	3	Directo	30-0.5	98-132	10(3/8")	-	69(152)	286	-	610	-	550	
100HD25.5 (ASN25.5)	7.5(5.5)	4"(100)	3	Directo	20-1.0	66-265	10(3/8")	-	71(157)	286	-	610	-	550	
100HD27.5 (ASN27.5)	10(7.5)	4"(100)	3	Directo	26-1.0	85-265	10(3/8")	-	79(174)	286	-	610	-	550	
150HD27.5 (ASL27.5)	10(7.5)	6"(150)	3	Directo	17-1.5	56-395	10(3/8")	-	81(179)	286	-	610	-	550	
100HD21.1	15(11)	4"(100)	3	Directo	35-1.0	115-265	10(3/8")	-	122(269)	330	-	700	-	642	
150HD21.5	20(15)	6"(150)	3	Directo	35-1.5	115-395	10(3/8")	-	132(291)	330	-	700	-	642	

**HDG(AG)**

BOMBA SUMERGIBLE DRENAJE DE LODOS

CURVAS DE RENDIMIENTO



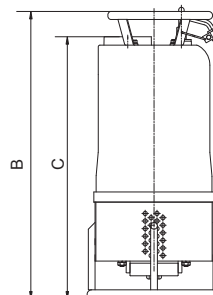
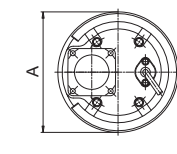
ESPECIFICACIONES

	Item	Descripción
Límites de Uso	Temp. líquido	0~40°C (32~104°F)
	Aplicaciones	Drenaje de Fluidos con Sedimentos
Tipo	Frecuencia	60Hz
	Motor	2P (3600rpm) • Motor en Seco
	Aislación	Clase B (2~3HP) • Clase F (5~10HP)
	Protección	IP68
	Protector	Auto-corte
	Rodamiento	Tipo de Bolas
	Sello Mec.	Doble Sello Mec.
	Impulsor	Semi-abierto • Canal cerrado
Material	Cubierta ext.	SUS304
	Cubierta Sup.	FC200
	Bastidor Motor	FC200
	Eje	SUS403 (2~3HP) • SUS304 (5~10HP)
	Sello Mec.	CA/CE & SIC/SIC
	Carcasa	FC200
	Impulsor	HiCrFC
	Placa Desgaste	HiCrFC (Para Semi-Abierto)
	Anillo desgaste	HiCrFC (Para Canal Cerrado)
	Agitador	FCD700
	Cable	VCT ó H07RN-F ó SJOW/SOW
Opcional		Bombas pueden ser personalizadas de acuerdo a las especificaciones.

ESPECIFICACIONES DE RENDIMIENTO

Nota: Pesos sin Cables y Descargas.

Modelo	Potencia HP(KW)	Descarga pulg.(mm)	Fases Ø	Método de Arranque	Nominal		Paso Sólidos mm(inch)	Peso kg(lb)		Dimensiones mm					
					m-m/mín	ft-GPM		1Ø	3Ø	A	B			C	
											1Ø	3Ø	1Ø	3Ø	1Ø
80HDG21.5 (AGN21.5)	2(1.5)	3"(80)	3	Condensador Directo	8-0.5	28-132	10 ³ (3/8")	41(90)	36(79)	260	592	547	546	502	
80HDG22.2 (AGN22.2)	3(2.2)	3"(80)	3	Condensador Directo	13.5-0.5	44-132	10 ³ (3/8")	45(99)	39(86)	260	622	547	577	502	
80HDG23.7 (AGN23.7)	5(3.7)	3"(80)	3	Directo	21-0.5	69-132	10 ³ (3/8")	-	45(99)	260	-	577	-	532	
80HDG25.5 (AGH25.5)	7.5(5.5)	3"(80)	3	Directo	29-0.5	95-132	10 ³ (3/8")	-	70(154)	318	683	-	623		
100HDG25.5 (AGN25.5)	7.5(5.5)	4"(100)	3	Directo	18-1.0	59-265	10 ³ (3/8")	-	72(159)	318	-	683	-	623	
100HDG27.5 (AGN27.5)	10(7.5)	4"(100)	3	Directo	24-1.5	79-265	10 ³ (3/8")	-	80(176)	318	-	683	-	623	
150HDG27.5 (AGL27.5)	10(7.5)	6"(150)	3	Directo	16-1.5	53-395	10 ³ (3/8")	-	82(181)	318	-	683	-	623	



HD(AS) SERIES

SUBMERSIBLE DEWATERING PUMPS

POWER : 1.5~20HP (1.1~15kW)

MAX.HEAD : 190feet (58m)

MAX.FLOW : 715US.GPM (2.7m³/min)



PRODUCT NOMENCLATURE

Example :

100	HD	2	5.5
Discharge mm	Type	Pole	kW

FEATURES

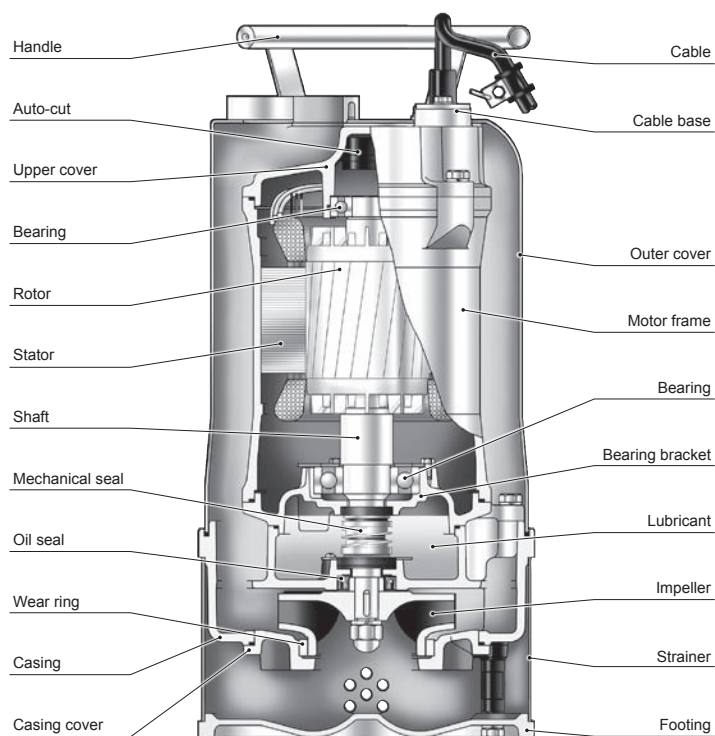
- Complete stainless steel outer cover of HD 1.5HP ~ 20HP (1.1kW~15kW) models provide exceptional consolidated design, with light weight structure of less than 295 lbs (134kg) and diameter of 13 inches (330mm) that provide miniature outlook.
- Special designed high efficiency and water resistant HiCr(high 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 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(AS) SERIES SUBMERSIBLE DEWATERING PUMPS
50HD21.1(AS-215) · 50HD21.5(ASH21.5) · 50HD22.2(ASH22.2) ·
50HD23.7(ASH23.7)

SPECIFICATIONS

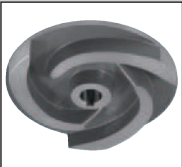
Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	60Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class B(5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Semi-open
Material	Upper Cover	FC200
	Motor Frame	SUS304(1.5HP)·FC200(2~5HP)
	Shaft	SUS403(1.5~3HP)·SUS304(5HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear plate	HiCrFC(2~5HP)
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		—



50HD21.1(AS-215)



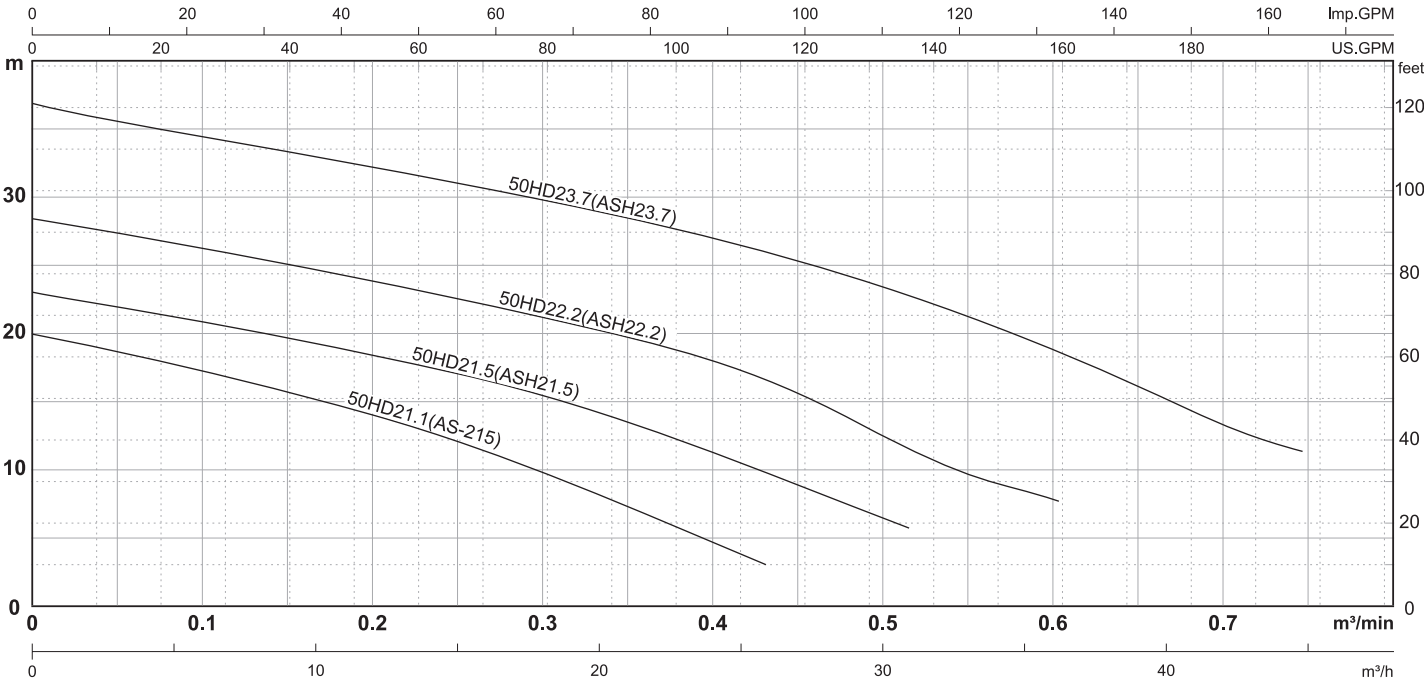
50HD21.5(ASH21.5)
50HD22.2(ASH22.2)
50HD23.7(ASH23.7)



Semi-open Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		110V	220V	220V	230V	380V	460V	575V
50HD21.1 (AS-215)	1.5(1.1)	2"(50)	13.5-0.2	44-52	20-0.42	66-110	7.5(1/4")	28(62)	24(53)	Full load Ampere	16.4	8.2	4.8	4.6	2.7	2.3	1.8
50HD21.5 (ASH21.5)	2(1.5)	2"(50)	16.5-0.25	54-66	23-0.55	76-145	10(3/8")	40(88)	36(79)		—	10.2	6.2	6.1	3.5	3.1	2.9
50HD22.2 (ASH22.2)	3(2.2)	2"(50)	20.5-0.3	67-80	28.5-0.65	94-172	10(3/8")	44(97)	39(86)		—	14.6	8.8	8.6	4.9	4.3	3.4
50HD23.7 (ASH23.7)	5(3.7)	2"(50)	29.5-0.3	97-80	36-0.8	118-212	10(3/8")	—	44(97)		—	—	14.0	13.8	7.9	6.6	5.5

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	20'	30'	40'	50'	60'	80'	100'	120'	Q:m³/min	0.1	0.2	0.3	0.4	0.5	0.6	0.7
				20'	30'	40'	50'	60'	80'	100'	120'	Q:m³/h	6	12	18	24	30	36	42
50HD21.1 (AS-215)	1.5(1.1)	2"(50)	Q:US.GPM	99	83	65	44	17	—	—	—	H:m	17.2	14.0	9.8	4.8	—	—	—
50HD21.5 (ASH21.5)	2(1.5)	2"(50)		134	118	100	81	54	—	—	—		20.9	18.4	15.5	11.4	6.4	—	—
50HD22.2 (ASH22.2)	3(2.2)	2"(50)		—	149	134	121	104	48	—	—		26.3	23.8	21.2	18.0	12.6	7.8	—
50HD23.7 (ASH23.7)	5(3.7)	2"(50)		—	—	192	176	162	126	72	3		34.4	32.2	29.8	27.0	23.4	18.9	13.4

HD(AS) SERIES SUBMERSIBLE DEWATERING PUMPS
80HD21.5(ASN21.5) · 80HD22.2(ASN22.2) · 80HD23.7(ASN23.7) · 100HD23.7(ASL23.7)

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	60Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
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 or SJOW/SOW
Optional		—

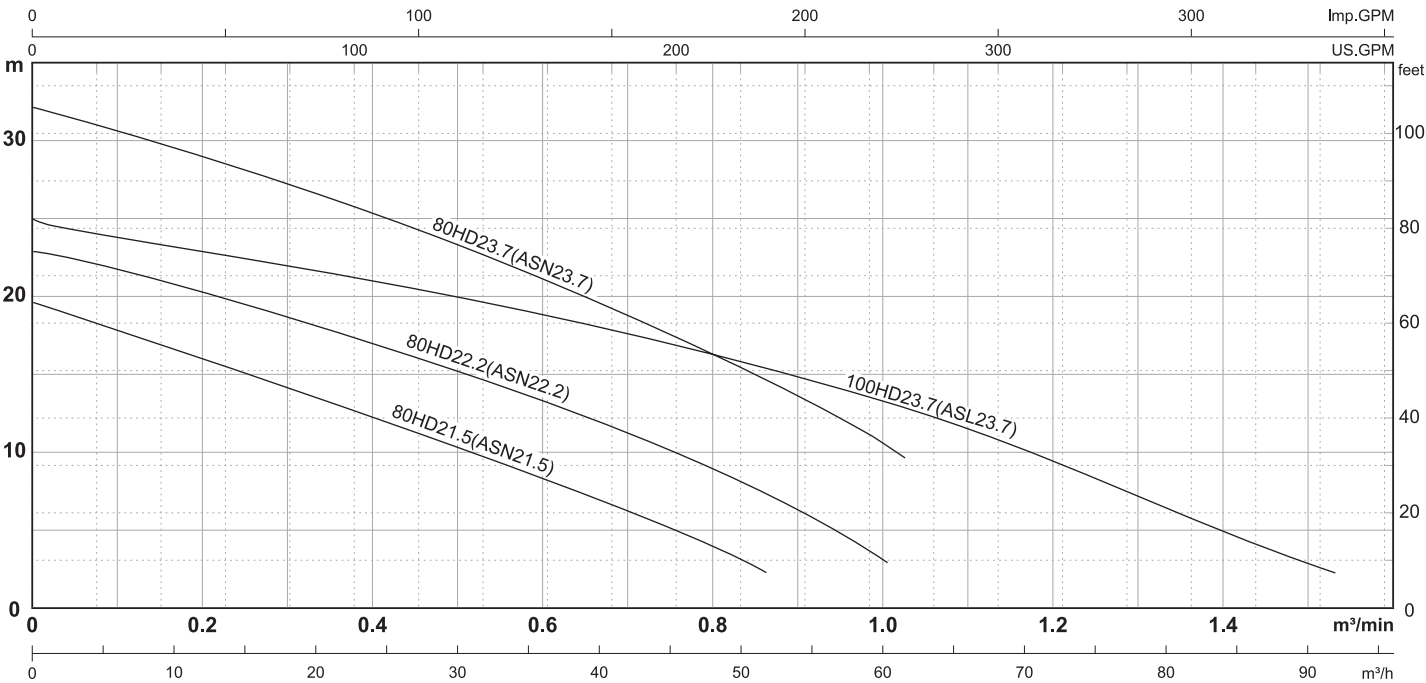


Enclosed-channel Impeller

80HD21.5(ASN21.5) · 80HD22.2(ASN22.2)
80HD23.7(ASN23.7) · 100HD23.7(ASL23.7)

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		110V	220V	220V	230V	380V	460V	575V
80HD21.5 (ASN21.5)	2(1.5)	3"(80)	10-0.5	33-132	19.5-0.9	64-238	10(3/8")	40(88)	36(79)	Full load Ampere	—	10.2	6.2	6.1	3.5	3.1	2.9
80HD22.2 (ASN22.2)	3(2.2)	3"(80)	15-0.5	49-132	23-1.05	76-275	10(3/8")	44(97)	39(86)		—	14.6	8.8	8.6	4.9	4.3	3.4
80HD23.7 (ASN23.7)	5(3.7)	3"(80)	22.5-0.5	74-132	32-1.1	105-290	10(3/8")	—	44(97)		—	—	14.0	13.8	7.9	6.6	5.5
100HD23.7 (ASL23.7)	5(3.7)	4"(100)	13-1.0	43-265	25-1.6	82-425	10(3/8")	—	44(97)		—	—	14.0	13.8	7.9	6.6	5.5

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	80'	100'	Q:m³/min	0.2	0.4	0.6	0.8	1	1.2	1.4
				Q:US.GPM	221	187	148	106	63	19	—	Q:m³/h	12	24	36	48	60	78	84
80HD21.5 (ASN21.5)	2(1.5)	3"(80)	Q:US.GPM	—	264	240	209	173	131	85	—	H:m	16.0	12.2	8.4	4.0	—	—	—
80HD22.2 (ASN22.2)	3(2.2)	3"(80)			—	—	—	250	222	190	118		20.3	17.0	13.4	9.0	3.1	—	—
80HD23.7 (ASN23.7)	5(3.7)	3"(80)			—	—	—	250	222	190	118		29.0	25.4	21.2	16.3	10.6	—	—
100HD23.7 (ASL23.7)	5(3.7)	4"(100)			393	356	320	280	230	170	—		22.9	21.0	18.8	16.3	13.3	9.4	5.0

HD(AS) SERIES SUBMERSIBLE DEWATERING PUMPS

80HD25.5(ASH25.5) · 100HD25.5(ASN25.5) · 100HD27.5(ASN27.5) · 150HD27.5(ASL27.5)

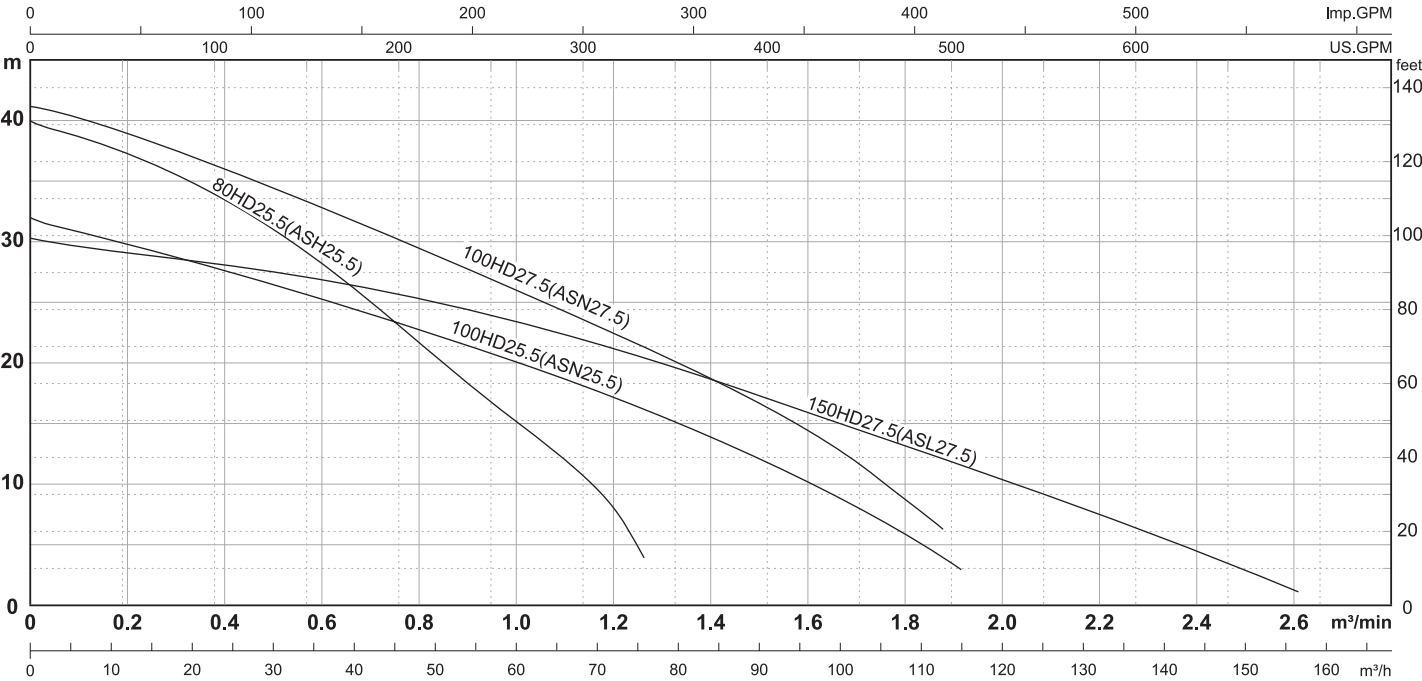
SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40℃(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	60Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel (80ASH25.5:Semi-open Impeller)
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS304
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear plate	HiCrFC(For Semi-open)
	Wear ring	HiCrFC(For Enclosed-channel)
	Cable	VCT or H07RN-F or SOW
	Optional	—



Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase								
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		Voltage	110V	220V	220V	230V	380V	460V	575V
80HD25.5 (ASH25.5)	7.5(5.5)	3"(80)	30-0.5	98-132	40-1.3	131-345	10(3/8")	—	69(152)	Full load Ampere	—	—	—	20.0	19.6	11.3	9.8	8.2
100HD25.5 (ASN25.5)	7.5(5.5)	4"(100)	20-1.0	66-265	32-2.0	105-530	10(3/8")	—	71(157)		—	—	—	20.0	19.6	11.3	9.8	8.2
100HD27.5 (ASN27.5)	10(7.5)	4"(100)	26-1.0	85-265	41.5-1.8	136-475	10(3/8")	—	79(174)		—	—	—	26.2	25.6	14.8	12.8	10.8
150HD27.5 (ASL27.5)	10(7.5)	6"(150)	17-1.5	56-395	30-2.7	98-715	10(3/8")	—	81(179)		—	—	—	26.2	25.6	14.8	12.8	10.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	60'	80'	100'	120'	Q:m³/min	0.2	0.4	0.6	0.8	1.2	1.6	2	2.4
				10'	20'	30'	40'	60'	80'	100'	120'	Q:m³/h	12	24	36	48	72	18	21	24
80HD25.5 (ASH25.5)	7.5(5.5)	3"(80)	Q:US.GPM	—	325	310	289	238	190	137	64	H:m	37.2	33.4	28.2	21.6	8.0	—	—	—
100HD25.5 (ASN25.5)	7.5(5.5)	4"(100)		504	472	436	395	298	178	35	—		29.8	27.6	25.3	22.8	17.2	10.2	—	—
100HD27.5 (ASN27.5)	10(7.5)	4"(100)		—	—	472	445	376	288	195	96		39.0	36.0	32.9	29.6	22.4	14.4	—	—
150HD27.5 (ASL27.5)	10(7.5)	6"(150)		657	606	550	494	377	—	—	—		29.1	28.1	26.9	25.4	21.2	16.0	10.4	4.6

HD SERIES SUBMERSIBLE DEWATERING PUMPS

100HD211 · 150HD215

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Construction sites Basins dewatering
Type	Frequency	60Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear ring	HiCrFC
	Cable	VCT or H07RN-F or SOW
Optional		—



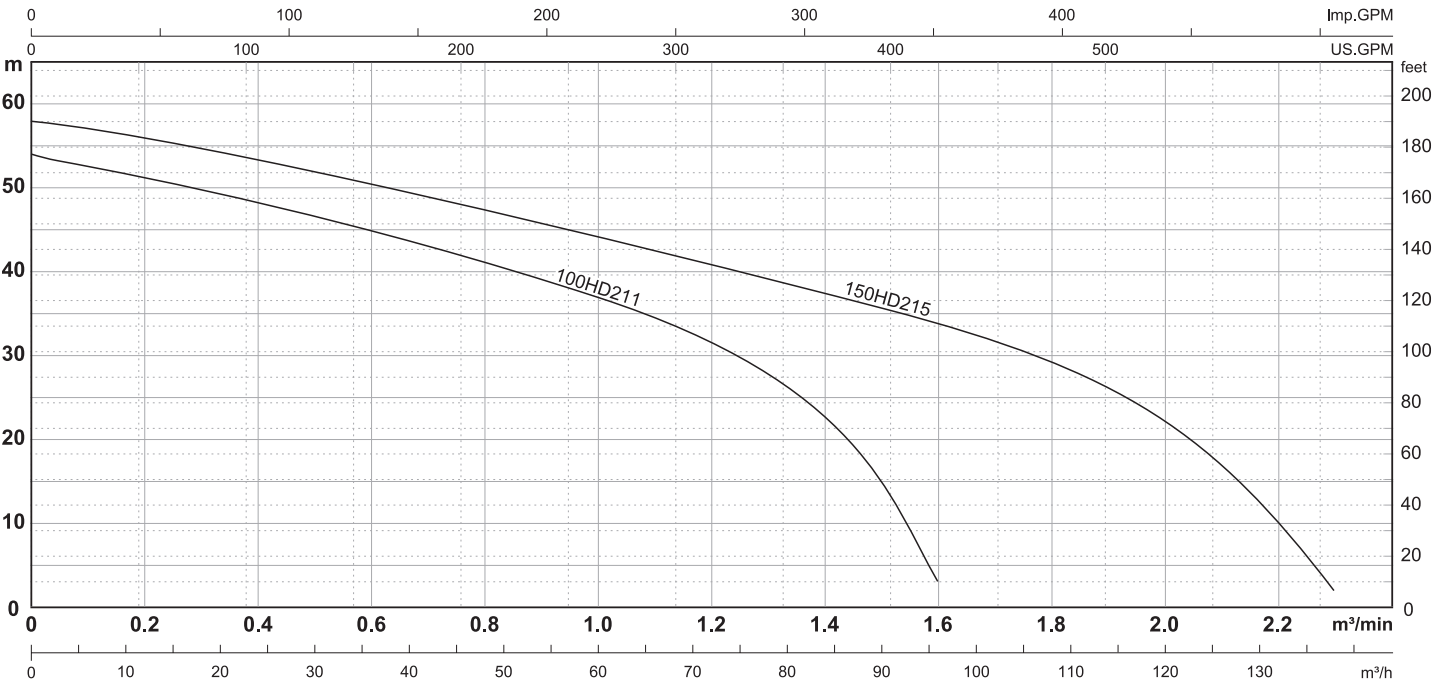
100HD211 · 150HD215



Enclosed-channel Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		110V	220V	220V	230V	380V	460V	575V
100HD211	15(11)	4"(100)	35-1.0	115-265	54-1.6	177-425	10(3/8")	—	122(269)	Full load Ampere	—	—	39.0	38.6	21.8	19.3	15.4
150HD215	20(15)	6"(150)	35-1.5	115-395	58-2.3	190-610	10(3/8")	—	132(291)		—	—	51.2	50.4	28.6	25.2	20.2

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	20'	40'	60'	80'	100'	120'	140'	180'	Q:m³/min Q:m³/h	0.2 12	0.4 24	0.6 36	0.8 48	1 60	1.4 84	1.8 108	2.2 132
100HD211	15(11)	4"(100)	Q:US.GPM	415	402	386	362	326	268	192	—	H:m	51.4	48.4	45.0	41.2	37.0	22.8	—	—
150HD215	20(15)	6"(150)		594	573	548	514	464	384	290	78		56.0	53.4	50.6	47.4	44.2	37.4	29.2	10

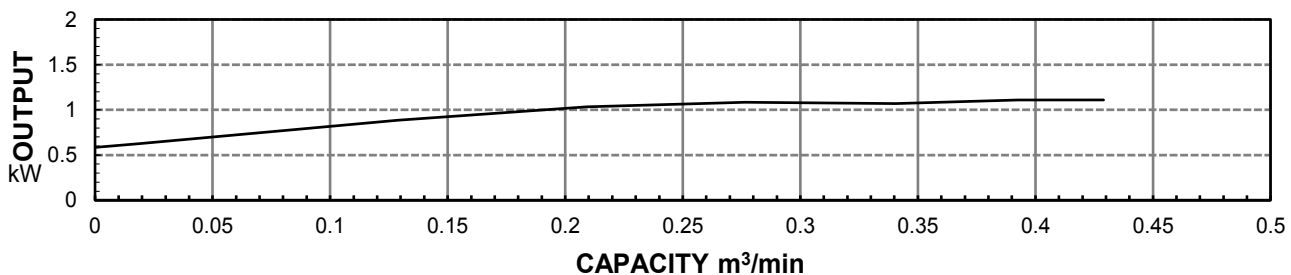
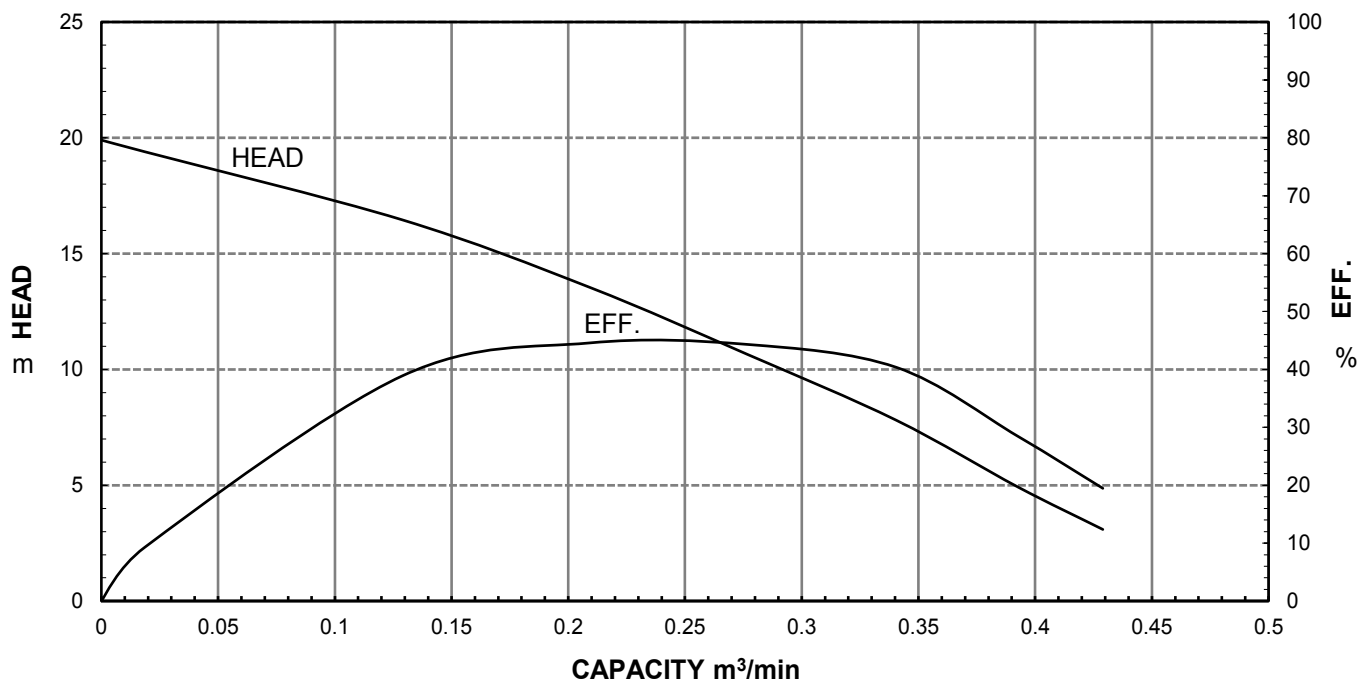


