HCP PUMP

Series	**SA**
Modelo	**80(100)SA211**
Frecuencia	**50**
Fase / Voltaje	**3 Ø / 380 V**
Corriente Nominal	**22.2 A**
Descarga	**100 mm (4")**



Datos del Motor

Potencia de Entrada - P1	12.8 kW
Potencia Nominal - P2	11 kW
Clase de Aislamiento	H
Cantidad Máxima de Arranques por Hora	5
Velocidad de Rotación Estándar	2900
Método de Arranque	STAR-DELTA / DOL
Índice de Protección IP	IP68
A Prueba de Explosiones	NO

Tecnología

Tipo de Impulsor	Open
Sello Mecánico	Double
Aceite Lubricante VG32	2000 CC
Paso Sólido	20 mm (13⁄16")
Tipo de Refrigeración	External cooling

Material

Bastidor del Motor	SUS316 (AISI 316)
Eje	SUS630 (X5CrNiCuNb17-4)
Carcasa	SCS14 (G-X6CrNiMo1810)
Impulsor	SCS14 (G-X6CrNiMo1810)
Sello Mecánico	CA/CE&SiC/SiC
Cable	VCT,H07RN-F
Rodamientos Superior e Inferior	6306ZZ,6309ZZ

Fluido

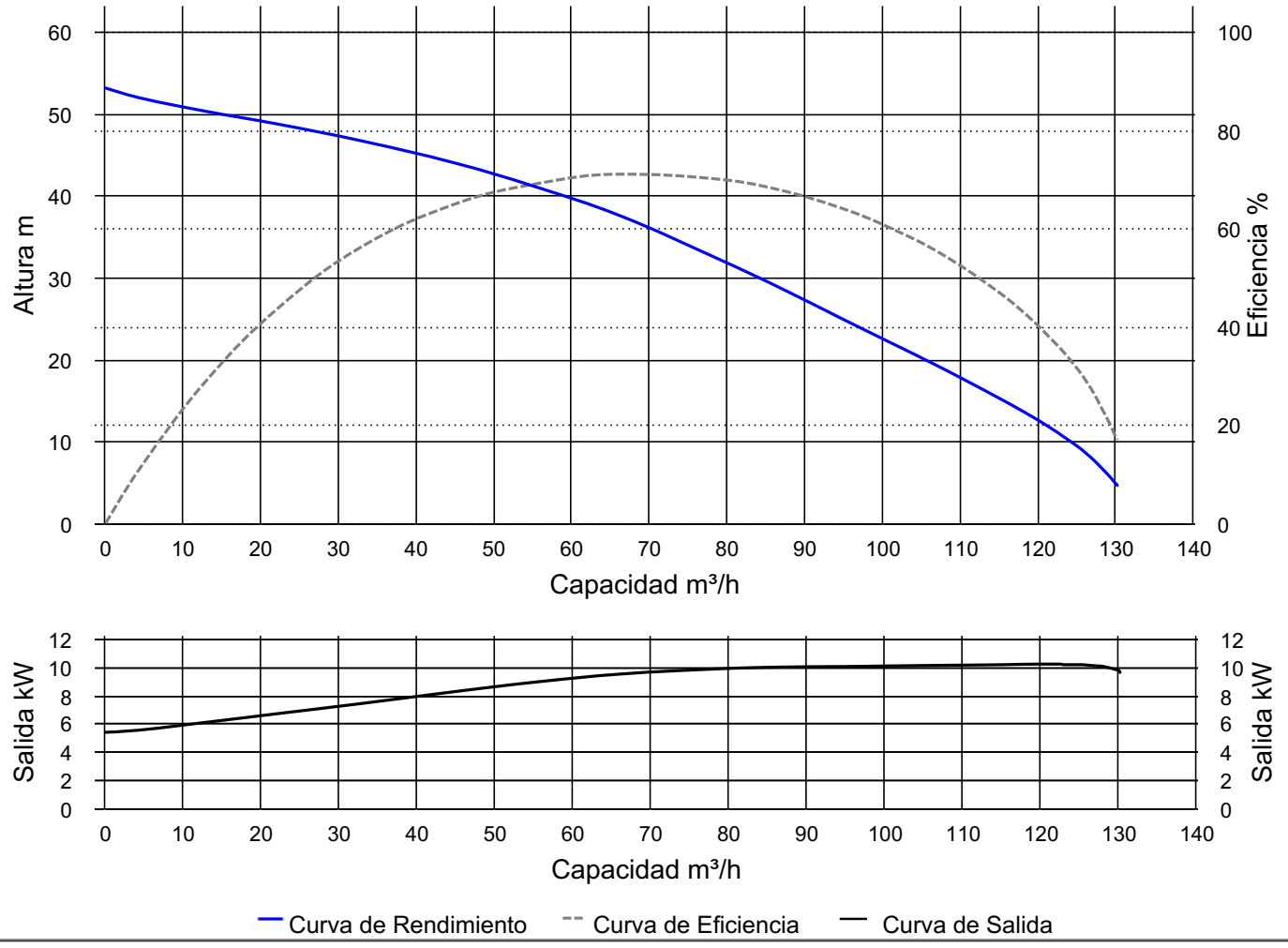
Temperatura Ambiente Máxima	0~40°C (32~104°F)
Profundidad Máxima de Instalación	20m (66ft)
Temperatura Máxima del Fluido	40 °C (104°F)
Fluido Bombeado	Acid and alkali sewage

