HCP PUMP

Series	**F/FN**
Modelo	**FN-33U**
Frecuencia	**50**
Fase / Voltaje	**1 Ø / 220 V**
Corriente Nominal	**15 A**
Descarga	**80 mm (3")**



Datos del Motor

Potencia de Entrada - P1	3 kW
Potencia Nominal - P2	2.2 kW
Clase de Aislamiento	F
Cantidad Máxima de Arranques por Hora	10
Velocidad de Rotación Estándar	2840
Método de Arranque	CAPACITOR
Índice de Protección IP	IP68
A Prueba de Explosiones	NO

Tecnología

Tipo de Impulsor	Vortex
Sello Mecánico	Double
Aceite Lubricante VG32	800 CC
Paso Sólido	50 mm (2")
Tipo de Refrigeración	External cooling

Material

Bastidor del Motor	SUS304 (X5CrNi18-10)
Eje	SUS403 ((X5Cr13)
Carcasa	FC200 (GG-20)
Impulsor	FC200 (GG-20)
Sello Mecánico	CA/CE&SiC/SiC
Cable	VCT,H07RN-F
Rodamientos Superior e Inferior	6204ZZ,6305ZZ

Fluido

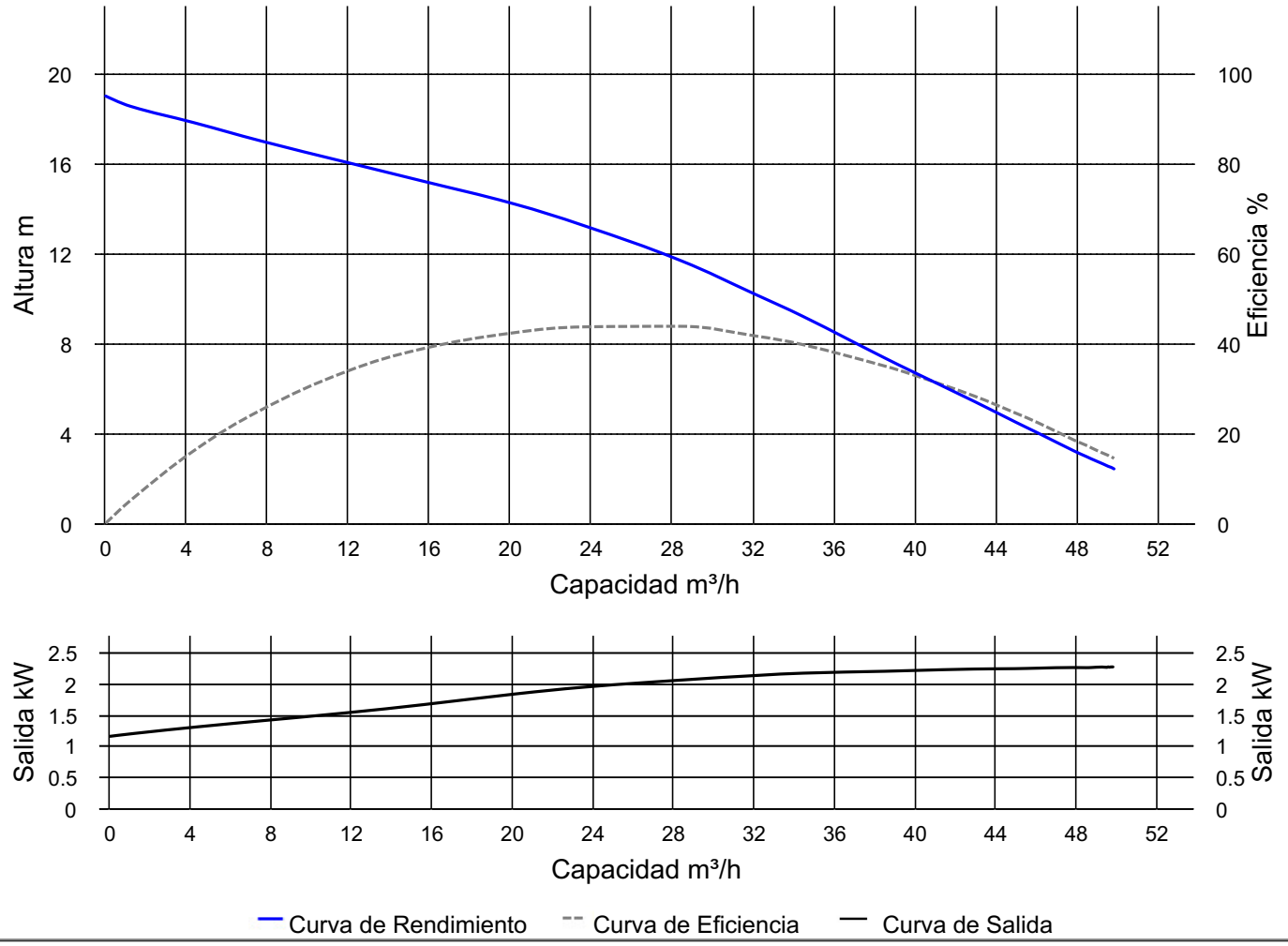
Temperatura Ambiente Máxima	0~40°C (32~104°F)
Profundidad Máxima de Instalación	20m (66ft)
Temperatura Máxima del Fluido	40 °C (104°F)
Fluido Bombeado	Sewage