HCP PUMP

FILE NO. PC-M-E6-50HD21.11

PUMP PERFORMANCE CURVES

MODEL	50HD21.1						VER. NO. AG1229	
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION	
FREQUENCY	60 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 Ø	110 V	115 V	208 V	220 V	230 V	Ø	V
RATED CURRENT		16.4 A	16.0 A	8.5 A	8.2 A	8.0 A		A
POLE / rpm	2	P	/	3450	rpm			
START METHOD	CAPACITOR START							
INSULATION CLASS	B							
REMARK								

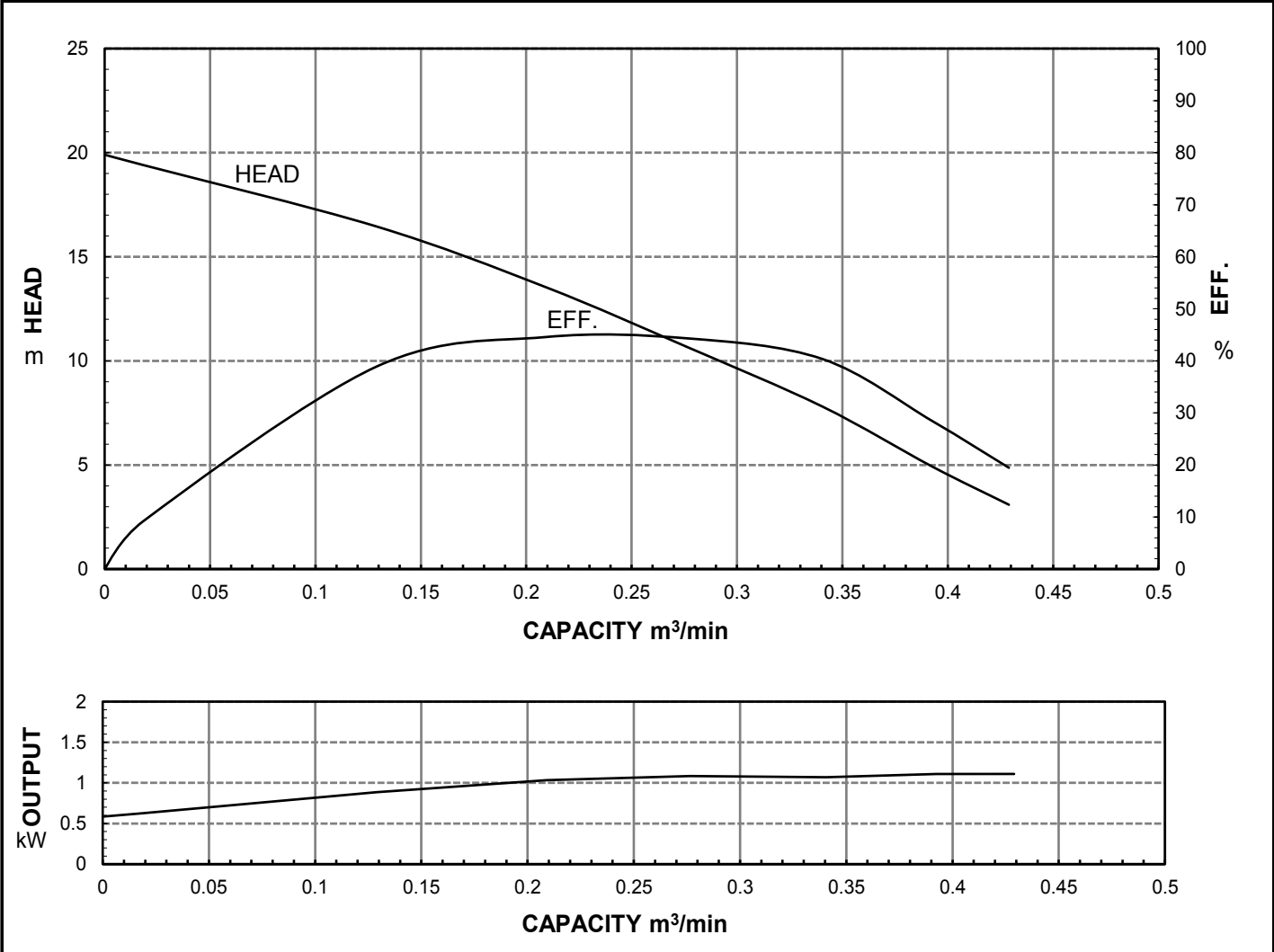
**HCP PUMP MANUFACTURER CO.,LTD.**



HCP PUMP

FILE NO. PC-M-E6-50HD21.13

PUMP PERFORMANCE CURVES							
MODEL	50HD21.1					VER. NO. AG1229	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 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	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		4.8 A	4.6 A	2.7 A	2.4 A	2.3 A	A
POLE / rpm	2 P / 3450 rpm						
START METHOD	DIRECT						
INSULATION CLASS	B						
REMARK							



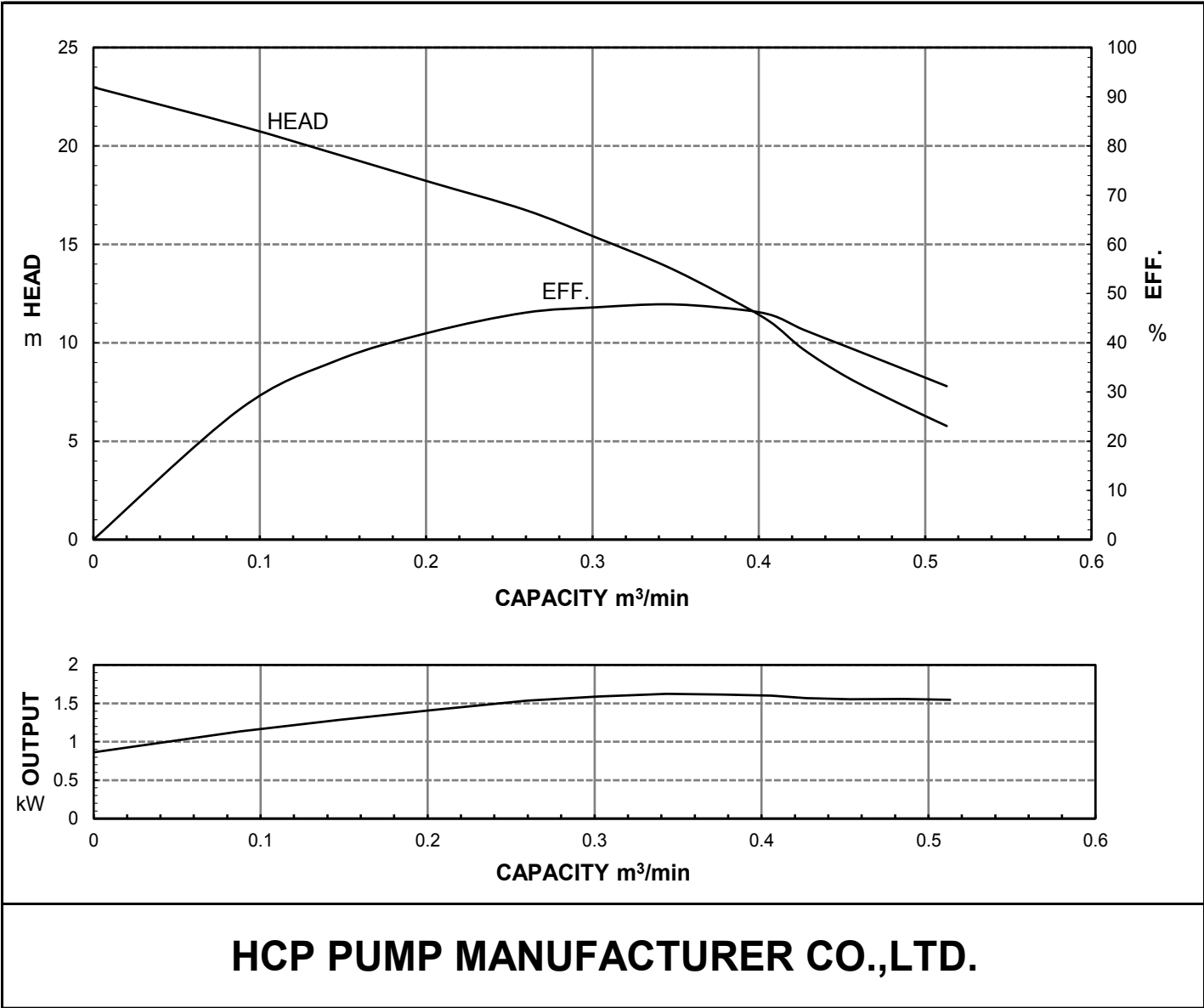
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HCP PUMP

FILE NO. PC-M-E6-50HD21.51

PUMP PERFORMANCE CURVES						
MODEL	50HD21.5					VER. NO. AG1229
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	2 inch / 50 mm					
OUTPUT	2 HP / 1.5 kW					HP kW
HEAD	16.5 m					
CAPACITY	0.25 m ³ /min					
PHASE/VOLTAGE	1 Ø	208 V	220 V	230 V		Ø V
RATED CURRENT		10.6 A	10.2 A	9.8 A		A
POLE / rpm	2 P / 3420 rpm					
START METHOD	CAPACITOR START					
INSULATION CLASS	B					
REMARK						

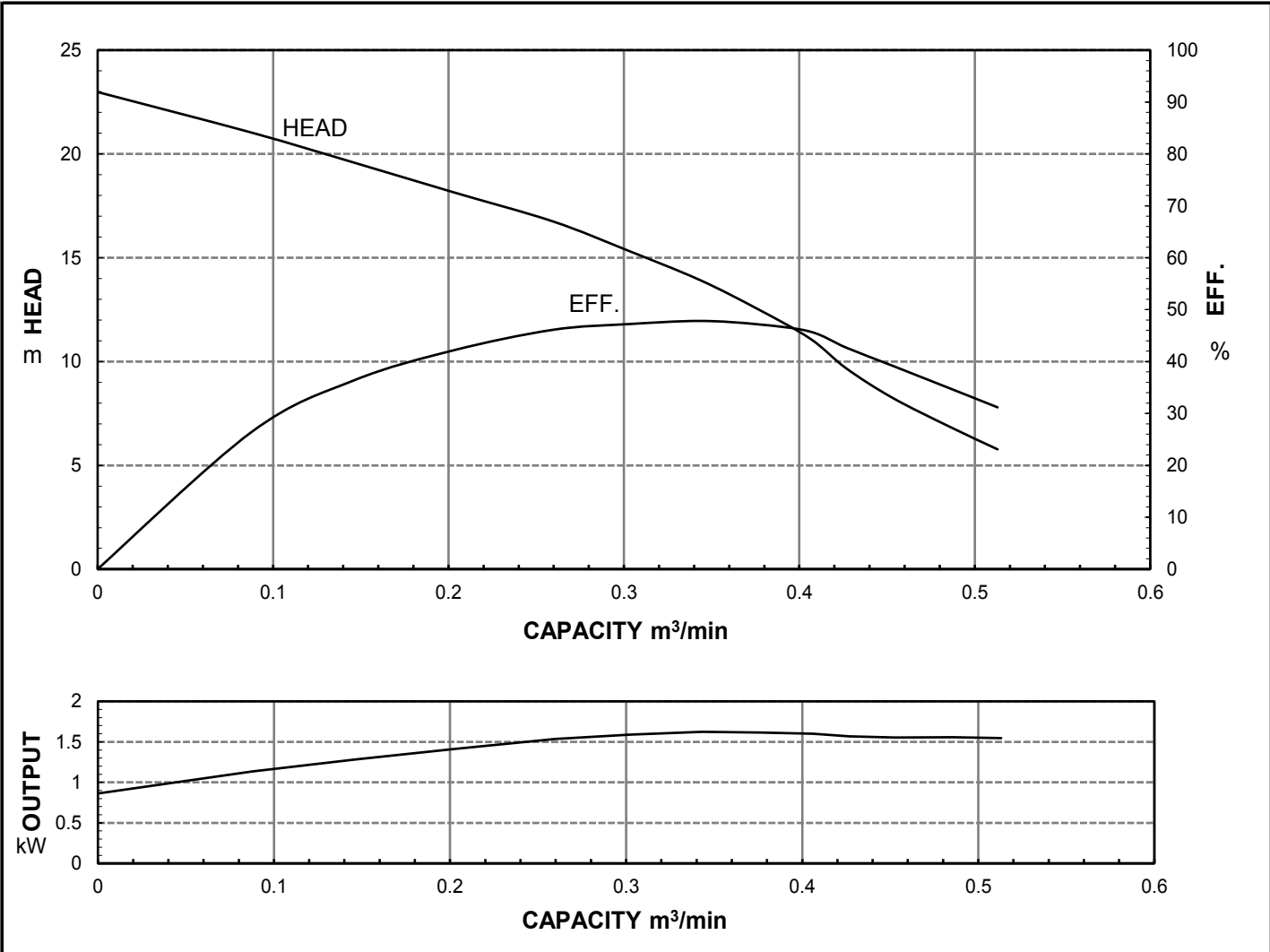




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FILE NO. PC-M-E6-50HD21.53

PUMP PERFORMANCE CURVES							
MODEL	50HD21.5					VER. NO. AG1229	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	2 inch / 50 mm						
OUTPUT	2 HP / 1.5 kW					HP	kW
HEAD	16.5 m						
CAPACITY	0.25 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		6.2 A	6.1 A	3.5 A	3.1 A	3.1 A	A
POLE / rpm	2 P / 3420 rpm						
START METHOD	DIRECT						
INSULATION CLASS	B						
REMARK							



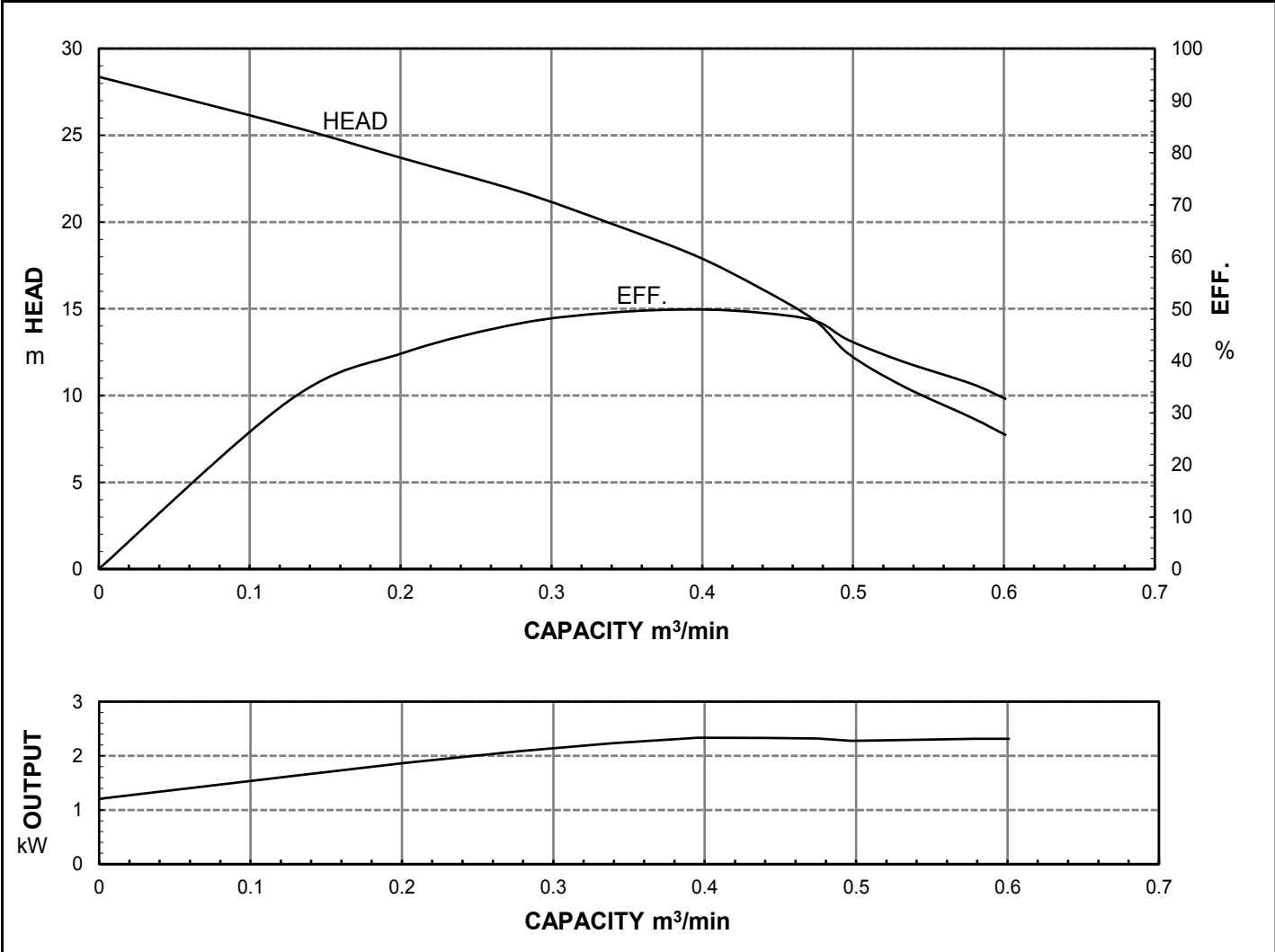
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HCP PUMP

FILE NO. PC-M-E6-50HD22.21

PUMP PERFORMANCE CURVES							
MODEL	50HD22.2					VER. NO. AG1229	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	3	HP	/	2.2	kW	HP	kW
HEAD	20.5 m						
CAPACITY	0.3 m ³ /min						
PHASE/VOLTAGE	1	Ø	208 V	220 V	230 V	Ø	V
RATED CURRENT			15.2 A	14.6 A	14.2 A		A
POLE / rpm	2	P	/	3440	rpm		
START METHOD	CAPACITOR START						
INSULATION CLASS	B						
REMARK							



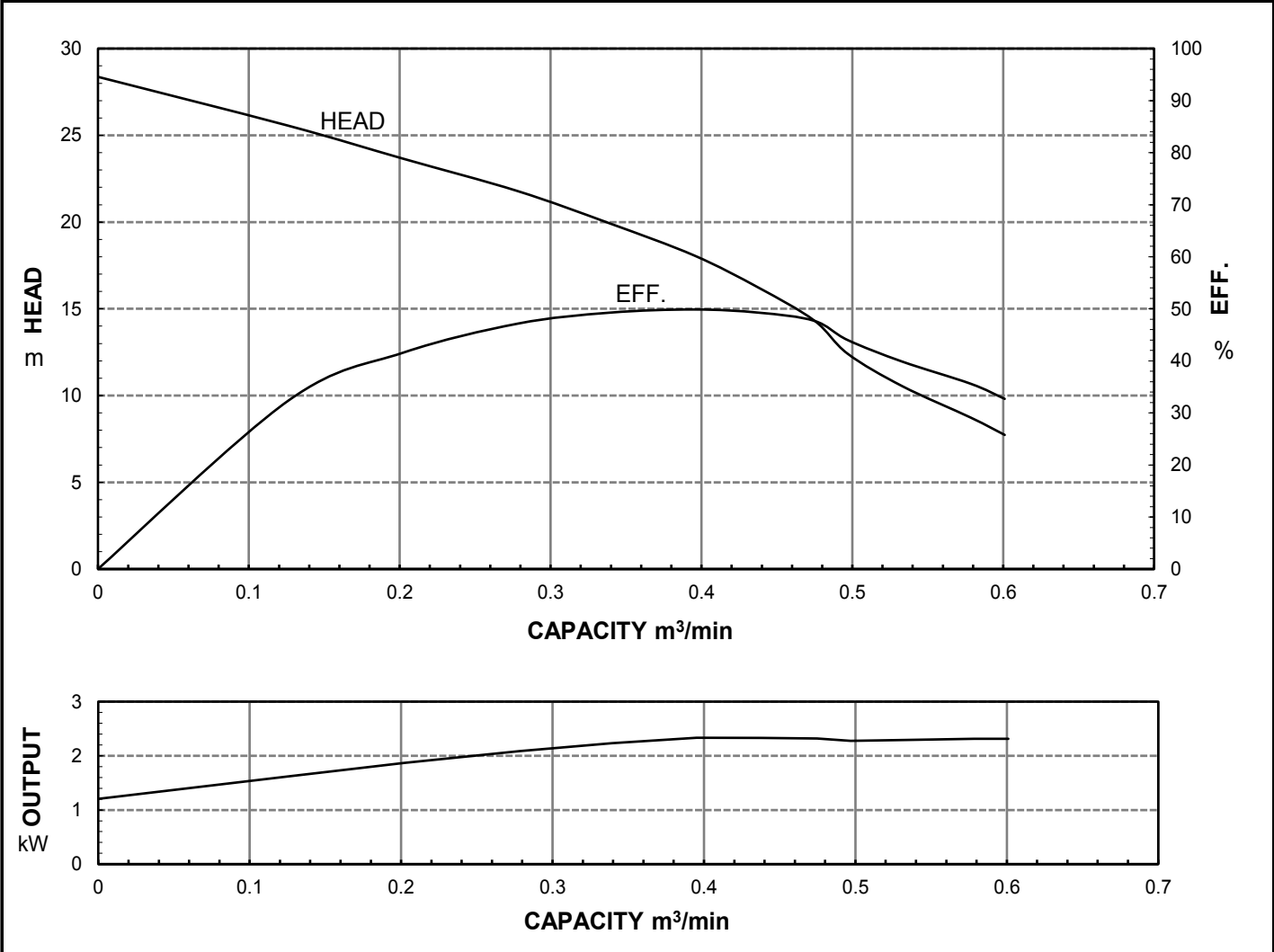
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HCP PUMP

FILE NO. PC-M-E6-50HD22.23

PUMP PERFORMANCE CURVES							
MODEL	50HD22.2					VER. NO. AG1229	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	3	HP	/	2.2	kW	HP	kW
HEAD	20.5 m						
CAPACITY	0.3 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		8.8 A	8.6 A	4.9 A	4.4 A	4.3 A	A
POLE / rpm	2	P	/	3440	rpm		
START METHOD	DIRECT						
INSULATION CLASS	B						
REMARK							



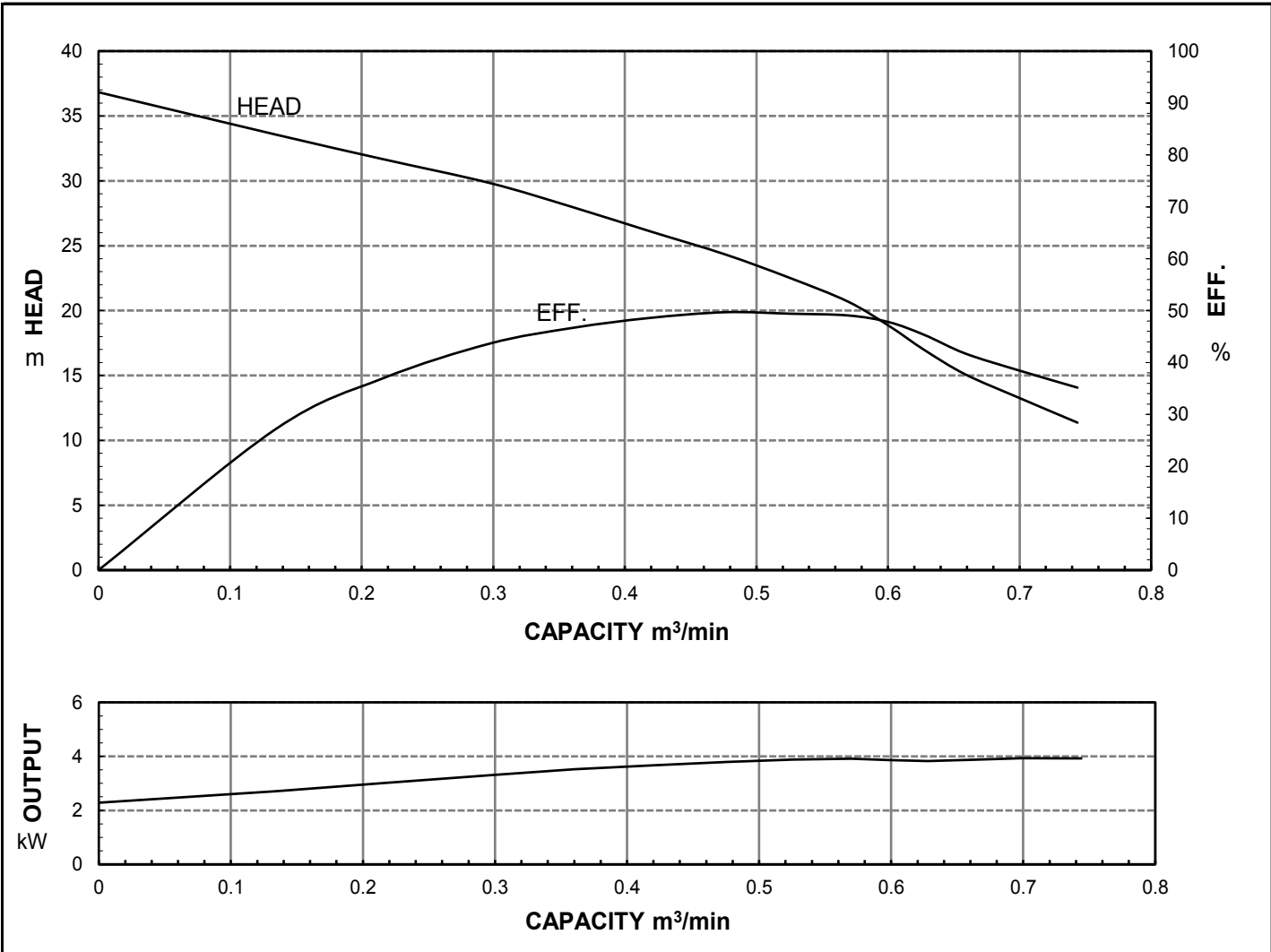
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HCP PUMP

FILE NO. PC-M-E6-50HD23.73

PUMP PERFORMANCE CURVES							
MODEL	50HD23.7					VER. NO. AG1229	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	2	inch	/	50	mm		
OUTPUT	5	HP	/	3.7	kW	HP	kW
HEAD	29.5 m						
CAPACITY	0.3 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		14.0 A	13.8 A	7.9 A	7.0 A	6.9 A	A
POLE / rpm	2	P	/	3420	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



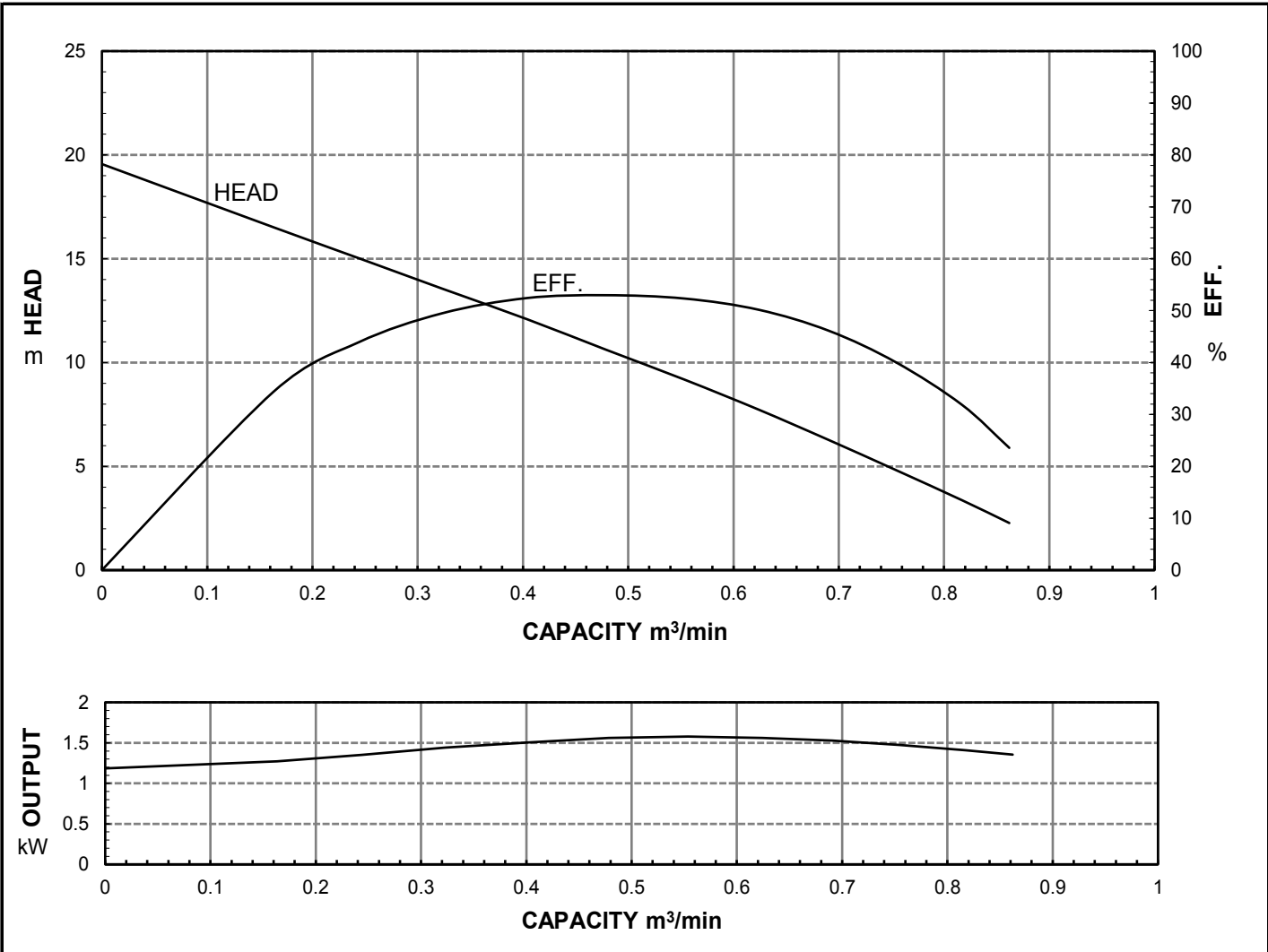
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HCP PUMP

