

# ULTRA SLG/SLXG

Multistage Vertical

Stainless steel multistage vertical pumps. For non-loaded clean fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, food industry, heating and air conditioning, washing system.



ULTRA 3-5-7-9 SLG



ULTRA 3-5-7 SLXG



ULTRA 9 SLXG



## Construction features

<b>Pump body</b>	cast iron (SLG); stainless steel AISI 304 (SLXG)
<b>Motor bracket</b>	cast iron
<b>Impellers, diffusers, shell, motor shaft</b>	stainless steel AISI 304
<b>Mechanical seal</b>	graphite-tungsten carbide-EPDM
<b>Intermediate shaft guiding stage bush</b>	ceramic-tungsten carbide
<b>Ambient temperature</b>	max 40 °C
<b>Liquid temperature</b>	-15 ÷ +110 °C
<b>Max operating pressure</b>	25 bar
<b>Pump body gasket</b>	EPDM

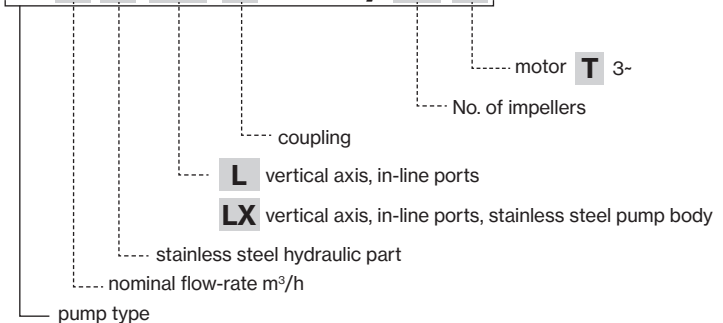
## Motor

<b>2 poles induction motor</b>	3- 230/400V - 50Hz P ≤ 4kW 3- 400/690V - 50Hz P > 4kW
<b>Insulation class</b>	F
<b>Protection degree</b>	IPX5

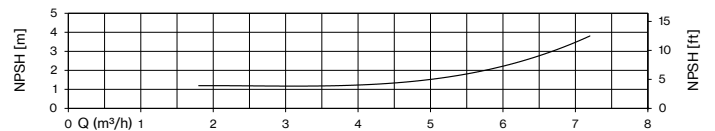
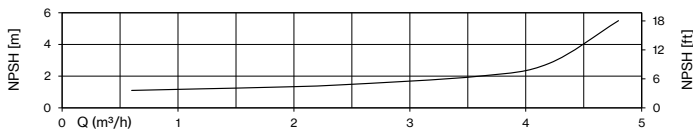
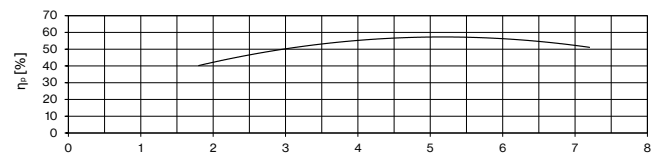
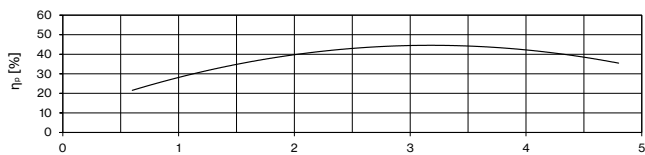
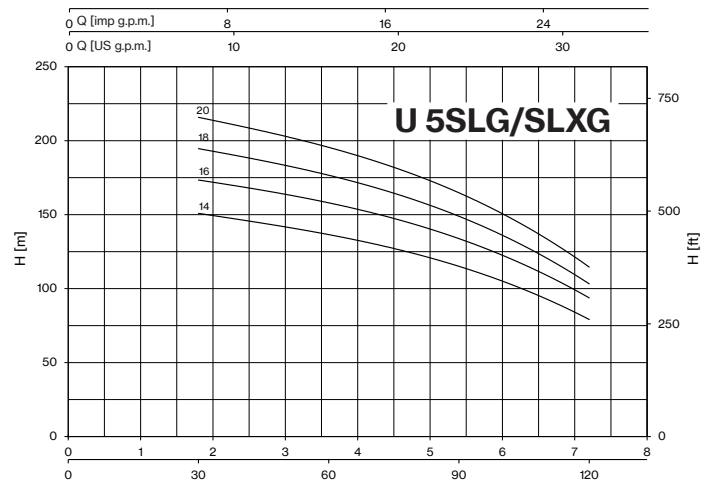
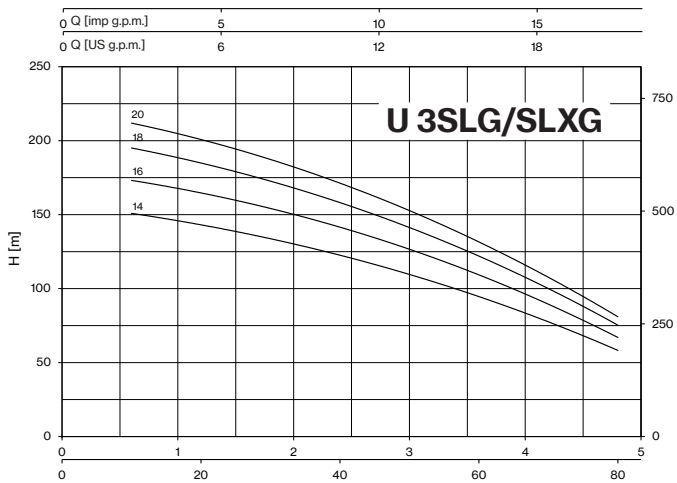


