

ULTRA LG

Multistage Vertical

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

Construction features

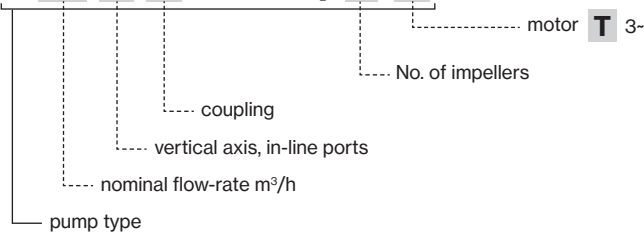
Pump body	cast iron
Motor bracket	cast iron
Impellers, diffusers	Noryl®
Shell, motor shaft	stainless steel AISI 304
Mechanical seal	ceramic-graphite-EPDM graphite-silicon carbide-EPDM
Intermediate shaft guiding stage bush	ceramic-tungsten carbide
Ambient temperature	max 40 °C
Liquid temperature	+5 ÷ +35 °C
Max operating pressure	14 bar
Pump body gasket	EPDM

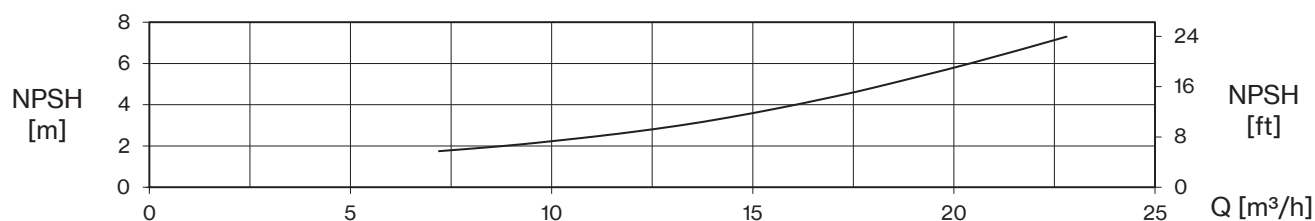
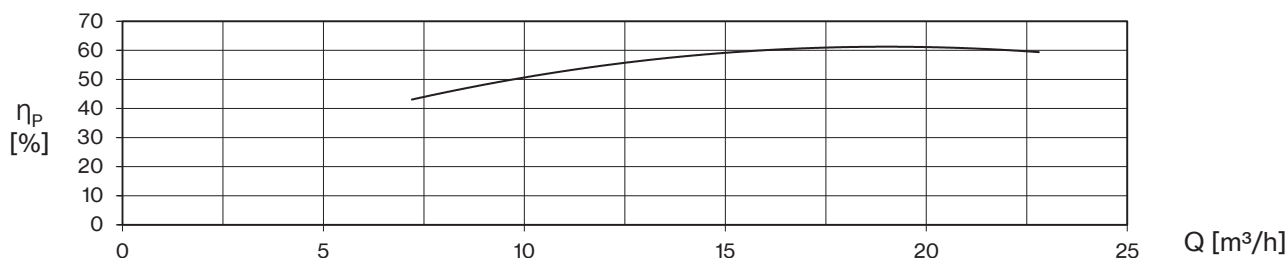
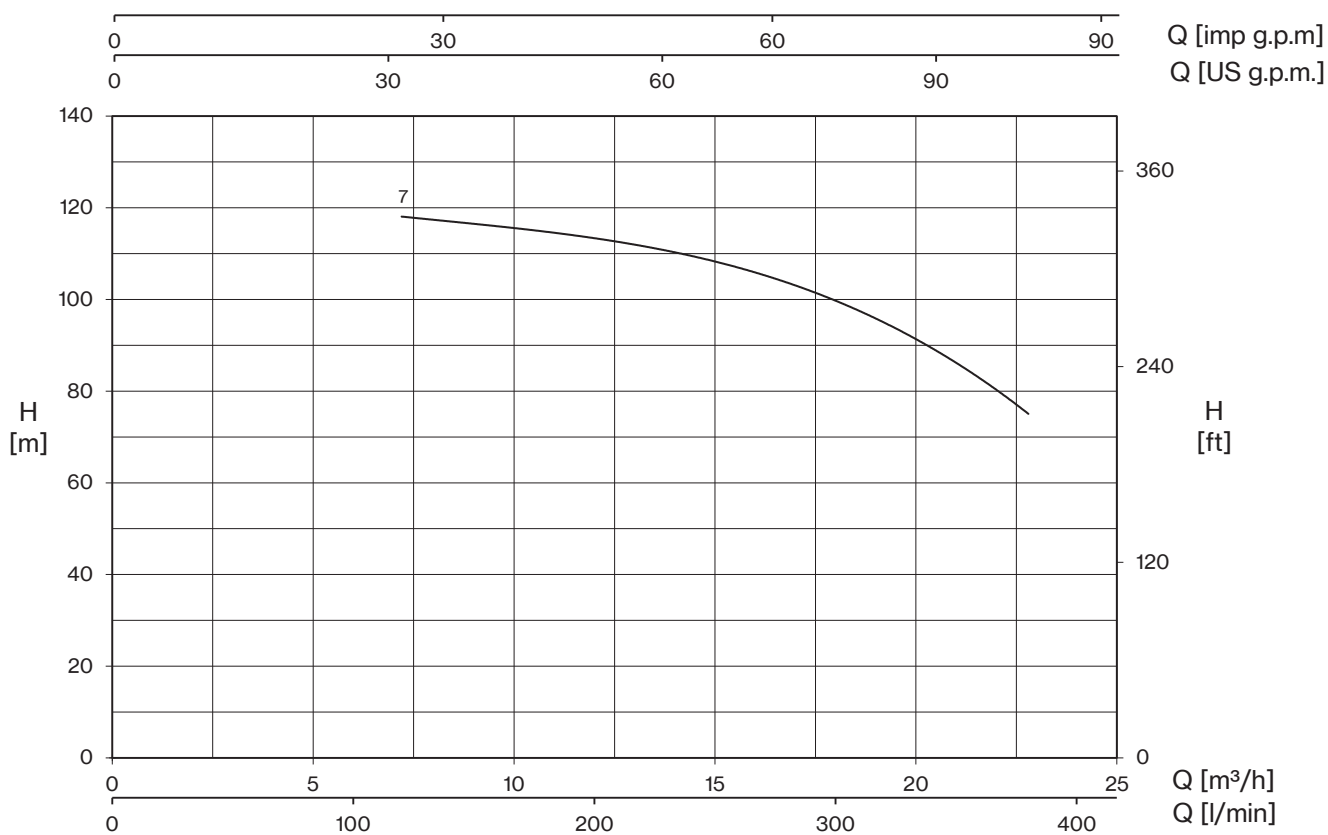
Motor