Otros (Opcional)

Dispositivo de Protección	Auto-cut Protector
Sensor de Humedad	(MS-A)

HCP PUMP

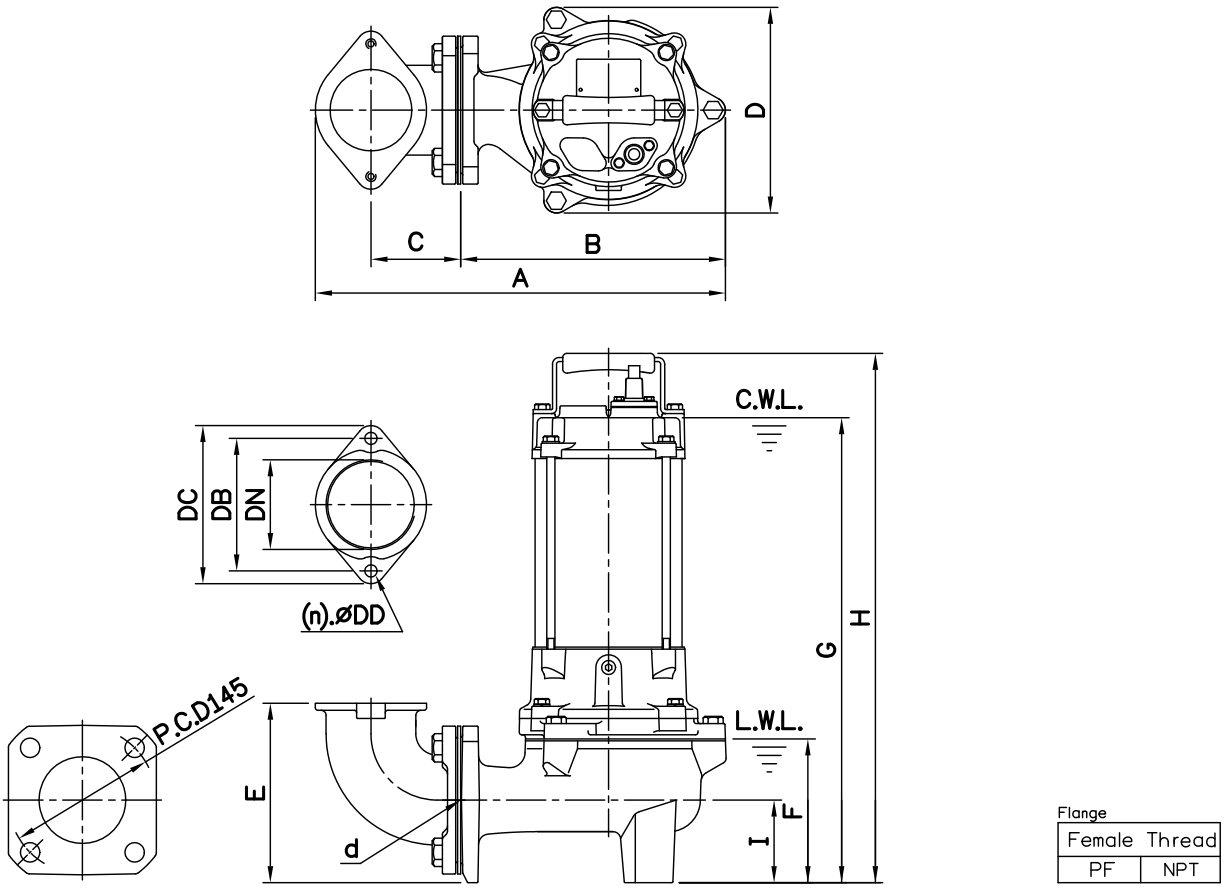
PUMP PERFORMANCE CURVES			
Modelo	FN-33U	**N.º de archivo**	20261022024431
Frecuencia	50 Hz	**N.º de versión**	202003060911
Descarga	3" / 80 mm	**REFERENCE SPECIFICATION**	
Potencia	3 HP / 2.2 kW	**Salida**	1.96 kW
Altura Estándar	12.5 m	**Eficiencia**	43.7 %
Capacidad Estándar	24 m³/h		
Fase / Voltaje	1 Ø / 220 V		
Corriente Nominal	15 A		
Polo / rpm	2 P / 2840 rpm		
Método de Arranque	CAPACITOR		
Clase de Aislamiento	F		



