UP Series

Circulator pumps
60 Hz

Contents

Mission

- to successfully develop, produce, and sell high quality pumps and pumping systems worldwide, contributing to a better quality of life and healthier environment

Bjerringbro, Denmark

Fresno, California

Olathe, Kansas

Monterrey, Mexico

Allentown, Pennsylvania

Oakville, Ontario

- One of the 3 largest pump companies in the world
- The second largest manufacturer of submersible motors in the world
- World headquarters in Denmark
- North American headquarters in Kansas City - Manufacturing in Fresno, California
- 60 companies in 40 countries
- More than 10 million motors and pumps produced annually worldwide
- North American companies operating in USA, Canada and Mexico
- Continuous reinvestment in growth and development enables the company to **BE** responsible, **THINK** ahead, and **INNOVATE**

Grundfos Super Brute vs TACO, Bell & Gossett and Armstrong

Competitor cross-reference					
Comparable Grundfos replacement options			**Taco**	**Bell & Gossett**	**Armstrong**
Pump type	**Page**	**Speed**	**Model**		
UPS 15 - 58FC/BRC	47	High	005, 007, 008, 0010-IFC	NRF - 22, LR - 20 WR	ASTRO 30
		Medium	005, 005 - IFC, 007 - IFC, 008, 008 - IFC, 0010 - IFC, 00R - IFC	NRF-9F / LW	ASTRO 25
		Low	005, 005 - IFC, 006, 006 - IFC	-	ASTRO 20
UPS 26 - 99FC/BFC	54	High	0011, 0013 -IFC, 0014	NRF-36 SP-2, NRF-45 SP-2	E7
		Medium	0011, 0011 -IFC, 0014, 0014 - IFC	Series 100, PL-30, PR, NRF-36 SP-1, NRF-45 SP-1	ASTRO 50, H41
		Low	-	LR-15 BWR	ASTRO 30
UPS 43 - 44FC/BFC	58	High	0012	HV	
		Medium	0010,0012 - IFC	NRF - 33	H 32
		Low	-	-	-

Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Grundfos Super Brute Stainless steel 115 V

Competitor cross-reference					
Comparable Grundfos replacement options			**Taco**	**Bell & Gossett**	**Armstrong**
Pump type	**Page**	**Speed**	**Model**		
UPS 15-35SFC	37	High	005-BF2, 005-BF2-1 IFC, 007-BF5, 007-BF5-1 IFC	NBF-12F/LW, SSF-12F/LW	Astro 30 2-Speed
		Medium			Astro 20BF, Astro 30 1-Speed
		Low			
UPS 15-35SUC	37	High		NBF-12U/LW, SSF-12U/LW	Astro 25BU
		Medium	006-BC4-1, 006-B7-IFC	NBF-9U/LW	Astro 25BU
		Low	003-B4-2-IFC		
UPS 15-35SUC/TLC	37	High			Astro 25BU-T
		Medium			Astro 25BU-T
		Low			
UPS 15-55SFC	45	High			Astro 30BF
		Medium	008-BF6, 008-BF6-1 IFC, 008-BC6-IFC, 00R-BF6-IFC	NBF-22, SSF-22	Astro 30 3-Speed
		Low			Astro 30 1-Speed, Astro 50 1-Speed
UPS 15-55SUC	45	High			
		Medium		NBF-22U, SSF-22U	
		Low			
UPS 15-55SUC/TLC	45	High			
		Medium			
		Low			

Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Cross-reference

Comfort pump

Competitor cross-reference				
Comparable Grundfos replacement options (Comfort)			Laing pumps*	
Pump type	**Page**	**Connections**	**Pump type**	**Connections**
UP 10-16B5/LC	27	1/2 sweat/cord	SM303BS	1/2 sweat
UP 10-16BN5/LC	27	1/2 thread/cord	SM303BT	1/2 thread
UP 10-16B5/LC	27	1/2 sweat/cord	SM303BSW	1/2 sweat/cord
UP 10-16BN5/LC	27	1/2 thread/cord	SM303BTW	1/2 thread/cord
UP 10-16B5/ATLC	27	1/2 sweat/stat/cord/timer	SM303BSC	1/2 sweat/stat
UP 10-16BN5/ATLC	27	1/2 thread/stat/cord/timer	SM303BTC	1/2 thread/stat
UP 10-16B5/ATLC	27	1/2 sweat/stat/cord/timer	SM303BSCW	1/2 sweat/stat/cord
UP 10-16BN5/ATLC	27	1/2 thread/stat/cord/timer	SM303BTCW	1/2 thread/stat/cord
UP 10-16B5/TLC	27	1/2 sweat/cord/timer	SMT303BS	1/2 sweat/timer
UP 10-16BN5/TLC	27	1/2 thread/cord/timer	SMT303BT	1/2 thread/timer
UP 10-16B5/TLC	27	1/2 sweat/cord/timer	SMT303BSW	1/2 sweat/cord/timer
UP 10-16BN5/TLC	27	1/2 thread/cord/timer	SMT303BTW	1/2 thread/cord/timer
UP 10-16B5/ATLC	27	1/2 sweat/stat/cord/timer	SMT303BSC	1/2 sweat/stat/timer
UP 10-16BN5/ATLC	27	1/2 thread/stat/cord/timer	SMT303BTC	1/2 thread/stat/timer
UP 10-16B5/ATLC	27	1/2 sweat/stat/cord/timer	SMT303BSCW	1/2 sweat/stat/cord/timer
UP 10-16BN5/ATLC	27	1/2 thread/stat/cord/timer	SMT303BTCW	1/2 thread/stat/cord/timer

* Laing pump information taken from literature on Laing website August 2002.
Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Cross-reference