FILE NO. PC-M-E6-80HD21.51

PUMP PERFORMANCE CURVES						
MODEL	80HD21.5					VER. NO. AG1229
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3	inch	/	80	mm	
OUTPUT	2	HP	/	1.5	kW	HP kW
HEAD	10 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	1 Ø	208 V	220 V	230 V		Ø V
RATED CURRENT		10.6 A	10.2 A	9.8 A		A
POLE / rpm	2	P	/	3420	rpm	
START METHOD	CAPACITOR START					
INSULATION CLASS	B					
REMARK						



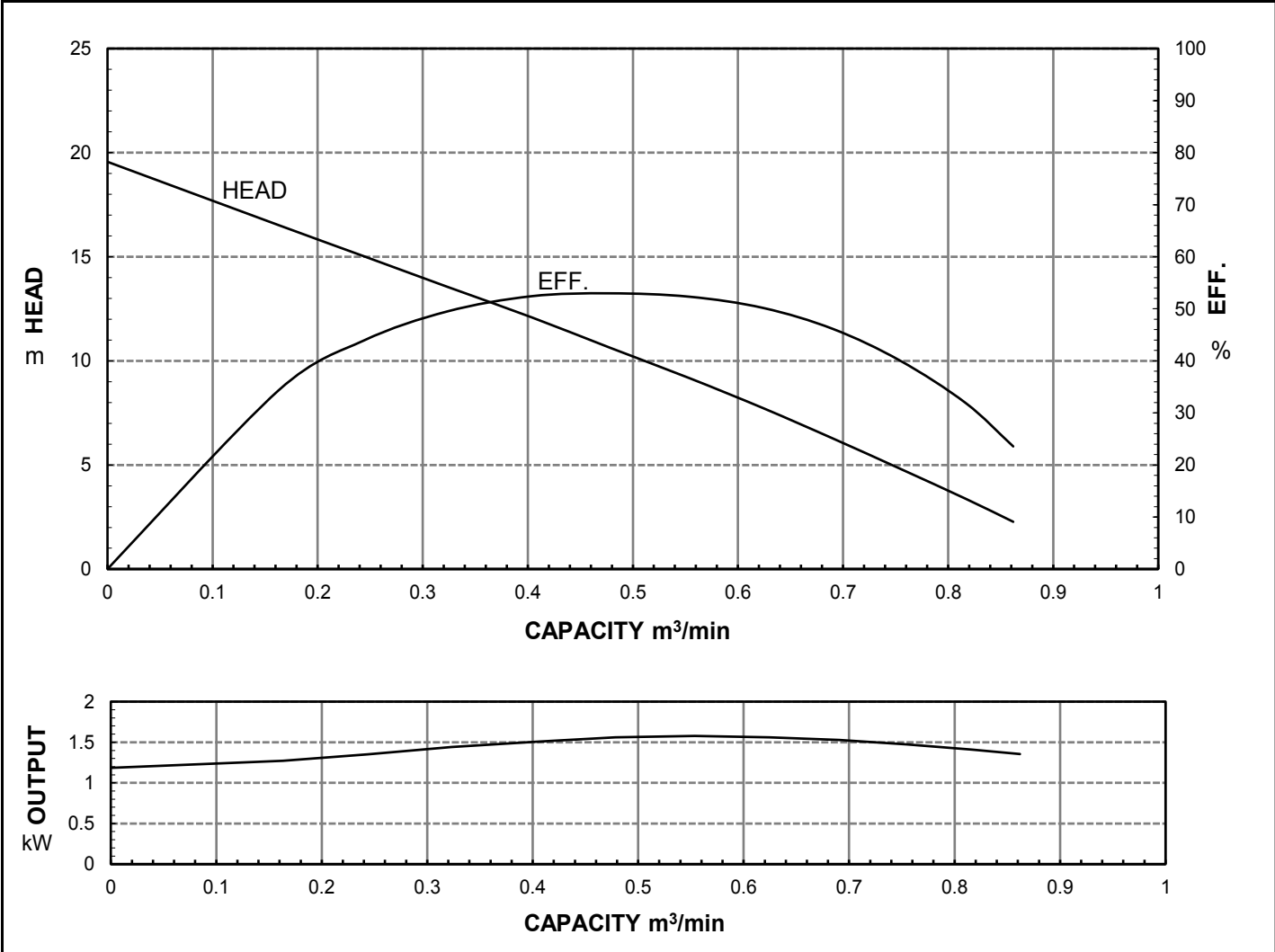
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HCP PUMP

FILE NO. PC-M-E6-80HD21.53

PUMP PERFORMANCE CURVES						
MODEL	80HD21.5					VER. NO. AG1229
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3	inch	/	80	mm	
OUTPUT	2	HP	/	1.5	kW	HP kW
HEAD	10 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V
RATED CURRENT		6.2 A	6.1 A	3.5 A	3.1 A	3.1 A
POLE / rpm	2	P	/	3420	rpm	
START METHOD	DIRECT					
INSULATION CLASS	B					
REMARK						



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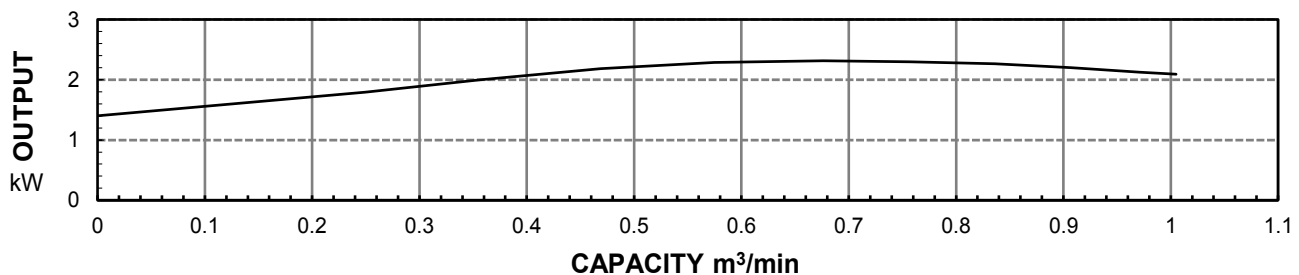
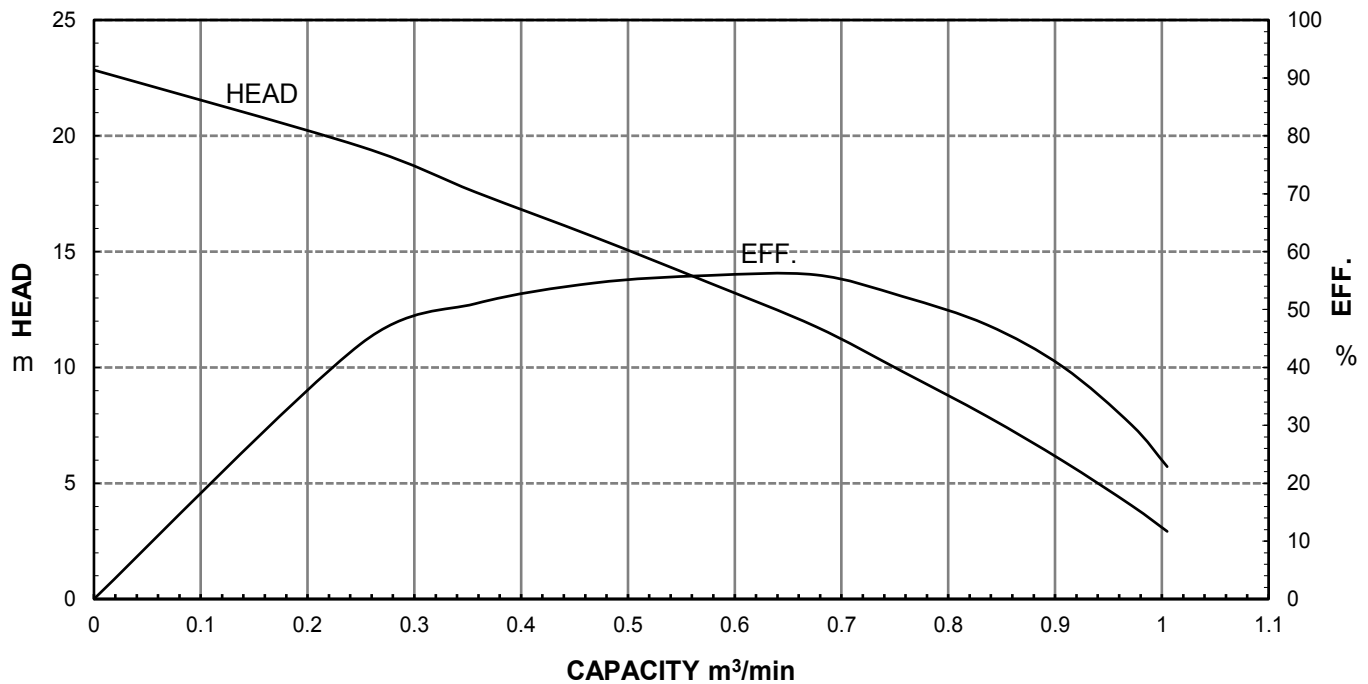


HCP PUMP

FILE NO. PC-M-E6-80HD22.21

PUMP PERFORMANCE CURVES

MODEL	80HD22.2						VER. NO. AG1229	
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION	
FREQUENCY	60 Hz							
DISCHARGE	3	inch	/	80	mm			
OUTPUT	3	HP	/	2.2	kW		HP	kW
HEAD	15 m							
CAPACITY	0.5 m ³ /min							
PHASE/VOLTAGE	1 Ø	208 V	220 V	230 V			Ø	V
RATED CURRENT		15.2 A	14.6 A	14.2 A				A
POLE / rpm	2	P	/	3440	rpm			
START METHOD	CAPACITOR START							
INSULATION CLASS	B							
REMARK								

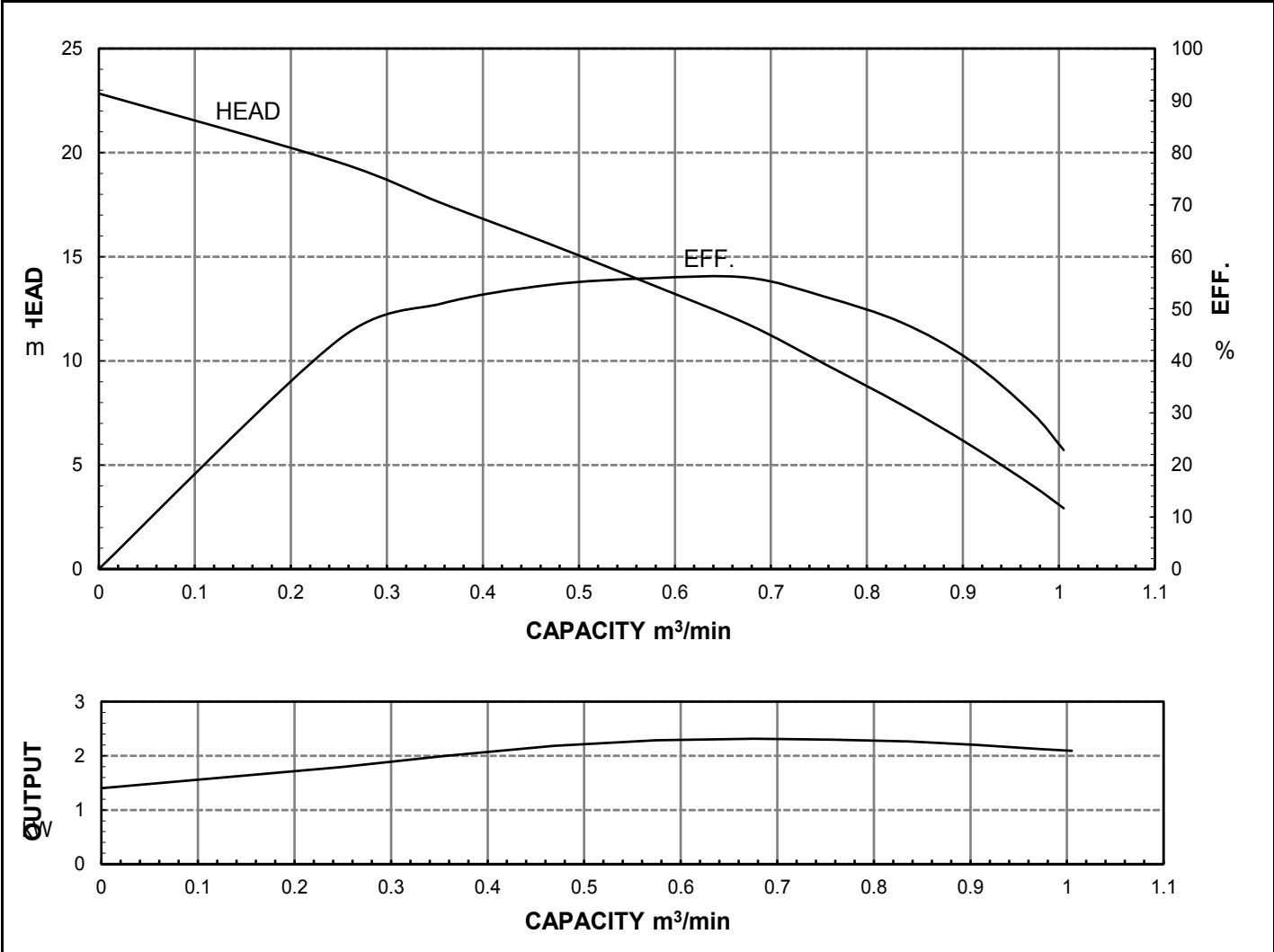
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HCP PUMP

FILE NO. PC-M-E6-80HD22.23

PUMP PERFORMANCE CURVES						
MODEL	80HD22.2					VER. NO. AG1229
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3	inch	/	80	mm	
OUTPUT	3	HP	/	2.2	kW	HP kW
HEAD	15 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V
RATED CURRENT		8.8 A	8.6 A	4.9 A	4.4 A	4.3 A
POLE / rpm	2	P	/	3440	rpm	
START METHOD	DIRECT					
INSULATION CLASS	B					
REMARK						



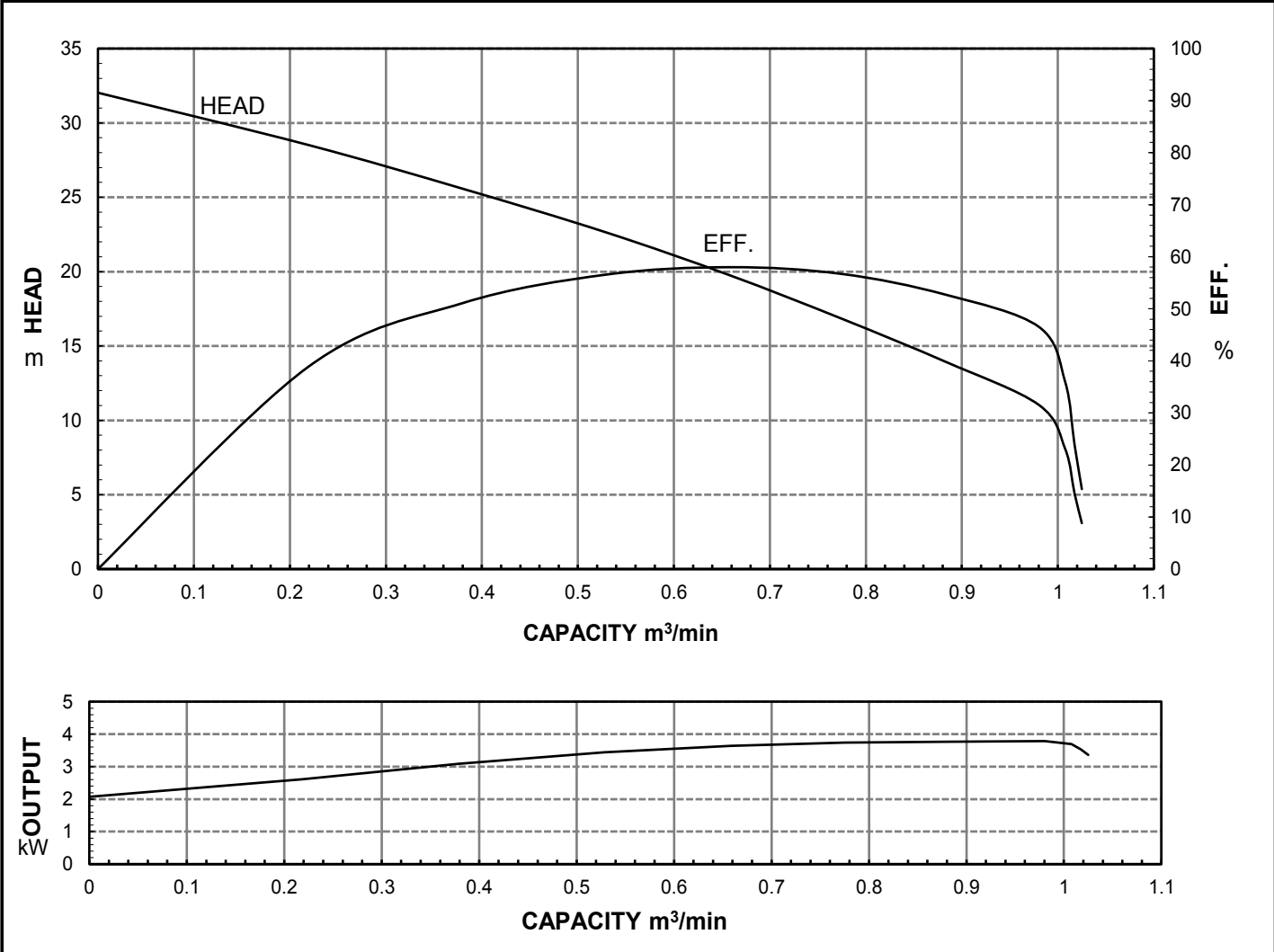
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HCP PUMP

FILE NO. PC-M-E6-80HD23.73

PUMP PERFORMANCE CURVES							
MODEL	80HD23.7					VER. NO. AH0102	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	3	inch	/	80	mm		
OUTPUT	5	HP	/	3.7	kW	HP	kW
HEAD	22.5 m						
CAPACITY	0.5 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		14.0 A	13.8 A	7.9 A	7.0 A	6.9 A	A
POLE / rpm	2	P	/	3420	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



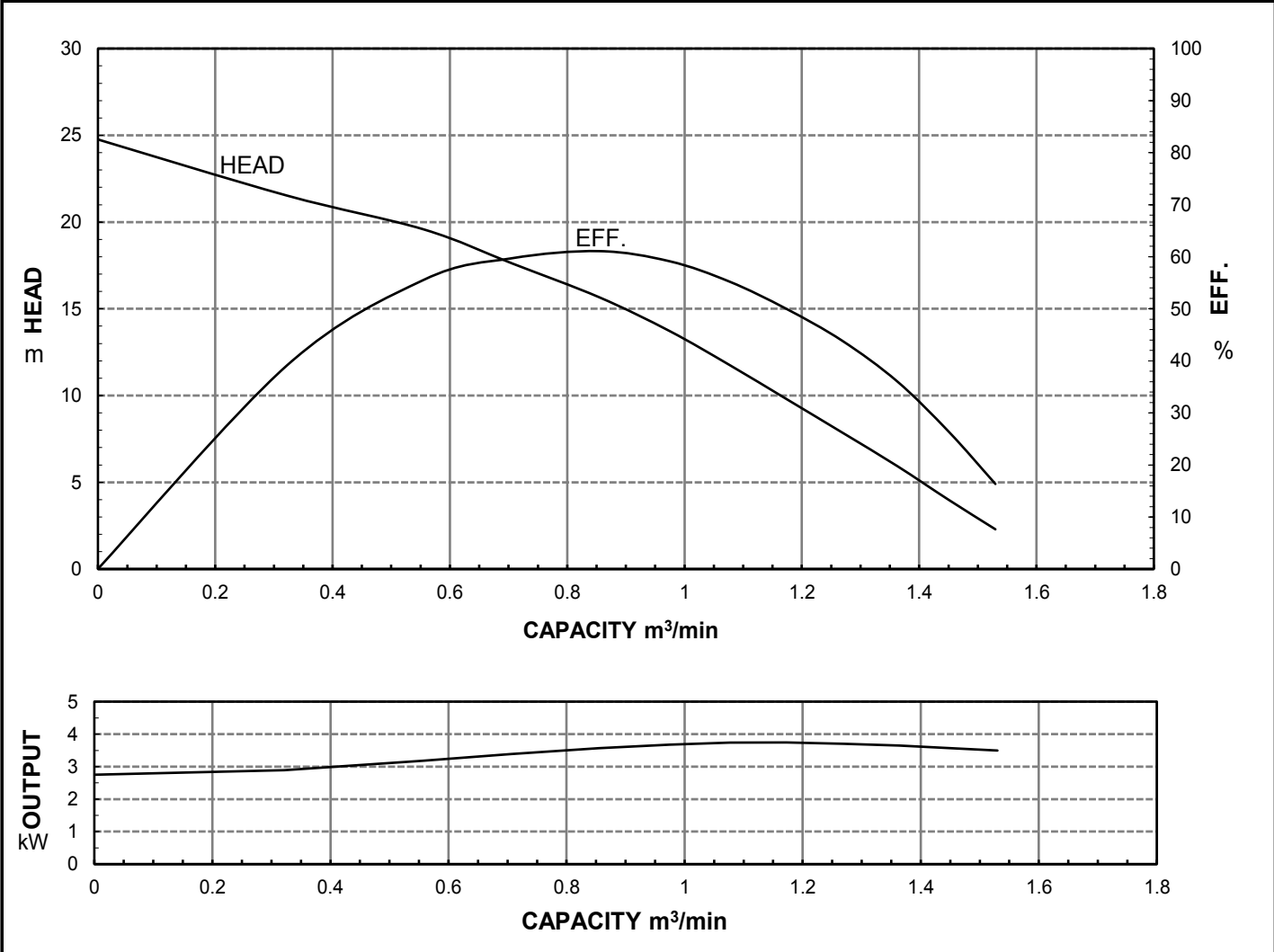
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HCP PUMP

FILE NO. PC-M-E6-100HD23.73

PUMP PERFORMANCE CURVES							
MODEL	100HD23.7					VER. NO. AH0102	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 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	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		14.0 A	13.8 A	7.9 A	7.0 A	6.9 A	A
POLE / rpm	2	P	/	3420	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



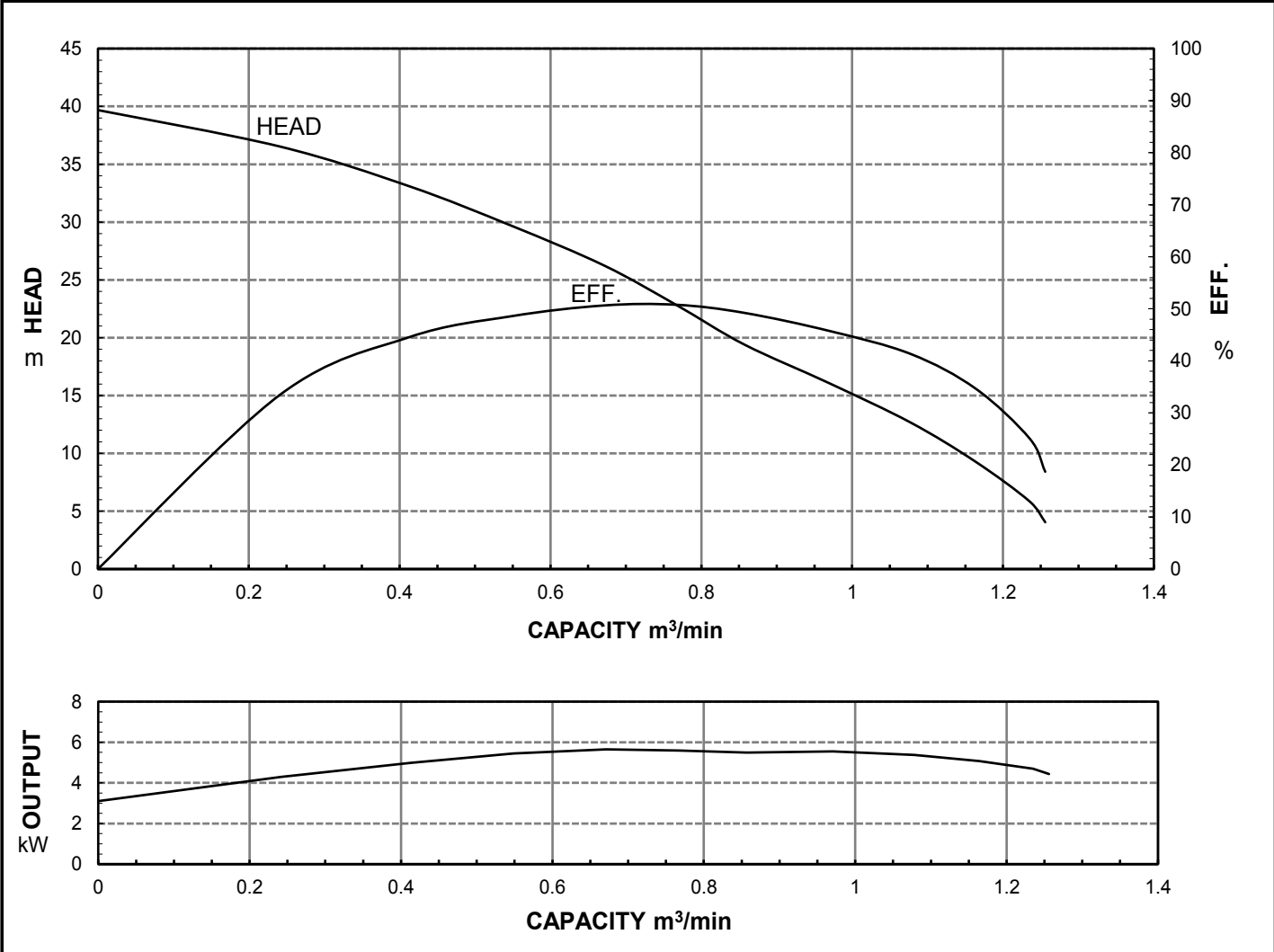
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HCP PUMP

FILE NO. PC-M-E6-80HD25.53

PUMP PERFORMANCE CURVES							
MODEL	80HD25.5					VER. NO. AH0102	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	3	inch	/	80	mm		
OUTPUT	7.5	HP	/	5.5	kW	HP	kW
HEAD	30 m						
CAPACITY	0.5 m ³ /min						
PHASE/VOLTAGE	3	Ø	220 V	230 V	380 V	440 V	460 V
RATED CURRENT			20.0 A	19.6 A	11.3 A	10.0 A	9.8 A
POLE / rpm	2	P	/	3450	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



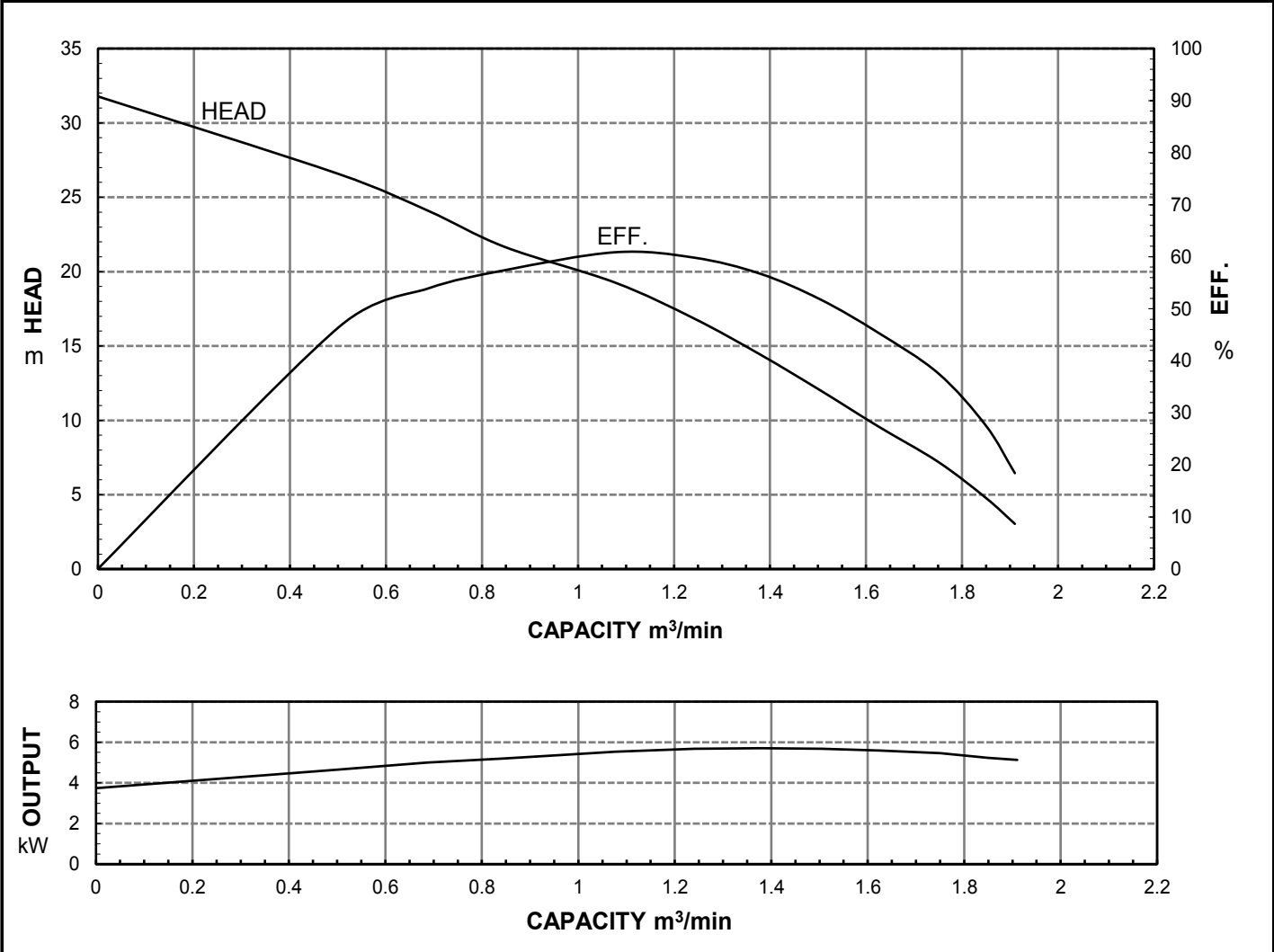
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-100HD25.53

PUMP PERFORMANCE CURVES						
MODEL	100HD25.5					VER. NO. AH0102
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	4	inch	/	100	mm	
OUTPUT	7.5	HP	/	5.5	kW	HP kW
HEAD	20 m					
CAPACITY	1 m ³ /min					
PHASE/VOLTAGE	3	Ø	220 V	230 V	380 V	440 V 460 V
RATED CURRENT			20.0 A	19.6 A	11.3 A	10.0 A 9.8 A
POLE / rpm	2	P	/	3450	rpm	
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