HCP PUMP MANUFACTURER CO., LTD.

DIMENSIONS NO: S3FNU222032-00

MODEL: FN-32U / 33U / 32UL / 33UL 1Ø / 3Ø



Flange

Female Thread	
PF	NPT

Dimensions-mm Weight:kg

Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
FN-32U 1Ø	80	402	260	88	202	176	140	525	588	81	32	EB3-130	80	130	155	12	2	5
FN-33U 1Ø	80	402	260	88	202	176	140	537	600	81	35	EB3-130	80	130	155	12	2	5
FN-32UL 1Ø	80	407	265	88	221	215	193	577	640	120	35	EB3-130	80	130	155	12	2	5
FN-33UL 1Ø	80	407	265	88	221	215	193	589	652	120	37	EB3-130	80	130	155	12	2	5
FN-32U 3Ø	80	402	260	88	202	176	141	456	519	81	28	EB3-130	80	130	155	12	2	5
FN-33U 3Ø	80	402	260	88	202	176	141	456	519	81	30	EB3-130	80	130	155	12	2	5
FN-32UL 3Ø	80	407	265	88	221	215	193	508	571	120	34	EB3-130	80	130	155	12	2	5
FN-33UL 3Ø	80	407	265	88	221	215	193	508	571	120	36	EB3-130	80	130	155	12	2	5