TACO

Competitor cross-reference						
Open systems: Stainless steel and bronze body pumps						
Comparable Grundfos replacement options				**Taco pumps***		
Primary model (s)	**Page**	**Conn. type**	**Pump length**	**Model**	**Conn. type**	**Pump length**
UP 15-10B5	28	1/2" sweat	5	003-BC	1/2" sweat	4-13/32
UP 15-10B7	-	3/4" sweat	6 3/8	003-B	3/4" sweat	4-1/4
UPS 15-42SU SPD1	-	1 1/4" U	5 7/8	003-BC-1	1" U	6
UP 15-42SF	-	Flange	6 1/2	005-BF2	Flng-R	6-3/8
UP 15-18B5	32	1/2" sweat	5	006-BC4	1/2" sweat	4-1/4
UP 15-18B7	32	3/4" sweat	6 3/8	006-B4	3/4" sweat	4-13/32
UP 15-18SU	-	1 1/4" U	5 7/8	006-BC4-1	1" U	5-15/16
UP 25-64SF	-	Flange	6 1/2	007-BF5	Flng-R	6-3/8
UP 25-64SF	-	Flange	6 1/2	007-BF5 opt	Flange	6-3/8
UP 15-42B7	38	3/4" sweat	6 3/8	008-BC6	3/4" sweat	6-3/8
UP 25-64SF	-	Flange	6 1/2	008-BF6	Flng-R	6-3/8
UP 26-96BF	51	Flange	6 1/2	009-BF5	Flange	6-3/8
UP 26-99BF	53	Flange	6 1/2	0011-BF4	Flange	6-1/2
UP 43-44BF	57	Flange	8 1/2	0012-BF4	Flng-R	8-1/2
UP 26-116BF (230V)	-	Flange	6 1/2	0013-BF3	Flange	6-1/2
UP 43-75BF	59	Flange	8 1/2	0014-BF1	Flng-R	6-1/2
Bronze body pumps with integrated check valve						
UP 15-18BUC5	33	1/2" sweat	6 1/2	006-BC7-1IFC	1/2" sweat	4-3/8
UP 15-18BUC7	33	3/4" sweat	7 3/4	006-BC7-IFC	3/4" sweat	4-3/8
Closed systems: Cast iron body pumps						
UPS 15-58FR SPD2	47	Flng-R	6 1/2	005-F2	Flng-R	6-3/8
UPS 15-42FR SPD2	44	Flng-R	6 1/2			
UPS 15-58FR	47	Flng-R	6 1/2	007-F5	Flng-R	6-3/8
UPS 15-42FR	44	Flng-R	6 1/2			
UP 15-42FR	42	Flng-R	6 1/2			
UPS 15-58F	-	Flange	6 1/2	007-F5 opt	Flange	6-3/8
UPS 15-42F	44	Flange	6 1/2			
UP 15-42F	42	Flange	6 1/2			
UPS 15-58FR	47	Flng-R	6 1/2	008-F6	Flng-R	6-3/8
UPS 15-42FR	44	Flng-R	6 1/2			
UP 15-42FR	42	Flng-R	6 1/2			
UP 15-100F	48	Flange	6 1/2	009-F5	Flange	6-3/8
UP 26-99F	51	Flange	6 1/2	0011-F4	Flange	6-1/2
UP 43-44F	57	Flange	8 1/2	0012-F4	Flng-R	8-1/2
UP 50-44F	61	2"Flng	8 1/2	0012-F4-1	2"Flng-R	8-1/2
UP 26-116F (230 V)	55	Flange	6 1/2	0013-F3	Flange	6-1/2
UP 26-64F	49	Flange	6 1/2	0014-F1	Flng-R	6-1/2
Cast iron body pumps with integrated check valve						
UPS 15-58FRC SPD2	47	Flng-R	6 1/2	007-F5-IFC	Flng-R	6-3/8
UPS 15-58FRC SPD1	47	Flng-R	6 1/2	005-IFC	Flng-R	6-3/8
UPS 15-58FRC SPD2	47	Flng-R	6 1/2	007-IFC	Flng-R	6-3/8
UPS 15-58FRC SPD3	47	Flng-R	6 1/2	008-IFC	Flng-R	6-3/8
UPS 15-58FRC SPD3	47	Flng-R	6 1/2	0010-IFC	Flng-R	6-3/8

* Taco pump information taken from literature on Taco website August 2002.
Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Bell & Gossett

Competitor cross-reference						
Open systems: Stainless steel and bronze body pumps						
Comparable Grundfos replacement options				**Bell & Gossett**		
Primary model(s)	**Page**	**Conn. type**	**Pump length**	**Model**	**Conn. type**	**Pump length**
UP 15-10B5	28	1/2" sweat	5	NBF-8S/LW	1/2" sweat	5
UP 15-18SU	-	1 1/4" U	5 7/8	NBF-9U/LW	1 1/4" U	6-1/8
UP 15-18B5	32	1/2" sweat	5	NBF-10S/LW	1/2" sweat	5
UP 15-42SU	-	1 1/4" U	5 7/8	NBF-12U/LW	1 1/4" U	6-1/8
UP 15-42SF	-	Flange	6 1/2	NBF-12F/LW	Flng-R	6-3/8
UP 15-42B5	38	1/2" sweat	5	NBF-18S	1/2" sweat	5
UP 25-64SU	-	1 1/4" U	5 7/8	NBF-22U	1 1/4" U	6-1/8
UP 25-64SF	-	Flange	6 1/2	NBF-22	Flng-R	6-3/8
UP 25-64SF	-	Flange	6 1/2	LR-15B	Flange	6-3/8
UP 43-44BF	57	Flange	8 1/2	Series HV B	Flng-R	8-1/2
UP 26-96BF	51	Flange	6 1/2	Series PR B	Flng-R	8-1/2
UP 26-96BF	51	Flange	6 1/2	PL30B	Flange	6-3/8
UP 26-116BF (230 V)	55	Flange	6 1/2	PL36B	Flange	6-1/2
Closed systems: Cast iron body pumps						
UP 15-10FR	30	Flng-R	6 1/2	NRF-9F/LW	Flng-R	6-3/8
UPS 15-58FR SPD1	47	Flng-R	6 1/2			
UPS 15-42FR SPD1	44	Flng-R	6 1/2			
UPS 15-58FR	47	Flng-R	6 1/2	NRF-22	Flng-R	6-3/8
UP 15-42FR	42	Flng-R	6 1/2			
UPS 15-42FR	44	Flng-R	6 1/2			
UPS 15-58F	-	Flange	6 1/2	LR-20BF	Flange	6-3/8
UP 15-42F	42	Flange	6 1/2			
UPS 15-42F	44	Flange	6 1/2			
UP 43-44F	57	Flange	8 1/2	Series HV	Flng-R	8-1/2
UP 26-64F	49	Flange	6 1/2	Series PR	Flng-R	8-1/2
UP 50-44F	61	2" Flng	8 1/2	2"	2" Flng-R	8-1/2
UP 26-64F	49	Flange	6 1/2	PL30	Flange	6-3/8
UP 26-116F (230 V)	55	Flange	6 1/2	PL36	Flange	6-3/8
UP 50-44F	61	2" Flng	8 1/2	PL75	2" Flng	8 1/2