Otros (Opcional)

Dispositivo de Protección	MTS
Sensor de Humedad	MS

HCP PUMP

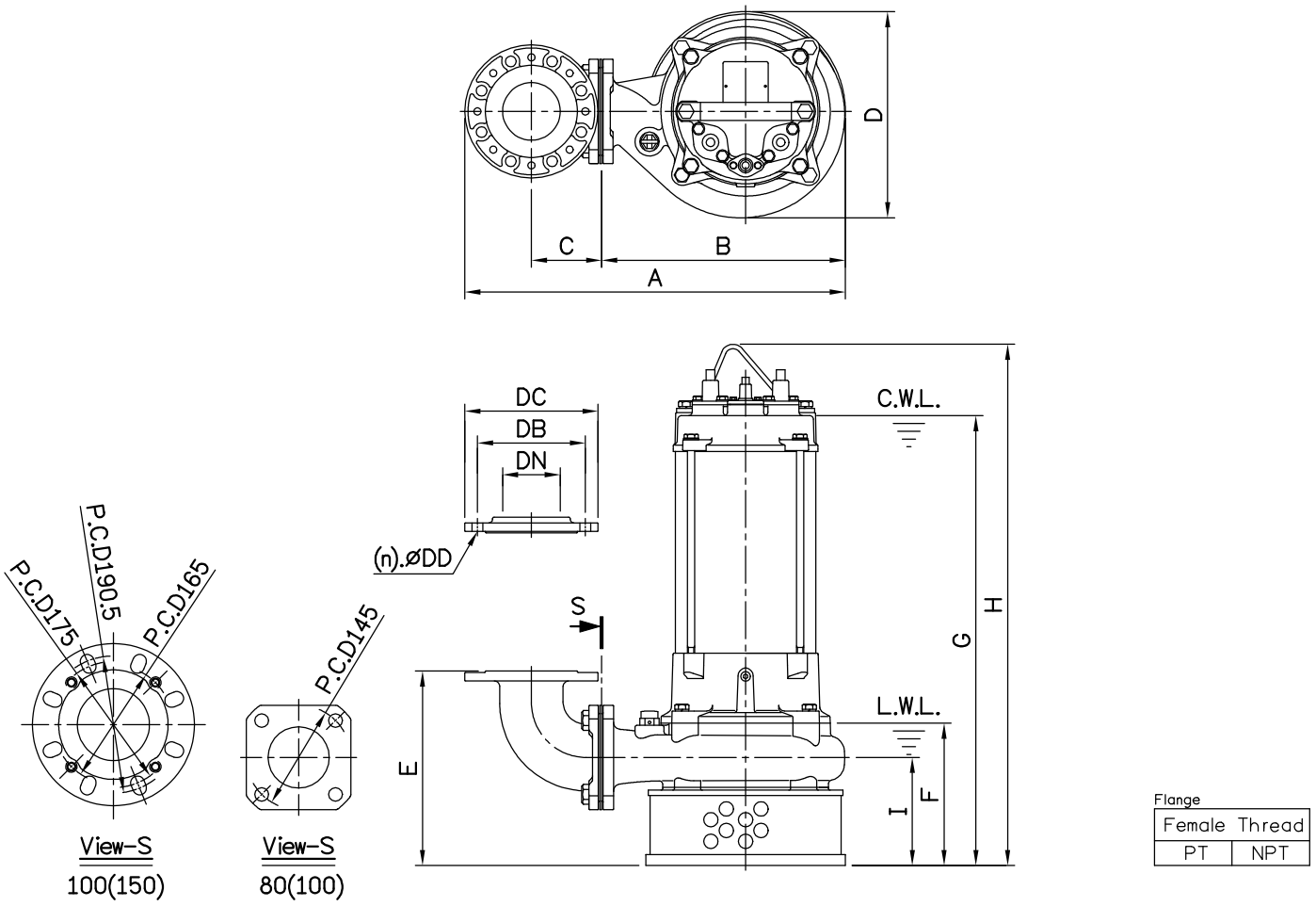
PUMP PERFORMANCE CURVES			
Modelo	80(100)SA211	**N.º de archivo**	20261024013639
Frecuencia	50 Hz	**N.º de versión**	202003060911
Descarga	4" / 100 mm	**REFERENCE SPECIFICATION**	
Potencia	15 HP / 11 kW	**Salida**	9.19 kW
Altura Estándar	39 m	**Eficiencia**	69.9 %
Capacidad Estándar	60 m³/h		
Fase / Voltaje	3 Ø / 380 V		
Corriente Nominal	22.2 A		
Polo / rpm	2 P / 2900 rpm		
Método de Arranque	STAR-DELTA / DOL		
Clase de Aislamiento	H		



HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS NO: S4SA02B2030-00

MODEL: 80(100)SA211 / 215 & 100(150)SA222 50Hz 3Ø



Flange	
Female Thread	
PT	NPT

Dimensions-mm Weight:kg

Model	A	B	C	D	E	F	G	H	I	WT1
80(100)SA211	528	338	98	288	271	198	625	724	151	82
80(100)SA211	556	338	113	288	276	198	625	724	151	82
80(100)SA215	528	338	98	288	271	198	665	764	151	95
80(100)SA215	556	338	113	288	276	198	665	764	151	95
100(150)SA222	625	400	113	325	329	253	735	880	193	126
100(150)SA222	682	400	143	325	359	253	735	880	193	126

DN	JIS 10K					DIN PN10					WT2
	Elbow (Flange)Set	DB	DC	DD	(n) QTY	Elbow (Flange)Set	DB	DC	DD	(n) QTY	
80	ESB3-150K	150	185	15	8	ESB3-160K	160	185	19	8	7
100	ESB4-175(145)K	175	210	15	8	ESB4-180(145)K	180	210	19	8	10
80	ESB3-150K	150	185	15	8	ESB3-160K	160	185	19	8	7
100	ESB4-175(145)K	175	210	15	8	ESB4-180(145)K	180	210	19	8	10
100	ESB4-175K	175	210	15	8	ESB4-180K	180	210	19	8	12
150	ESB6-240(165)K	240	280	23	8	ESB6-240(165)K	240	280	23	8	13