Dimensions-inch Weight:lb

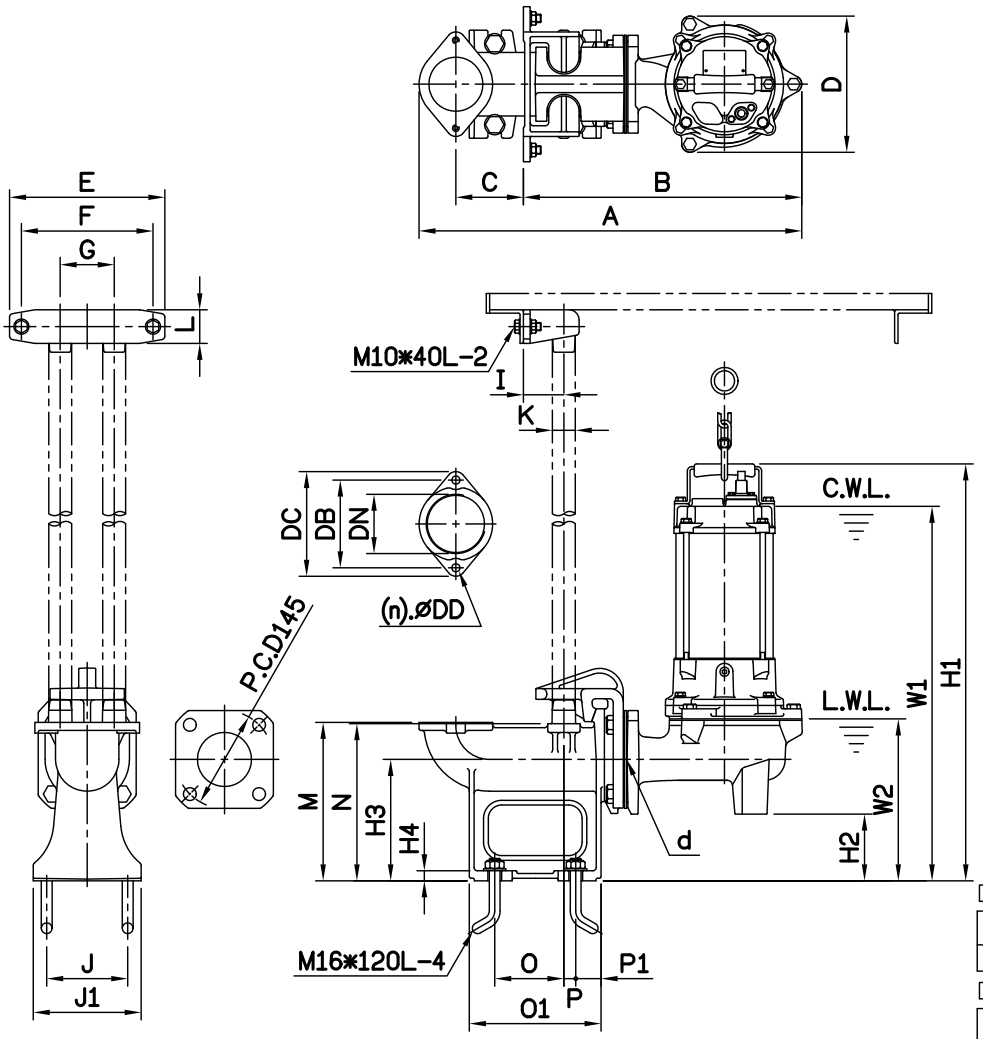
Model	d	A	B	C	D	E	F	G	H	I	WT1	Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY	WT2
FN-32U 1Ø	3	15 13/16	10 1/4	3 7/16	7 15/16	6 15/16	5 1/2	22 11/16	23 3/8	3 3/16	71	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-33U 1Ø	3	15 13/16	10 1/4	3 7/16	7 15/16	6 15/16	5 1/2	21 1/8	23 5/8	3 3/16	77	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-32UL 1Ø	3	16	10 7/16	3 7/16	8 11/16	8 7/16	7 5/8	22 11/16	25 3/16	4 3/4	77	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-33UL 1Ø	3	16	10 7/16	3 7/16	8 11/16	8 7/16	7 5/8	23 3/16	25 11/16	4 3/4	82	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-32U 3Ø	3	15 13/16	10 1/4	3 7/16	7 15/16	6 15/16	5 9/16	17 15/16	20 7/16	3 3/16	62	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-33U 3Ø	3	15 13/16	10 1/4	3 7/16	7 15/16	6 15/16	5 9/16	17 15/16	20 7/16	3 3/16	66	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-32UL 3Ø	3	16	10 7/16	3 7/16	8 11/16	8 7/16	7 5/8	20	22 1/2	4 3/4	75	EB3-130	3	5 1/8	6 1/8	1/2	2	11
FN-33UL 3Ø	3	16	10 7/16	3 7/16	8 11/16	8 7/16	7 5/8	20	22 1/2	4 3/4	79	EB3-130	3	5 1/8	6 1/8	1/2	2	11