* B&G pump information taken from literature on B&G website August 2002.
Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Cross-reference

ARMSTRONG

Competitor cross-reference						
Open systems: Stainless steel and bronze body pumps						
Comparable Grundfos replacement options				**Armstrong pumps***		
Primary model(s)	**Page**	**Conn. type**	**Pump length**	**Model**	**Conn. type**	**Pump length**
UP 15-10B5	28	1/2" sweat	5	Astro20B1/2S	1/2" sweat	5
UP 15-10B7	28	3/4" sweat	6 3/8	Astro20B3/4S	3/4" sweat	5
UP 15-18SU	-	1 1/4" U	5 7/8	Astro20BU	1 1/4" U	6
UP 15-18B5	32	1/2" sweat	5	Astro25B1/2S	1/2" sweat	5
UP 15-18B7	32	3/4" sweat	6 3/8	Astro25B3/4S	3/4" sweat	5
UP 15-42SU	-	1 1/4" U	5 7/8	Astro25BU	1 1/4" U	6
UP 25-64SF	-	Flange	6 1/2	Astro30	Flng-R	6-3/8
UP 25-64SF	-	Flange	6 1/2	Astro50B	Flng-R	6-3/8
UP 43-44BF	57	Flange	8 1/2	H32B	Flng-R	8-9/16
Closed systems: Cast iron body pumps						
UPS 15-58FR	47	Flng-R	6 1/2	Astro30	Flng-R	6-3/8
UP 15-42FR	42	Flng-R	6 1/2			
UPS 15-42FR	44	Flng-R	6 1/2			
UP 26-64F	49	Flange	6 1/2	Astro50	Flng-R	6-3/8
UP 43-44F	57	Flange	8 1/2	H32	Flng-R	8-9/16
UP 50-44F	61	2" Flng	8 1/2	S35	2" Flng-R	8-1/2

* Armstrong pump information taken from literature on Armstrong website August 2002.
Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

LAING

Competitor cross-reference						
Open systems: Stainless steel and bronze body pumps						
Comparable Grundfos replacement options				**Laing pumps***		
Model(s)	**Page**	**Conn. type**	**Pump length**	**Model**	**Conn. type**	**Pump length**
UP 15-18B5	32	1/2" sweat	5	SM-909-BS 1/2-14	1/2" sweat	6
UP 15-18B7	32	3/4" sweat	6 3/8	SM-909-BS 3/4-14	3/4" sweat	6
UP 15-42SF	-	Flange	6 1/2	SM-909-BF 14	Flange	6-1/2
UPS 15-42SF	-	Flange	6 1/2			
UP 15-42B5	38	1/2" sweat	5	SM-909-BS 1/2	1/2" sweat	6
UP 15-18B7	32	3/4" sweat	6 3/8	SM-909-BS 3/4	3/4" sweat	6
UP 15-42SF	-	Flange	6 1/2	SM-909-BF	Flange	6-1/2
UPS 15-42SF	-	Flange	6 1/2			
UP 25-64SF	-	Flange	6 1/2	SM-909-BF-26	Flange	6-1/2
UP 26-96BF	51	Flange	6 1/2	SM-1212-BF-26	Flange	6-1/2

Grundfos provides no guarantee as to the accuracy of competitor information listed herein.

Cross-reference

Discontinued products

The table shows which new products replace discontinued products.

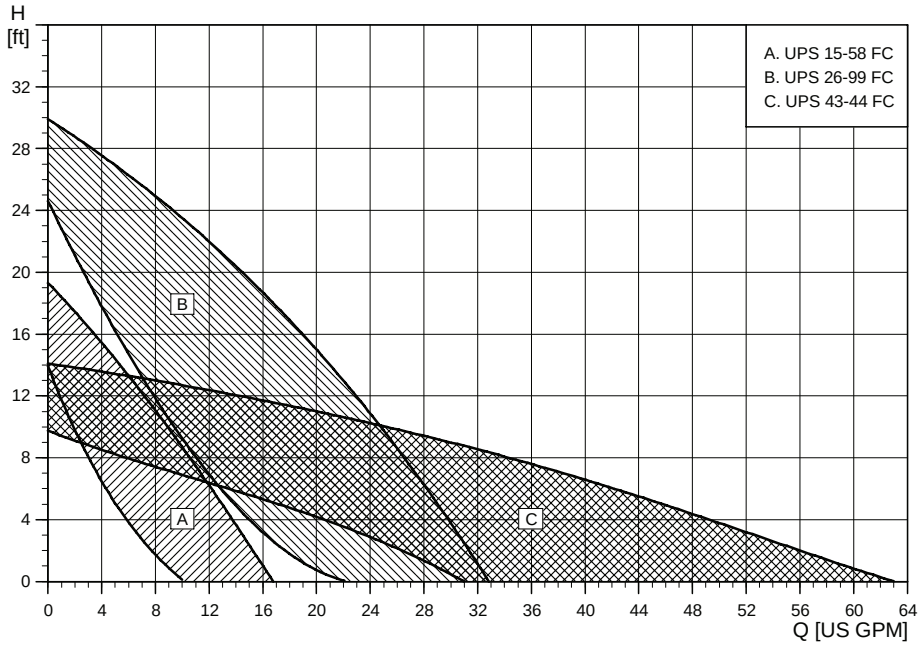
Stainless steel, flanged 115 V			
Old model	**Product number**	**New model**	**Product number**
UP 15-18SF	59896125	UP 15-29SF	59896771
UP 15-42SF	59896171	UPS 15-35SFC	59896772
UPS 15-42SF	59896247	UPS 15-55SFC	59896773
UP 25-64SF	52722322		