MODEL	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
U 3SLG/SLXG-350/14T-380/16T	100×120×150	12	100×120×150	12
U 3SLG/SLXG-400/18T-450/20T	100×135×150	12	100×135×150	12
U 5SLG/SLXG-400/14T-450/16T	100×120×150	12	100×120×150	12
U 5SLG/SLXG-550/18T-600/20T	100×135×150	12	100×135×150	12
U 7SLG/SLXG-750/12T-800/14T	100×120×150	12	100×120×150	12
U 7SLG/SLXG-900/16T-1000/20T	100×135×150	12	100×135×150	12
U 9SLG/SLXG-750/12T-800/14T	100×120×150	12	100×120×150	12
U 9SLG/SLXG-900/16T-1000/20T	100×135×150	12	100×135×150	12

**U 3 S L X G - 350 / 14 T**



# ULTRA SLG/SLXG

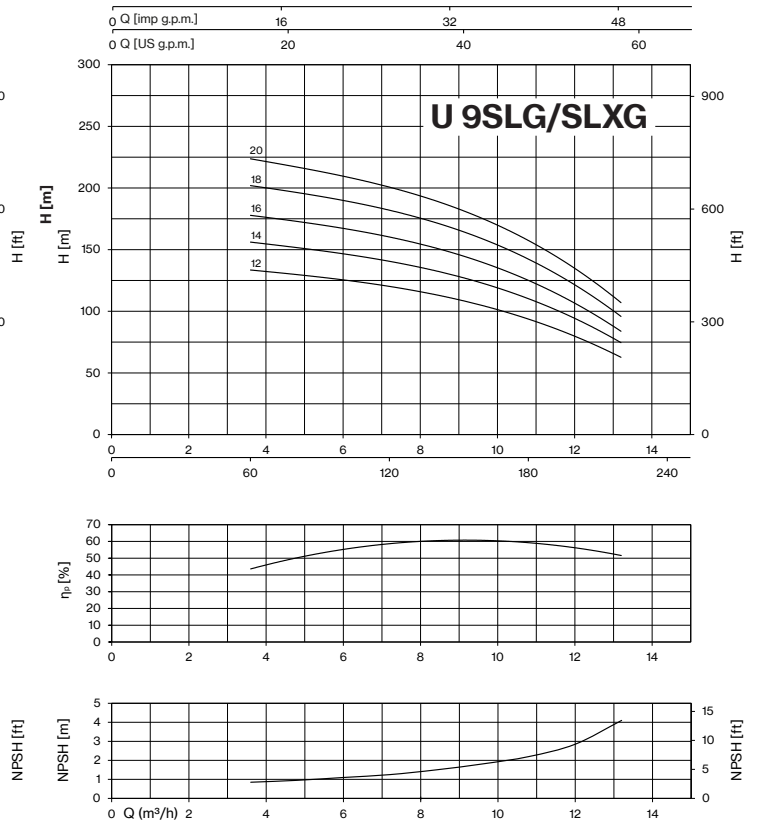
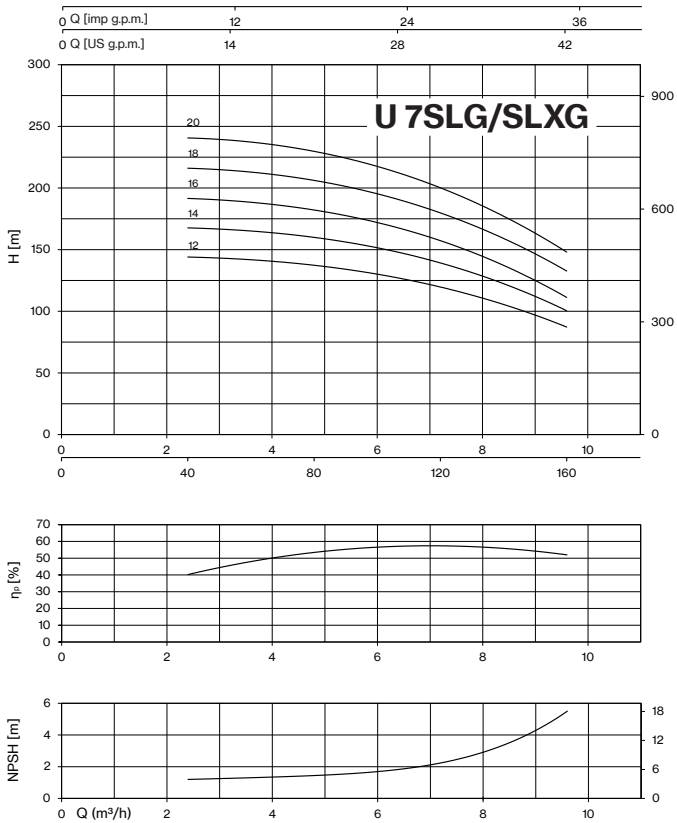