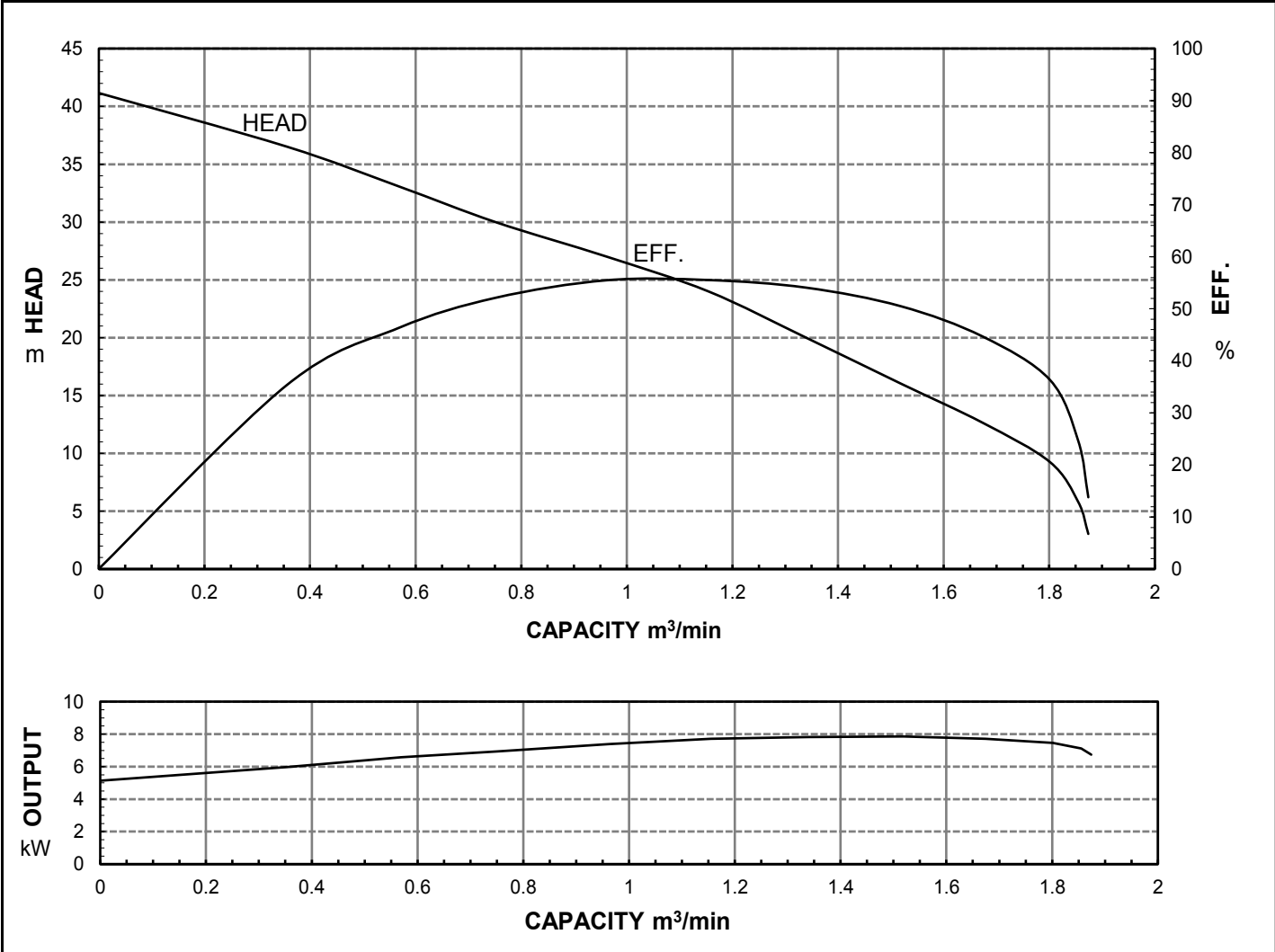
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-100HD27.53

PUMP PERFORMANCE CURVES						
MODEL	100HD27.5					VER. NO. AH0102
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	4	inch	/	100	mm	
OUTPUT	10	HP	/	7.5	kW	HP kW
HEAD	26 m					
CAPACITY	1 m ³ /min					
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V Ø V
RATED CURRENT		26.2 A	25.6 A	14.8 A	13.1 A	12.8 A A
POLE / rpm	2	P	/	3450	rpm	
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



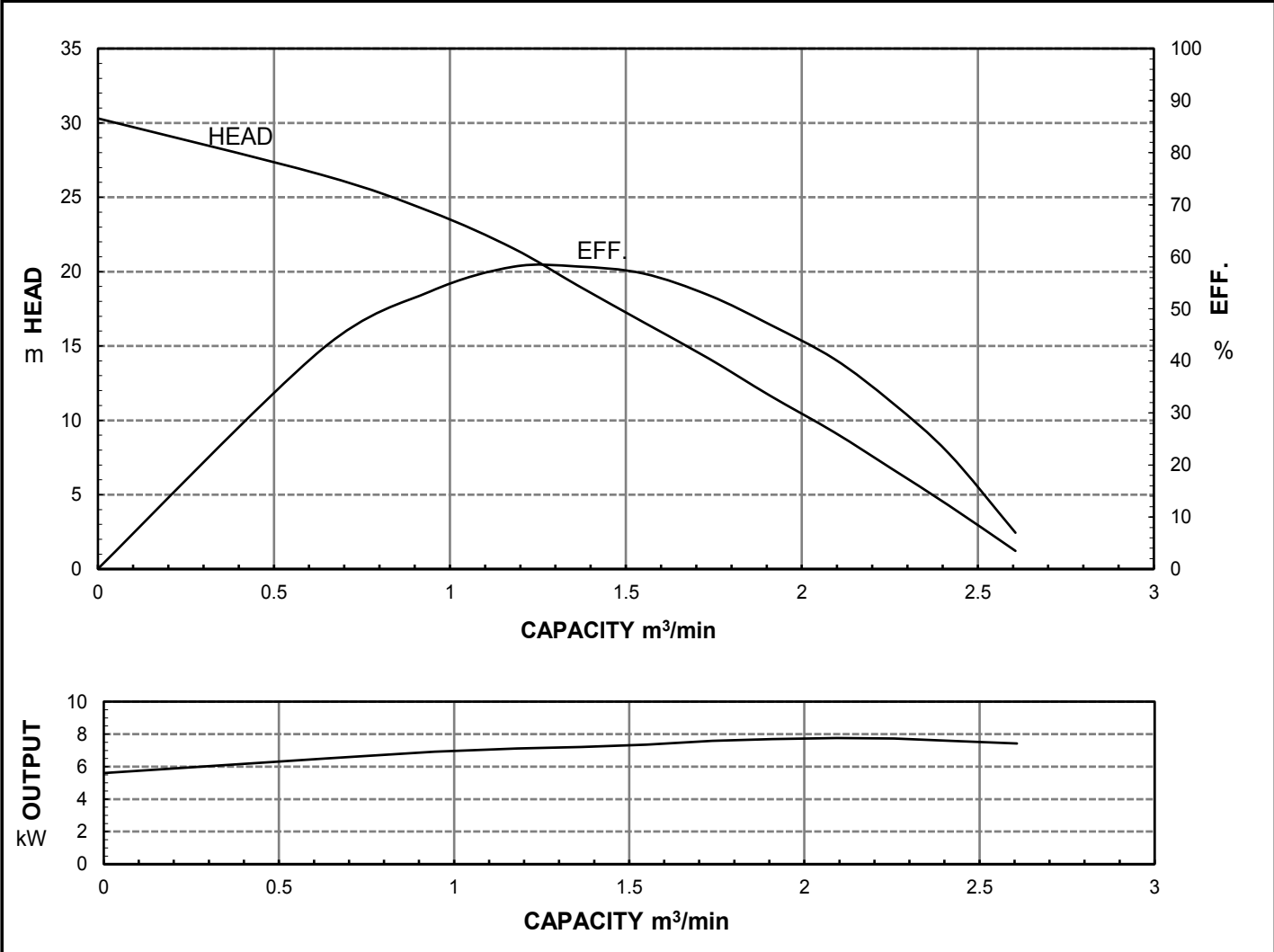
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-150HD27.53

PUMP PERFORMANCE CURVES							
MODEL	150HD27.5					VER. NO. AH0103	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 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	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		26.2 A	25.6 A	14.8 A	13.1 A	12.8 A	A
POLE / rpm	2	P	/	3450	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



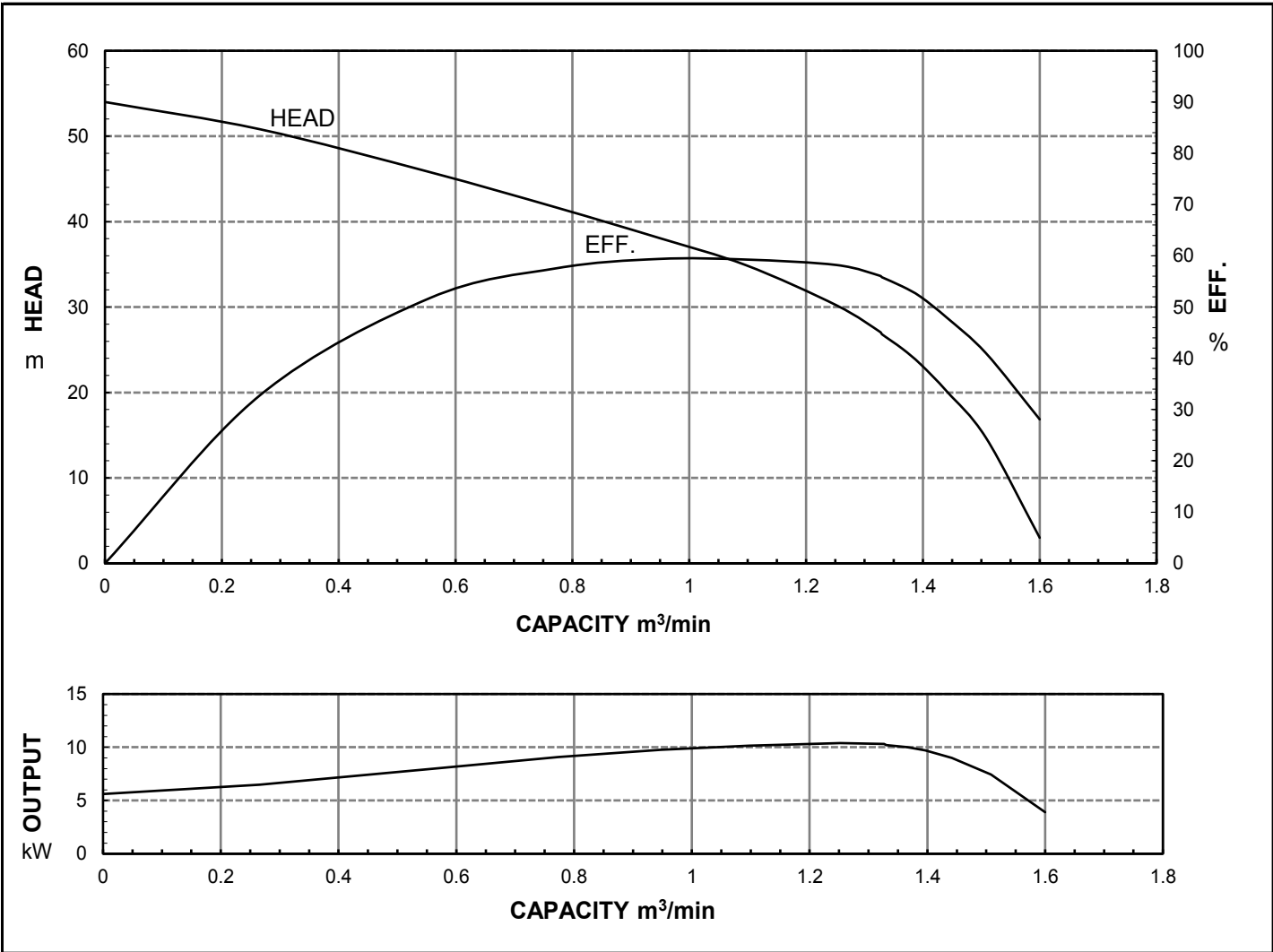
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-100HD2113

PUMP PERFORMANCE CURVES							
MODEL	100HD211					VER. NO. AG1017	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	4	inch	/	100	mm		
OUTPUT	15	HP	/	11	kW	HP	kW
HEAD	35 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		39.0 A	38.6 A	21.8 A	19.5 A	19.3 A	A
POLE / rpm	2	P	/	3490	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



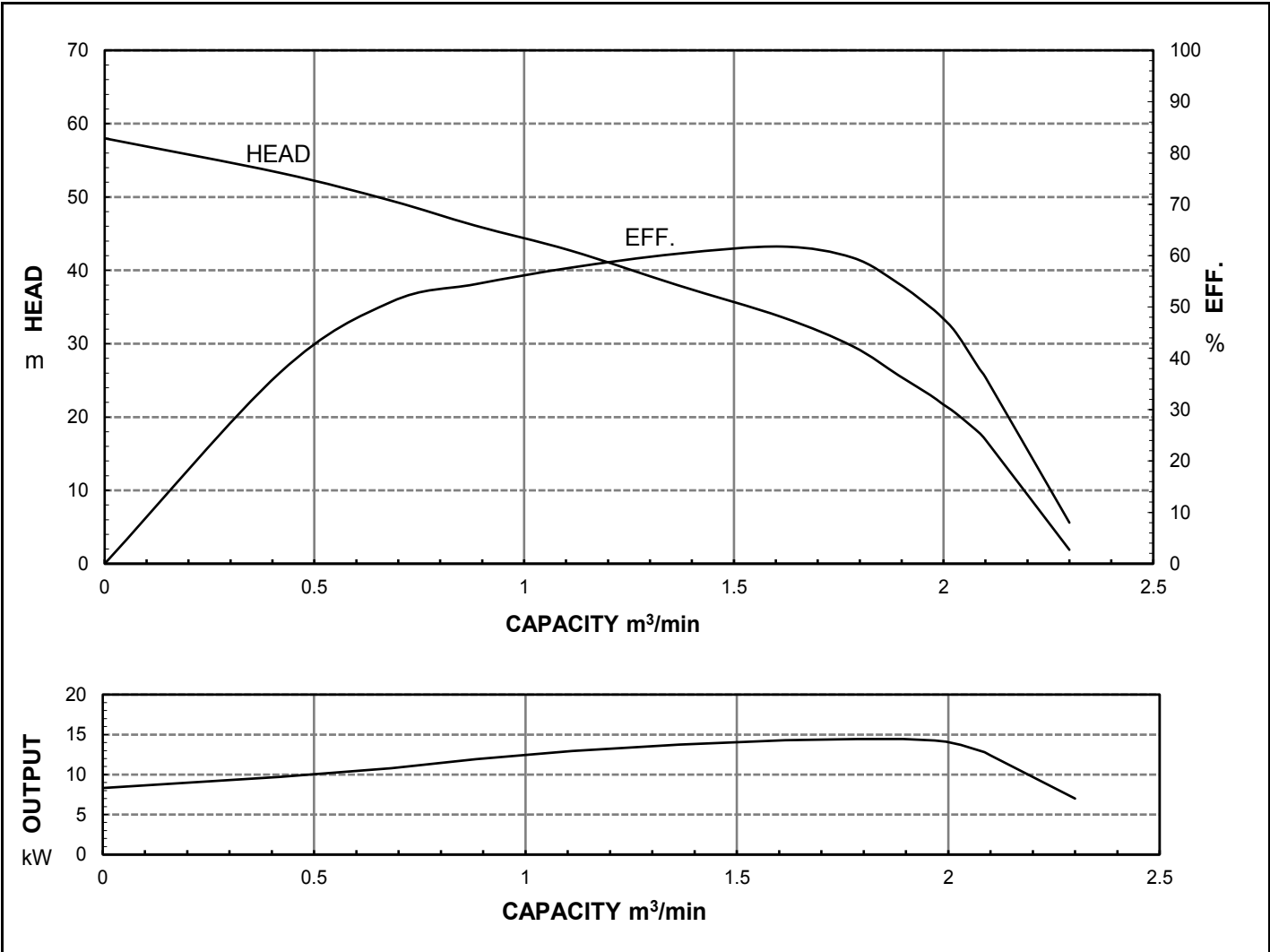
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-150HD2153

PUMP PERFORMANCE CURVES							
MODEL	150HD215						VER. NO. AG1017
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION
FREQUENCY	60 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	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		51.2 A	50.4 A	28.6 A	25.6 A	25.2 A	A
POLE / rpm	2	P	/	3490	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



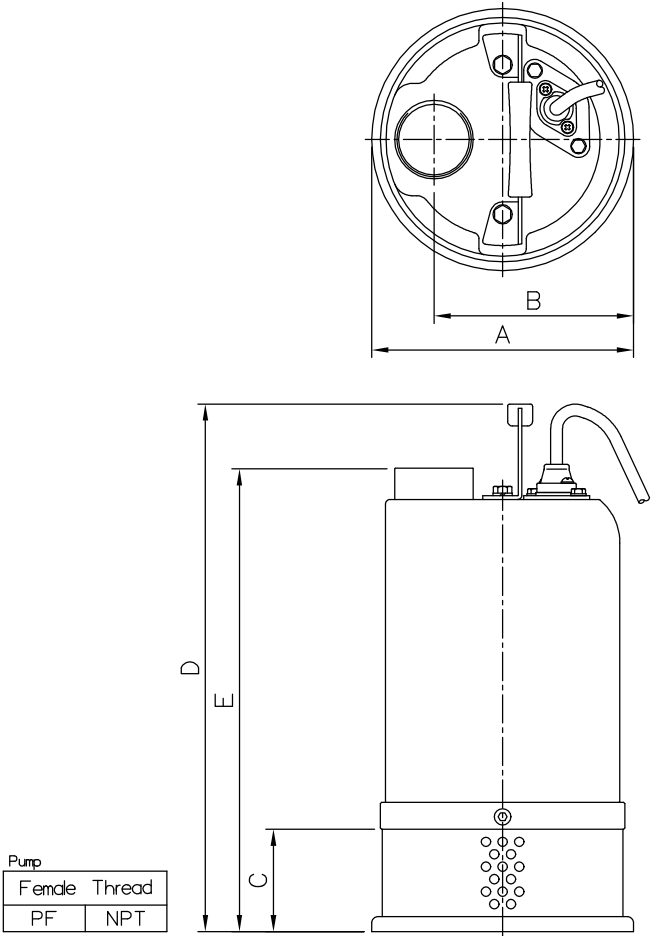
HCP PUMP MANUFACTURER CO.,LTD.

DIMENSIONS

No: S2HD0211030-00

MODEL: 50HD21.1

1Ø & 3Ø



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 ¼	6 ⅝	3 ⅜	19	16 ⅞	62
50HD21.1 3Ø	2	8 ¼	6 ⅝	3 ⅜	16 ⅝	14 ⅝	53

L.W.L.:Lowest Running Water Level

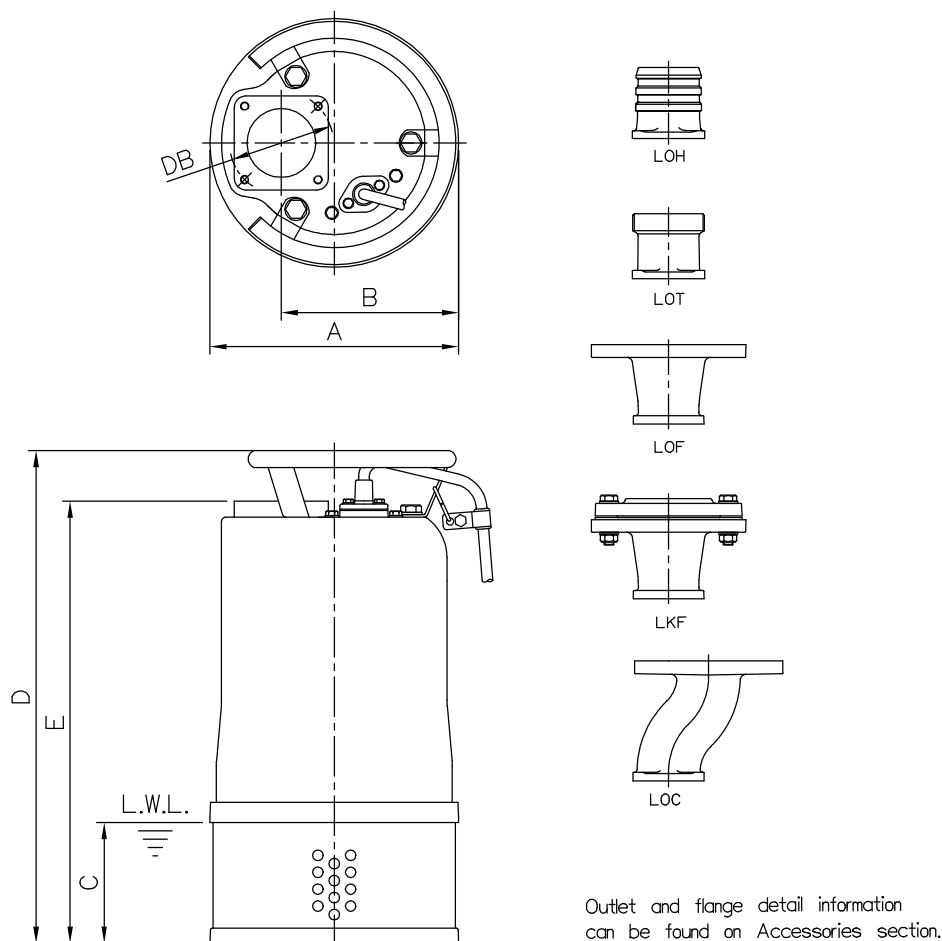
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

DIMENSIONS

No: S4HD0237030-00

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

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 50Hz/60Hz	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	-
50HD23.7_60Hz 3Ø	235	168	115	496	451	98	44	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
80HD21.5	235	168	115	511	465	98	40	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2	235	168	115	541	496	98	45/44	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD21.5	235	168	115	466	421	98	36	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2	235	168	115	466	421	98	39	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD23.7	235	168	115	496	451	98	44	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
100HD23.7	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 50Hz/60Hz	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
50HD21.5 1Ø	9 1/4	6 5/8	4 1/2	20 1/8	18 5/16	3 7/8	88	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD21.5 3Ø	9 1/4	6 5/8	4 1/2	18 3/8	16 1/16	3 7/8	79	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*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	-
50HD22.2 3Ø	9 1/4	6 5/8	4 1/2	18 3/8	16 1/16	3 7/8	86	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
50HD23.7_60Hz 3Ø	9 1/4	6 5/8	4 1/2	19 1/2	17 3/4	3 7/8	97	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
80HD21.5	9 1/4	6 5/8	4 1/2	20 1/8	18 5/16	3 7/8	88	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2	9 1/4	6 5/8	4 1/2	21 5/16	19 1/2	3 7/8	99/97	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD21.5	9 1/4	6 5/8	4 1/2	18 3/8	16 1/16	3 7/8	79	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD22.2	9 1/4	6 5/8	4 1/2	18 3/8	16 1/16	3 7/8	86	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HD23.7	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
100HD23.7	9 1/4	6 5/8	5 1/8	20 1/8	18 5/16	3 7/8	97	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-

L.W.L.:Lowest Running Water Level

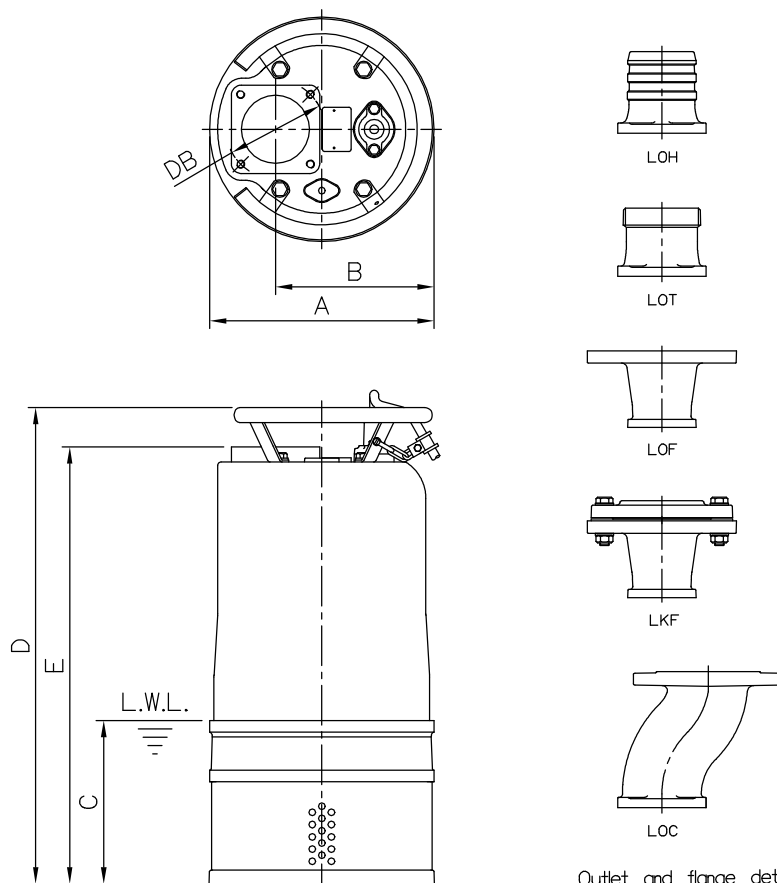
WT1:Pump Weight(Without Cable)

DIMENSIONS

No:S6HD02A5030-00

MODEL: 80HD25.5&100HD25.5/27.5/211&150HD25.5/27.5/215

3Ø



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

Dimensions-mm

Weight:kg

Model	A	B	C	D	E	DB	WT1 50Hz/60Hz	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80HD25.5	286	206	130	610	550	127	72/69	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	286	206	130	610	550	127	75/71	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	80/79	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	286	206	130	610	550	127	81/81	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD211	330	233	200	700	642	145	123/122	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD215	330	233	200	700	642	145	133/132	LOH6-145	LOT6-145	-	-	LOC6-240*145

Dimensions-inch

Weight:lb

Model	A	B	C	D	E	DB	WT1 50Hz/60Hz	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80HD25.5	11 $\frac{1}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	5	159/152	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HD25.5	11 $\frac{1}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	5	165/157	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD25.5	11 $\frac{1}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	5	172/-	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
100HD27.5	11 $\frac{1}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	5	176/174	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HD27.5	11 $\frac{1}{4}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	24	21 $\frac{5}{8}$	5	179/179	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 $\frac{3}{4}$	5 $\frac{5}{16}$	271/269	LOH4-145	LOT4-145	-	-	LOC4-175*145
150HD215	13	9 $\frac{3}{16}$	7 $\frac{7}{8}$	27 $\frac{7}{8}$	25 $\frac{3}{4}$	5 $\frac{5}{16}$	293/291	LOH6-145	LOT6-145	-	-	LOC6-240*145

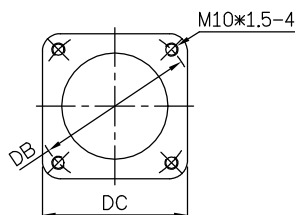
L.W.L.:Lowest Running Water Level WT1:Pump Weight(Without Cable)

DIMENSIONS

No: SOHD000000-00

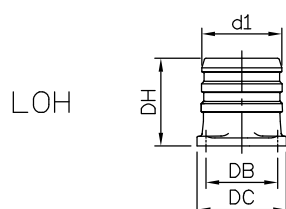
MODEL: Outlet (2"~6")

OUTLET CONNECTION

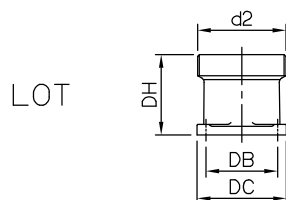


Model	mm		inch	
	DB	DC	DB	DC
1.5~3.7kW	98	89	3 7/8	3 1/2
5.5~7.5kW	127	112	5	4 1/8

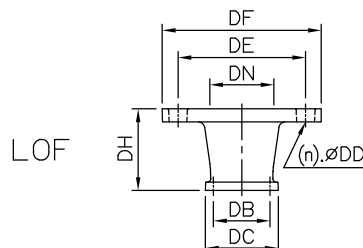
OPTIONAL OUTLET ACCESSORIES



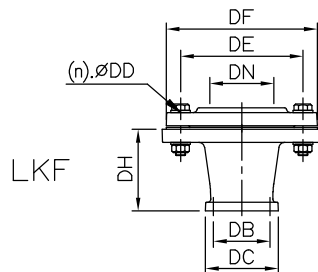
LOH	Dimensions-mm				kg	Dimensions-inch				lb
	d1	DB	DC	DH		d1	DB	DC	DH	
LOH2-98	50	98	89	80	1	2	3 7/8	3 1/2	3 1/8	2
LOH3-98	80	98	89	100	2	3	3 7/8	3 1/2	3 15/16	4
LOH3-127	80	127	112	110	2	3	5	4 7/16	4 5/16	4
LOH4-98	100	98	89	115	2	4	3 7/8	3 1/2	4 1/2	4
LOH4-127	100	127	112	110	3	4	5	4 7/16	4 5/16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



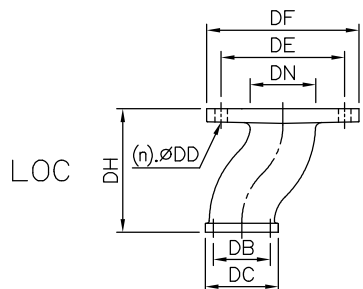
LOT	Dimensions-mm				kg	Dimensions-inch				lb	Thread Available		
	d2	DB	DC	DH		d2	DB	DC	DH				
LOT2-98	50	98	89	80	1	2	3 7/8	3 1/2	3 1/8	2	PF	PT	NPT
LOT3-98	80	98	89	80	2	3	3 7/8	3 1/2	3 1/8	4	PF	PT	NPT
LOT3-127	80	127	112	85	2	3	5	4 7/16	3 3/8	4	PF	PT	NPT
LOT4-98	100	98	89	100	2	4	3 7/8	3 1/2	3 15/16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



LOF	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		DN	DB	DC	DD	DE	DF	DH		
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 1/8	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 5/16	7 15/16	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 15/16	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	1/8	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		DN	DB	DC	DD	DE	DF	DH			
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 1/8	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 5/16	3 15/16	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 1/4	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 1/4	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



