



Circulators Pumps _ UPR | UPRF | UPRFE

Made In Europe



Catalogo 50/60 Hz

CIRCULATING FOR HEATING AND CONDITIONING

Central heating circulation pumps

UPR 40 - UPR 60 - UPR 80

Technical data

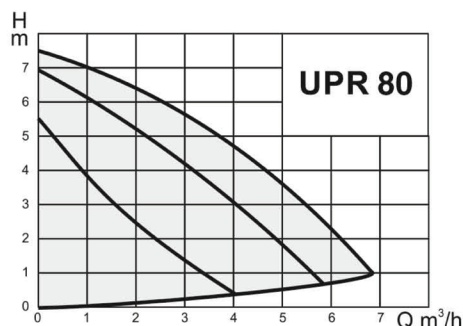
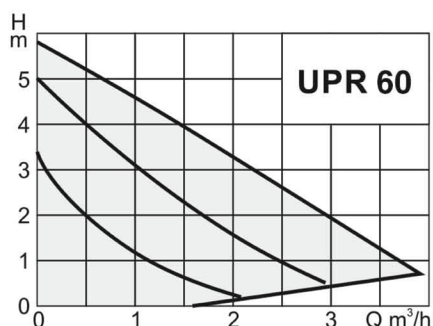
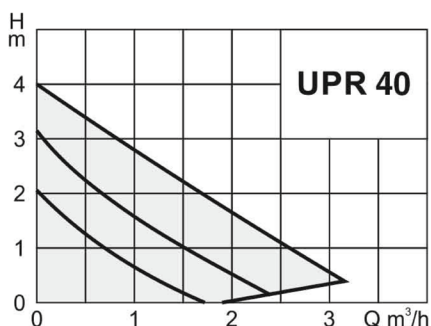
- single-phase motor with a wet rotor
- three rotational speeds
- operating voltage: 1 x 230 V~50 Hz
- max. operating pressure: 10 bar
- media temperature: 5°C to 110°C max.
- ambient temperature: 40°C max.
- protection type: IP 44
- connection: external thread GZ 1", 1 1/4", 1 1/2" (standard), 2"
- length: 180 mm (standard), 130 mm, 110 mm (brass)



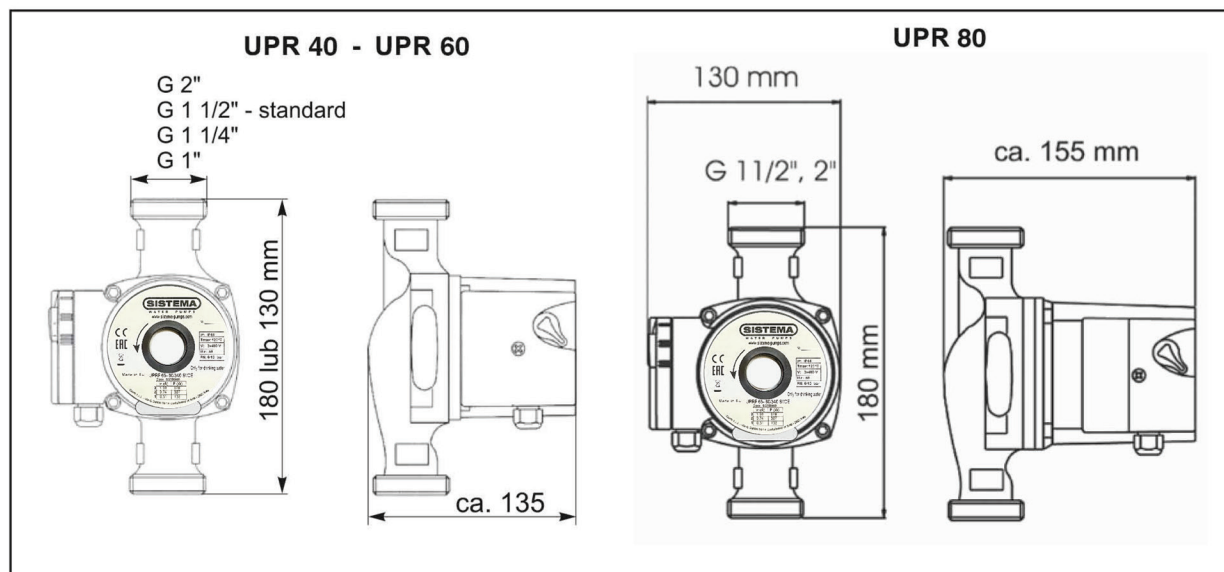
The pump has been created to pump warm water in central heating systems, however it can be used to pump liquid media in industrial and commercial usage. The pump may also be a part of a solar heating installation.