Dimensions-inch Weight:lb

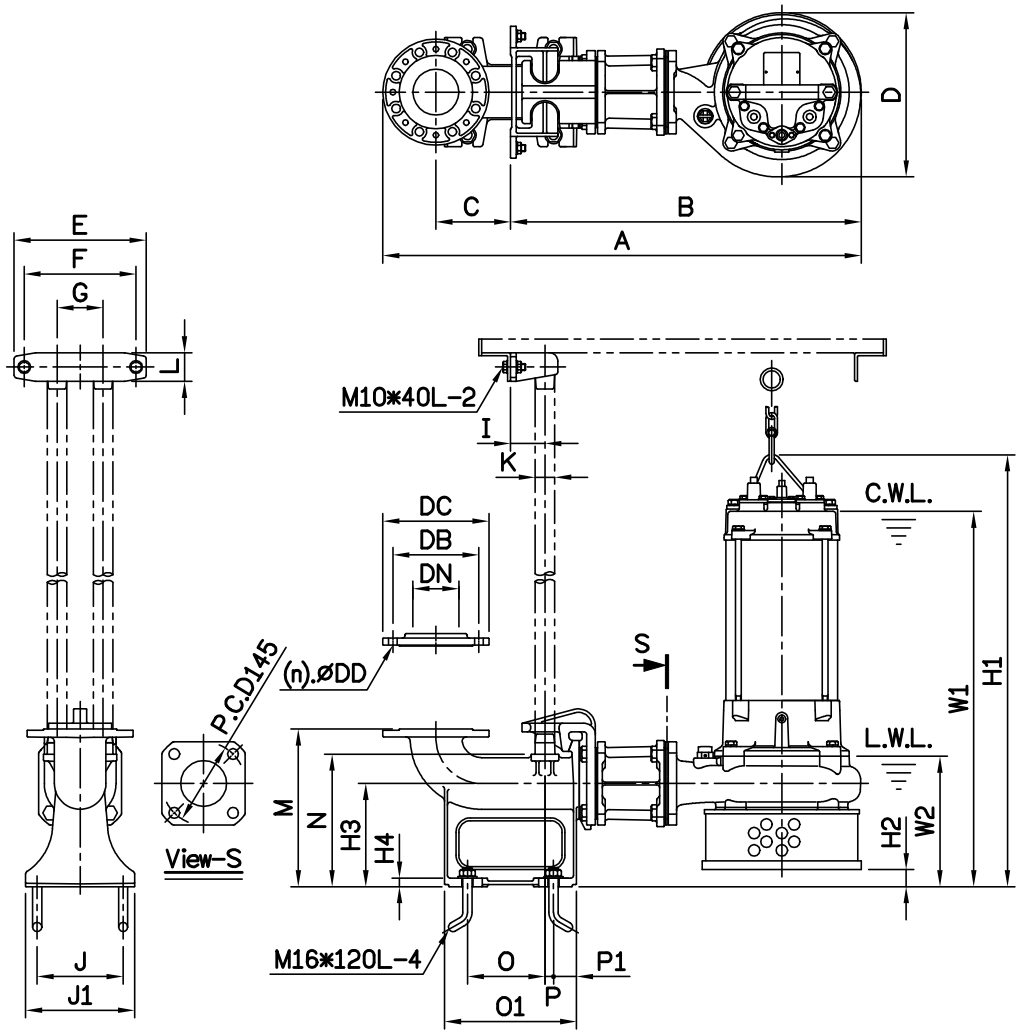
Model	A	B	C	D	E	F	G	H	I	WT1
80(100)SA211	20 13/16	13 5/16	3 7/8	11 1/4	10 11/16	7 13/16	24 5/8	28 1/2	5 15/16	181
80(100)SA211	22 7/8	13 5/16	4 7/16	11 1/4	10 7/8	7 13/16	24 5/8	28 1/2	5 15/16	181
80(100)SA215	20 13/16	13 5/16	3 7/8	11 1/4	10 11/16	7 13/16	26 3/16	30 1/16	5 15/16	209
80(100)SA215	22 7/8	13 5/16	4 7/16	11 1/4	10 7/8	7 13/16	26 3/16	30 1/16	5 15/16	209
100(150)SA222	24 5/8	14 3/4	4 7/16	12 13/16	12 15/16	9 15/16	28 15/16	34 5/8	7 13/16	278
100(150)SA222	26 7/8	14 3/4	5 5/8	12 13/16	14 1/8	9 15/16	28 15/16	34 5/8	7 13/16	278

DN	JIS 10K					DIN PN10					WT2
	Elbow (Flange)Set	DB	DC	DD	(n) QTY	Elbow (Flange)Set	DB	DC	DD	(n) QTY	
3	ESB3-150K	5 7/8	7 5/16	9/16	8	ESB3-160K	6 5/16	7 5/16	3/4	8	15
4	ESB4-175(145)K	6 7/8	8 1/4	9/16	8	ESB4-180(145)K	7 1/16	8 1/4	3/4	8	22
3	ESB3-150K	5 7/8	7 5/16	9/16	8	ESB3-160K	6 5/16	7 5/16	3/4	8	15
4	ESB4-175(145)K	6 7/8	8 1/4	9/16	8	ESB4-180(145)K	7 1/16	8 1/4	3/4	8	22
4	ESB4-175K	6 7/8	8 1/4	9/16	8	ESB4-180K	7 1/16	8 1/4	3/4	8	26
6	ESB6-240(165)K	9 7/16	11	7/8	8	ESB6-240(165)K	9 7/16	11	7/8	8	29

C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level
WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight
Note:The 6" discharge pump is not equipped with a flange.