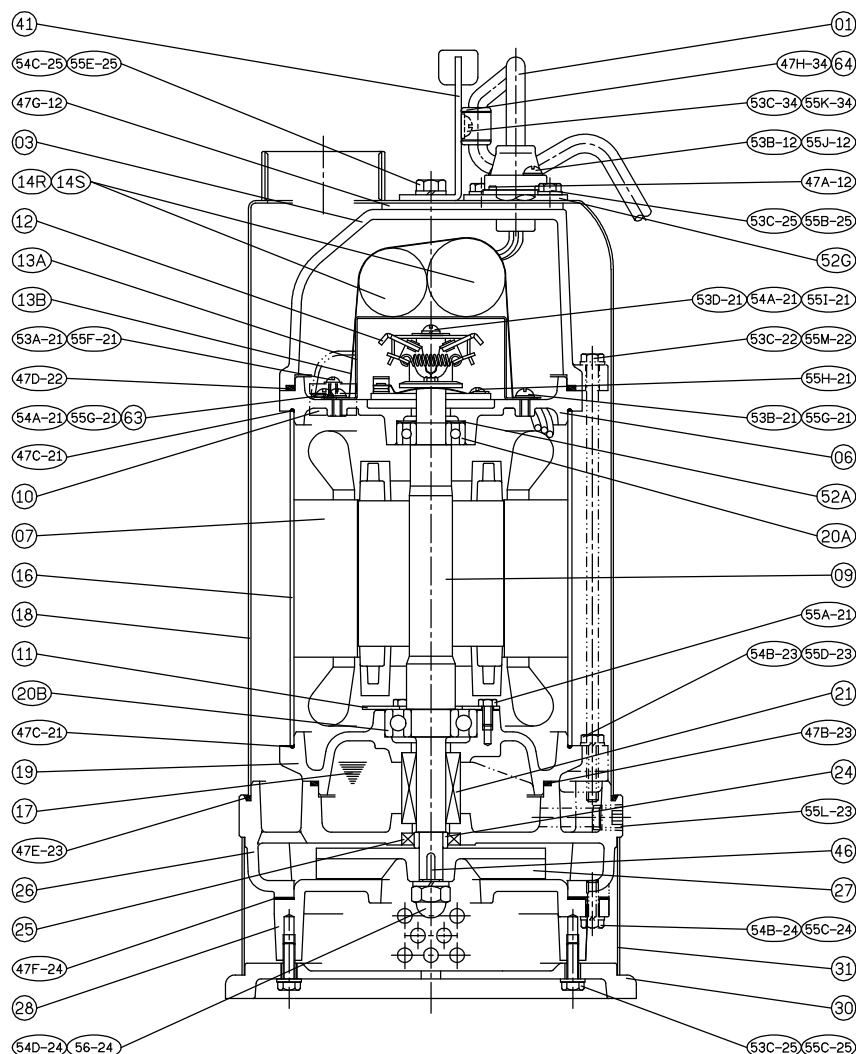
LOC	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		DN	DB	DC	DD	DE	DF	DH		
LOC3-150*98	80	98	89	15	150	185	150	5	3	3 7/8	3 1/2	9/16	5 3/4	7 5/16	5 3/4	11	8
LOC3-150*127	80	127	112	15	150	185	180	6	3	5	4 7/16	9/16	5 3/4	7 5/16	7 1/16	13	8
LOC4-175*145	100	145	130	15	175	220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

SECTIONAL VIEWS

No: 02HD0211010-00

MODEL: 50HD21.1

10



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		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	

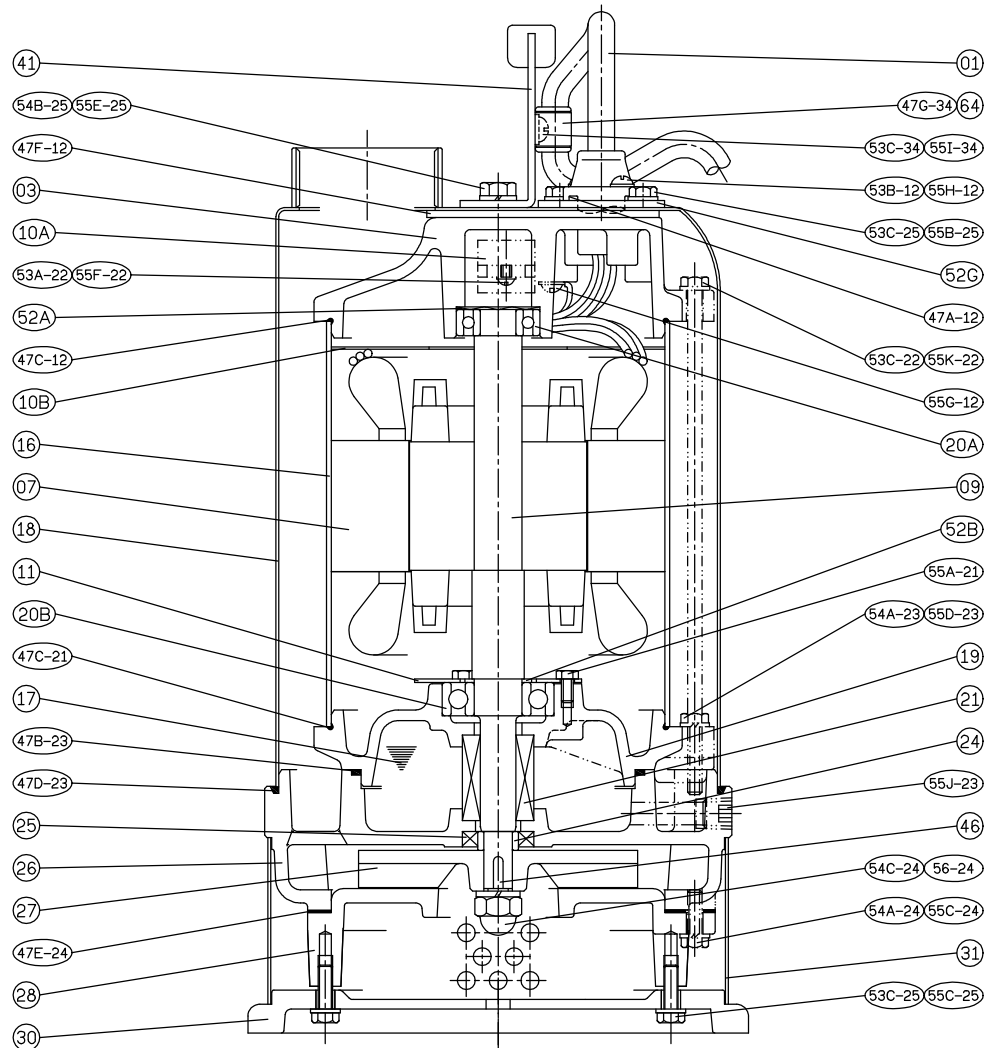
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FCD700	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304+NBR	1	
46	Impeller key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

SECTIONAL VIEWS

No: 02HD0211030-00

MODEL: 50HD21.1

3Ø



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		1	
10B	Auto-cut 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	

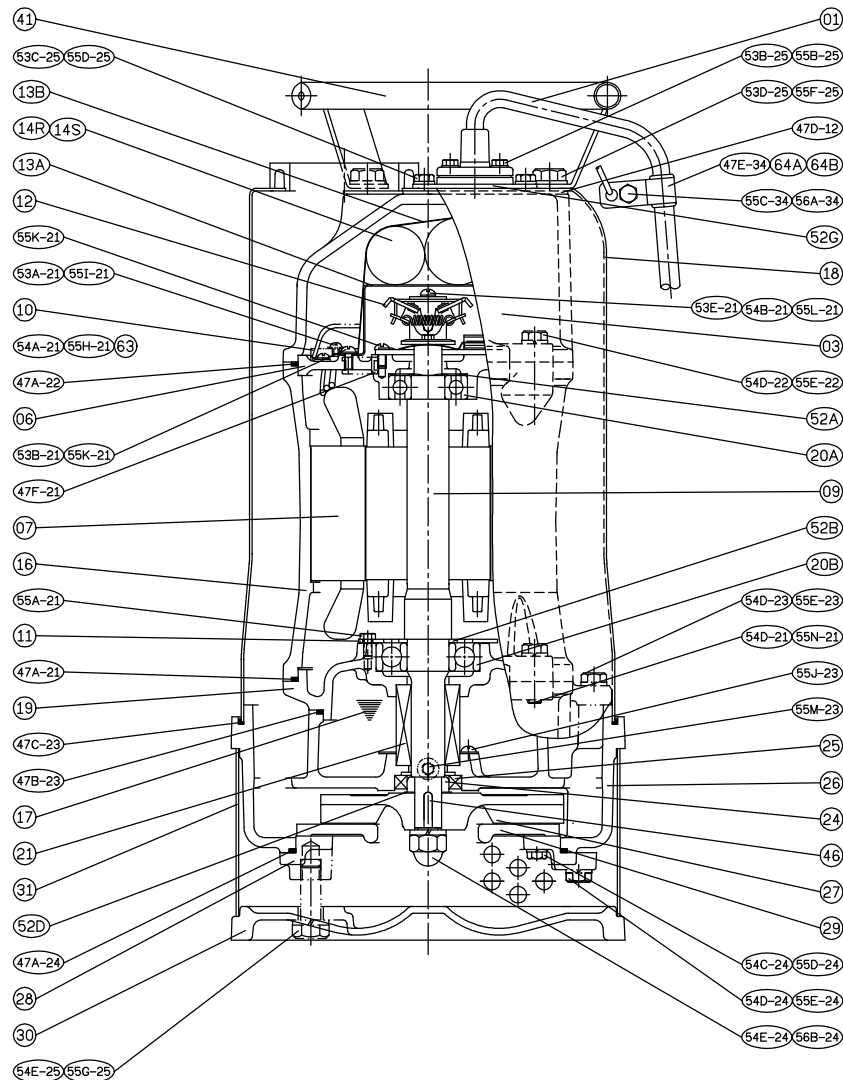
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FCD700	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304+NR	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

No: 02HD0215010-00

MODEL: 50HD21.5

1Ø



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		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	

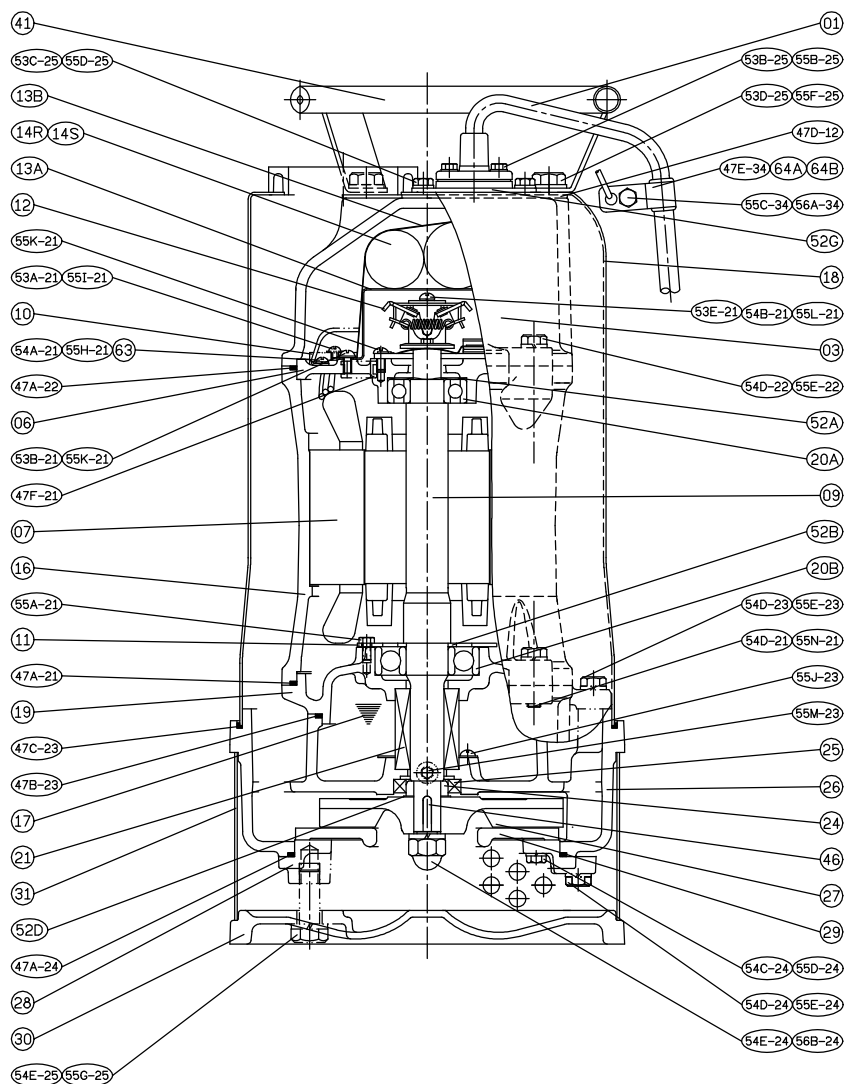
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1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

SECTIONAL VIEWS

No: 02HD0222010-00

MODEL: 50HD22.2

1Ø



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		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	

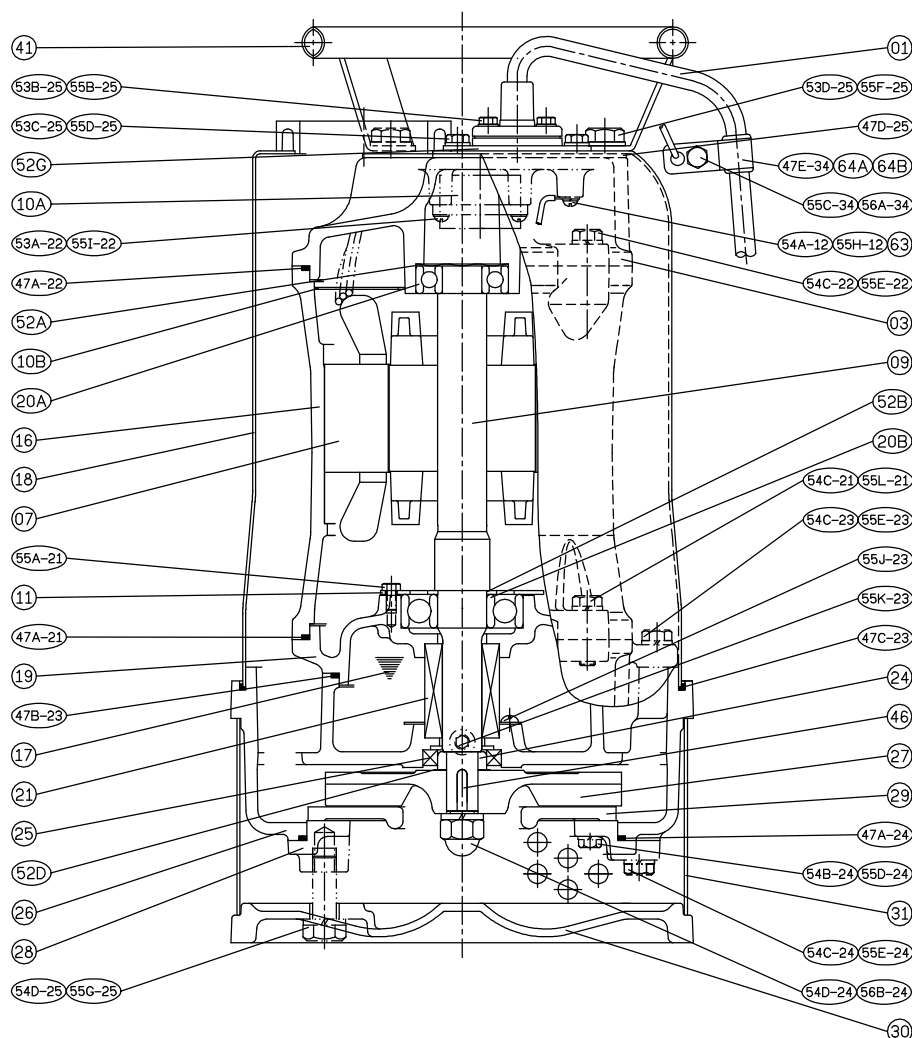
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller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

SECTIONAL VIEWS

No: 02HD0222030-00

MODEL: 50HD21.5 & 50HD22.2

3Ø



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		1	
10B	Auto-cut 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	

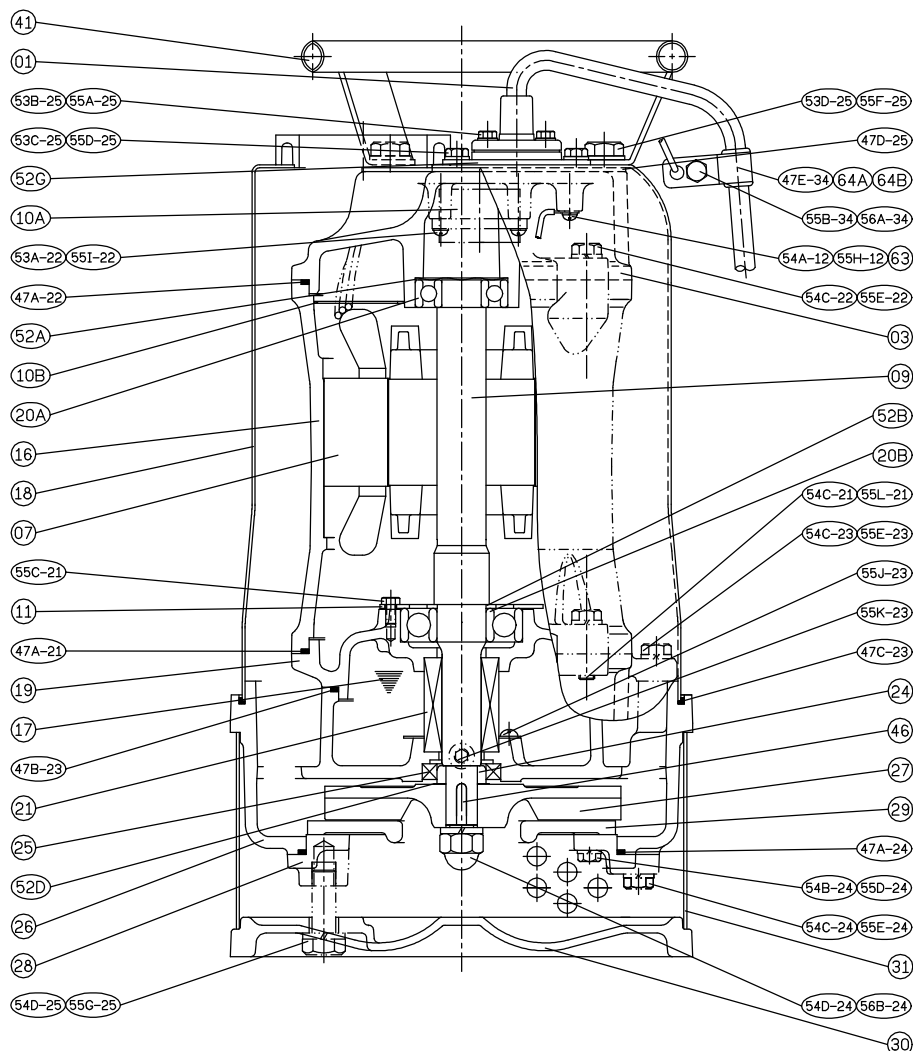
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47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

SECTIONAL VIEWS

No: 02HD0237030-00

MODEL: 50HD23.7

30



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		1	
10B	Auto-cut 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	

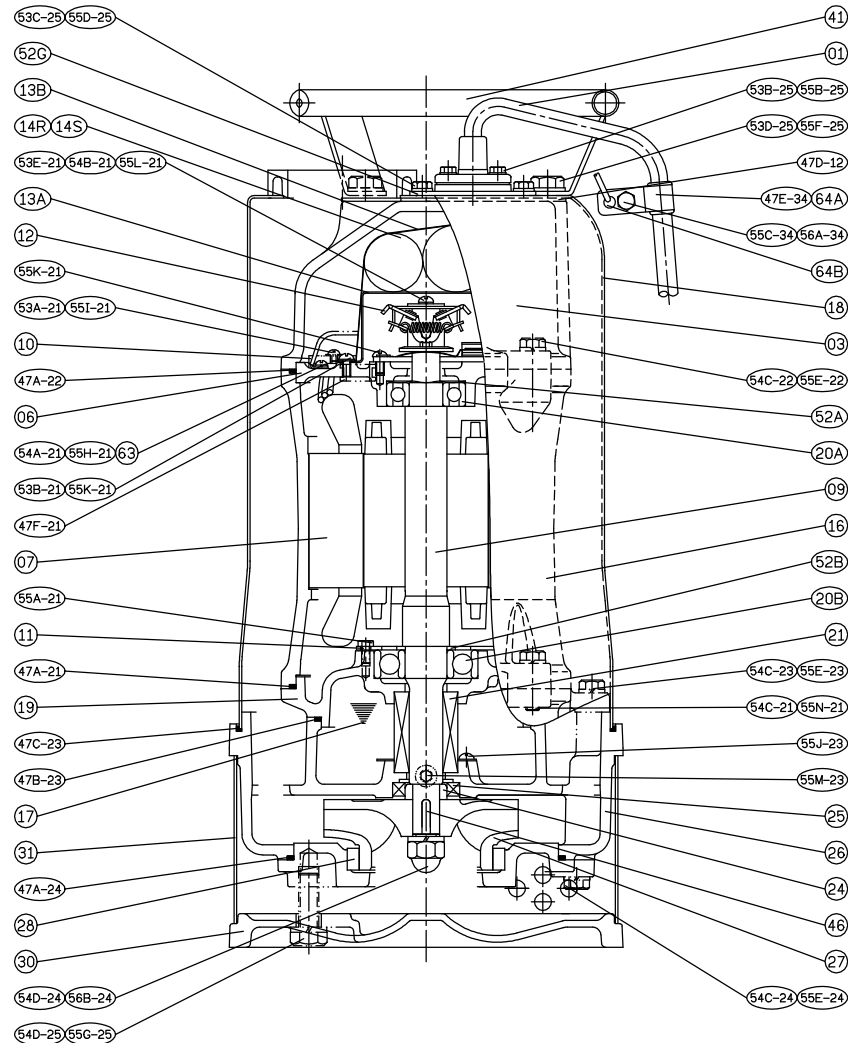
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+MBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47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

SECTIONAL VIEWS

No: 03HD0215010-00

MODEL: 80HD21.5

10



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		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	

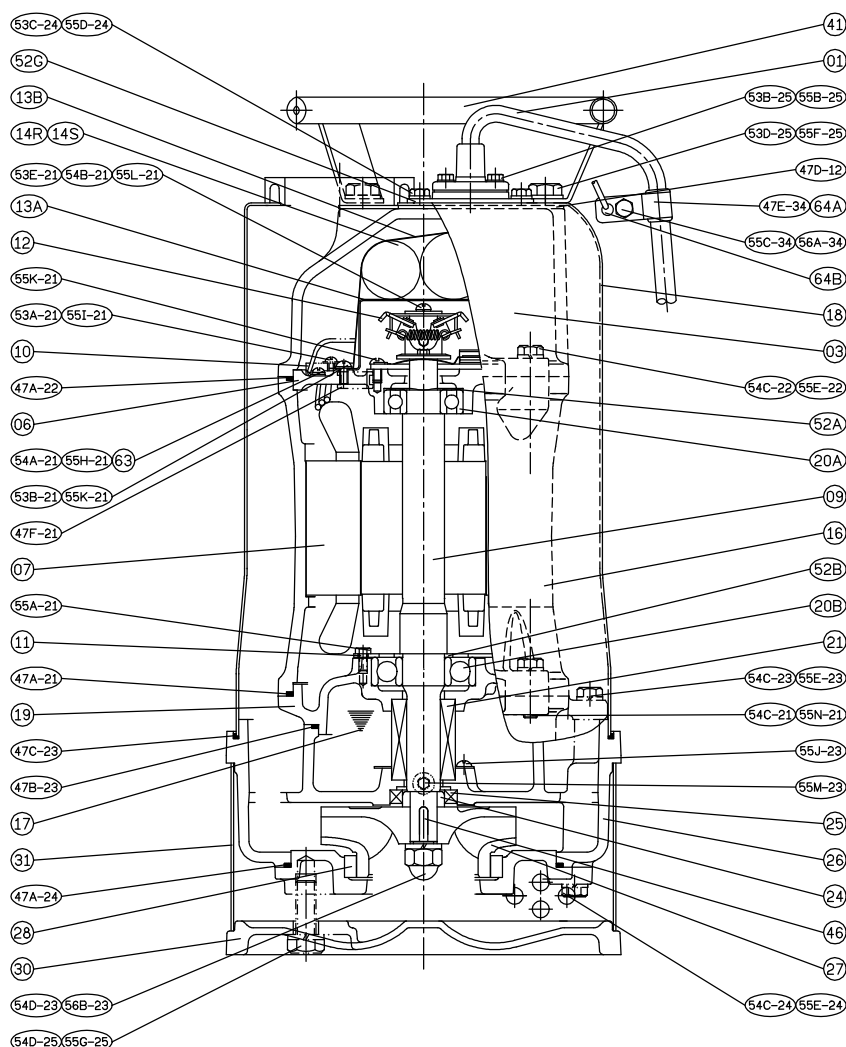
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1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

SECTIONAL VIEWS

No: 03HD0222010-00

MODEL: 80HD22.2

10



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		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	

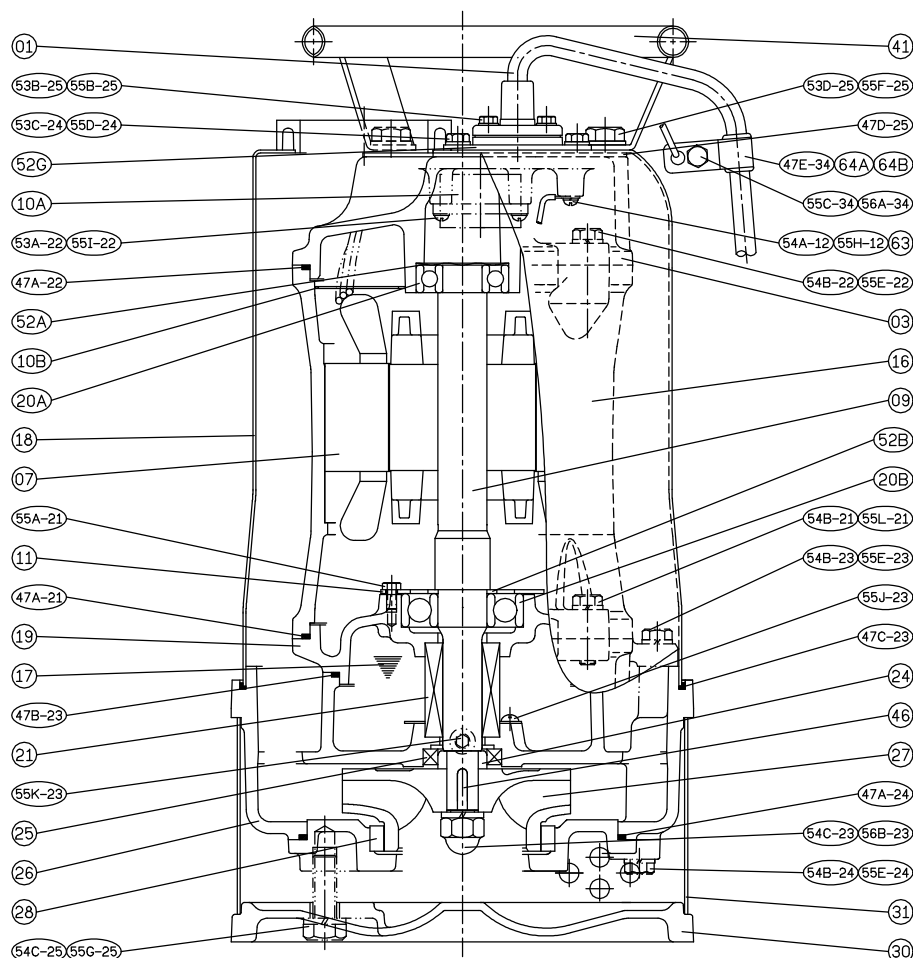
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1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

SECTIONAL VIEWS

No: 03HD0222030-00

MODEL: 80HD21.5 & 80HD22.2

3Ø



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		1	
10B	Auto-cut 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	

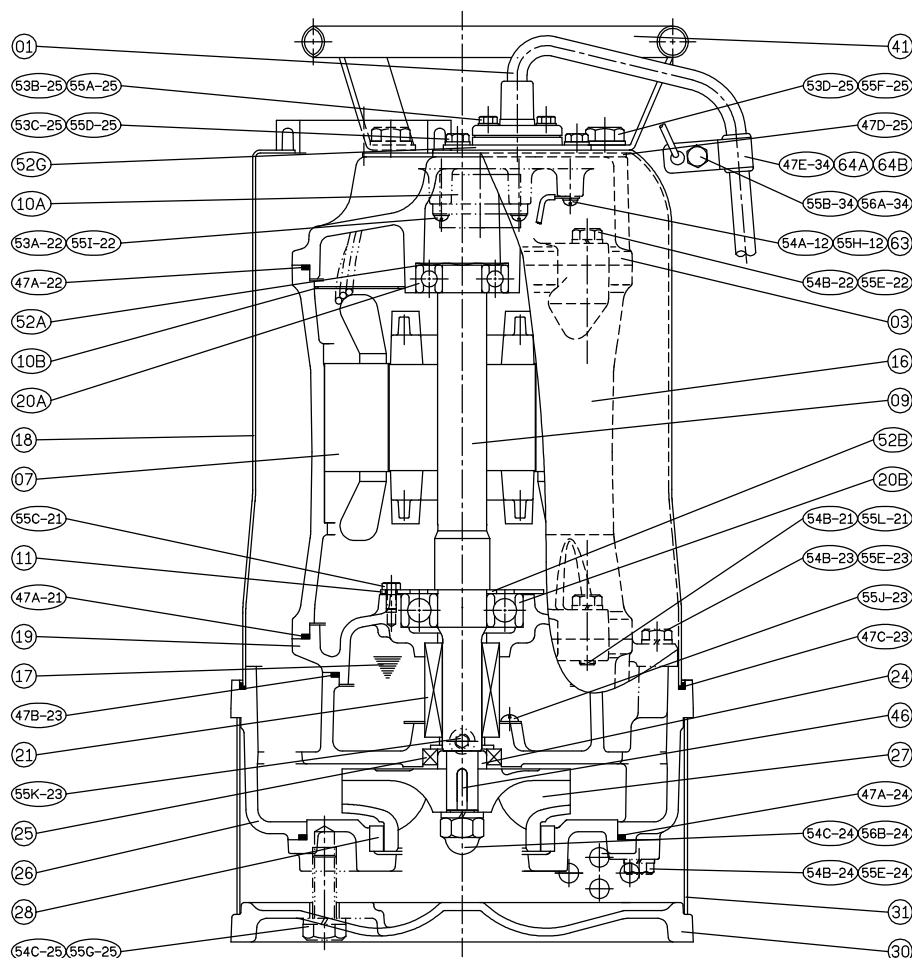
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+MBR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

No: 04HD0237030-00

MODEL: 80HD23.7 & 100HD23.7

3Ø



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		1	
10B	Auto-cut 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	