The articles are manufactured from the highest quality cast iron and chrome-nickel steel, which guarantees that the products are of high quality. The product has a ceramic bearing ring and a rotor disk made of technical polymer.

Pumps' characteristics



Dimension illustration



UPR 40

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
UPR 15/40-130	Cast iron	130	15	G 1"	4	28-63
UPR 20/40-130	Cast iron	130	20	G 1 1/4"	4	28-63
UPR 25/40-130	Cast iron	130	25	G 1 1/2"	4	28-63
UPR 20/40-180	Cast iron	180	20	G 1 1/4"	4	28-63
UPR 25/40-180	Cast iron	180	25	G 1 1/2 "	4	28-63
UPR 32/40-180	Cast iron	180	32	G 2"	4	28-63

UPR 60

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
UPR 15/60-130	Cast iron	130	15	G 1"	6	39-80
UPR 20/60-130	Cast iron	130	20	G 1 1/4"	6	39-80
UPR 25/60-130	Cast iron	130	25	G 1 1/2"	6	39-80
UPR 20/60-180	Cast iron	180	20	G 1 1/4"	6	39-80
UPR 25/60-180	Cast iron	180	25	G 1 1/2 "	6	39-80
UPR 32/60-180	Cast iron	180	32	G 2"	6	39-80

UPR 80

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
UPR 25/80-130	Cast iron	130	25	G 1 1/2 "	8	122-170
UPR 32/80-130	Cast iron	130	32	G 2 "	8	122-170
UPR 25/80-180	Cast iron	180	25	G 1 1/2 "	8	122-170
UPR 32/80-180	Cast iron	180	32	G 2 "	8	122-170

THREE SPEEDS THREE PHASE CIRCULATING PUMP

Applications

The SISTEMA UPRF circulators for clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%). For heating, conditioning, cooling and circulation plants. For civil and industrial applications. When low noise operation is required.

Limits of application

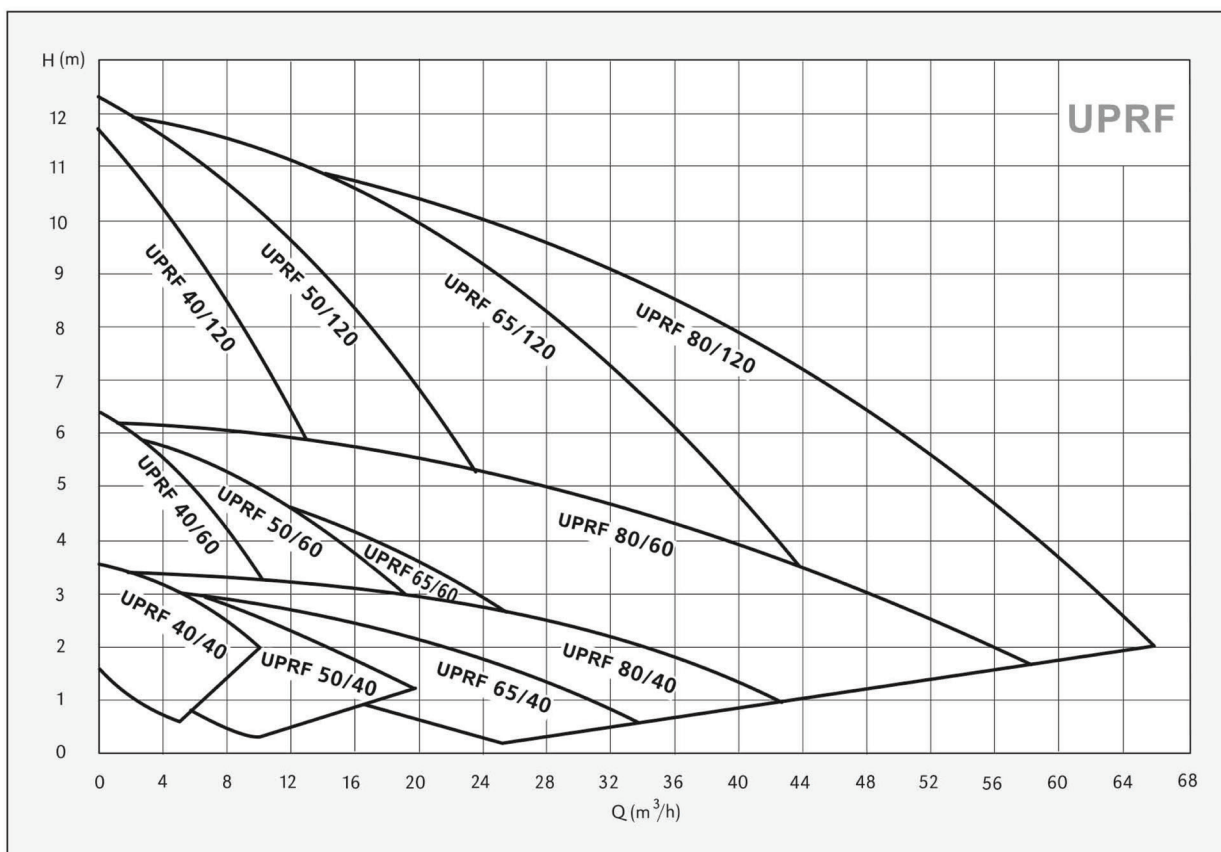
- Liquid temperature from -10 °C to +120 °C (in short-time duty up to + 140 °C).
- Ambient temperature up to 40 °C.
- Maximum glycol quantity: 50% (Mixture with more than 20% glycol content require rechecking of the pumping data).
- Maximum permissible working pressure 6/10 bar.