2 poles induction motor	3- 220/380V - 60Hz
Insulation class	F
Protection degree	IPX5



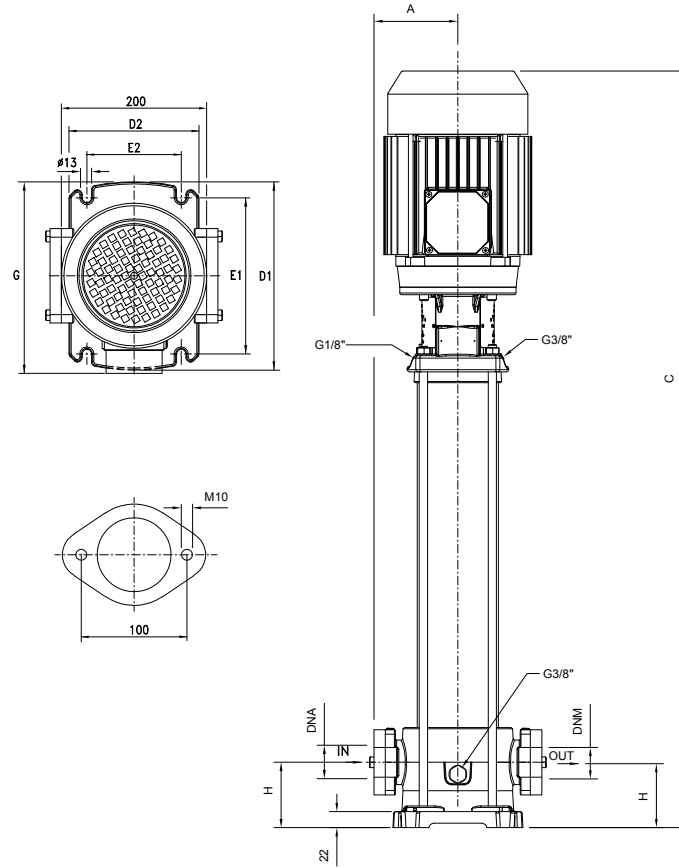
U 18 L G - 950 / 7 T







TYPE - 60 Hz	P2		P1	CURRENT 3- 380V	Q (m³/h - l/min)							
					0	7,2	9,6	12	14,4	16,8	20,4	22,8
3-	HP	kW	kW	A	0	120	160	200	240	280	340	380
					H (m)							
U 18LG-950/7T	10	7,5	9,0	15,4	120,3	117,5	116,4	113,3	109,0	103,7	89,9	74,7







TYPE	DIMENSIONS (mm)														
	A	C	D1	D2	E1	E2	G	H	DNA	DNM	I	L	M		
U 18LG-950/7T	118	908	260	180	215	130	308	90	2" G	2" G	1098	327	290	69,1	

MODEL	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
U 18LG-950/7T	100×120×150	12	100×120×150	12

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

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

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

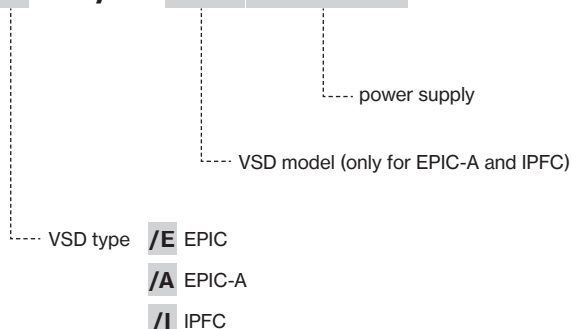
FUNCTIONING

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.

U5SL /A 250/5 T -209 3×220-60



		3- PUMP						VSD TYPE						
TYPE		VERSION						Power supply						
		V	SV	L	SL SLX	LG	SL SLGX	1-220V		3-380V		3-220V		
U 3	120/4T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306	EPIC-A 206	IPFC 206	
	150/5T	■	■	■	■	-	-			EPIC-A 306		EPIC-A 209	IPFC 209	
	200/6T	■	■	■	-	-	-		-	-	EPIC-A 309	IPFC 309	EPIC-A 214	IPFC 214
	250/7T	■	■	■	■	-	-	-			IPFC 311	-	IPFC 218	
	300/8T	■	■	■	■	-	-	-			-	-	-	
	350/10T	-	-	-	-	-	■	-			-	-	-	
	400/12T	-	-	-	-	-	■	-			-	-	-	
	450/14T	-	-	-	-	-	■	-	-	-	-			
U 5	180/4T	■	■	■	■	-	-	EPIC	IPFC 109	EPIC-A 304	IPFC 306	EPIC-A 209	IPFC 209	
	250/5T	■	■	■	■	-	-	-	-	EPIC-A 306		EPIC-A 214	IPFC 214	
	300/6T	■	■	■	■	-	-			EPIC-A 309	IPFC 309	-	IPFC 218	
	350/7T	■	■	■	■	-	-			-	IPFC 311	-	IPFC 225	
	400/8T	■	■	■	■	-	-	-	IPFC 314	-	-			
	450/10T	-	-	-	-	-	■	-	-	-	-			
	550/12T	-	-	-	-	-	■	-	-	-	-			
	750/14T	-	-	-	-	-	■	-	-	-	-			
U 7	300/4T	■	■	■	■	-	-	-	IPFC 114	EPIC-A 306	IPFC 306	EPIC-A 214	IPFC 214	
	400/5T	■	■	■	■	-	-			EPIC-A 309	IPFC 309			
	450/6T	■	■	■	■	-	-		-	-	IPFC 311	-	IPFC 218	
	550/7T	■	■	■	■	-	-				IPFC 314	-	IPFC 225	
	750/8T	■	■	■	■	-	-				IPFC 318	-	IPFC 230	
	800/10T	-	-	-	-	-	■		-	-	-	-		
	900/12T	-	-	-	-	-	■		-	-	-	-		
	U 9	350/4T	■	■	■	■	-		-	-	-	EPIC-A 309	IPFC 309	EPIC-A 214
400/5T		■	■	■	■	-	-	-	-			IPFC 311	-	IPFC 218
450/6T		■	■	■	■	-	-					IPFC 314	-	IPFC 225
550/7T		■	■	■	■	-	-	-	-			IPFC 318	-	IPFC 230
750/8T		■	■	■	■	-	-					IPFC 325	-	-
800/10T		-	-	-	-	-	■					-	-	-
900/12T		-	-	-	-	-	■	-	-			-	-	