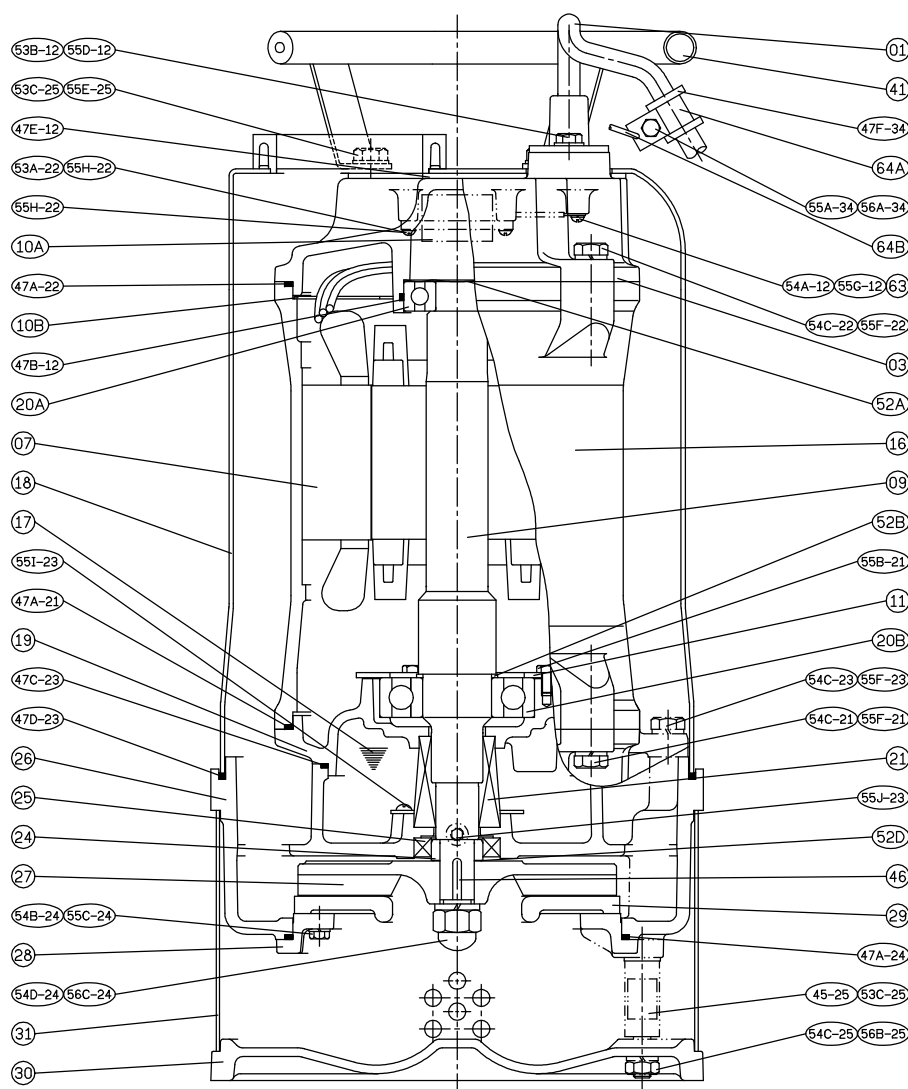
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FC200	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

No: 03HD0255030-00

MODEL: 80HD25.5

3Ø



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		1	
10B	Auto-cut 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	

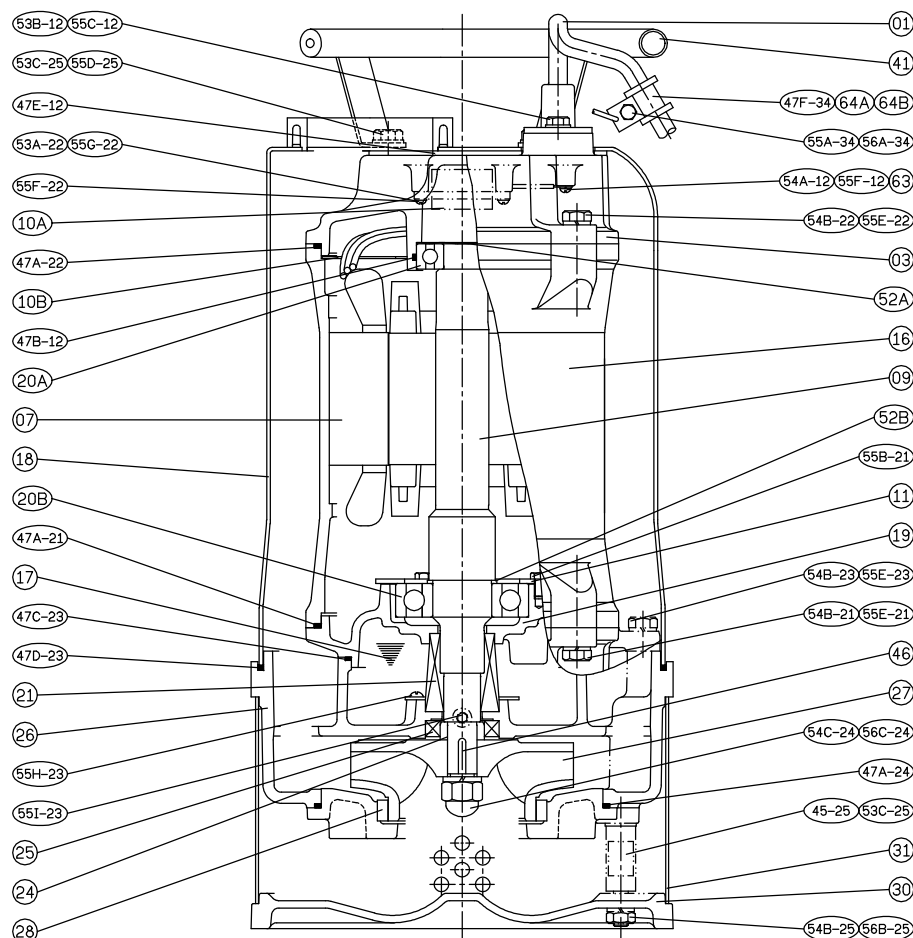
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
30	Footing	FCD450	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47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

SECTIONAL VIEWS

No: 06HD0275030-00

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

3Ø



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		1	
10B	Auto-cut 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	

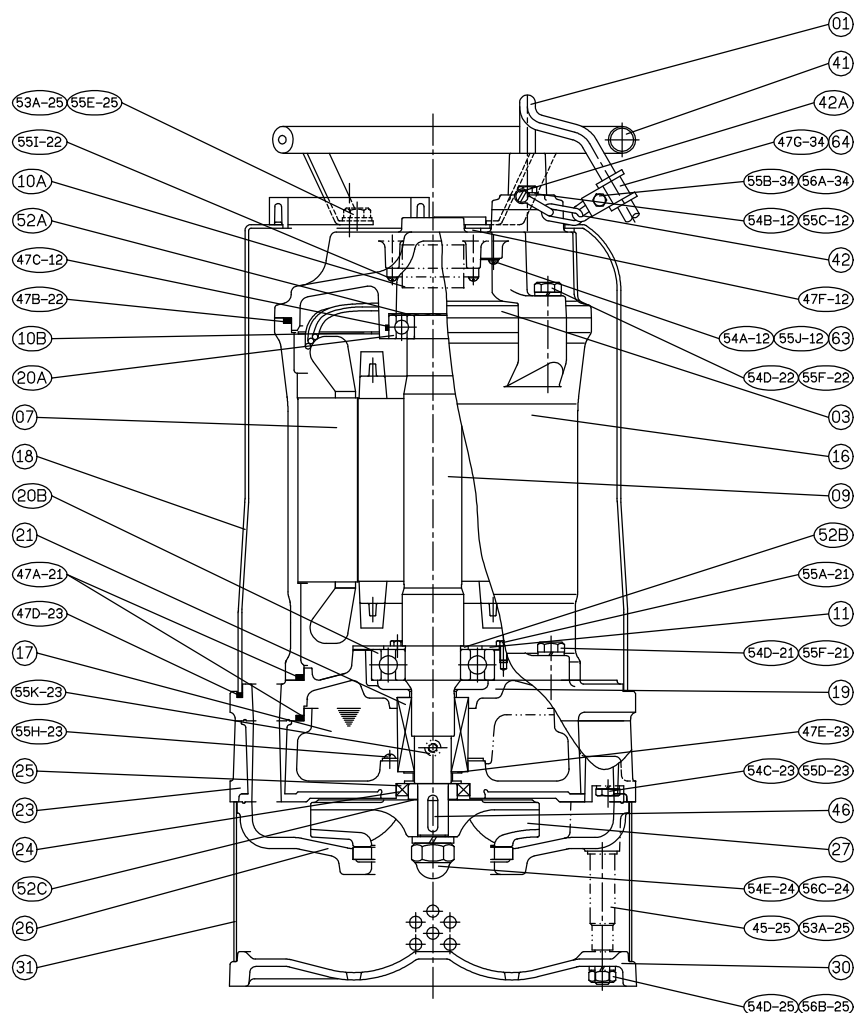
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NR	1	
26	Casing	FC200	1	
27	Impeller	HiCrFC	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
30	Footing	FCD450	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			

SECTIONAL VIEWS

No: 06HD02A5030-00

MODEL: 100HD211 & 150HD215

30



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	FC200	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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HDG(AG) SERIES

SUBMERSIBLE SLURRY DEWATERING PUMPS

POWER : 2~10HP (1.5~7.5kW)

MAX.HEAD : 125feet (38m)

MAX.FLOW : 690US.GPM (2.6m³/min)



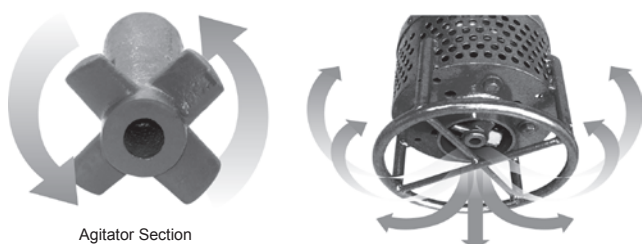
PRODUCT NOMENCLATURE

Example :

80	HDG	2	1.5
Discharge mm	Type	Pole	kW

FEATURES

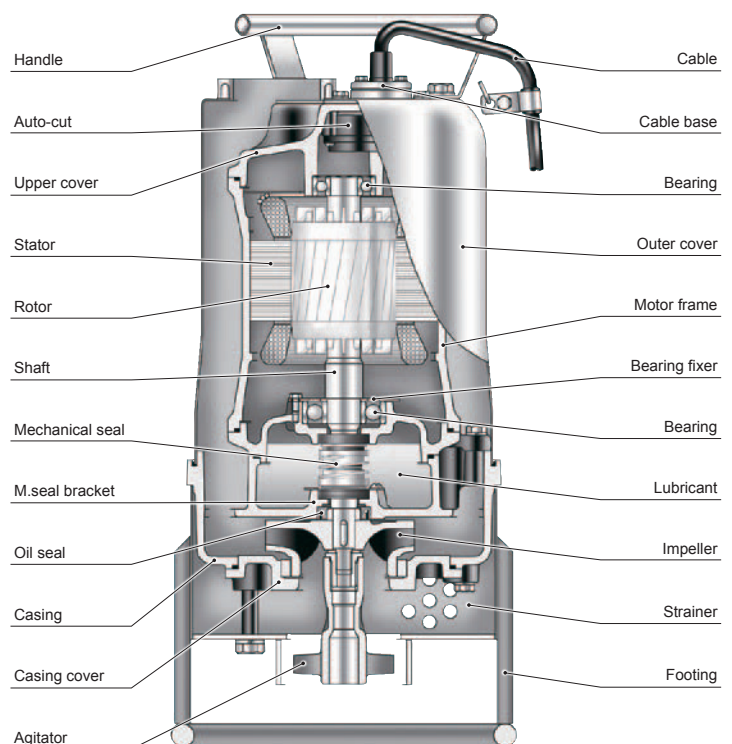
- Design for civil engineering, light weight for easy portability, double outer casing water cooling motor make it possible to run the pump to low water level.
- Best waterproof structure, automatic rest motor protector and double mechanical seal made of silicon carbide. Durable and leak proof.
- Compact, strong design and easy operation in any place.
- Impeller made of high chrome alloy (HiCrFC) steel with a hardness of 55~60 HRC. Harden and abrasion resistant.
- Equipped with a cast iron (FCD) agitator to create powerful stirring and pumping action for slurry.



Agitator Section

APPLICATIONS

- Civil engineering, dewatering for tunnel engineering also for manhole sewer.
- Dewatering fluid contain solid sediment.
- Mobile use for contractors, installers and industry.



HDG(AG) SERIES SUBMERSIBLE SLURRY DEWATERING PUMPS
80HDG21.5(AGN21.5) · 80HDG22.2(AGN22.2) ·
80HDG23.7(AGN23.7)

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Dewatering Fluid Contain Solid Sediment
Type	Frequency	60Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
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
	Agitator	FCD700
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		—



80HDG21.5(AGN21.5) · 80HDG22.2(AGN22.2) · 80HDG23.7(AGN23.7)



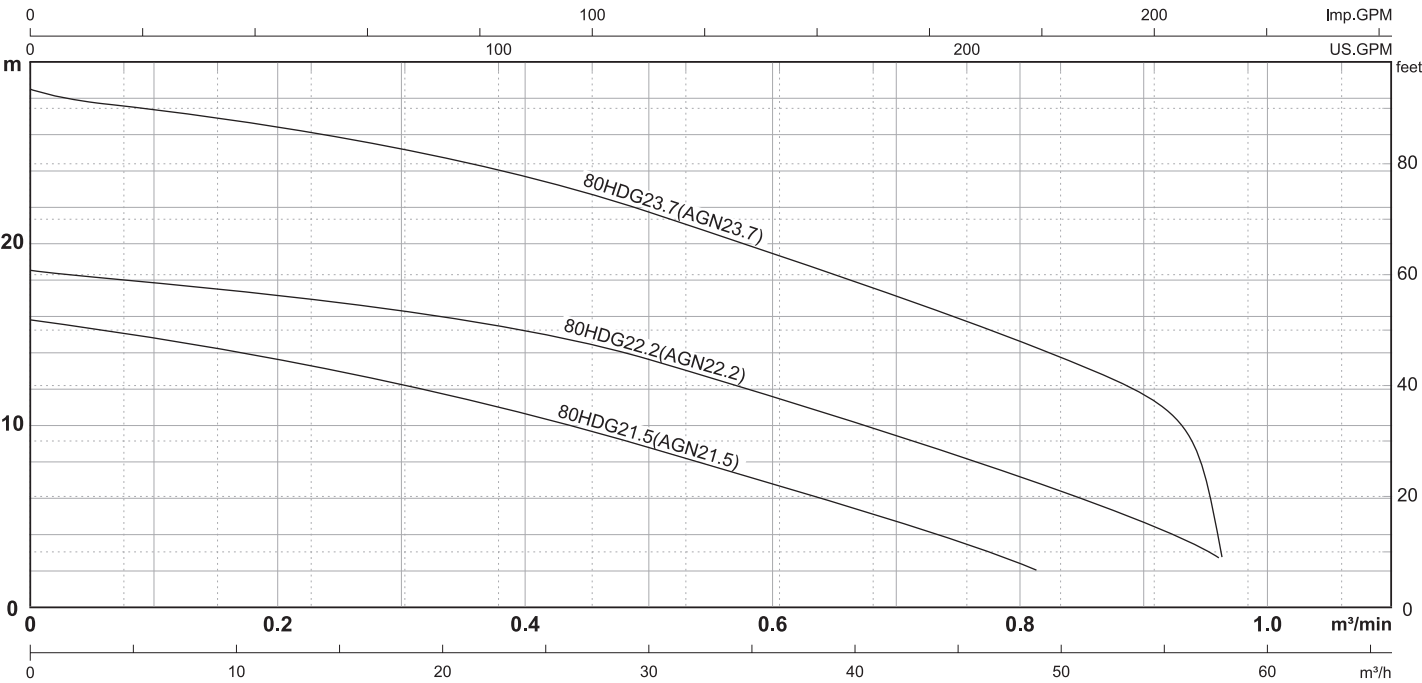
Enclosed-channel Impeller



Agitator

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		110V	220V	220V	230V	380V	460V	575V
80HDG21.5 (AGN21.5)	2(1.5)	3"(80)	8-0.5	28-132	15.5-0.85	51-225	10(3/8")	41(90)	36(79)	Full load Ampere	—	10.2	6.2	6.1	3.5	3.1	2.9
80HDG22.2 (AGN22.2)	3(2.2)	3"(80)	13.5-0.5	44-132	20-1.0	66-265	10(3/8")	45(99)	39(86)		—	14.6	8.8	8.6	4.9	4.3	3.4
80HDG23.7 (AGN23.7)	5(3.7)	3"(80)	21-0.5	69-132	28.5-1.1	94-290	10(3/8")	—	45(99)		—	—	14.0	13.8	7.9	6.6	5.5

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	70'	80'	Q:m³/min	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9
				Q:US.GPM								H:m								
80HDG21.5 (AGN21.5)	2(1.5)	3"(80)	Q:US.GPM	205	168	127	80	15	—	—	—	14.8	13.6	12.3	10.6	8.8	6.8	4.8	—	
80HDG22.2 (AGN22.2)	3(2.2)	3"(80)		252	228	189	151	105	8	—	—	17.8	17.2	16.3	15.2	13.8	11.6	9.4	4.7	
80HDG23.7 (AGN23.7)	5(3.7)	3"(80)		254	252	248	234	205	172	137	94	27.4	26.4	25.2	23.7	21.8	19.5	17.2	11.7	

HDG(AG) SERIES SUBMERSIBLE SLURRY DEWATERING PUMPS
80HDG25.5(AGH25.5) · 100HDG25.5(AGN25.5) ·
100HDG27.5(AGN27.5) · 150HDG27.5(AGL27.5)

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Dewatering Fluid Contain Solid Sediment
Type	Frequency	60Hz
	Motor	2P(3600rpm)-Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
Material	Impeller	Enclosed-channel (80AGH25.5:Semi-open)
	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS304
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	HiCrFC
	Wear plate	HiCrFC(For Semi-open)
	Wear ring	HiCrFC(For Enclosed-channel)
	Agitator	FCD700
	Cable	VCT or H07RN-F or SOW
Optional		—



80HDG25.5(AGH25.5) · 100HDG25.5(AGN25.5)
 100HDG27.5(AGN27.5) · 150HDG27.5(AGL27.5)



Semi-open Impeller



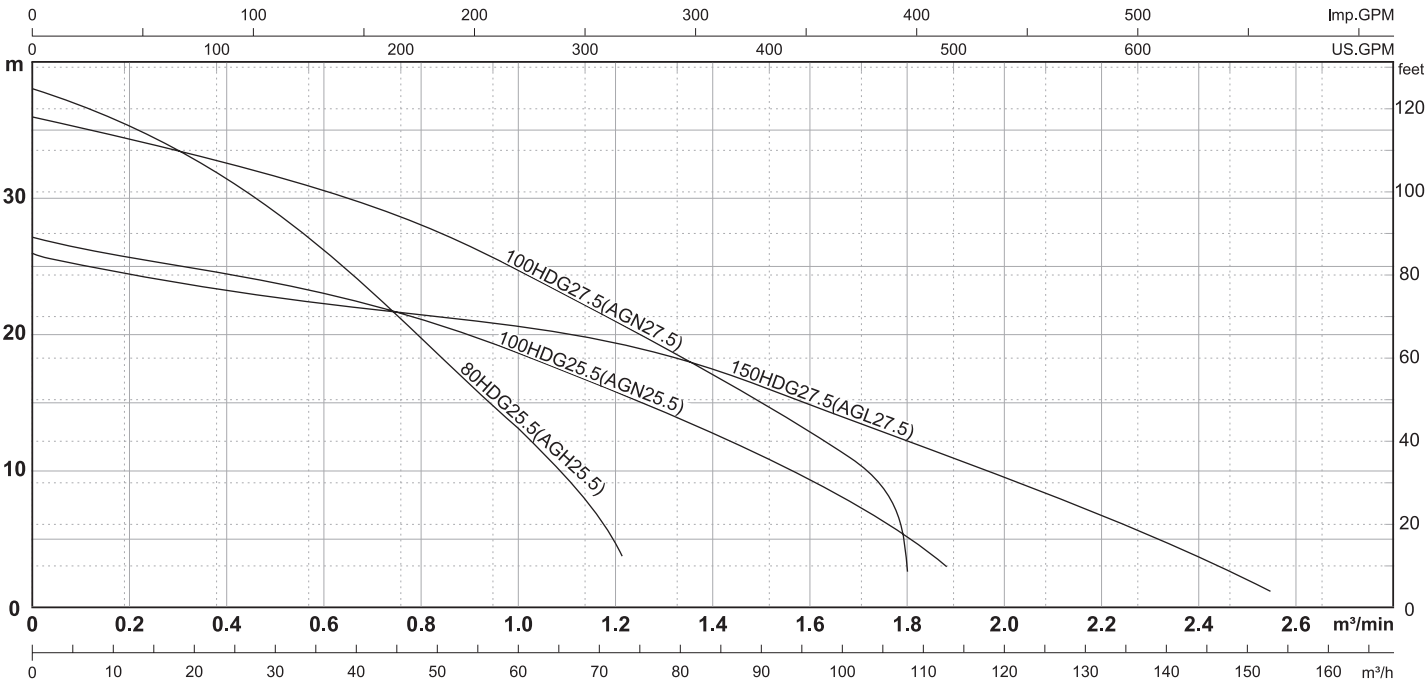
Enclosed-channel Impeller



Agitator

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lbs)	3Ø-kg(lbs)		110V	220V	220V	230V	380V	460V	575V
80HDG25.5 (AGH25.5)	7.5(5.5)	3"(80)	29-0.5	95-132	38-1.2	125-315	10(3/8")	—	70(154)	Full load Ampere	—	—	20.0	19.6	11.3	9.8	8.2
100HDG25.5 (AGN25.5)	7.5(5.5)	4"(100)	18-1.0	59-265	27-1.9	89-500	10(3/8")	—	72(159)		—	—	20.0	19.6	11.3	9.8	8.2
100HDG27.5 (AGN27.5)	10(7.5)	4"(100)	24-1.0	79-265	36-1.8	118-475	10(3/8")	—	80(176)		—	—	26.2	25.6	14.8	12.8	10.8
150HDG27.5 (AGL27.5)	10(7.5)	6"(150)	16-1.5	53-395	26-2.6	85-690	10(3/8")	—	82(181)		—	—	26.2	25.6	14.8	12.8	10.8

PERFORMANCE CURVES



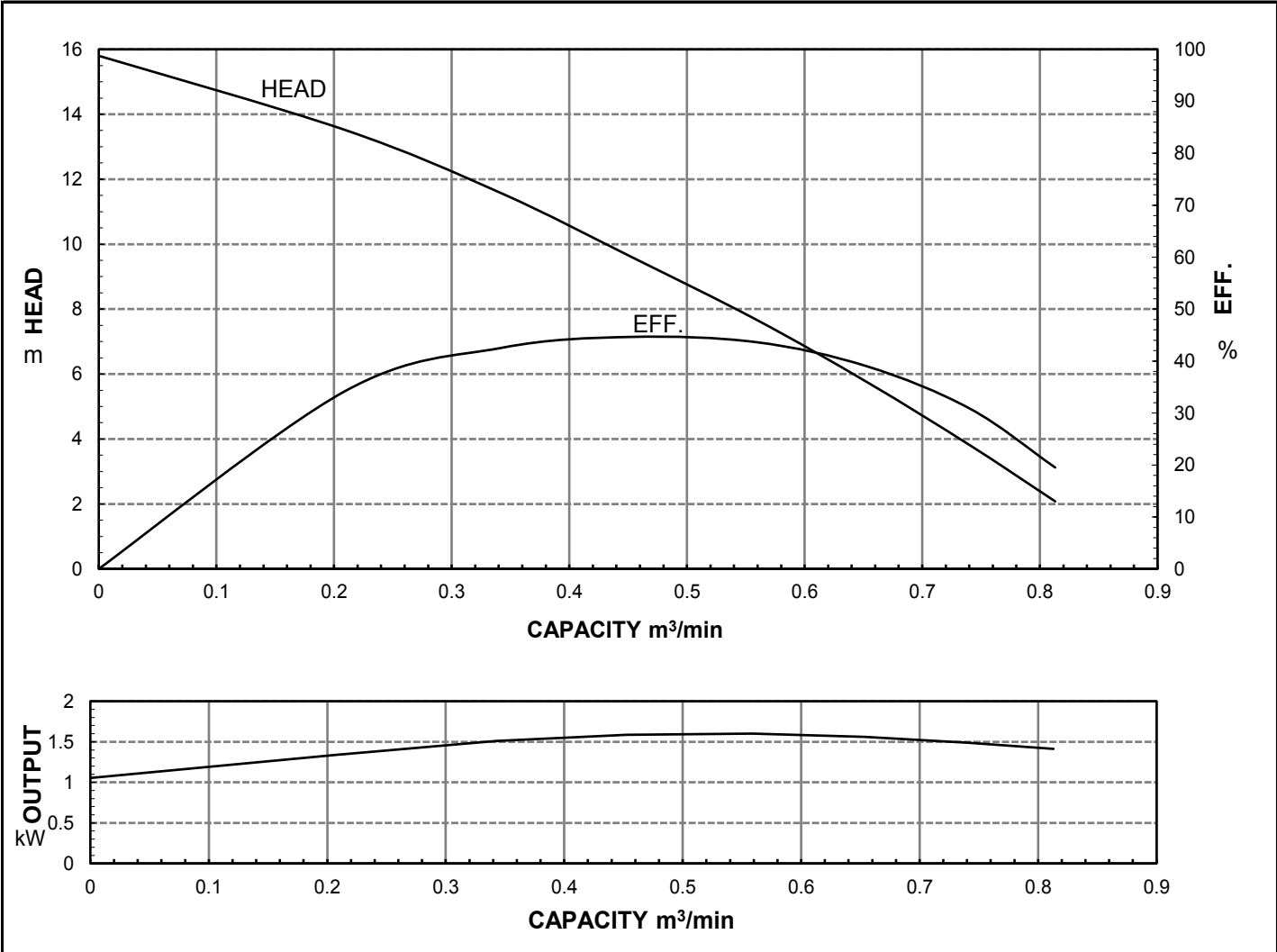
Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	60'	80'	100'	120'	Q:m³/min	0.2	0.4	0.6	0.8	1.2	1.6	2	2.4
												Q:m³/h	12	24	36	48	72	96	120	144
80HDG25.5 (AGH25.5)	7.5(5.5)	3"(80)	Q:US.GPM	—	310	292	271	222	174	116	31	H:m	35.4	31.4	26.2	19.8	4.7	—	—	—
100HDG25.5 (AGN25.5)	7.5(5.5)	4"(100)		496	464	425	379	271	110	—	—		25.6	24.4	23.0	21.2	15.8	9.4	—	—
100HDG27.5 (AGN27.5)	10(7.5)	4"(100)		474	472	460	430	352	269	161	—		34.4	32.6	30.6	28.0	21.0	12.9	—	—
150HDG27.5 (AGL27.5)	10(7.5)	6"(150)		644	592	536	476	350	56	—	—		24.4	23.2	22.3	21.4	19.4	14.9	9.6	3.6



HCP PUMP

FILE NO. PC-M-E6-80HDG21.51

PUMP PERFORMANCE CURVES						
MODEL	80HDG21.5					VER. NO. AH0103
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3	inch	/	80	mm	
OUTPUT	2	HP	/	1.5	kW	HP kW
HEAD	8 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	1 Ø	208 V	220 V	230 V		Ø V
RATED CURRENT		10.6 A	10.2 A	9.8 A		A
POLE / rpm	2	P	/	3420	rpm	
START METHOD	CAPACITOR START					
INSULATION CLASS	B					
REMARK						



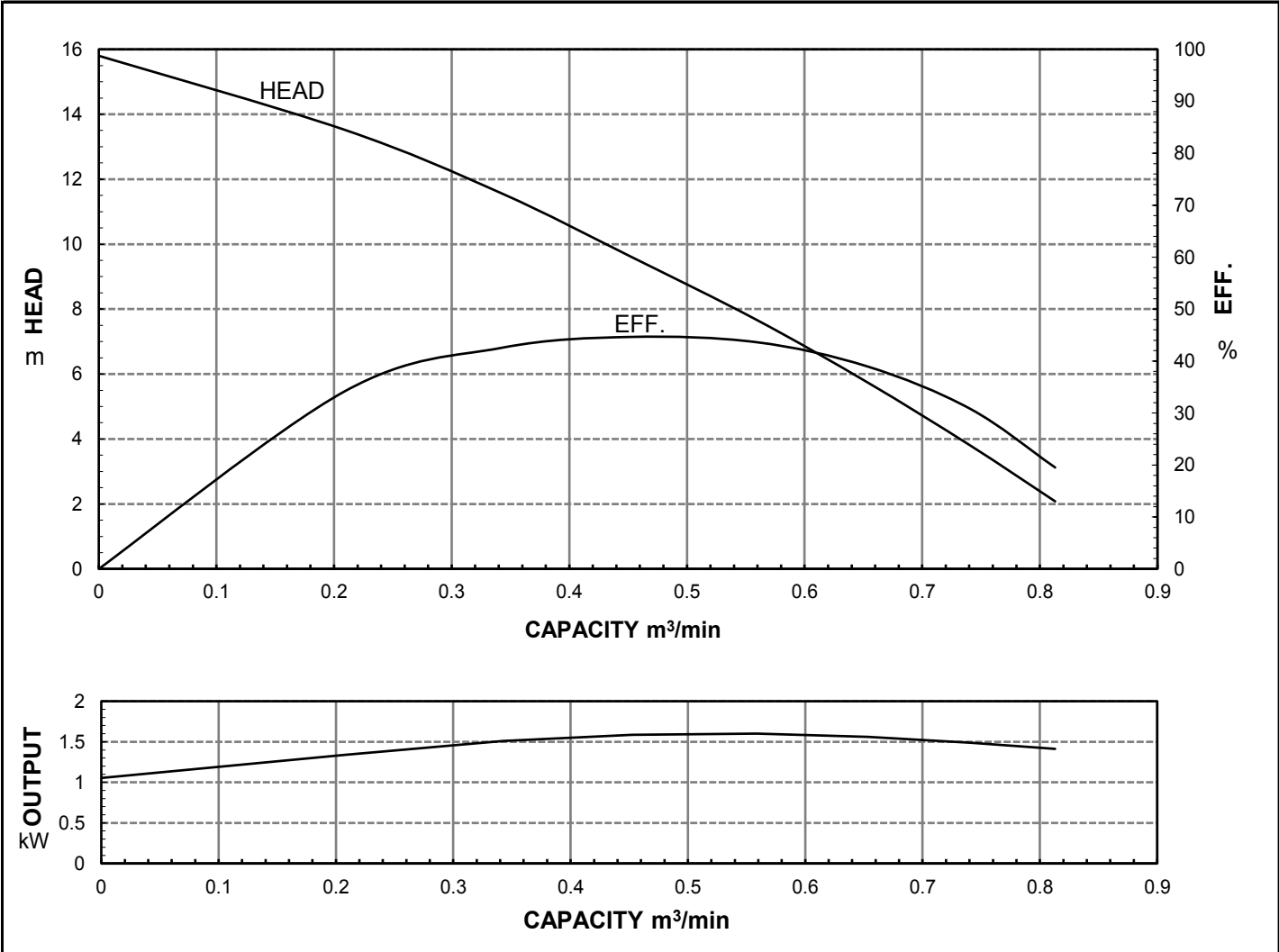
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-80HDG21.53