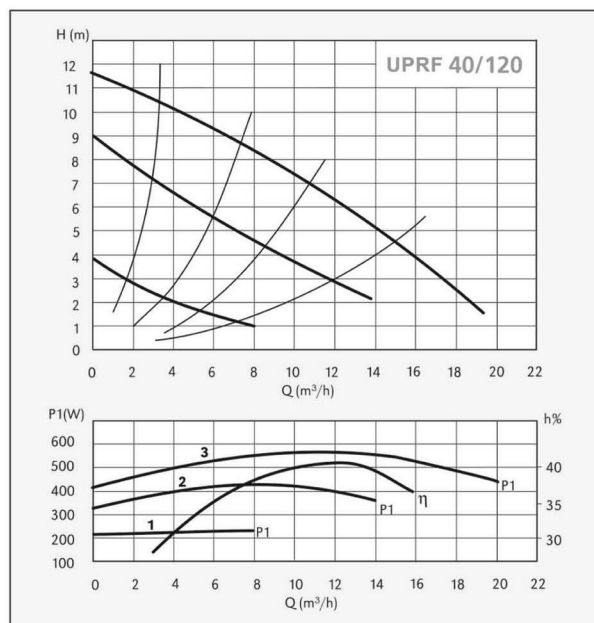
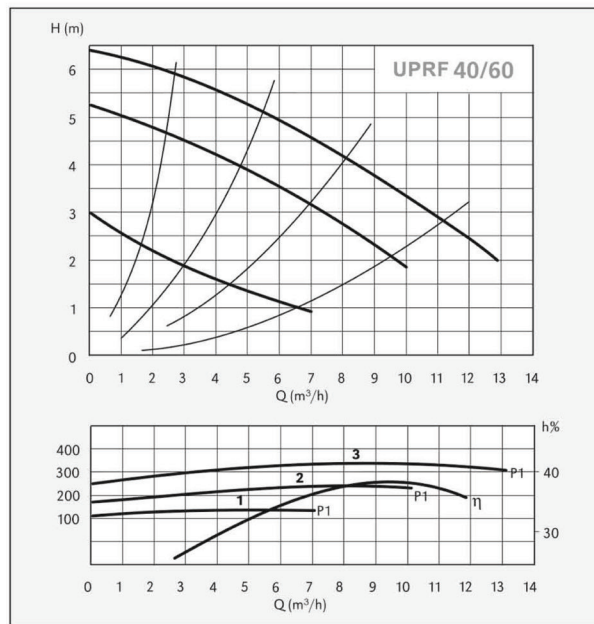
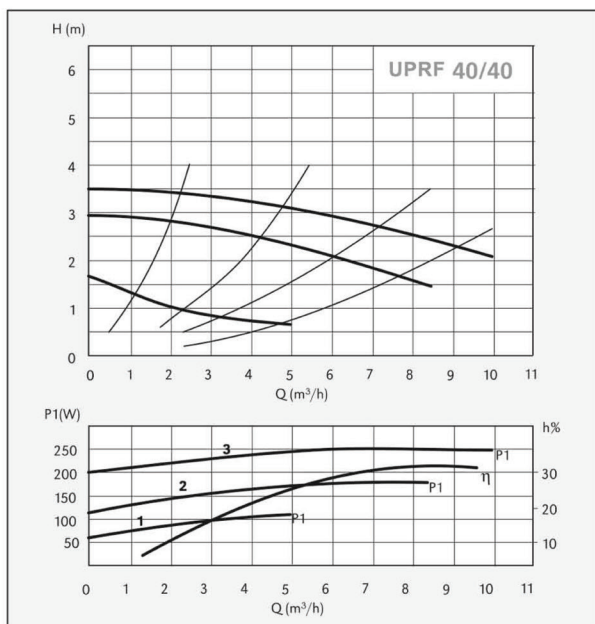
Motor