Stainless steel, union 115 V			
UP 15-18SU	59896127	UP 15-29SU	59896775
UP 15-18SU/LC	59896231	UP 15-29SU/LC	59896776
UP 15-18SU/TLC	59896232	UP 15-29SU/TLC	59896777
UP 15-42SU	59896174	UPS 15-35SUC	59896778
		UPS 15-35SUC/LC	59896779
		UPS 15-35SUC/TLC	59896780
UPS 15-42SU UP 25-64SU	59896130 52722322	UPS 15-55SUC	59896781
		UPS 15-55SUC/LC	59896782
		UPS 15-55SUC/TLC	59896783

Stainless steel, union 230 V			
UP 15-18SU	59896130	UP 15-29SU	59896784
UP 15-42SU	59896172	UP 15-35SUC	59896785
UP 25-64SU	52722323	UP 15-55SUC	59896786

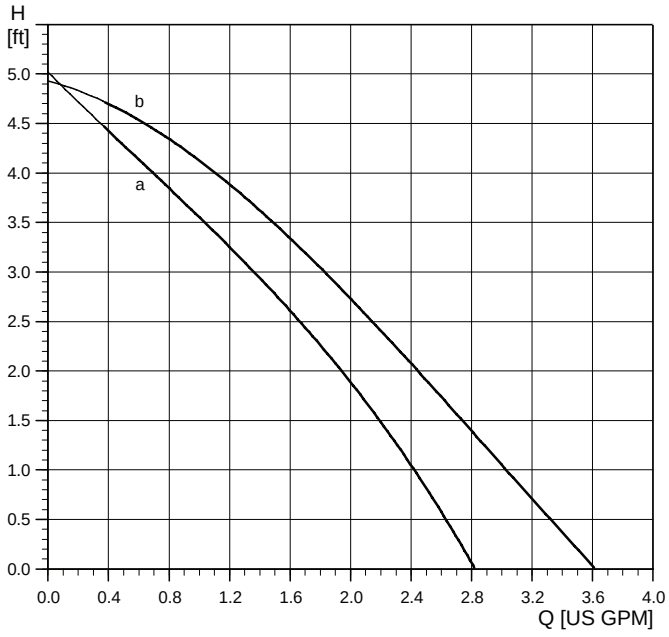
Performance ranges

Super Brute team - Multi Speed



TM03 9130 3507

Comfort pump

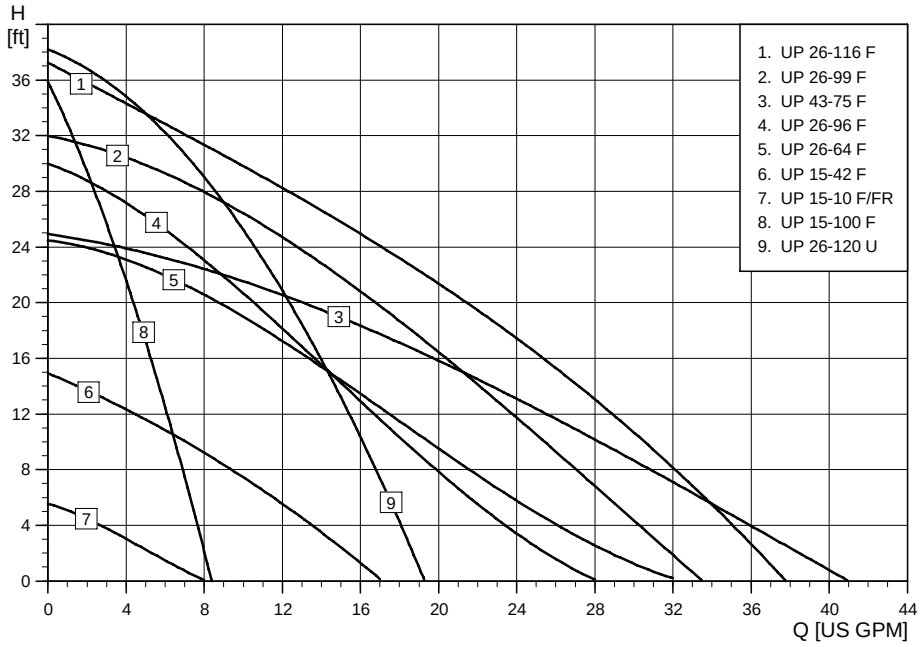


TM03 8851 2807

Note: a. UP 10-16B5 b. UP 10-16BN5

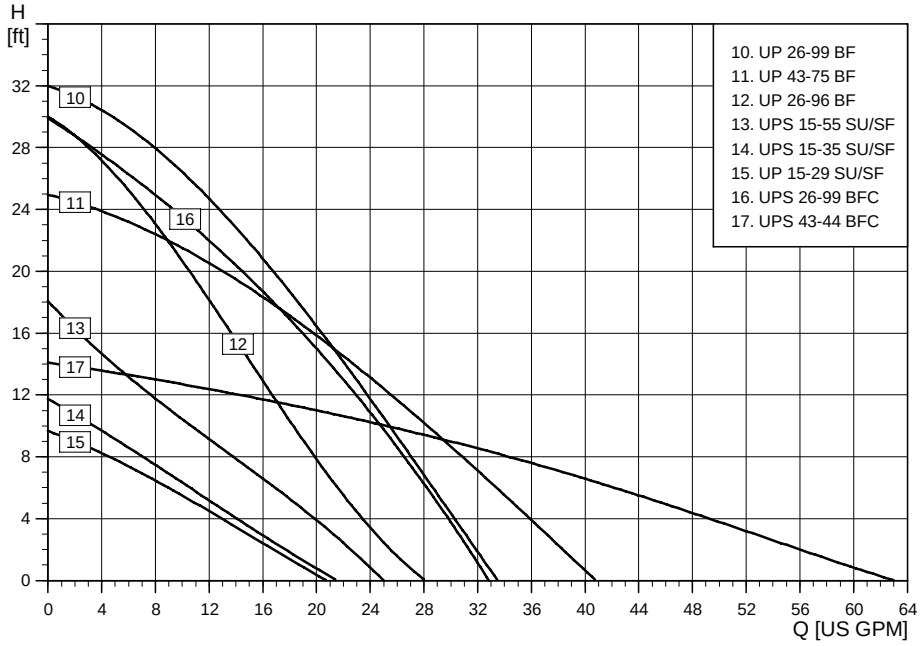
Performance ranges

Closed systems



TM03 9128 3407

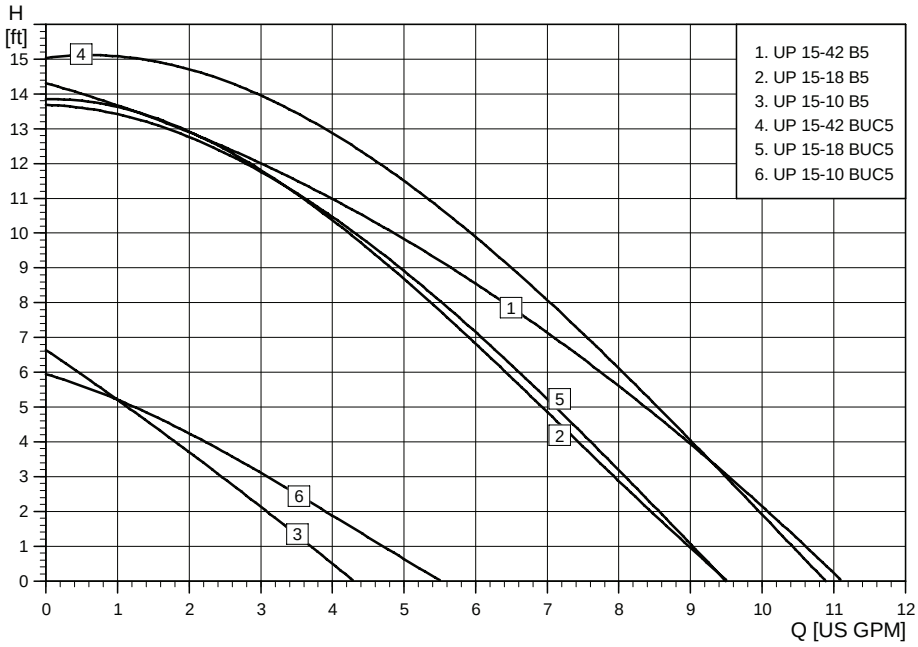
Open systems



TM03 9129 3507

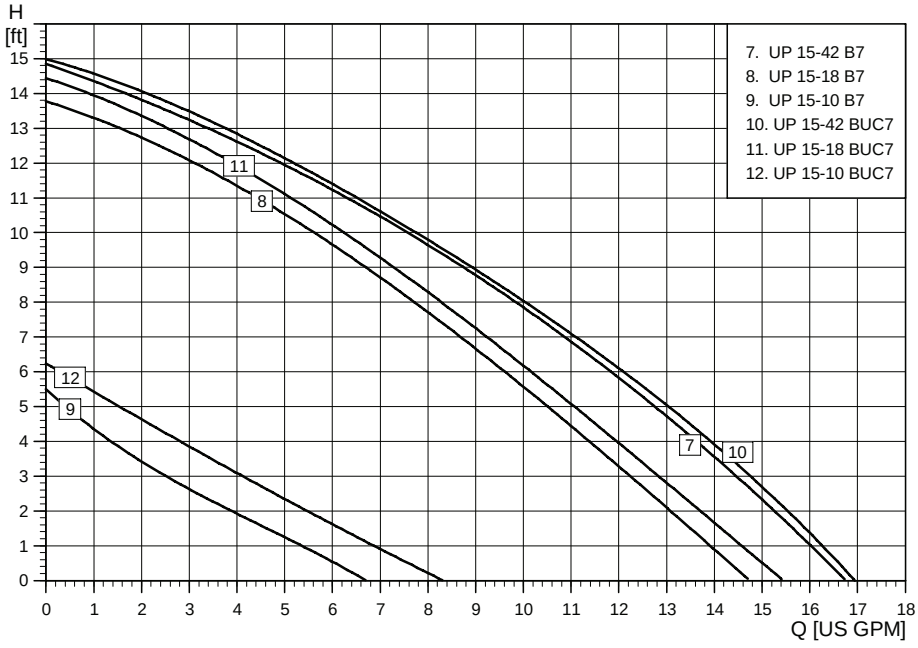
Performance ranges

Open systems 1/2"



TM03 9131 3507

Open systems 3/4"