DIMENSIONS NO: T3SA02A5030-01

MODEL: 80(100)SA211 / 215 50Hz 3Ø



Flange

Female Thread	
PT	NPT

Dimensions-mm

DN	Elbow (Flange) Set	JIS 10K			
		DB	DC	DD	(n)QTY
80	ESF3-150	150	185	15	8
100	ESF4-175	175	210	15	8
DN	Elbow (Flange) Set	DIN PN10			
		DB	DC	DD	(n)QTY
80	ESF3-160	160	185	19	8
100	ESF4-180	180	210	19	8

Dimensions-inch

DN	Elbow (Flange) Set	JIS 10K			
		DB	DC	DD	(n)QTY
3	ESF3-150	5 7/8	7 5/16	9/16	8
4	ESF4-175	6 7/8	8 1/4	9/16	8
DN	Elbow (Flange) Set	DIN PN10			
		DB	DC	DD	(n)QTY
3	ESF3-160	6 5/16	7 5/16	3/4	8
4	ESF4-180	7 1/16	8 1/4	3/4	8

Dimensions-mm Weight:kg

Model	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
80(100)SA211	834	611	130	286	230	195	80	60	150	190	1¼"	50	275	231	135	230	15	40	655	228	754	30	180	15	82	ST80DH	26
80(100)SA211	866	611	150	286	230	195	80	60	170	210	1¼"	50	285	231	155	250	15	40	655	228	754	30	180	15	82	ST100(80)BH	29
80(100)SA215	834	611	130	345	230	195	80	60	150	190	1¼"	50	275	231	135	230	15	40	695	228	794	30	180	15	95	ST80DH	26
80(100)SA215	866	611	150	345	230	195	80	60	170	210	1¼"	50	285	231	155	250	15	40	695	228	794	30	180	15	95	ST100(80)BH	29