- 2/4 pole induction motor, 50 Hz.
- Three adjustable speeds.
- UPRF: three-phase 400 V.
- Insulation class F.
- Protection IP 43.

Components

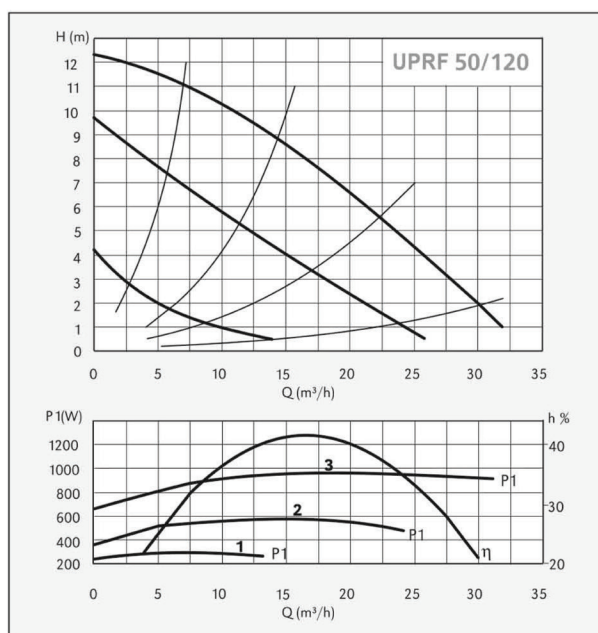
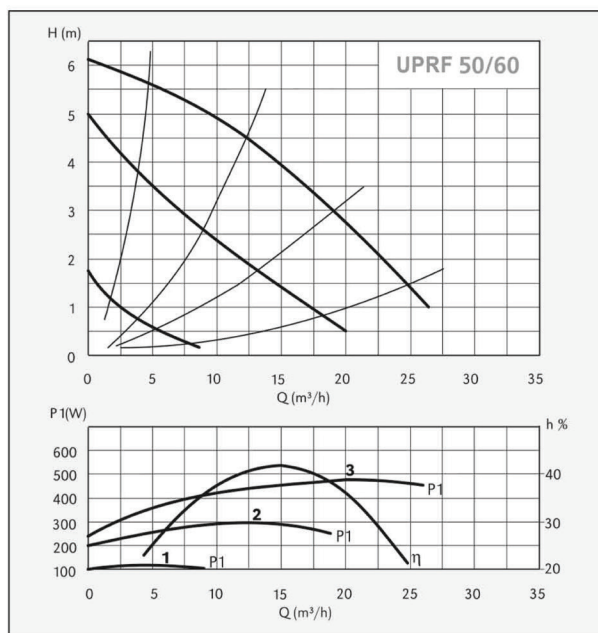
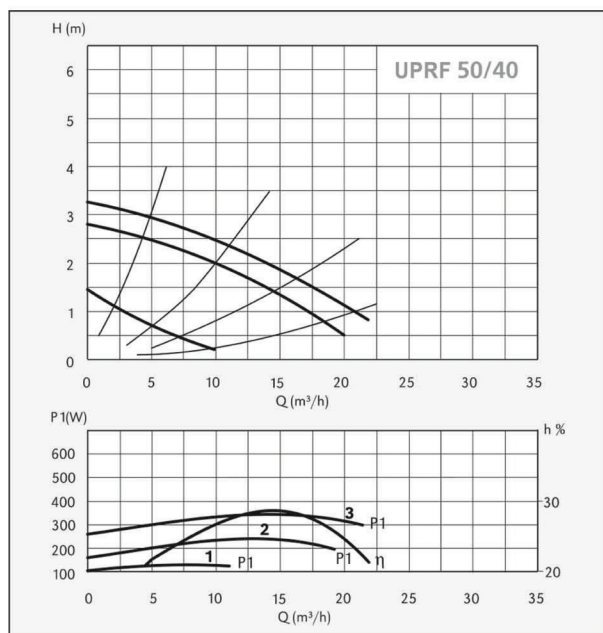
- Pump casing Cast iron
- Impeller Stainless steel
- Shaft Stainless steel