TM03 9132 3507

Bronze

Open systems	Material		Flow [gpm]	Head [ft]	Flanged	Union	NPT	Sweat	Check valve	Page
	115 V	230 V								
UP 10-16B5/LC	96433894	-	0-3	0-5.4				●		27
UP 10-16B5/TLC	96433895	-	0-3	0-5.4				●		27
UP 10-16B5/ATLC	96433896	-	0-3	0-5.4				●		27
UP 10-16BN5/LC	96433897	-	0-3	0-5.4			●			27
UP 10-16BN5/TLC	96433898	-	0-3	0-5.4			●			27
UP 10-16BN5/ATLC	96433899	-	0-3	0-5.4			●			27
UP 10-16BU/ATLC	96433902	-	0-3	0-5.4		●			●	27
UP 15-10B5	59896213	-	0-9	0-6				●		28
UP 15-10B5/LC	59896214	-	0-9	0-6				●		28
UP 15-10B5/TLC	59896215	-	0-9	0-6				●		28
UP 15-10B7	59896226	-	0-9	0-6				●		28
UP 15-10B7/LC	59896209	-	0-9	0-6				●		28
UP 15-10B7/TLC	59896210	-	0-9	0-6				●		28
UP 15-10BUC5	59896225	-	0-9	0-6		●			●	29
UP 15-10BUC5/LC	59896237	-	0-9	0-6		●			●	29
UP 15-10BUC5/TLC	59896238	-	0-9	0-6		●			●	29
UP 15-10BUC7	59896241	-	0-9	0-6		●			●	29
UP 15-10BUC7/LC	59896239	-	0-9	0-6		●			●	29
UP 15-10BUC7/TLC	59896240	-	0-9	0-6		●			●	29
UP 15-18B5	59896114	59896118	0-15	0-14				●		32
UP 15-18B5/LC	59896211	-	0-15	0-14				●		32
UP 15-18B5/TLC	59896212	-	0-15	0-14				●		32
UP 15-18B7	59896121	59896119	0-15	0-14				●		32
UP 15-18B7/LC	59896229	-	0-15	0-14				●		32
UP 15-18B7/TLC	59896230	-	0-15	0-14				●		32
UP 15-18BUC5	59896123	-	0-12	0-16		●			●	33
UP 15-18BUC7	59896124	-	0-12	0-16		●			●	33
UP 15-42B5	59896145	59896142	0-17	0-15.5				●		38
UP 15-42B5/LC	59896233	-	0-17	0-15.5				●		38
UP 15-42B5/TLC	59896234	-	0-17	0-15.5				●		38
UP 15-42B7	59896146	59896149	0-17	0-15.5				●		38
UP 15-42B7/LC	59896235	-	0-17	0-15.5				●		38
UP 15-42B7/TLC	59896236	-	0-17	0-15.5				●		38
UP 15-42BUC5	59896150	-	0-16.5	0-15		●			●	39
UP 15-42BUC7	59896151	-	0-16.5	0-15		●			●	39
UP 15-42BUC5/MR* read as Miximizer	59896285	-	0-16.5	0-15		●			●	40
UP 15-42BUC7/MR* read as Miximizer	59896286	-	0-16.5	0-15		●			●	40
UP 26-96BF	52722336	52722334	0-27.5	0-30	●					51
UP 26-99BF	52722347	52722346	0-34	0-32	●					53
UPS 26-99BFC	52722518	52722519	0-33	0-29	●				●	54
UP 26-116BF	-	52722393	0-38.5	0-37.5	●					55
UP 43-44BF	52722439	52722440	0-64	0-13.5	●					57
UP 43-44BFC/MR* read as Miximizer	52722401	-	0-28	0-24	●					57
UPS 43-44BFC	5272250	52722521	0-63	0-13.5	●				●	58
UP 43-75BF	52722370	52722369	0-45	0-26	●					59

* **Note:** MR - MixiMizer

Stainless steel

Open systems	Material		Flow [gpm]	Head [ft]	Flanged	Union	NPT	Sweat	Check valve	Page
	115 V	230 V								
UP 15-10SU7P/TLC*	595916	-	0-3.4	0-3.5		●	●			31
UP 15-29SF	59896771	-	0-22	0-10	●					35
UP 15-29SU	59896775	59896784	0-22	0-10		●				35
UP 15-29SU/LC	59896776	-	0-22	0-10		●				35
UP 15-29SUC/TLC	59896777	-	0-22	0-10		●			●	35
UP 15-35SUC	-	59896785	0-22	0-12		●			●	36
UPS 15-35SFC Super Brute	59896772	-	0-22	0-12	●				●	37
UPS 15-35SUC Super Brute	59896778	-	0-22	0-12		●			●	37
UPS 15-35SUC/TLC Super Brute	59896780	-	0-22	0-12		●			●	37
UPS 15-55SFC Super Brute	59896773	-	0-25	0-18	●				●	45
UPS 15-55SUC Super Brute	59896781	-	0-25	0-18		●			●	45
UPS 15-55SUC/TLC Super Brute	59896783	-	0-25	0-18		●			●	45
UP 15-55SUC Super Brute	-	59896786	0-25	0-18		●			●	46

* **Note:** Comfort system with 3/4" MXF NPT

Cast iron

Closed systems	Material		Flow [gpm]	Head [ft]	Flanged	Union	NPT	Sweat	Check valve	Page
	115 V	230 V								
UP 15-10F	59896248	-	0-8	0-5.5	●					30
UP 15-10FR	59896249	-	0-8	0-5.5	●					30
UP 15-42FC/MR* read as Miximizer	59896277	-	0-9	0-14	●				●	41
UP 15-42F	59896155	59896173	0-17	0-15	●					42
UP 15-42FR	59896167	59896274	0-17	0-15	●					42
UP 15-42F/VS*	59896280	-	0-9	0-14	●					43
UPS 15-42F	59896178	59896180	0-17.5	0-17	●					44
UPS 15-42FR	59896250	-	0-17.5	0-17	●					44
UPS 15-58FC read as Super Brute	59896341	-	0-17.5	0-19	●				●	47
UPS 15-58BFC read as Super Brute	59896343	-	0-17.5	0-19	●				●	47
UP 15-100F	59896300	-	0-8.5	0-33.5	●					48
UP 26-64F	52722330	52722327	0-34	0-24	●					49
UP 26-64F/VS* read as Variable-speed	52722405	-	0-31	0-24	●					50
UP 26-96F	52722341	52722338	0-27.5	0-30	●					51
UP 26-96F/VS*	52722399	-	0-27.5	0-30	●					52
UP 26-99F	52722355	52722351	0-34	0-32	●					53
UPS 26-99FC read as Super Brute	52722512	52722513			●				●	54
UP 26-116F	-	52722377	0-38.5	0-37.5	●					55
UP 26-120U	52722435	52722436	0-19	0-38		●				56
UP 43-44F	52722437	52722438	0-64	0-13.5	●					57
UPS 43-44FC read as Super Brute	52722514	52722515			●				●	58
UP 43-70F	96439644	-	15-85	1-24.5	●					
UP 43-75F	52722373	52722372	0-45	0-26	●					59
UP 43-110F	96439643	-	15-90	1-37	●					60
UP 50-44F	52722441	52722442	0-64	0-13.5	●					61
UPS 50-44F	59896771	PN 59896784	0-65	0-14.4	●					62
UP 50-75F	52722352	52722353	0-45	0-27	●					63