PUMP PERFORMANCE CURVES							
MODEL	80HDG21.5					VER. NO. AH0103	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60					Hz	
DISCHARGE	3	inch	/	80	mm		
OUTPUT	2	HP	/	1.5	kW	HP	kW
HEAD	8					m	
CAPACITY	0.5					m ³ /min	
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		6.2 A	6.1 A	3.5 A	3.1 A	3.1 A	A
POLE / rpm	2	P	/	3420	rpm		
START METHOD	DIRECT						
INSULATION CLASS	B						
REMARK							



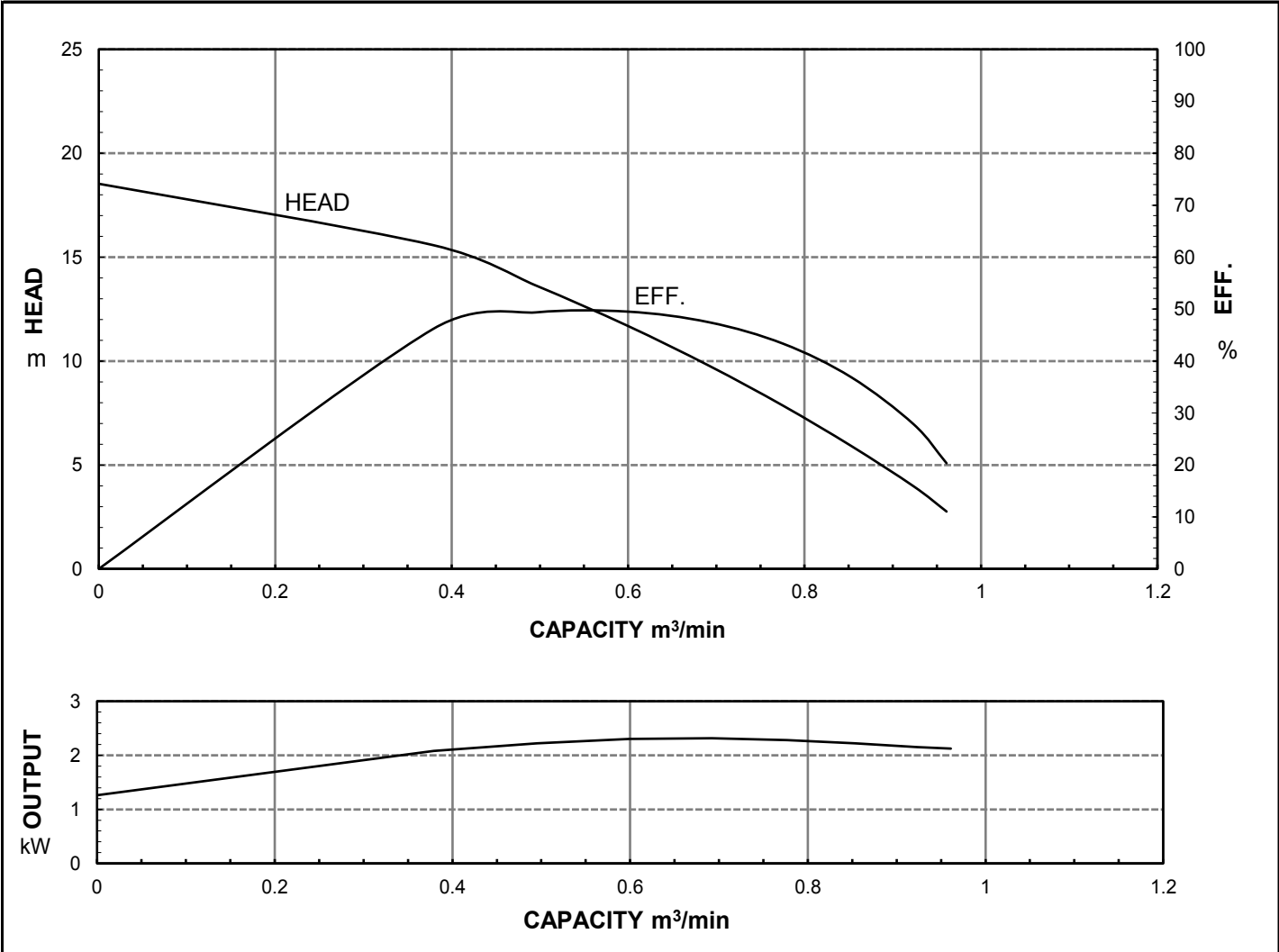
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-80HDG22.21

PUMP PERFORMANCE CURVES						
MODEL	80HDG22.2					VER. NO. AH0103
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3	inch	/	80	mm	
OUTPUT	3	HP	/	2.2	kW	HP kW
HEAD	13.5 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	1 Ø	208 V	220 V	230 V		Ø V
RATED CURRENT		15.2 A	14.6 A	14.2 A		A
POLE / rpm	2	P	/	3440	rpm	
START METHOD	CAPACITOR START					
INSULATION CLASS	B					
REMARK						



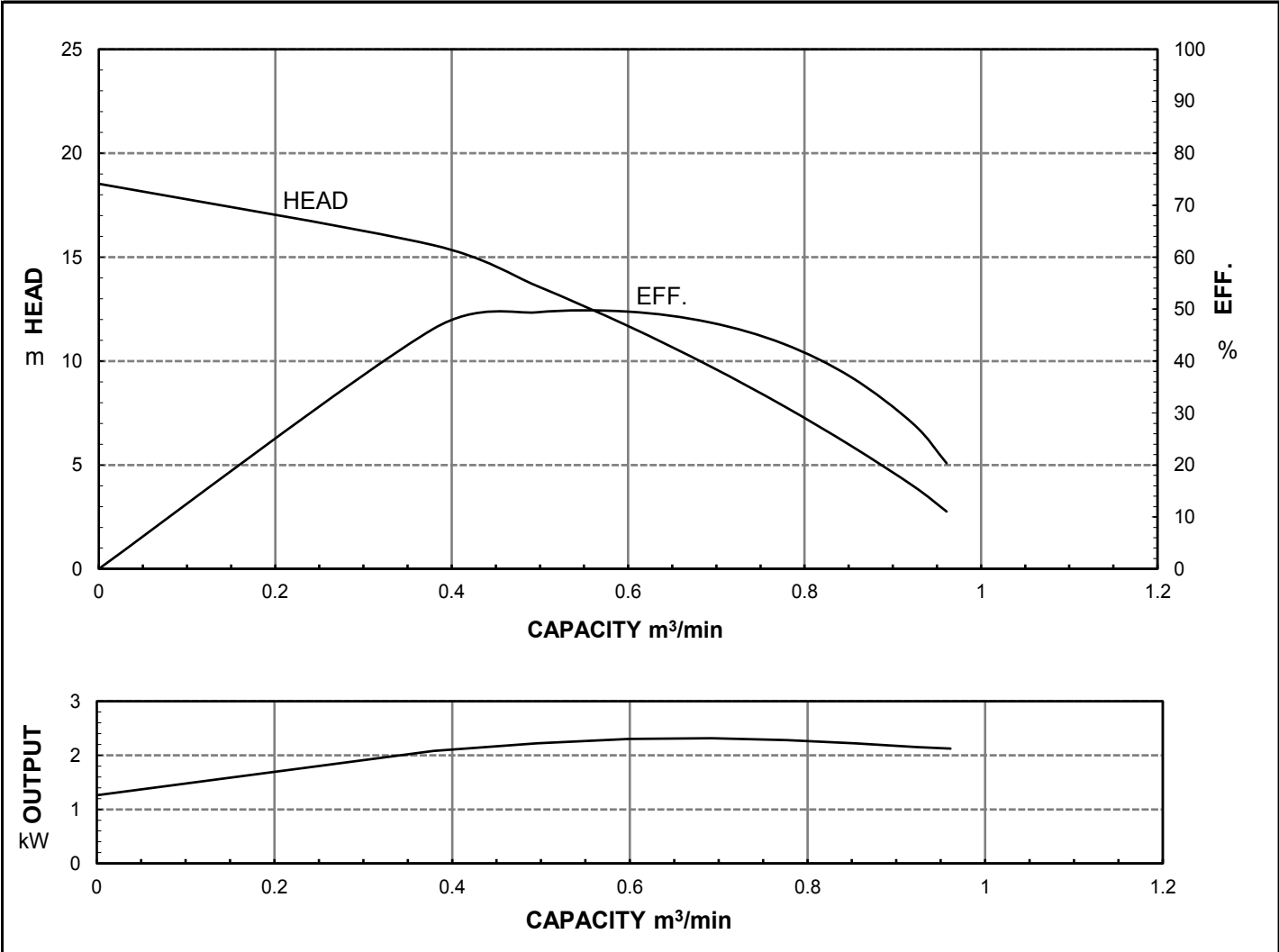
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-80HDG22.23

PUMP PERFORMANCE CURVES							
MODEL	80HDG22.2					VER. NO. AH0103	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60					Hz	
DISCHARGE	3	inch	/	80	mm		
OUTPUT	3	HP	/	2.2	kW	HP	kW
HEAD	13.5					m	
CAPACITY	0.5					m ³ /min	
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		8.8 A	8.6 A	4.9 A	4.4 A	4.3 A	A
POLE / rpm	2	P	/	3440	rpm		
START METHOD	DIRECT						
INSULATION CLASS	B						
REMARK							



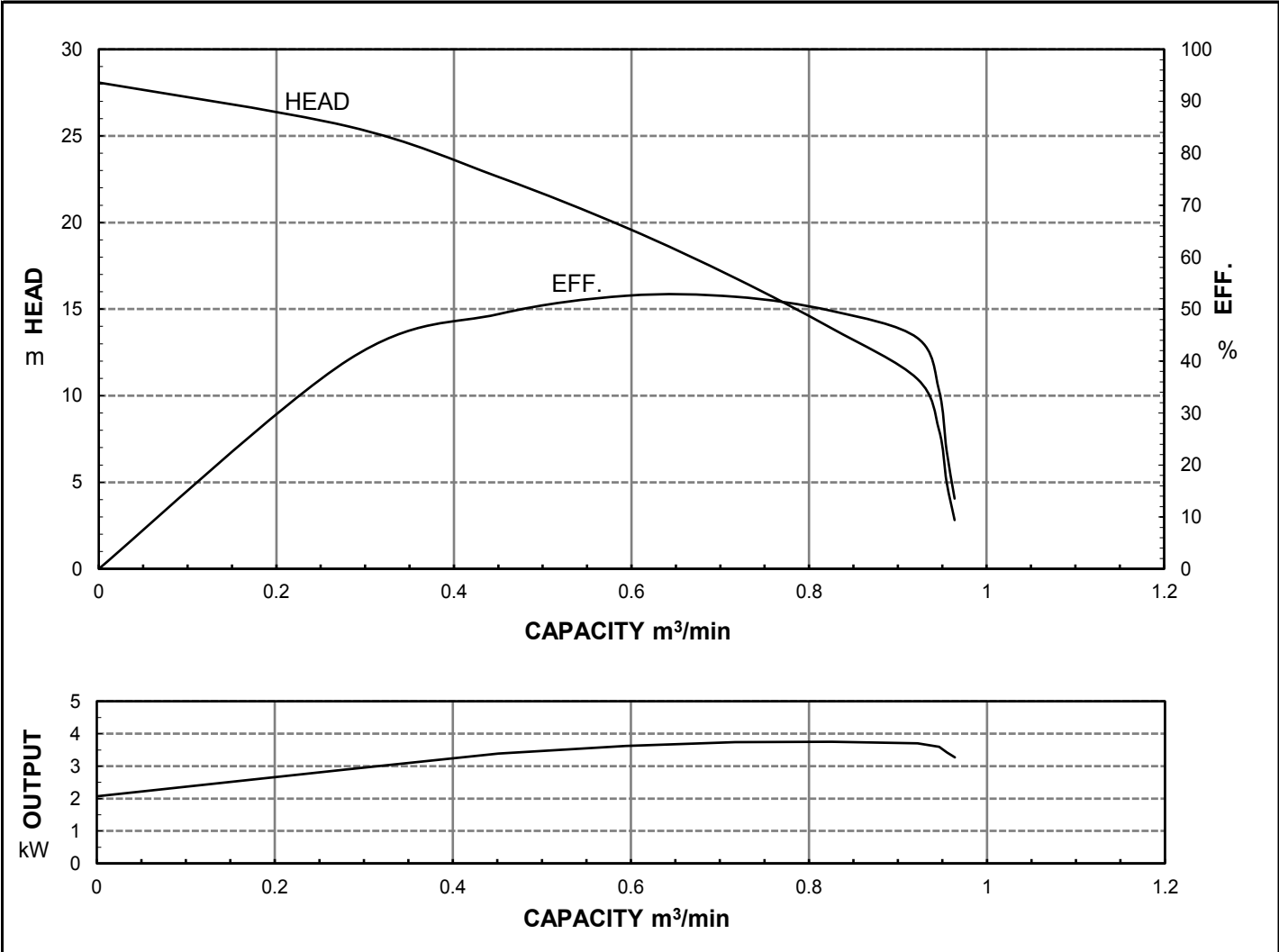
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-80HDG23.73

PUMP PERFORMANCE CURVES							
MODEL	80HDG23.7					VER. NO. AH0103	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60					Hz	
DISCHARGE	3	inch	/	80	mm		
OUTPUT	5	HP	/	3.7	kW	HP	kW
HEAD	21					m	
CAPACITY	0.5					m ³ /min	
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		14.0 A	13.8 A	7.9 A	7.0 A	6.9 A	A
POLE / rpm	2	P	/	3420	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



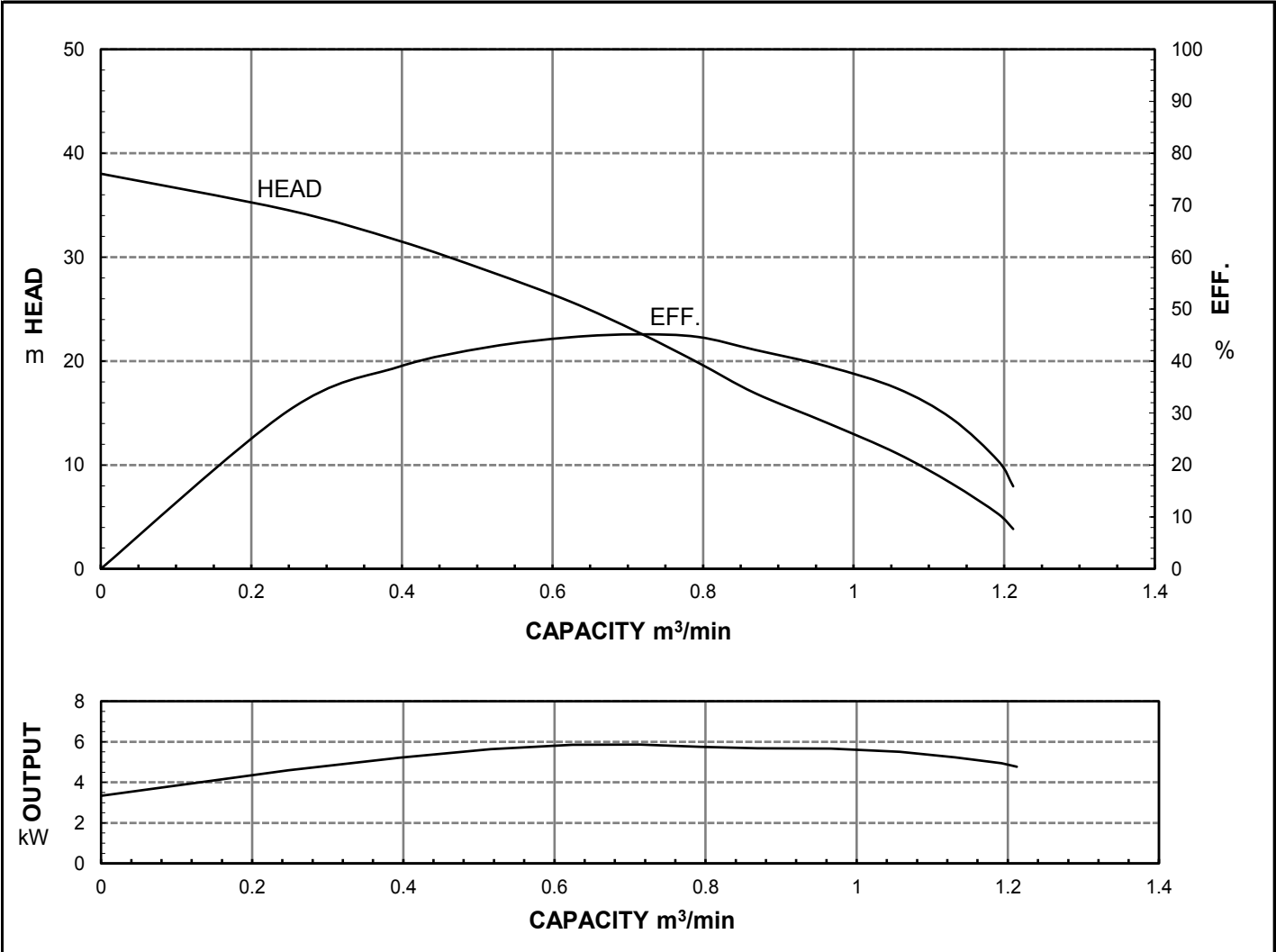
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-80HDG25.53

PUMP PERFORMANCE CURVES						
MODEL	80HDG25.5					VER. NO. AH0103
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	3 inch / 80 mm					
OUTPUT	7.5 HP / 5.5 kW					HP kW
HEAD	29 m					
CAPACITY	0.5 m ³ /min					
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V
RATED CURRENT		20.0 A	19.6 A	11.3 A	10.0 A	9.8 A
POLE / rpm	2 P / 3450 rpm					
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



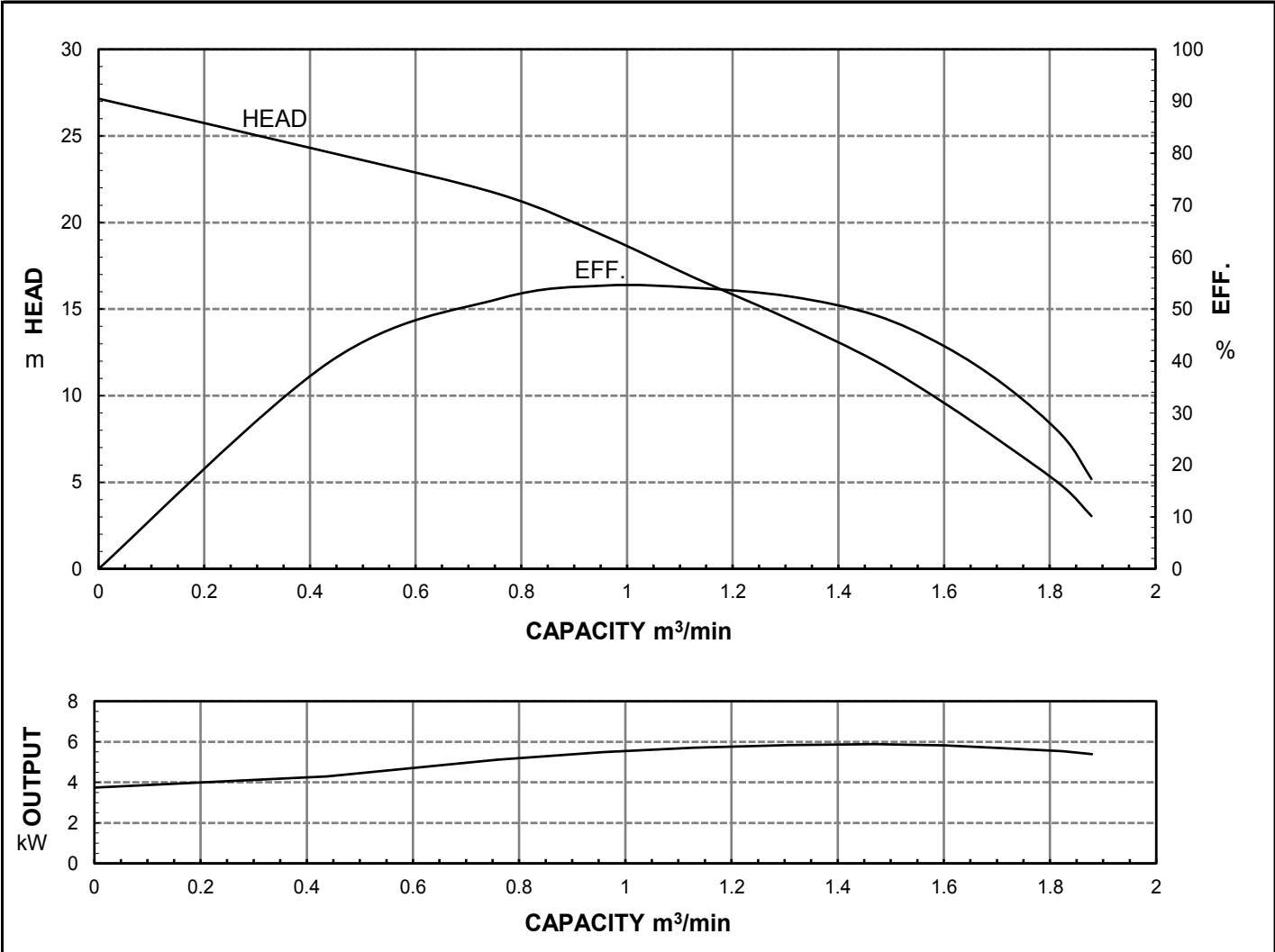
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-100HDG25.53

PUMP PERFORMANCE CURVES							
MODEL	100HDG25.5					VER. NO. AH0103	
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION	
FREQUENCY	60 Hz						
DISCHARGE	4	inch	/	100	mm		
OUTPUT	7.5	HP	/	5.5	kW	HP	kW
HEAD	18 m						
CAPACITY	1 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		20.0 A	19.6 A	11.3 A	10.0 A	9.8 A	A
POLE / rpm	2	P	/	3450	rpm		
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



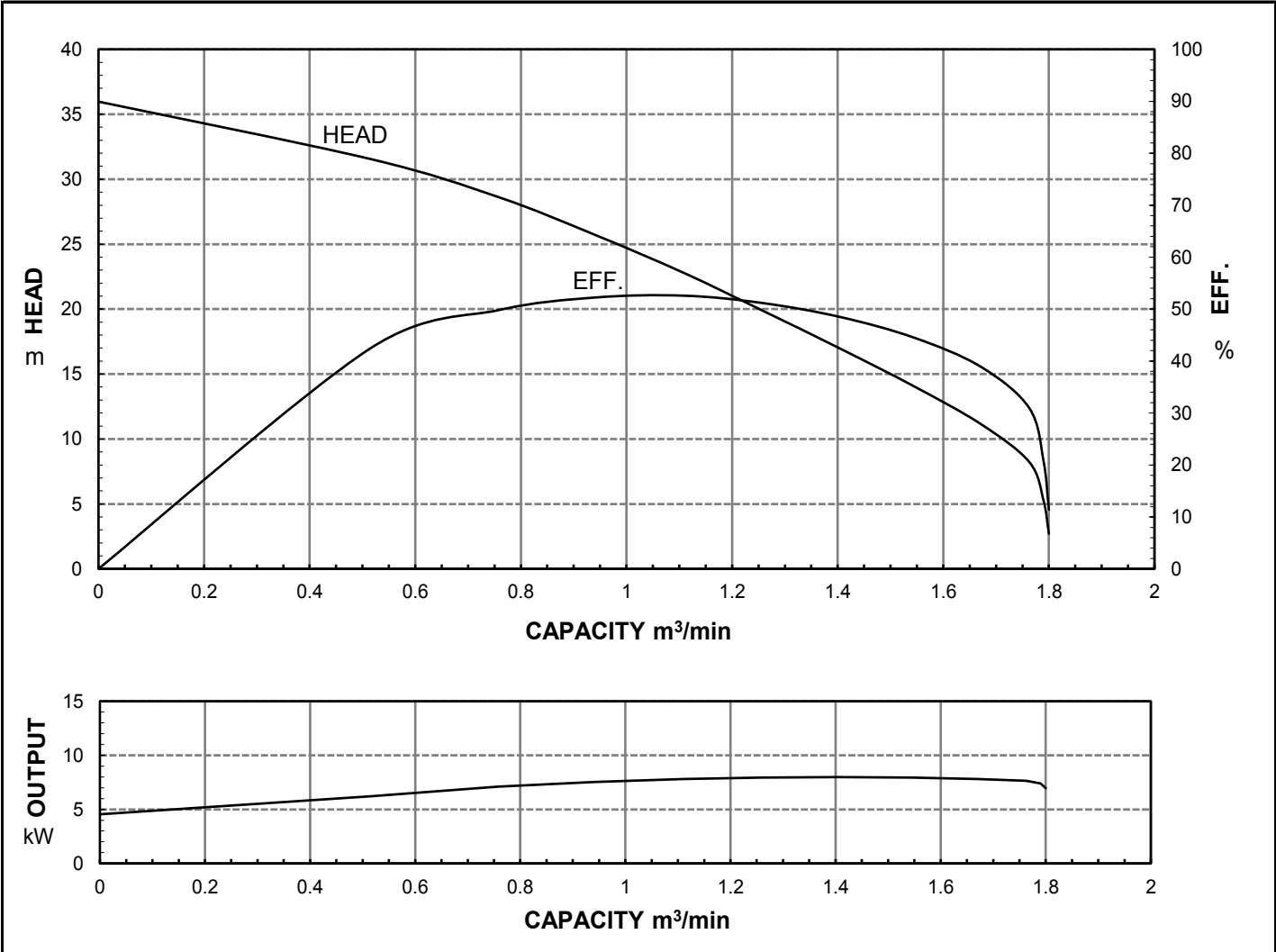
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-100HDG27.53

PUMP PERFORMANCE CURVES						
MODEL	100HDG27.5					VER. NO. AH0103
	STANDARD SPECIFICATION					REFERENCE SPECIFICATION
FREQUENCY	60 Hz					
DISCHARGE	4	inch	/	100	mm	
OUTPUT	10	HP	/	7.5	kW	HP kW
HEAD	24 m					
CAPACITY	1 m ³ /min					
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V Ø V
RATED CURRENT		26.2 A	25.6 A	14.8 A	13.1 A	12.8 A A
POLE / rpm	2	P	/	3450	rpm	
START METHOD	DIRECT					
INSULATION CLASS	F					
REMARK						



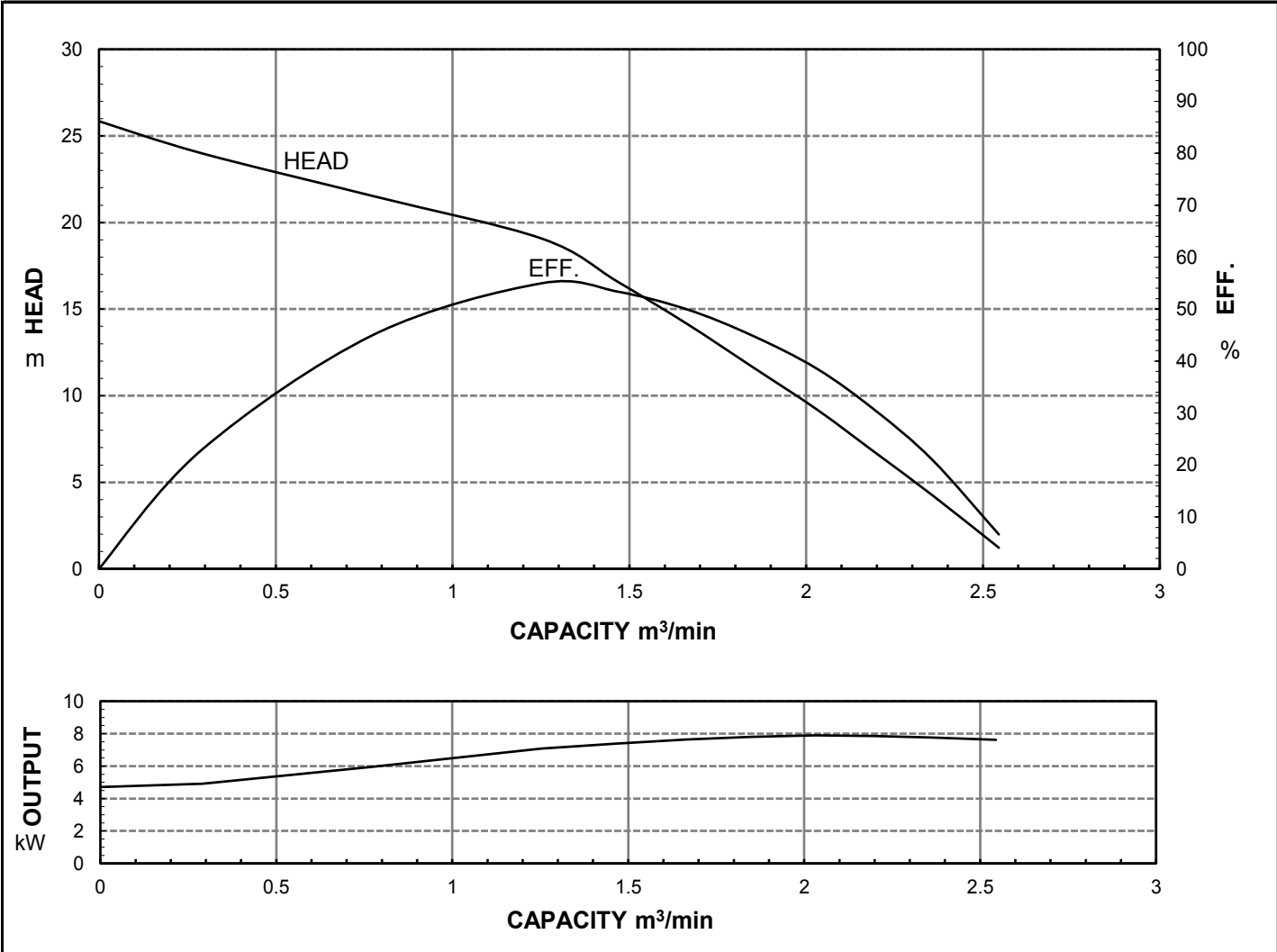
HCP PUMP MANUFACTURER CO.,LTD.