TYPE - 50 Hz	P2		P1	CURRENT 3- 400V	Q (m³/h - l/min)						
					0	0,6	1,2	1,8	2,4	3,6	4,8
					0	10	20	30	40	60	80
3~	HP	kW	kW	A	H (m)						
U 3...-350/14T	3	2,2	2,5	4,7	154,8	150,9	143,2	133,7	122,5	94,7	58,2
U 3...-380/16T	4	3	2,9	5,5	177,5	173,2	164,6	154,5	141,3	109,4	67,0
U 3...-400/18T	4	3	3,2	6,0	200,3	195,1	184,9	172,8	158,0	122,1	75,3
U 3...-450/20T	4	3	3,6	6,5	218,3	211,9	200,6	187,4	171,4	131,5	81,0

TYPE - 50 Hz	P2		P1	CURRENT 3- 400V	Q (m³/h - l/min)						
					0	1,8	2,4	3,6	4,8	6	7,2
					0	30	40	60	80	100	120
3~	HP	kW	kW	A	H (m)						
U 5...-400/14T	4	3	3,5	6,3	159,2	150,7	146,7	136,6	122,9	105,5	79,0
U 5...-450/16T	5,5	4	4,1	7,9	182,0	173,2	169,1	158,0	142,9	122,9	93,6
U 5...-550/18T	5,5	4	4,5	8,3	204,4	194,4	189,5	176,5	159,6	136,3	103,2
U 5...-600/20T	5,5	4	5,0	8,9	226,7	215,5	210,0	195,5	176,3	151,1	114,5