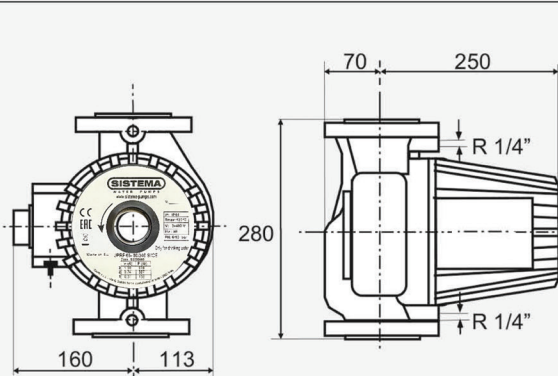


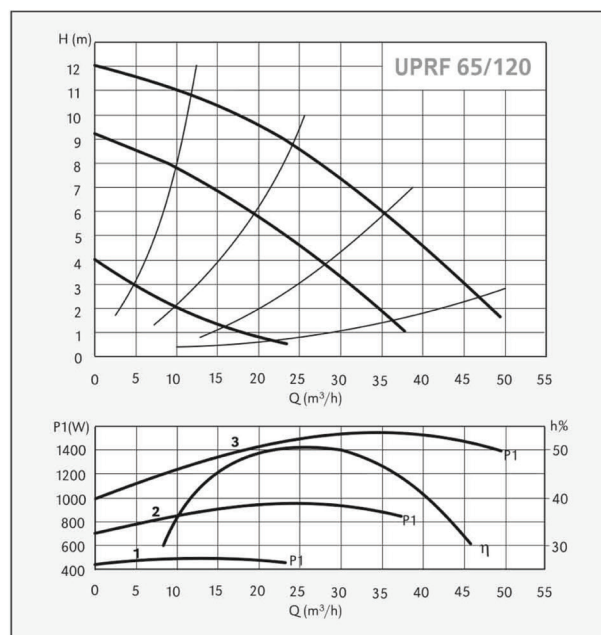
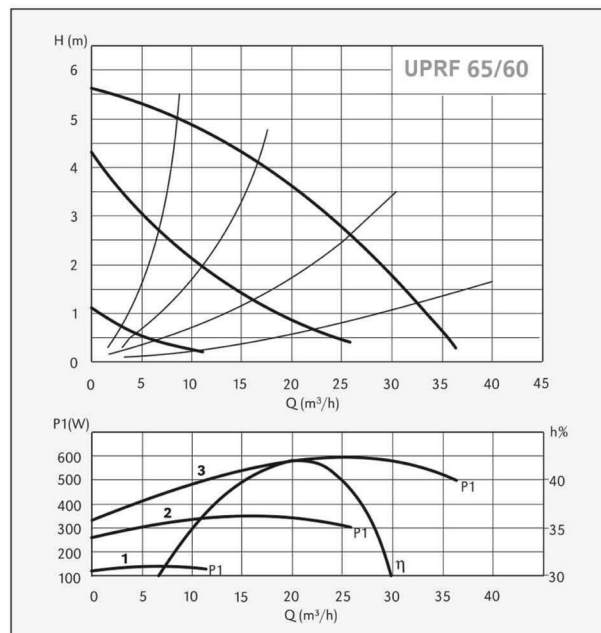
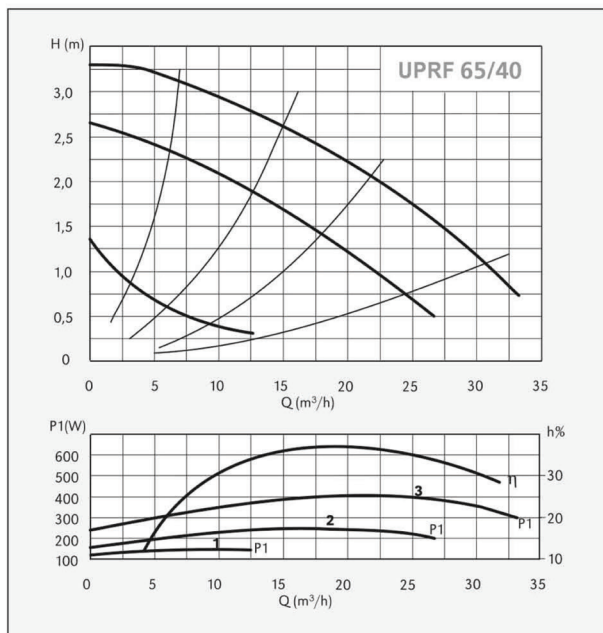
DIMENSIONS AND WEIGHTS