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

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

DIMENSIONS NO: T3FNU222032-00

MODEL: FN-32U / 33U / 32UL / 33UL 1Ø / 3Ø



Flange

Female Thread	
PF	NPT

Dimensions-mm

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF3-130	80	130	155	12	2

Dimensions-inch

Elbow (Flange)Set	DN	DB	DC	DD	(n)QTY
EF3-130	3	5 1/8	6 1/8	1/2	2

Dimensions-mm Weight:kg

Model	d	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
FN-32U 1ø	80	568	413	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	624	240	685	99	180	15	32	T2-80	20
FN-33U 1ø	80	568	413	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	636	240	697	99	180	15	35	T2-80	20
FN-32UL 1ø	80	574	420	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	637	253	700	60	180	15	38	T2-80	20
FN-33UL 1ø	80	574	420	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	637	253	700	60	180	15	40	T2-80	20
FN-32U 3ø	80	568	413	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	555	240	618	99	180	15	28	T2-80	20
FN-33U 3ø	80	568	413	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	555	240	618	99	180	15	30	T2-80	20
FN-32UL 3ø	80	574	420	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	568	253	631	60	180	15	34	T2-80	20
FN-33UL 3ø	80	574	420	100	202	230	195	80	60	120	160	1¼"	50	235	233	103	195	18	38	568	253	631	60	180	15	36	T2-80	20