# ULTRA SLG/SLXG

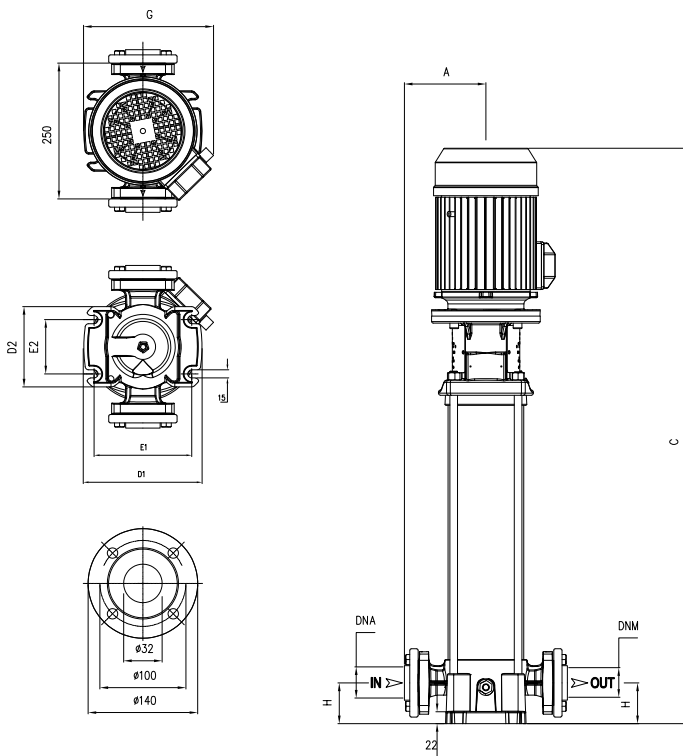


TYPE - 50 Hz	P2		P1	CURRENT 3- 400V	Q (m³/h - l/min)						
					0	2,4	3,6	4,8	6	7,2	9,6
					0	40	60	80	100	120	160
3-	HP	kW	kW	A	H (m)						
U 7...-750/12T	7,5	5,5	5,1	9,9	143,7	143,7	142,6	137,0	129,6	119,8	87,0
U 7...-800/14T	7,5	5,5	5,9	10,9	167,6	167,3	165,9	159,6	151,0	139,5	100,3
U 7...-900/16T	7,5	5,5	6,7	12,0	191,5	191,2	189,3	181,7	171,5	157,7	111,1
U 7...-950/18T	10	7,5	7,4	12,4	215,5	215,7	213,9	205,8	194,7	179,8	132,3
U 7...-1000/20T	10	7,5	8,2	13,5	240,3	240,2	238,4	229,3	216,8	200,3	147,7

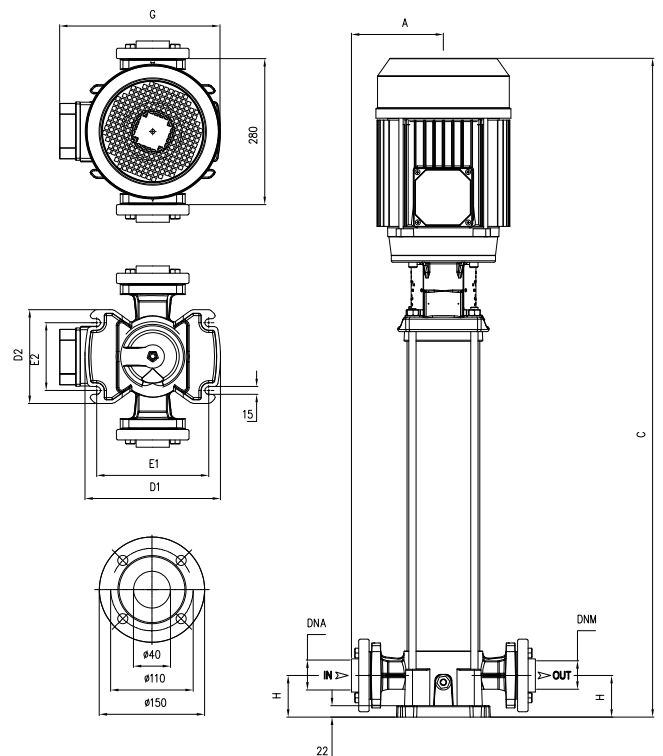
TYPE - 50 Hz	P2		P1	CURRENT 3- 400V	Q (m³/h - l/min)							
					0	3,6	4,8	6	7,2	9,6	12	13,2
					0	60	80	100	120	160	200	220
3-	HP	kW	kW	A	H (m)							
U 9...-750/12T	7,5	5,5	5,3	10,1	141,3	133,2	130,4	125,4	119,7	105,1	79,6	62,7
U 9...-800/14T	7,5	5,5	6,1	11,1	165,5	155,7	152,6	146,5	139,9	123,4	94,0	74,6
U 9...-900/16T	10	7,5	6,9	12,8	188,7	177,6	173,6	167,1	159,7	140,4	106,2	83,9
U 9...-950/18T	10	7,5	7,6	12,7	213,8	201,6	197,3	189,6	181,2	159,9	121,0	96,0
U 9...-1000/20T	10	7,5	8,5	13,9	236,7	223,1	218,3	209,3	199,8	176,1	134,5	107,0