TYPE	DN	N° Pole	Pos.	1/min	P1 (W)	3x 400 V [A]	[kg]	
		2	4					
UPRF 40-40/250	40		✓	3 2 1	1440 1200 660	240 160 100	0,76 0,24 0,11	
UPRF 40-60/250	40	✓		3 2 1	2790 2240 1440	320 240 140	0,74 0,36 0,18	
UPRF 40-120/250	40	✓		3 2 1	2820 2200 1250	560 400 220	1,16 0,64 0,26	



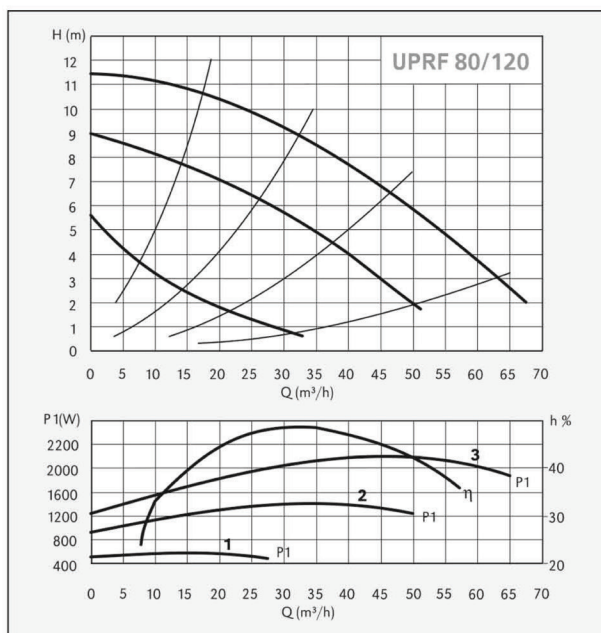
DIMENSIONS AND WEIGHTS

TYPE	DN	N° Pole		Pos.	1/min	P1 (W)	3x 400 V [A]	[kg]	
		2	4						
UPRF 50-40/280	50		✓	3	1450	340	1,05	24,0	
				2	1220	240	0,44		
				1	620	120	0,22		
UPRF 50-60/280	50		✓	3	1400	470	1,15	24,0	
				2	1000	300	0,55		
				1	560	100	0,20		
UPRF 50-120/280	50	✓		3	2800	950	1,73	24,0	
				2	2330	540	1,05		
				1	1270	265	0,46		

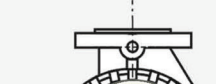


DIMENSIONS AND WEIGHTS

TYPE	DN	N° Pole		Pos.	1/min	P1 (W)	3x 400 V [A]	[kg]	
		2	4						
UPRF 65-40/340	65		✓	3 2 1	1430 1150 600	400 260 120	1,10 0,50 0,22	29,0	
UPRF 65-60/340	65		✓	3 2 1	1370 950 450	600 360 120	1,25 0,64 0,22	29,0	
UPRF 65-120/340	65	✓		3 2 1	2810 2200 1250	1560 960 460	2,80 1,70 0,84	31,0	



TYPE	DN	N° Pole		Pos.	1/min	P1 (W)	3x 400 V [A]	[kg]
		2	4					
UPRF 80-60/360	80		✓	3	1350	690	2,20	33,5
				2	1000	560	1,10	
				1	600	200	0,38	
UPRF 80-120/360	80	✓		3	2800	2200	3,80	34,5
				2	2160	1400	2,40	
				1	1200	550	1,05	




THREE-SPEED SINGLE-PHASE CIRCULATION PUMP

Applications

The SISTEMA UPRFE circulators for clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%). For heating, conditioning, cooling and circulation plants. For civil and industrial applications. When low noise operation is required.