Dimensions-inch Weight:lb

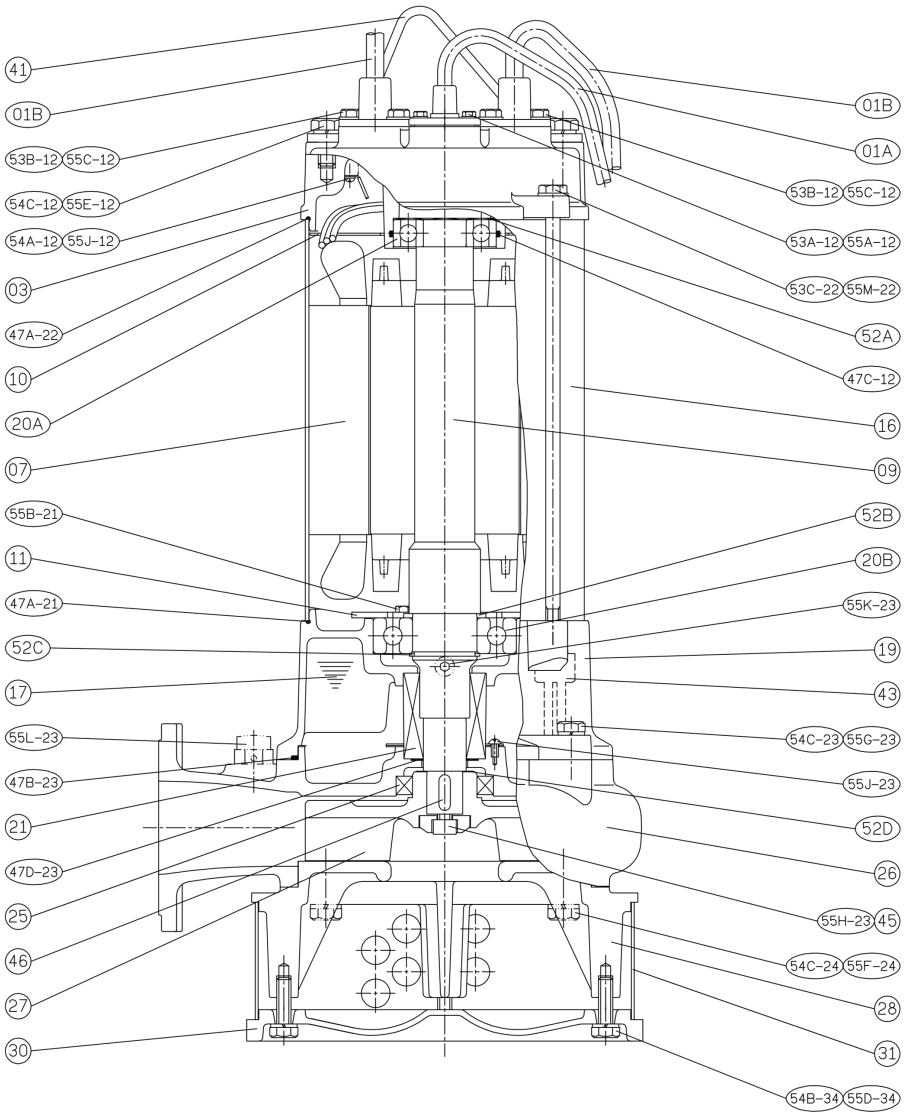
Model	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
80(100)SA211	32 13/16	24 1/16	5 1/8	11 1/4	9 1/16	7 11/16	3 1/8	2 3/8	5 7/8	7 1/2	1 1/4	2	10 13/16	9 1/8	5 5/16	9 1/16	9/16	1 9/16	25 13/16	9	29 11/16	1 3/16	7 1/16	9/16	181	ST80DH	57
80(100)SA211	34 1/8	24 1/16	5 7/8	11 1/4	9 1/16	7 11/16	3 1/8	2 3/8	6 11/16	7 1/2	1 1/4	2	11 1/4	9 1/8	6 1/8	9 13/16	9/16	1 9/16	25 13/16	9	29 11/16	1 3/16	7 1/16	9/16	181	ST100(80)BH	64
80(100)SA215	32 13/16	24 1/16	5 1/8	11 1/4	9 1/16	7 11/16	3 1/8	2 3/8	5 7/8	7 1/2	1 1/4	2	10 13/16	9 1/8	5 5/16	9 1/16	9/16	1 9/16	27 3/8	9	31 1/4	1 3/16	7 1/16	9/16	209	ST80DH	57
80(100)SA215	34 1/8	24 1/16	5 7/8	11 1/4	9 1/16	7 11/16	3 1/8	2 3/8	6 11/16	7 1/2	1 1/4	2	11 1/4	9 1/8	6 1/8	9 13/16	9/16	1 9/16	27 3/8	9	31 1/4	1 3/16	7 1/16	9/16	209	ST100(80)BH	64

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

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

SECTIONAL VIEWS NO: 03SA02A1030-1

MODEL: 80(100)SA211 / 215 3Ø



Número	Nombre de la pieza	Material	Cantidad
01A	Cable		1
01B	Cable		2
03	Cubierta Superior	SCS14	1
07	Estator (With MTS)		1
09	Extremo del Eje	SUS630	1
10	Placa Protectora		1
11	Fijador de Rodamiento	SPCC	1
16	Bastidor del Motor	SUS316	1
17	Lubricante		
19	Soporte del Rodamiento	SCS14	1
20A	Rodamiento		1
20B	Rodamiento		1
21	Sello Mecánico	CA/CE & SiC/SiC	1
25	Sello de Aceite	VITON	1

Número	Nombre de la pieza	Material	Cantidad
26	Carcasa	SCS14	1
27	Impulsor	SCS14	1
28	Cubierta Carcasa	SCS14	1
30	Base	SCS14	1
31	Colador	SUS316	1
41	Asa	SUS304	1
43	Sensor de Humedad		1
46	Llave del Impulsor	SUS304	1
47	Kit de Empaques		