## U 3-5-7 SLG/SLXG





## U 9 SLG/SLXG



TYPE	DIMENSIONS (mm)														
	A	C	D1	D2	E1	E2	G	H	DNA	DNM	I	L	M	SLG	SLXG
<b>U 3SLG-350/14T</b>	155	932	220	150	180	100	236	75	1" ¼ G	1" ¼ G	1098	327	290	54	
<b>U 3SLG-380/16T</b>	155	977	220	150	180	100	236	75			1098	327	290	58,5	
<b>U 3SLG-400/18T</b>	155	1025	220	150	180	100	236	75	1" ¼ G	1" ¼ G	1310	325	380	60,5	
<b>U 3SLG-450/20T</b>	155	1098	220	150	180	100	251	75			1310	325	380	65,5	
<b>U 3SLXG-350/14T</b>	155	932	260	180	215	130	236	75	1" ¼ G	1" ¼ G	1098	327	290	53,5	
<b>U 3SLXG-380/16T</b>	155	977	260	180	215	130	236	75			1098	327	290	58	
<b>U 3SLXG-400/18T</b>	155	1025	260	180	215	130	236	75	1" ¼ G	1" ¼ G	1310	325	380	60,5	
<b>U 3SLXG-450/20T</b>	155	1098	260	180	215	130	251	75			1310	325	380	64,5	
<b>U 5SLG-400/14T</b>	155	932	220	150	180	100	251	75	1" ¼ G	1" ¼ G	1098	327	290	57	
<b>U 5SLG-450/16T</b>	155	1000	220	150	180	100	251	75			1098	327	290	66	
<b>U 5SLG-550/18T</b>	155	1048	220	150	180	100	251	75	1" ¼ G	1" ¼ G	1310	325	380	68	
<b>U 5SLG-600/20T</b>	155	1098	220	150	180	100	260	75			1310	325	380	70	
<b>U 5SLXG-400/14T</b>	155	932	260	180	215	130	251	75	1" ¼ G	1" ¼ G	1098	327	290	56,5	
<b>U 5SLXG-450/16T</b>	155	1000	260	180	215	130	251	75			1098	327	290	65,5	
<b>U 5SLXG-550/18T</b>	155	1048	260	180	215	130	251	75	1" ¼ G	1" ¼ G	1310	325	380	68	
<b>U 5SLXG-600/20T</b>	155	1098	260	180	215	130	260	75			1310	325	380	69	
<b>U 7SLG-750/12T</b>	155	940	220	150	180	100	260	75	1" ¼ G	1" ¼ G	1098	327	290	70	
<b>U 7SLG-800/14T</b>	155	988	220	150	180	100	260	75			1098	327	290	71,5	
<b>U 7SLG-900/16T</b>	155	1036	220	150	180	100	260	75	1" ¼ G	1" ¼ G	1310	325	380	74	
<b>U 7SLG-950/18T</b>	155	1081	220	150	180	100	288	75			1310	325	380	87,5	
<b>U 7SLG-1000/20T</b>	155	1128	220	150	180	100	288	75	1" ¼ G	1" ¼ G	1310	325	380	87,5	
<b>U 7SLXG-750/12T</b>	155	940	260	180	215	130	260	75			1098	327	290	70	
<b>U 7SLXG-800/14T</b>	155	988	260	180	215	130	260	75	1" ¼ G	1" ¼ G	1098	327	290	71,5	
<b>U 7SLXG-900/16T</b>	155	1036	260	180	215	130	260	75			1310	325	380	73,5	
<b>U 7SLXG-950/18T</b>	155	1081	260	180	215	130	288	75	1" ¼ G	1" ¼ G	1310	325	380	87,5	
<b>U 7SLXG-1000/20T</b>	155	1128	260	180	215	130	288	75			1310	325	380	88,5	
<b>U 9...-750/12T</b>	170	1027	260	180	215	130	280	80	1" ½ G	1" ½ G	1310	325	380	74,5	73,5
<b>U 9...-800/14T</b>	170	1088	260	180	215	130	280	80			1310	325	380	76,5	75
<b>U 9...-900/16T</b>	170	1147	260	180	215	130	280	80	1" ½ G	1" ½ G	1310	325	380	83	82
<b>U 9...-950/18T</b>	170	1205	260	180	215	130	308	80			1310	325	380	91,5	91
<b>U 9...-1000/20T</b>	170	1263	260	180	215	130	308	80	1310	325	380	93,5	93		