HCP PUMP

FILE NO. PC-M-E6-150HDG27.53

PUMP PERFORMANCE CURVES							
MODEL	150HDG27.5						VER. NO. AH0103
	STANDARD SPECIFICATION						REFERENCE SPECIFICATION
FREQUENCY	60 Hz						
DISCHARGE	6 inch / 150 mm						
OUTPUT	10 HP / 7.5 kW						HP kW
HEAD	16 m						
CAPACITY	1.5 m ³ /min						
PHASE/VOLTAGE	3 Ø	220 V	230 V	380 V	440 V	460 V	Ø V
RATED CURRENT		26.2 A	25.6 A	14.8 A	13.1 A	12.8 A	A
POLE / rpm	2 P / 3450 rpm						
START METHOD	DIRECT						
INSULATION CLASS	F						
REMARK							



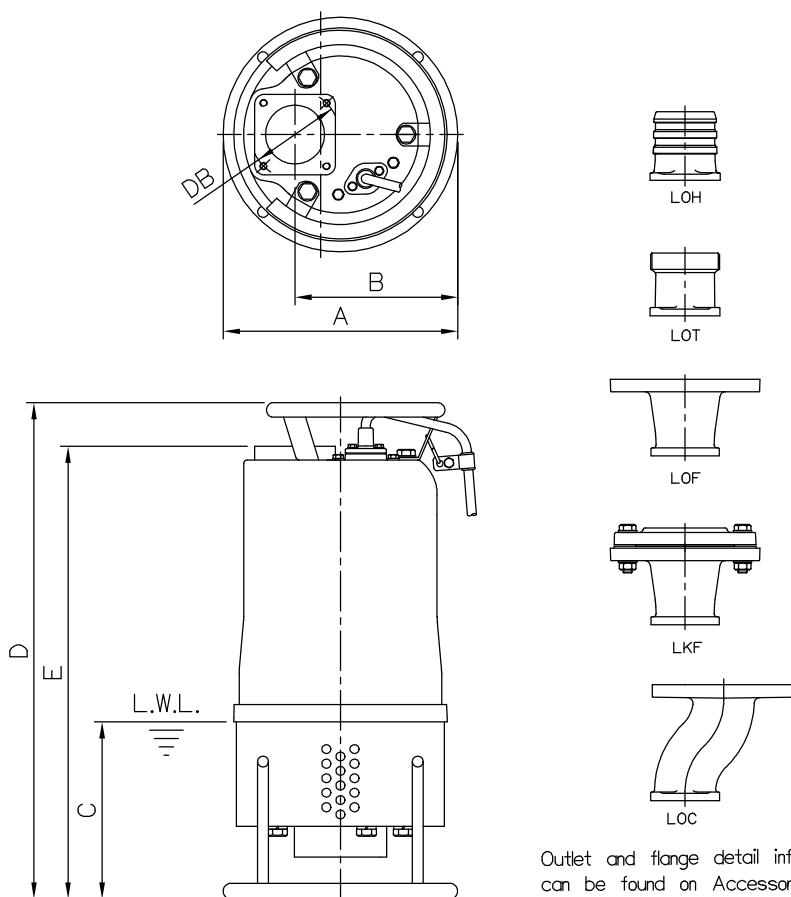
HCP PUMP MANUFACTURER CO.,LTD.

DIMENSIONS

No: S3HDG237030-00

MODEL: 80HDG21.5/22.2/23.7

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 50Hz/60Hz	Optional Outlet Accessories				
									LOH	LOT	LOF	LKF	LOC
80HDG21.5	1Ø	260	179	195	592	546	98	41	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG21.5	3Ø	260	179	195	547	502	98	36	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG22.2	1Ø	260	179	195	622	577	98	45	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG22.2	3Ø	260	179	195	547	502	98	40/39	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG23.7	3Ø	260	179	195	577	532	98	45	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98

Dimensions—inch

Weight:lb

Model		A	B	C	D	E	DB	WT1 50Hz/60Hz	Optional Outlet Accessories				
									LOH	LOT	LOF	LKF	LOC
80HDG21.5	1Ø	10¼	7½ ₁₆	7½ ₁₆	23¾ ₁₆	21½	3⅞	90	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG21.5	3Ø	10¼	7½ ₁₆	7½ ₁₆	21¾ ₁₆	19¾	3⅞	79	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG22.2	1Ø	10¼	7½ ₁₆	7½ ₁₆	24½ ₁₆	22¾ ₁₆	3⅞	99	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG22.2	3Ø	10¼	7½ ₁₆	7½ ₁₆	21¾ ₁₆	19¾	3⅞	88/86	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
80HDG23.7	3Ø	10¼	7½ ₁₆	7½ ₁₆	22¾ ₁₆	20½ ₁₆	3⅞	99	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98

L.W.L.:Lowest Running Water Level

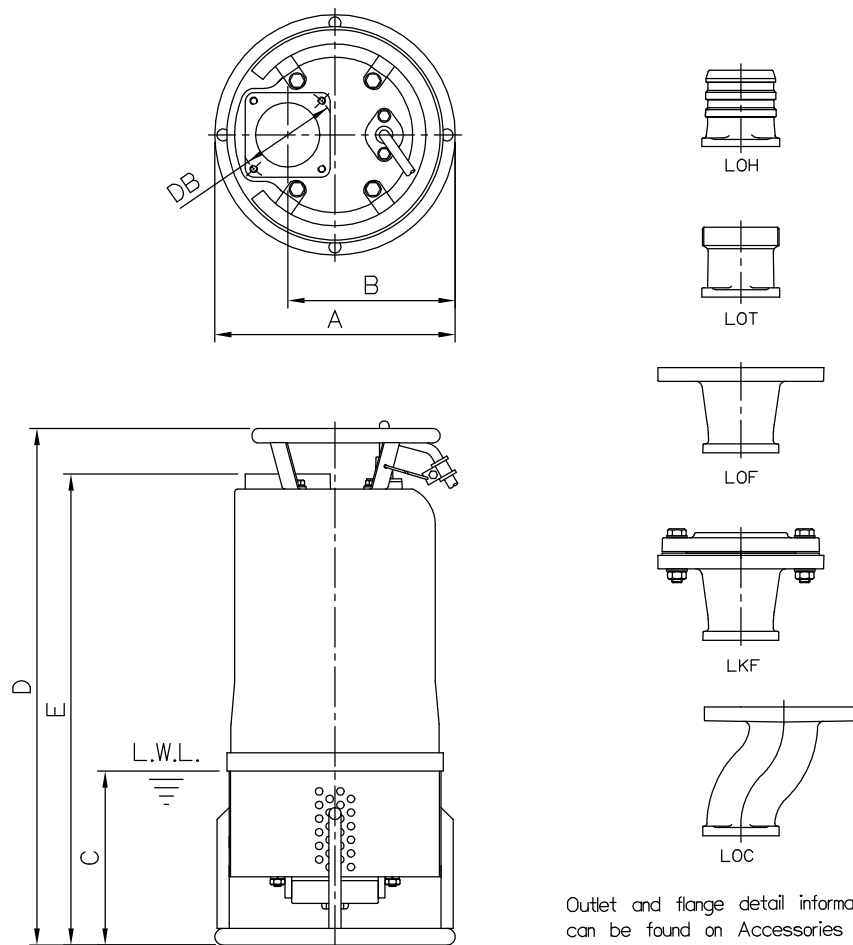
WT1:Pump Weight(Without Cable)

DIMENSIONS

No: S6HDG275030-00

MODEL: 80HDG25.5 & 100HDG25.5/27.5 & 150HDG25.5/27.5

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

Dimensions—mm

Weight:kg

Model	A	B	C	D	E	DB	WT1 50Hz/60Hz	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80H DG25.5	318	221	200	683	623	127	73/70	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100H DG25.5	318	221	200	683	623	127	76/72	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
100H DG27.5	318	221	200	683	623	127	81/80	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150H DG25.5	318	221	200	683	623	127	79/NA	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
150H DG27.5	318	221	200	683	623	127	82	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-

Dimensions—inch

Weight:lb

Model	A	B	C	D	E	DB	WT1 50Hz/60Hz	Optional Outlet Accessories				
								LOH	LOT	LOF	LKF	LOC
80HDG25.5	12½	8¼	7⅝	26⅞	24½	5	161/154	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
100HDG25.5	12½	8¼	7⅝	26⅞	24½	5	168/159	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
100HDG27.5	12½	8¼	7⅝	26⅞	24½	5	179/176	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
150HDG25.5	12½	8¼	7⅝	26⅞	24½	5	174/NA	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
150HDG27.5	12½	8¼	7⅝	26⅞	24½	5	181	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-

L.W.L.:Lowest Running Water Level

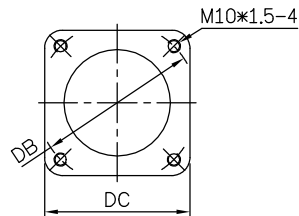
WT1:Pump Weight(Without Cable)

DIMENSIONS

No: SOHDG0000000-00

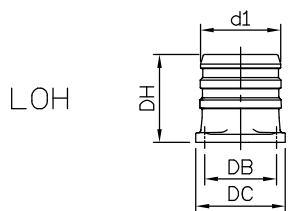
MODEL: Outlet (3"~6")

OUTLET CONNECTION

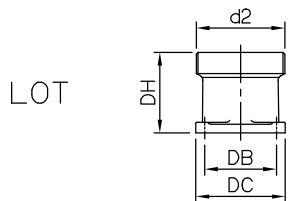


Model	mm		inch	
	DB	DC	DB	DC
1.5~3.7kW	98	89	3 7/8	3 1/2
5.5~7.5kW	127	112	5	4 1/8

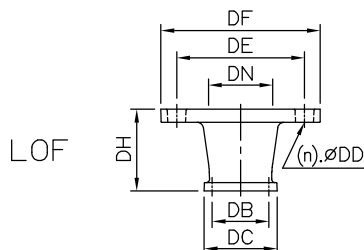
OPTIONAL OUTLET ACCESSORIES



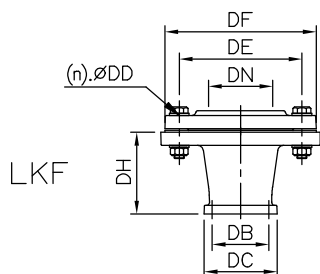
LOH	Dimensions-mm				kg	Dimensions-inch				lb
	d1	DB	DC	DH		d1	DB	DC	DH	
LOH3-98	80	98	89	100	2	3	3 7/8	3 1/2	3 15/16	4
LOH3-127	80	127	112	110	2	3	5	4 7/16	4 5/16	4
LOH4-127	100	127	112	110	3	4	5	4 7/16	4 5/16	7
LOH6-127	150	127	112	172	5	6	5	4 7/16	6 3/4	11



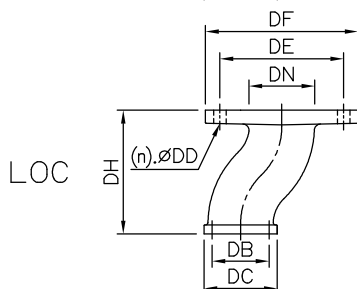
LOT	Dimensions-mm				kg	Dimensions-inch				lb	Thread Available		
	d2	DB	DC	DH		d2	DB	DC	DH				
LOT3-98	80	98	89	80	2	3	3 7/8	3 1/2	3 1/8	4	PF	PT	NPT
LOT3-127	80	127	112	85	2	3	5	4 7/16	3 3/8	4	PF	PT	NPT
LOT4-127	100	127	112	85	2	4	5	4 7/16	3 3/8	4	PF	PT	NPT
LOT6-127	150	127	112	140	4	6	5	4 7/16	5 1/2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



LOF	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		DN	DB	DC	DD	DE	DF	DH		
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*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 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		DN	DB	DC	DD	DE	DF	DH			
LKF3-150*98	80	98	89	15	150	185	100	8	3	3 7/8	3 1/2	9/16	5 3/4	7 1/16	3 15/16	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 1/16	4 5/16	15	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 1/4	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 7/16	11	5 1/2	44	8	PT NPT



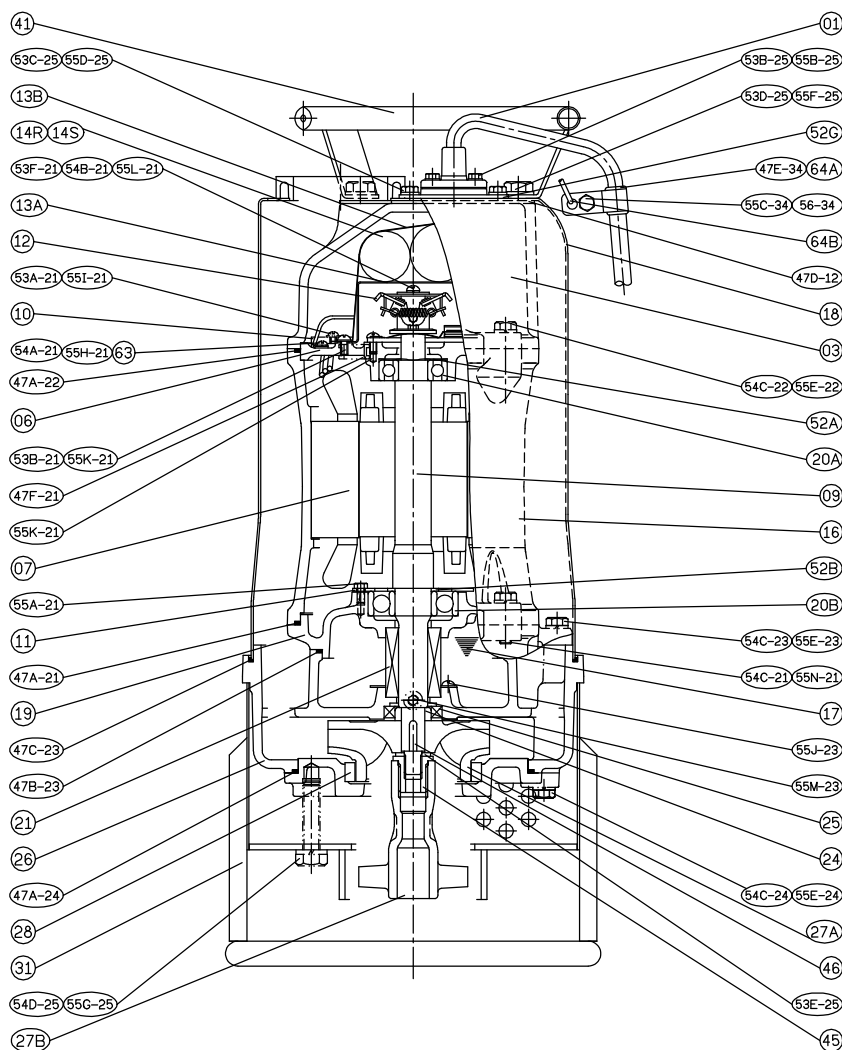
LOC	Dimensions-mm							kg	Dimensions-inch							lb	(n)QTY
	DN	DB	DC	DD	DE	DF	DH		DN	DB	DC	DD	DE	DF	DH		
LOC3-150*98	80	98	89	15	150	185	150	5	3	3 7/8	3 1/2	9/16	5 3/4	7 1/16	5 3/4	11	8
LOC3-150*127	80	127	112	15	150	185	180	6	3	5	4 7/16	9/16	5 3/4	7 1/16	7 1/16	13	8

SECTIONAL VIEWS

No: 03HDG215010-00

MODEL: 80HDG21.5

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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		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	

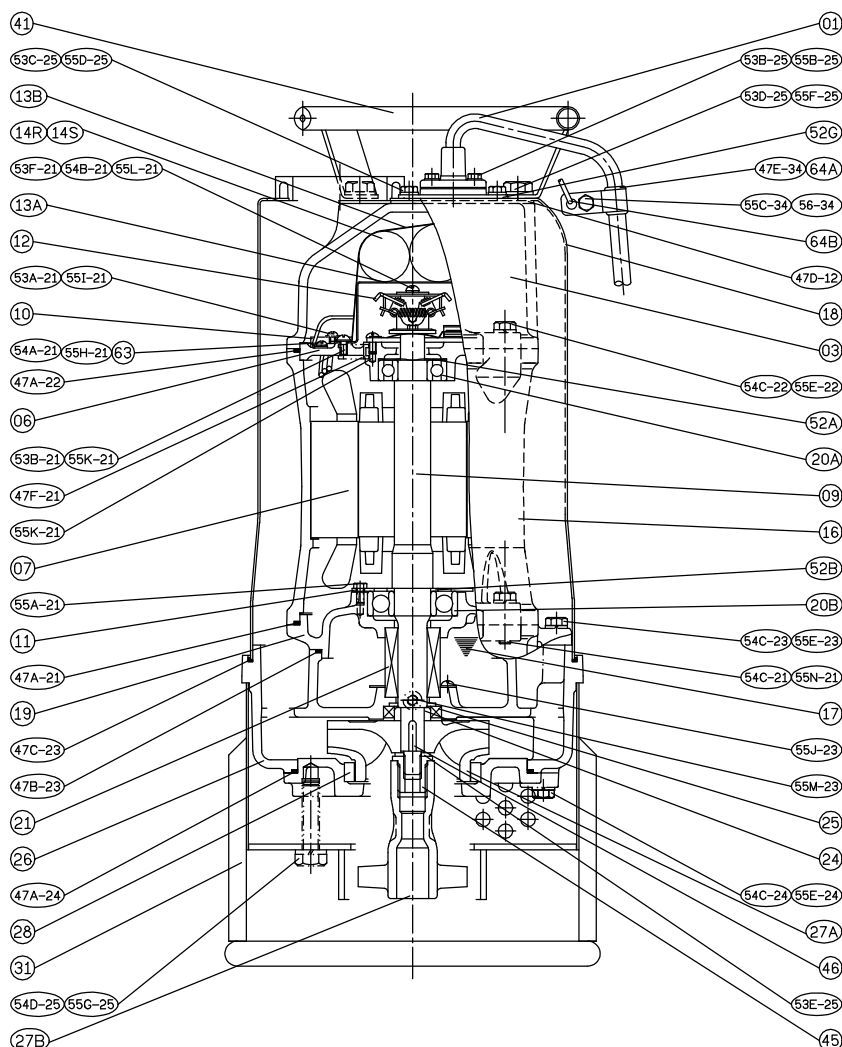
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+IBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304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

SECTIONAL VIEWS

No: 03HDG222010-00

MODEL: 80HDG22.2

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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		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	

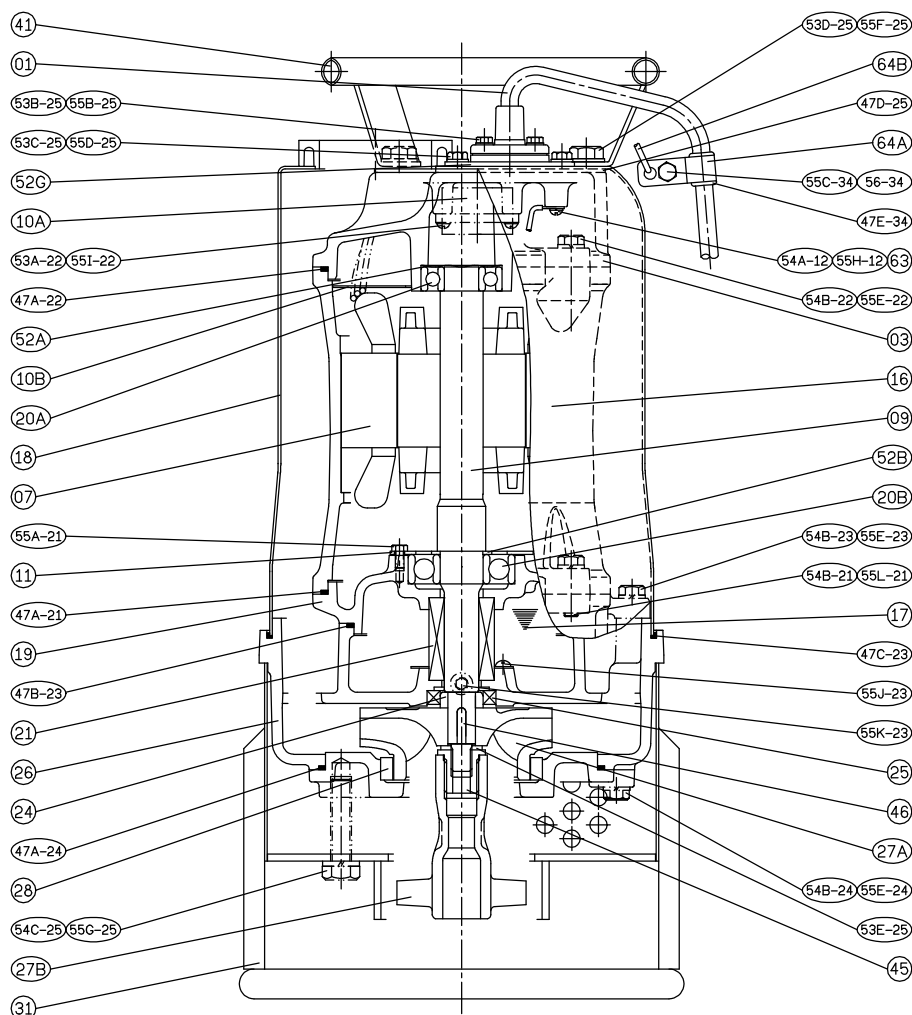
No.	Part name	Material	QTY	Remark
20A	Bearing		1	
20B	Bearing		1	
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+NBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304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

SECTIONAL VIEWS

No: 03HDG222030-00

MODEL: 80HDG21.5 & 80HDG22.2

3Ø



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		1	
10B	Auto-cut 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	

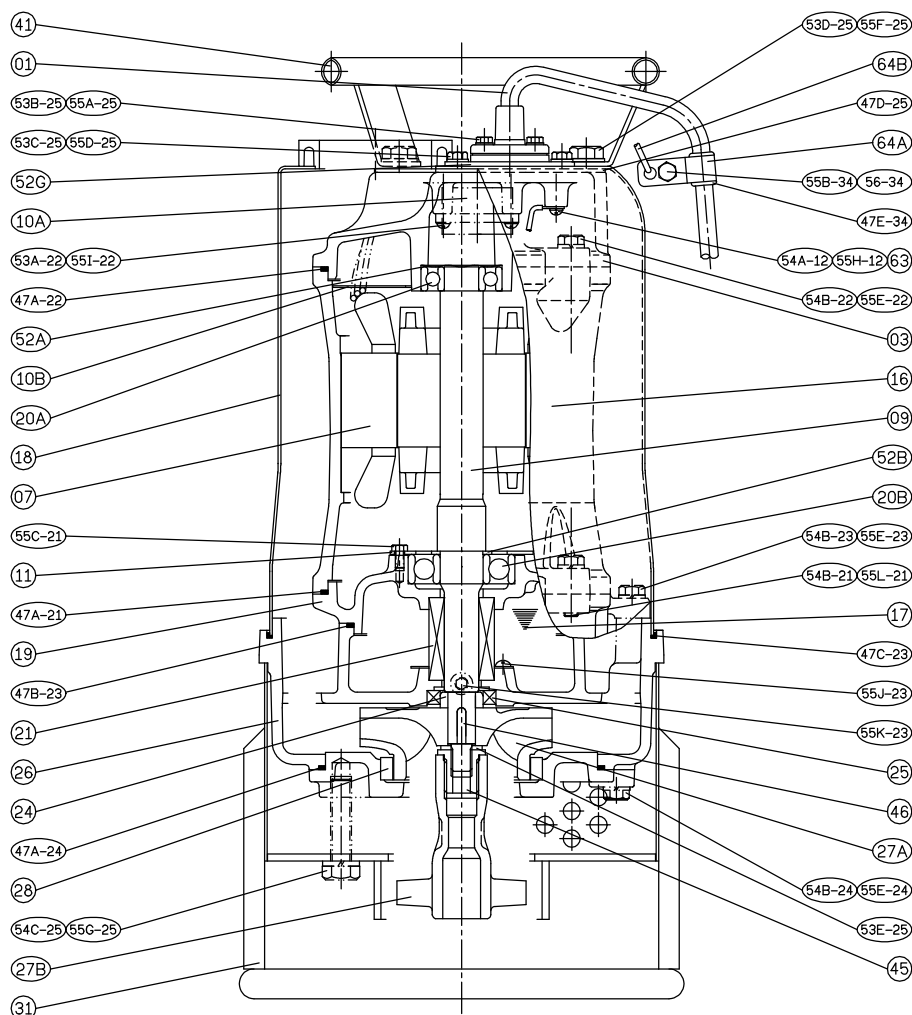
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+MBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47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

SECTIONAL VIEWS

No: 03HDG237030-00

MODEL: 80HDG23.7

3Ø



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		1	
10B	Auto-cut 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	

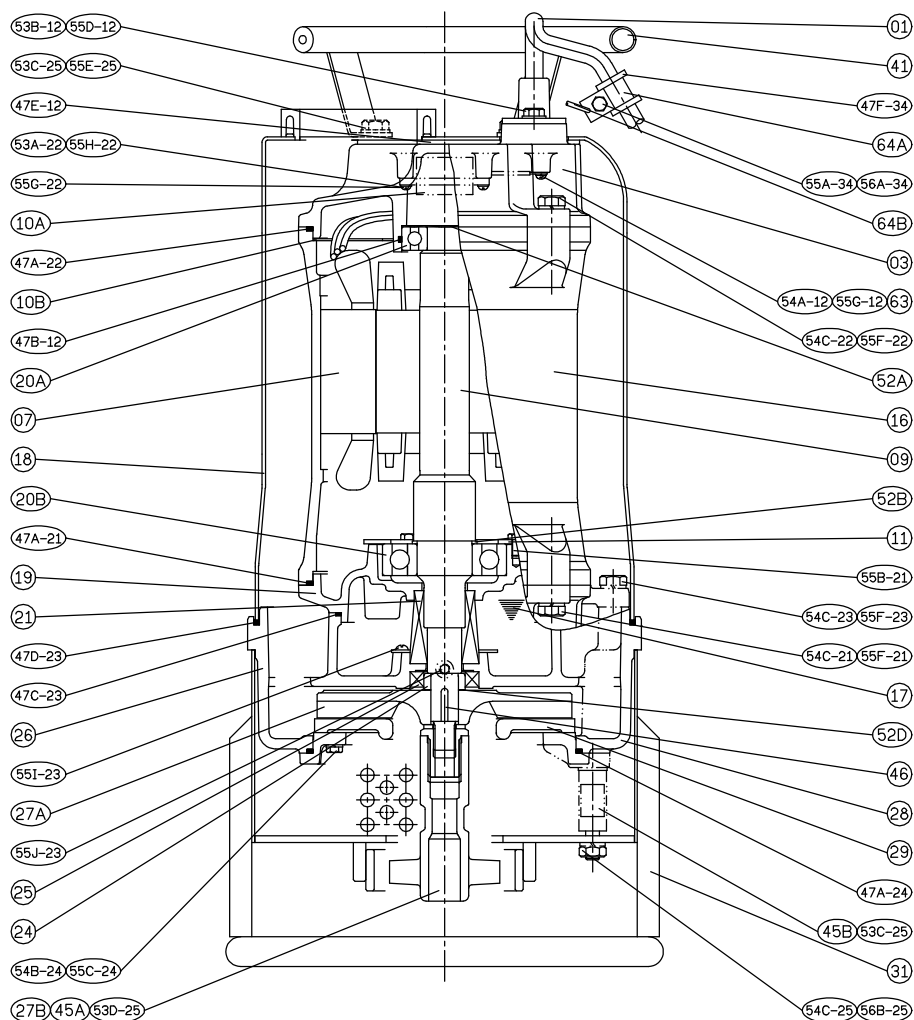
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+MBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47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

SECTIONAL VIEWS

No: 03HDG255030-00

MODEL: 80HDG25.5

3Ø



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		1	
10B	Auto-cut 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	

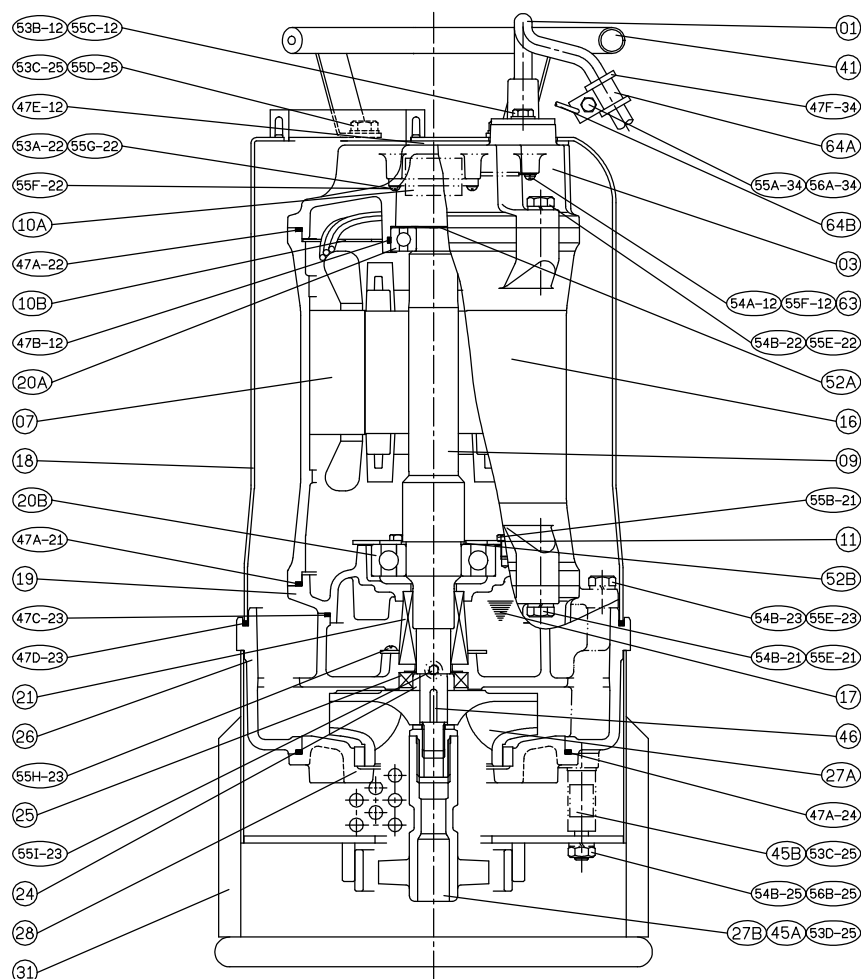
No.	Part name	Material	QTY	Remark
21	M.seal	CA / CE & SIC / SIC	1	
24	Oil seal bush	SUS403	1	
25	Oil seal	SUS304+MBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
29	Wear plate	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1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

SECTIONAL VIEWS

No: 06HDG275030-00

MODEL: 100HDG25.5/27.5 & 150HDG25.5/27.5

3Ø



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		1	
10B	Auto-cut 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+MBR	1	
26	Casing	FC200	1	
27A	Impeller	HiCrFC	1	
27B	Agitator	FCD700	1	
28	Casing cover	FC200	1	
	+Wear ring	HiCrFC	1	
31	Strainer	SUS304	1	
41	Handle	SUS304	1	
46	Impeller key	SUS304	1	
47	Gasket			



Professionalism • Innovation • Service • Commitment

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