Limits of application

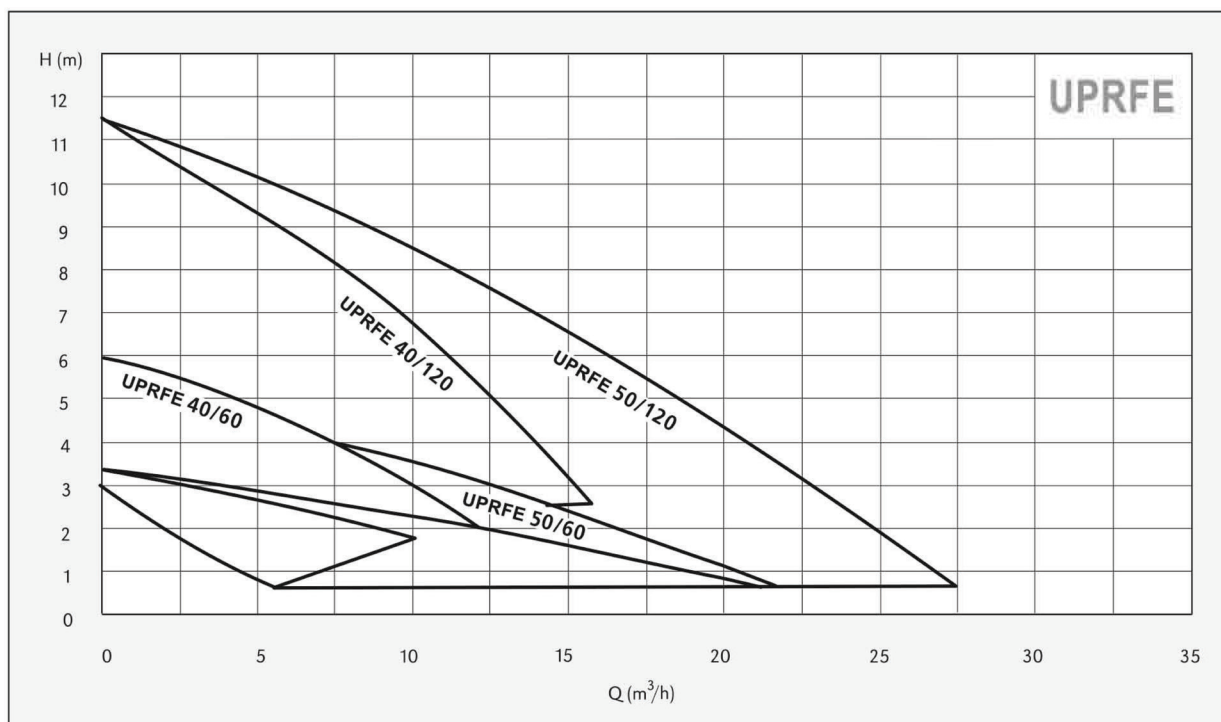
- Liquid temperature from -10 °C to +120 °C (in short-time duty up to + 140 °C).
- Ambient temperature up to 40 °C.
- Maximum glycol quantity: 50% (Mixture with more than 20% glycol content require rechecking of the pumping data).
- Maximum permissible working pressure 6/10 bar.

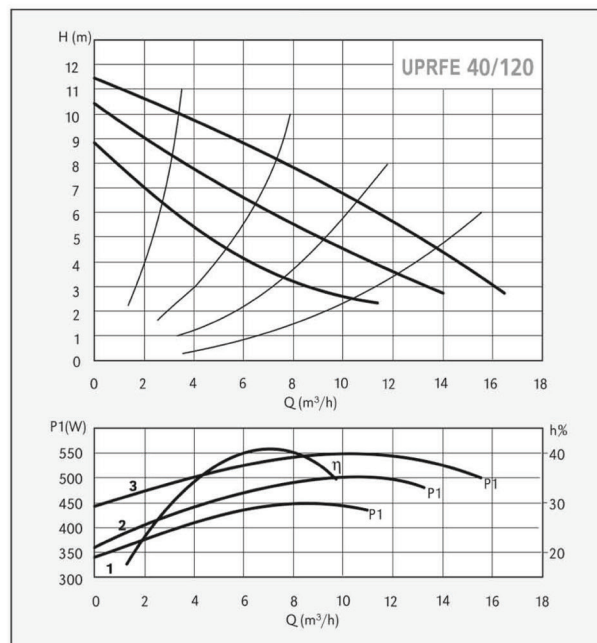
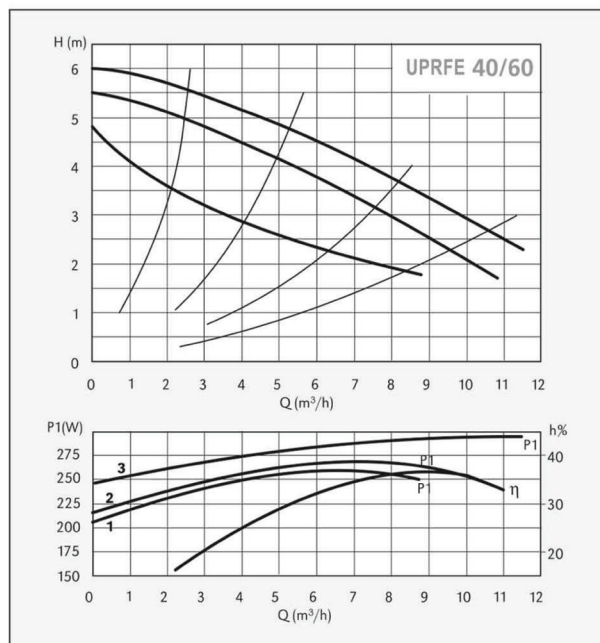
Motor