# ULTRA V-SV-L-SL-LG-SLG Serie-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT Ø		STANDARD MATERIAL	OPTIONAL
					2
	U3-100/5, U3-120/6, U5-120/4, U5-150/5, U5-180/6, U7-180/4, U7-250/5, U7-300/6, U9-200/4, U9-250/5, U18-250/3, U18-400/4	14mm / S	<b>Rotating face</b> <b>Stationary face</b> <b>Elastomer</b>	Graphite Ceramic EPDM	SiC SiC EPDM
	U3-150/7, U3-180/8, U3-200/9, U3-250/10, U3-280/11, U3-300/12, U5-200/7, U5-250/8, U5-280/9, U5-300/10, U5-350/11, U5-380/12, U7-350/7, U7-400/8, U7-450/9, U7-550/10, U9-300/6, U9-400/7, U9-450/8, U9-500/9, U9-550/10	14mm	<b>Rotating face</b> <b>Stationary face</b> <b>Elastomer</b>	Graphite SiC EPDM	SiC SiC EPDM
	U18-450/5, U18-550/6, U18-750/8, U18-900/9, U18-920/10, U18-1000/11	14mm / L	<b>Rotating face</b> <b>Stationary face</b> <b>Elastomer</b>	Graphite SiC EPDM	SiC SiC EPDM
	U3-350/14, U3-380/16, U3-400/18, U3-450/20, U5-400/14, U5-450/16, U5-550/18, U5-600/20, U7-750/12, U7-800/14, U7-900/16, U7-950/18, U7-1000/20, U9-750/12, U9-800/14, U9-900/16, U9-950/18, U9-1000/20	14mm / Balanced seal	<b>Rotating face</b> <b>Stationary face</b> <b>Elastomer</b>	Tungsten carbide Graphite EPDM	- - -

BEARINGS	PUMP MODEL	TYPE	
	U3-100/5, U3-120/6, U5-120/4	6202-ZZ	6302-ZZ C3
	U3-150/7, U3-180/8, U3-200/9, U3-250/10, 3- U3-280/11, 3- U3-300/12, U5-150/5, U5-180/6, U5-200/7, U5-250/8, 3- U5-280/9, 3- U5-300/10, U7-180/4, U7-250/5, 3- U7-300/6, U9-200/4, U9-250/5, 3- U9-300/6, U18-250/3	6203-ZZ	6304-ZZ C3
	1- U3-280/11, 1- U3-300/12, 1- U5-280/9, 1- U5-300/10, U5-350/11, U5-380/12, 1- U7-300/6, U7-350/7, U7-400/8, 1- U9-300/6, U9-400/7, U18-400/4, U3-350/14, U3-380/16, U3-400/18, U5-400/14	6203-ZZ	6305-ZZ C3
	U7-450/9, U7-550/10, U9-450/8, U9-500/9, U9-550/10, U18-450/5, U18-550/6	6204-ZZ	6306-ZZ-C3
	U3-450/20, U5-450/16, U5-550/18, U5-600/20	6204-ZZ	3206-ZZ C3
	U7-750/12, U7-800/14, U7-900/16, U9-750/12, U9-800/14, U9-900/16, U18-750/8, U18-900/9, U18-920/10	6206-ZZ C3	3306-ZZ C3
	U7-950/18, U7-1000/20, U9-950/18, U9-1000/20, U18-1000/11	6206-ZZ C3	3308-ZZ C3



# ULTRA V/L/H + VSD

Vertical booster pump with variable speed drive

## ULTRA V



EPIC / EPIC-A

IPFC

## ULTRA L



EPIC / EPIC-A

IPFC

## ULTRA H



IPFC

### DESCRIPTION

Vertical pump of ULTRA series provided with variable speed drive EPIC, EPIC-A or IPFC. This booster pump assures a desired pressure regardless of changes on flow demand making it suitable for low or missing pressure in residential systems and industrial applications. It is required the installation of a membrane tank downstream the system.

### FEATURES

- EPIC, EPIC-A or IPFC variable speed drive
- Three-phase vertical pump of ULTRA series
- Pressure sensor wired to the vsd
- Cable with plug for EPIC vsd only

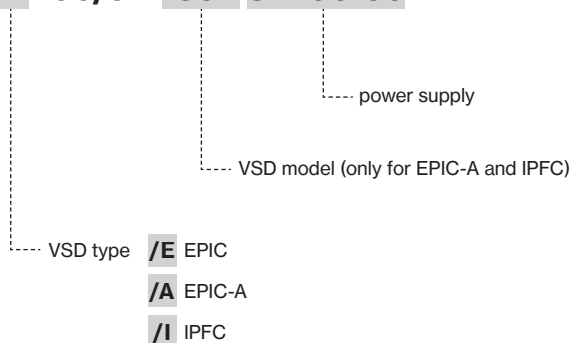
### FUNCTIONING

If the pressure in the network drops the pump will start and gradually speeds up to provide with the set pressure. When the water demand decreases, the pressure will rise causing the pump speed to slow down and eventually to stop the pump if demand ceases. The pump will remain on standby waiting to start at the next water demand.