* **Note:** VS - variable speed, MR - MixiMizer, SU7P

Approvals

Approvals 115 V

Approval	Description
	CUL mark
	UL - ANSI / NSF 61 Listed

Product number	Pump type	CUL	NSF
59896213	UP 15-10B5	●	●
59896214	UP 15-10B5/LC	●	●
59896215	UP 15-10B5/TLC	●	●
59896226	UP 15-10B7	●	●
59896209	UP 15-10B7LC	●	●
59896210	UP 15-10B7/TLC	●	●
59896225	UP 15-10BUC5	●	●
59896237	UP 15-10BUC5/LC	●	●
59896238	UP 15-10BUC5/TLC	●	●
59896241	UP 15-10BUC7	●	●
59896239	UP 15-10BUC7/LC	●	●
59896240	UP 15-10BUC7/TLC	●	●
59896248	UP 15-10F	●	–
59896249	UP 15-10FR	●	–
59896288	UP 15-10SU7P/TLC	●	●
59896114	UP 15-18B5	●	●
59896211	UP 15-18B5/LC	●	●
59896212	UP 15-18B5/TLC	●	●
59896121	UP 15-18B7	●	●
59896229	UP 15-18B7/LC	●	●
59896230	UP 15-18B7/TLC	●	●
59896123	UP 15-18BUC5	●	●
59896124	UP 15-18BUC7	●	●
59896125	UP 15-18SF	●	●
59896129	UP 15-18SU	●	●
59896127	UP 15-18SU	●	●
59896231	UP 15-18SU/LC	●	●
59896232	UP 15-18SU/TLC	●	●
59896145	UP 15-42B5	●	●
59896233	UP 15-42B5/LC	●	●
59896234	UP 15-42B5/TLC	●	●
59896146	UP 15-42B7	●	●
59896235	UP 15-42B7/LC	●	●
59896236	UP 15-42B7/TLC	●	●
59896150	UP 15-42BUC5	●	●
59896285	UP 15-42BUC5/MR	●	●
59896151	UP 15-42BUC7	●	●
59896286	UP 15-42BUC7MR	●	●
59896155	UP 15-42F	●	–
59896277	UP 15-42FC/MR	●	–
59896167	UP 15-42FR	●	–
59896171	UP 15-42SF	●	●
59896174	UP 15-42SU	●	●
59896247	UP 15-42SF	●	●
59896246	UP 15-42SU	●	●
59896337	UPS 15-58F	●	–
59896341	UPS 15-58FC	●	–
59896343	UPS 15-58FRC	●	–
59896333	UP 15-58F	●	–
59896339	UP 15-58FC	●	–
59896300	UP 15-100F	●	–
59896771	UP 15-29SF	●	●
59896775	UP 15-29SU	●	●
59896776	UP 15-29SU/LC	●	●
59896777	UP 15-29SUC/TLC	●	●
59896772	UPS 15-35SFC	●	●
59896778	UPS 15-35SUC	●	●
59896780	UPS 15-35SUC/TLC	●	●
59896773	UPS 15-55SFC	●	●
59896781	UPS 15-55SUC	●	●
59896783	UPS 15-55SUC/TLC	●	●
52722322	UP 25-64SF	●	●
52722324	UP 25-64SU	●	●
52722330	UP 26-64F	●	–
52722405	UP 26-64F/VS	●	–
52722336	UP 26-96BF	●	●
52722341	UP 26-96F	●	–
52722347	UP 26-99BF	●	●
52722355	UP 26-99F	●	–
52722439	UP 43-44BF	●	–
52722480	UP 43-44BFC	●	–
52722437	UP 43-44F	●	–
52722464	UP 43-44FC	●	–
52722401	UP 43-44BFC/MR	●	–
52722430	UP 43-64FC	●	–
52722398	UP 43-64FC/MR	●	–
52722370	UP 43-75BF	●	–
52722485	UP 43-75BFC	●	–
52722373	UP 43-75F	●	–
52722482	UP 43-75FC	●	–
52722441	UP50-44F	●	–
52722352	UP50-75F	●	–
52722518	UPS 26-99BFC	●	●
52722512	UPS 26-99FC	●	–
52722520	UPS 43-44BFC	●	–
52722514	UPS 43-44FC	●	–
52722557	UPS 50-44F	●	–

Approvals

Approvals 230 V

Approval	Description
	CUL mark
	UL - ANSI / NSF 61 Listed

Product number	Pump type	CUL	NSF
59896118	UP 15-18B5	●	●
59896119	UP 15-18B7	●	●
59896126	UP 15-18SF	●	●
59896130	UP 15-18SU	●	●
59896142	UP 15-42B5	●	●
59896149	UP 15-42B7	●	●
59896173	UP 15-42F	●	–
59896274	UP 15-42FR	●	–
59896170	UP 15-42SF	●	●
59896180	UP 15-42F	●	–
59896364	UPS 15-58FC	●	–
59896365	UPS 15-58FRC	●	–
59896367	UP 15-58FC	●	–
59896784	UP 15-29SU	●	●
59896785	UP 15-35SUC	●	●
59896786	UP 15-55SUC	●	●
52722320	UP 25-64SF	●	●
52722323	UP 25-64SU	●	●
52722393	UP 26-116BF	●	●
52722377	UP 26-116F	●	–
52722436	UP 26-120U	●	–
52722327	UP 26-64F	●	–
52722334	UP 26-96BF	●	●
52722338	UP 26-96F	●	–
52722351	UP 26-99F	●	–
52722440	UP 43-44BF	●	–
52722481	UP 43-44BFC	●	–
52722438	UP 43-44F	●	–
52722479	UP 43-44FC	●	–
52722369	UP 43-75BF	●	–
52722484	UP 43-75BFC	●	–
52722372	UP 43-75F	●	–
52722483	UP 43-75FC	●	–
52722442	UP50-44F	●	–
52722353	UP50-75F	●	–
52722519	UPS 26-99BFC	●	–
52722513	UPS 26-99FC	●	–
52722521	UPS 43-44BFC	●	–
52722515	UPS 43-44FC	●	–
52722558	UPS 50-44F	●	–