Dimensions-inch Weight:lb

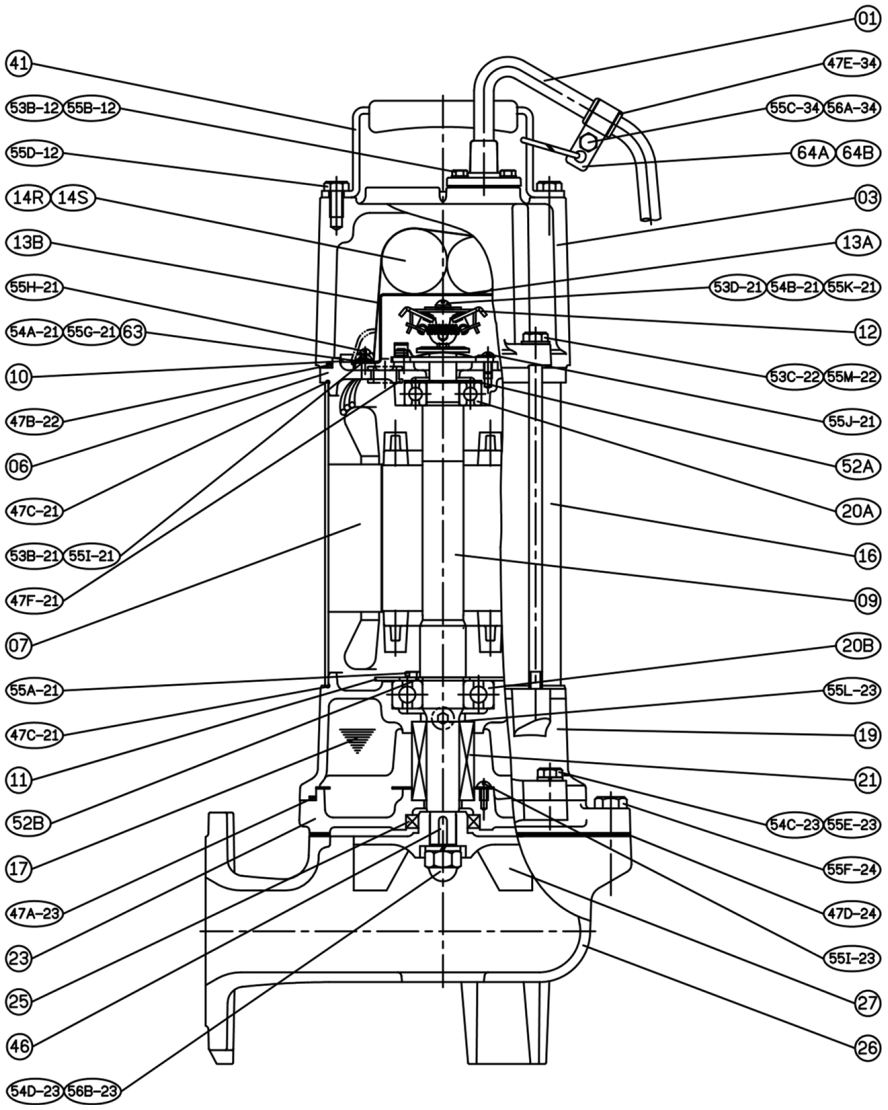
Model	d	A	B	C	D	E	F	G	I	J	J1	K	L	M	N	O	O1	P	P1	W1	W2	H1	H2	H3	H4	WT1	GRS Set	WT2
FN-32U 1ø	3	22 3/8	16 1/4	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	24 9/16	9 7/16	27	3 7/8	7 1/16	9/16	71	T2-80	43
FN-33U 1ø	3	22 3/8	16 1/4	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	25 1/16	9 7/16	27 1/16	3 7/8	7 1/16	9/16	77	T2-80	43
FN-32UL 1ø	3	22 5/8	16 9/16	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	25 1/16	9 15/16	27 9/16	2 3/8	7 1/16	9/16	84	T2-80	43
FN-33UL 1ø	3	22 5/8	16 9/16	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	25 1/16	9 15/16	27 9/16	2 3/8	7 1/16	9/16	88	T2-80	43
FN-32U 3ø	3	22 3/8	16 1/4	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	21 7/8	9 7/16	24 5/16	3 7/8	7 1/16	9/16	62	T2-80	43
FN-33U 3ø	3	22 3/8	16 1/4	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	21 7/8	9 7/16	24 5/16	3 7/8	7 1/16	9/16	66	T2-80	43
FN-32UL 3ø	3	22 5/8	16 9/16	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	22 3/8	9 15/16	24 13/16	2 3/8	7 1/16	9/16	75	T2-80	43
FN-33UL 3ø	3	22 5/8	16 9/16	3 15/16	7 15/16	9 1/16	7 11/16	3 1/8	2 3/8	4 3/4	6 5/16	1 1/4	2	9 1/4	9 3/16	4 1/16	7 11/16	11/16	1 1/2	22 3/8	9 15/16	24 13/16	2 3/8	7 1/16	9/16	79	T2-80	43

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: 03FNU222010-0

MODEL: FN-32U / 33U / 32UL / 33UL 1Ø



Número	Nombre de la pieza	Material	Cantidad
01	Cable		1
03	Cubierta Superior	FC200	1
06	Soporte	FC200	1
07	Estator		1
09	Extremo del Eje	SUS403	1
10	Protector Auto-corte		1
11	Fijador de Rodamiento	SPCC	1
12	Interruptor Centrífugo		1
14R	Capacitor de Marcha		1
14S	Capacitor de Arranque		1
16	Bastidor del Motor	SUS304	1
17	Lubricante		
19	Soporte del Rodamiento	FC200	1
20A	Rodamiento		1

Número	Nombre de la pieza	Material	Cantidad
20B	Rodamiento		1
21	Sello Mecánico	CA/CE & SiC/SiC	1
23	Soporte Sello Mecánico	FC200	1
25	Sello de Aceite	NBR	1
26	Carcasa	FC200	1
27	Impulsor	FC200	1
41	Asa	SUS304	1
46	Llave del Impulsor	SUS304	1
47	Kit de Empaques		