### SELECTION

The next table shows the vertical ULTRA pump models available for the assembly with EPIC, EPIC-A or IPFC. For pumps longer than 1.4m, IPFC is not assembled onto the motor fan cover but is supplied with a wall-mounting kit. Consult the catalog at the ULTRA series for pump specifics and characteristic curves.

**U3SL /A 100/5 T -304 3×400-50**



		3- PUMP						VSD TYPE							
TYPE		VERSION						Power supply							
		V	SV	L	SL/SLX	LG	SLG/SLGX	1-230V		3-400V					
U 3	100/5T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306				
	120/6T	■	■	■	■	-	-								
	150/7T	■	■	■	■	-	-								
	180/8T	■	■	■	■	-	-								
	200/9T	■	■	■	■	-	-								
	250/10T	■	■	■	■	-	-		-	IPFC 114	EPIC-A 306				
	280/11T	■	■	■	■	-	-								
	300/12T	■	■	■	■	-	-								
	350/14T	-	-	-	-	-	■								
	380/16T	-	-	-	-	-	■								
	400/18T	-	-	-	-	-	■								
450/20T	-	-	-	-	-	■	-	-	EPIC-A 309	IPFC 309					
U 5	120/4T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306				
	150/5T	■	■	■	■	-	-								
	180/6T	■	■	■	■	-	-								
	200/7T	■	■	■	■	-	-								
	250/8T	■	■	■	■	-	-					-	IPFC 114	EPIC-A 306	
	280/9T	■	■	■	■	-	-								
	300/10T	■	■	■	■	-	-								
	350/11T	■	■	■	■	-	-								
	380/12T	■	■	■	■	-	-								
	400/14T	-	-	-	-	-	■								
	450/16T	-	-	-	-	-	■								
	550/18T	-	-	-	-	-	■								
	600/20T	-	-	-	-	-	■		-	-	EPIC-A 309	IPFC 309			
U 7	180/4T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306				
	250/5T	■	■	■	■	-	-								
	300/6T	■	■	■	■	-	-		-	IPFC 114	EPIC-A 306				
	350/7T	■	■	■	■	-	-								
	400/8T	■	■	■	■	-	-								
	450/9T	■	■	■	■	-	-								
	550/10T	■	■	■	■	-	-								
	750/12T	-	-	-	-	-	■								
	800/14T	-	-	-	-	-	■								
	900/16T	-	-	-	-	-	■								
	950/18T	-	-	-	-	-	■								
	1000/20T	-	-	-	-	-	■					-	-	EPIC-A 309	IPFC 309
U 9	200/4T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306				
	250/5T	■	■	■	■	-	-								
	300/6T	■	■	■	■	-	-		-	IPFC 114	EPIC-A 306				
	400/7T	■	■	■	■	-	-								
	450/8T	■	■	■	■	-	-								
	500/9T	■	■	■	■	-	-								
	550/10T	■	-	■	-	-	-								
	750/12T	-	-	-	-	-	■								
	800/14T	-	-	-	-	-	■								
	900/16T	-	-	-	-	-	■								
	950/18T	-	-	-	-	-	■								
	1000/20T	-	-	-	-	-	■					-	-	EPIC-A 309	IPFC 309
															IPFC 311
										IPFC 314					
										IPFC 318					



# ULTRA+VSD

		3- PUMP							VSD TYPE			
TYPE		VERSION							Power supply			
		V	SV	L	SL/SLX	LG	HS	HX	1-230V	3~400V		
U 18	100/1T	-	-	-	-	-	-	■	IPFC 109	EPIC-A 304	IPFC 306	
	200/2T	-	-	-	-	-	-	■				
	300/3T	-	-	-	-	-	-	■	IPFC 114	EPIC-A 306		
	250/3T	■	■	■	■	-	-	-				
	400/4T	-	-	-	-	-	-	■	-	-	IPFC 309	
	450/4T	■	■	■	■	-	-	-				
	450/5T	■	■	■	■	-	-	-				
	550/5T	-	-	-	-	-	-	■				
	550/6T	■	■	■	■	-	-	-				
	750/6T	-	-	-	-	-	-	■				
	750/7T	-	-	-	-	-	-	■				
	750/8T	■	■	■	■	-	-	-				
	1000/8T	-	-	-	-	-	-	■				
	1000/9T	-	-	-	-	-	-	■				
	900/9T	■	■	■	■	-	-	-				
	920/10T	-	-	-	-	■	-	-				
	1000/11T	-	-	-	-	■	-	-				
	1500/10T	-	-	-	-	-	-	■				
	1500/11T	-	-	-	-	-	-	■				
	1500/12T	-	-	-	-	-	-	■				
1500/13T	-	-	-	-	-	-	■					
1500/14T	-	-	-	-	-	-	■					
2000/15T	-	-	-	-	-	-	■					
2000/16T	-	-	-	-	-	-	■					
2000/17T	-	-	-	-	-	-	■					
U 22	200/1T	-	-	-	-	-	-	■	IPFC 109	-	IPFC 306	
	300/2T	-	-	-	-	-	-	■	IPFC 114			
	400/3T	-	-	-	-	-	-	■	-		-	IPFC 309
	550/4T	-	-	-	-	-	-	■				
	750/5T	-	-	-	-	-	-	■				
	1000/6T	-	-	-	-	-	-	■				
	1000/7T	-	-	-	-	-	-	■				
	1500/8T	-	-	-	-	-	-	■				
	1500/9T	-	-	-	-	-	-	■				
	1500/10T	-	-	-	-	-	-	■				
	2000/11T	-	-	-	-	-	-	■				
	2000/12T	-	-	-	-	-	-	■				
	2000/13T	-	-	-	-	-	-	■				
	2000/14T	-	-	-	-	-	-	■				
											IPFC 325	
											IPFC 330	