ULTRA+VSD

TYPE		3- PUMP							VSD TYPE				
		VERSION							Power supply				
		V	SV	L	SL SLX	LG	HS	HX	1-220V	3-380V		3-220V	
U 18	200/1T	-	-	-	-	-	-	■	IPFC 109	EPIC-A 304	IPFC 306	EPIC-A 206	IPFC 206
	400/2T	-	-	-	-	-	-	■	IPFC 114	EPIC-A 306		EPIC-A 214	IPFC 211
	400/3T	■	■	■	■	-	-	-		EPIC-A 309	IPFC309		IPFC 214
	550/3T	-	-	-	-	-	-	■					
	550/4T	■	■	■	■	-	-	-			IPFC311		
	750/4T	-	-	-	-	-	-	■					IPFC 225
	750/5T	■	■	■	■	-	-	-			IPFC 314		
	1000/5T	-	-	-	-	-	-	■					
	900/6T	■	■	■	■	-	-	-			IPFC318		IPFC 230
	950/7T	-	-	-	-	-	■	-					
	1500/6T	-	-	-	-	-	-	■					
	1500/7T	-	-	-	-	-	-	■					
	1500/8T	-	-	-	-	-	-	■			IPFC325		
	2000/9T	-	-	-	-	-	-	■					
2000/10T	-	-	-	-	-	-	■						
2000/11T	-	-	-	-	-	-	■			IPFC330			
U 22	300/1T	-	-	-	-	-	■	■	IPFC 114	EPIC-A 306	IPFC 306	EPIC-A 209	IPFC 209
	550/2T	-	-	-	-	-	■	■			IPFC 309		IPFC 214
	750/3T	-	-	-	-	-	■	■			IPFC 311		IPFC 225
	1000/4T	-	-	-	-	-	■	■			IPFC 318		IPFC 230
	1500/5T	-	-	-	-	-	■	■			IPFC 325		
	1500/6T	-	-	-	-	-	■	■					
	2000/7T	-	-	-	-	-	■	■			IPFC 330		
	2000/8T	-	-	-	-	-	■	■					
U 35	400/1-1RT	-	-	-	-	-	■	■		EPIC-A 309		EPIC-A 214	IPFC 211
	550/1T	-	-	-	-	-	■	■			IPFC 309		IPFC 218
	750/2-2RT	-	-	-	-	-	■	■			IPFC 314		IPFC 225
	1000/2-1RT	-	-	-	-	-	■	■			IPFC 318		IPFC 230
	1500/2T	-	-	-	-	-	■	■					
	1500/3-2RT	-	-	-	-	-	■	■					
	1500/3-1RT	-	-	-	-	-	■	■			IPFC 325		
	2000/3T	-	-	-	-	-	■	■					
	2000/4-2RT	-	-	-	-	-	■	■			IPFC 330		
2000/4-1RT	-	-	-	-	-	■	■						
U 50	750/1-1RT	-	-	-	-	-	■	■			IPFC 311		IPFC 218
	1000/1T	-	-	-	-	-	■	■			IPFC 314		IPFC 225
	1500/2-2RT	-	-	-	-	-	■	■			IPFC 325		
	1500/2-1RT	-	-	-	-	-	■	■					
	2000/2T	-	-	-	-	-	■	■			IPFC 330		
U 75	1000/1-1RT	-	-	-	-	-	■	■			IPFC 314		IPFC 225
	1500/1T	-	-	-	-	-	■	■			IPFC 325		
	2000/2-2RT	-	-	-	-	-	■	■			IPFC 330		
U 90	1500/1-1RT	-	-	-	-	-	■	■			IPFC 325		
	2000/1RT	-	-	-	-	-	■	■			IPFC 330		