- 2/4 pole induction motor, 50 Hz.
- Three adjustable speeds.
- UPRFE: single-phase 230 V.
- Insulation class F.
- Protection IP 43.

Components

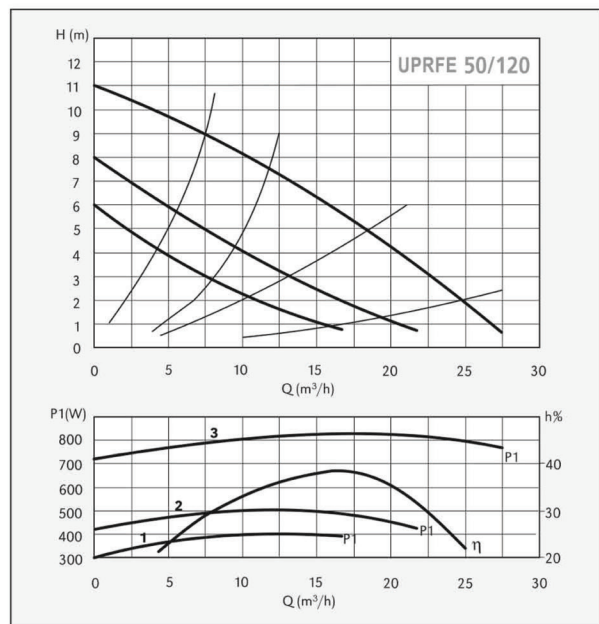
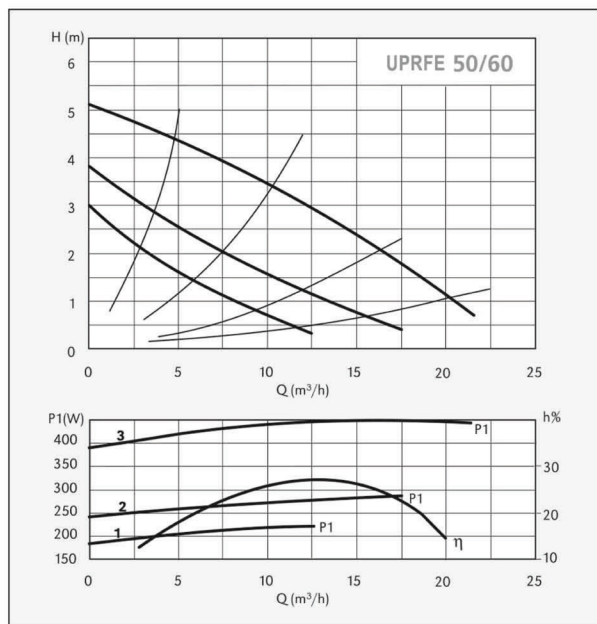
- Pump casing Cast iron
- Impeller Stainless steel
- Shaft Stainless steel





DIMENSIONS AND WEIGHTS

TYPE	DN	N° Pole		Pos.	1/min	P1 (W)	1x 230 V [A]	[kg]	
		2	4						
UPRFE 40-60/250	40	✓		3	2690	285	1,20	17,5	
				2	2360	245	1,18		
				1	1820	225	1,15		
UPRFE 40-120/250	40	✓		3	2750	550	2,35	19,0	
				2	2100	475	2,30		
				1	1270	355	1,85		



DIMENSIONS AND WEIGHTS

TYPE	DN	N° Pole	Pos.	1/min	P1 (W)	1x 230V [A]	[kg]	
		2	4					
UPRFE 50-60/280	50	✓	3	1260	415	1,8	24,5	
			2	1030	300	1,3		
			1	740	230	1,0		
UPRFE 50-120/280	50	✓	3	2720	830	3,6	24,5	
			2	1870	480	2,1		
			1	1450	390	1,7		