		3- PUMP							VSD TYPE	
TYPE		VERSION							Power supply	
		V	SV	L	SL/SLX	LG	HS	HX	1-230V	3-400V
U 35	300/1T	-	-	-	-	-	■	■	IPFC 114	IPFC 306
	550/2-2RT	-	-	-	-	-	■	■	-	IPFC 309
	550/2-1RT	-	-	-	-	-	■	■		IPFC 311
	750/2T	-	-	-	-	-	■	■		IPFC 314
	750/3-2RT	-	-	-	-	-	■	■		IPFC 318
	1000/3-1RT	-	-	-	-	-	■	■		IPFC 325
	1000/3T	-	-	-	-	-	■	■		
	1000/4-2RT	-	-	-	-	-	■	■		
	1500/4-1RT	-	-	-	-	-	■	■		
	1500/4T	-	-	-	-	-	■	■		
	1500/5-2RT	-	-	-	-	-	■	■		IPFC 330
	1500/5-1RT	-	-	-	-	-	■	■		
	2000/5T	-	-	-	-	-	■	■		
	2000/6-2RT	-	-	-	-	-	■	■		
	2000/6-1RT	-	-	-	-	-	■	■		-
	2000/6T	-	-	-	-	-	■	■		
2000/7-2RT	-	-	-	-	-	■	■			
2000/7-1RT	-	-	-	-	-	■	■			
U 50	400/1-1RT	-	-	-	-	-	■	■	IPFC 114	IPFC 306
	550/1T	-	-	-	-	-	■	■	-	IPFC 309
	750/2-2RT	-	-	-	-	-	■	■		IPFC 311
	1000/2T	-	-	-	-	-	■	■		IPFC 318
	1500/3-2RT	-	-	-	-	-	■	■		IPFC 325
	1500/3T	-	-	-	-	-	■	■		IPFC 330
	2000/4-2RT	-	-	-	-	-	■	■		
	2000/4T	-	-	-	-	-	■	■		-
	2500/5-2RT	-	-	-	-	-	■	■		
	2500/5T	-	-	-	-	-	■	■		
	3000/6-2RT	-	-	-	-	-	■	■		
	3000/6T	-	-	-	-	-	■	■		
	4000/7-2RT	-	-	-	-	-	■	■		
U 75	550/1-1RT	-	-	-	-	-	■	■	-	
	750/1T	-	-	-	-	-	■	■		IPFC 311
	1000/2-2RT	-	-	-	-	-	■	■		IPFC 318
	1500/2-1RT	-	-	-	-	-	■	■		IPFC 325
	1500/2T	-	-	-	-	-	■	■		IPFC 330
	2000/3-2RT	-	-	-	-	-	■	■		
	2000/3-1RT	-	-	-	-	-	■	■		-
	2500/3T	-	-	-	-	-	■	■		
	2500/4-2RT	-	-	-	-	-	■	■		
	3000/4-1RT	-	-	-	-	-	■	■		
	3000/4T	-	-	-	-	-	■	■		
4000/5-2RT	-	-	-	-	-	■	■			
U 90	750/1-1RT	-	-	-	-	-	■	■	-	IPFC 311
	1000/1T	-	-	-	-	-	■	■		IPFC 318
	1500/2-2RT	-	-	-	-	-	■	■		IPFC 325
	2000/2T	-	-	-	-	-	■	■		IPFC 330