Type key

Type key

Example	UP	S	15	-58	()	F	C

Circulator pump

S: 3 speed

10: Comfort series
15: Small stator UP
25, 26, 43, 50: Large stator UP

Maximum head [dm]

Pump housing
= Cast iron (no letter = cast iron)
S = Stainless steel
B = Bronze

Pipe connection
F = Flange
FR = Flange rotated 90°
U = Union connection
5 = 1/2" internal sweat
7 = 3/4" internal sweat
N = NPT female thread fitting
7P = 3/4" male x female connection

Special features
/T = Timer
/LC = Line cord
/VS = Variable speed control
/MR = Mixing reset control
A = Thermostat (Aquastat)
C = Check valve (integrated into discharge)

Nameplate description

Nameplate

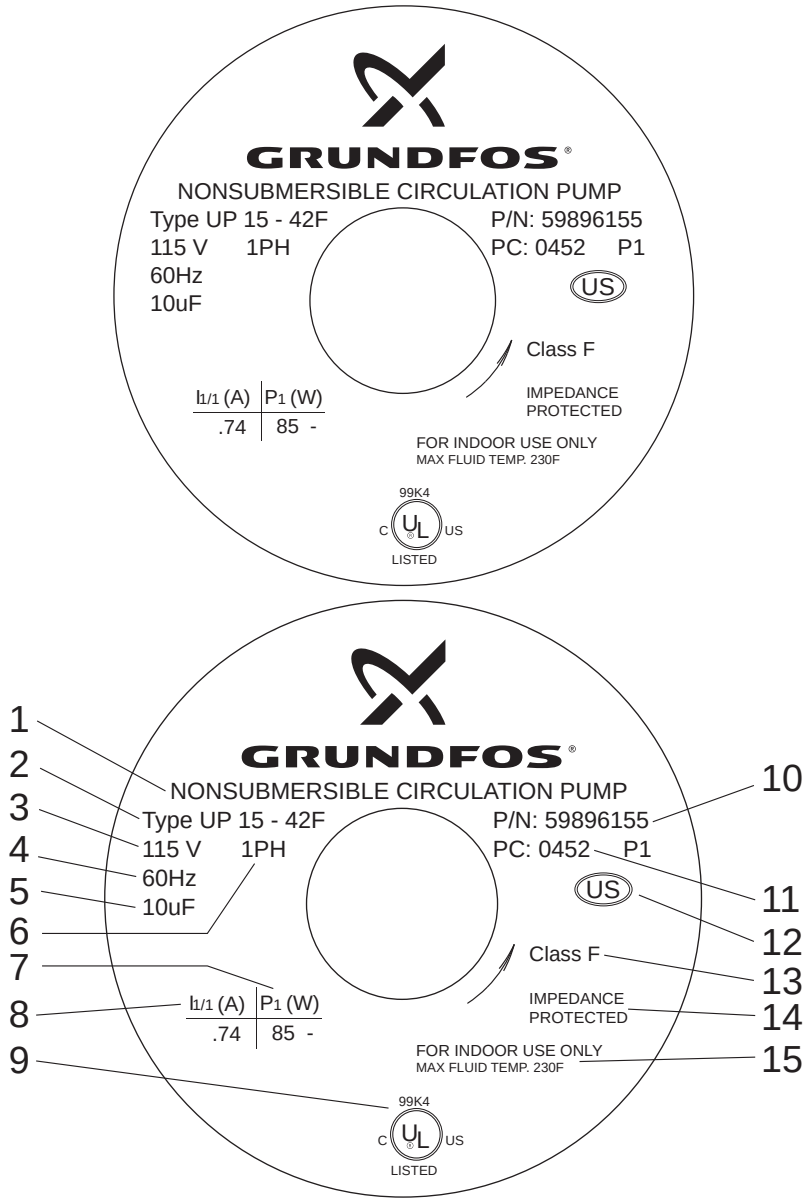


Fig. 1 Nameplate

Pos.	Description
1	Non-submersible pump
2	Pump type, UP 15-42F
3	Voltage, 115 V
4	Frequency, 60 Hz
5	Capacitor, 10 µF
6	1-phase
7	Power, 85 W
8	Current, 0.74 A

Pos.	Description
9	Approval
10	Product number, P/N: 59896155
11	04 = year 2004 / 52 = week
12	US approval
13	Isolation, Class F
14	Impedance-protected
15	Maximum liquid temperature, 230° F

Applications

The Grundfos circulator pumps, Series UP, are specifically designed for heating systems. The pumps are also suitable for circulation of hot domestic water and for circulation of liquid in cooling and air-conditioning systems.

Heating systems

Common uses:

- Boiler/hydronic heating
- Ground-source heat pumps
- Radiant floor heating
- Hydronic and fan-coil heating
- Solar heating
- Heat recovery/heat pumps.

Pump types with cast iron housing are generally used for these applications, considered to be closed systems pumping water or water/glycol mixtures. However, when water conditions exist that are not compatible with cast iron, we recommend the use of bronze or stainless steel.

Optional variable-speed and mixing-reset controls are available to customize heat output vs heat demand for increased comfort.

Domestic hot-water systems

Common uses:

- Solar water heating
- Hot-water recirculation
- Domestic hot-water heating.

Pump types with bronze, brass or stainless steel housing are used for these applications, considered to be open systems pumping potable water.

Optional timer and thermostat controls are available to limit pump operation to periods when hot water is required and to save energy.

Cooling systems

Common uses:

- Chilled-water pumping.

Pump types UP 25, 26, 43, 50 and pump housings compatible with the pumped liquids are recommended for chilled water due to their motor construction, which is suitable for 32 °F (0 °C) water.

Construction

The UP pumps are of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid.

The pumps are characterized by:

- Ceramic shaft and radial bearings
- Carbon thrust bearing
- Stainless steel rotor can and bearing plate
- Impeller in corrosion-resistant material
- Pump housing in cast iron, bronze or stainless steel.

Materials of construction

Description (UP closed systems)	Material
Inlet cone, bearing plate, bearing retainers, rotor can, rotor cladding, shaft retainer	304 stainless steel
Stator housing	Aluminium
Shaft, upper and lower radial bearings	Aluminium oxide ceramic
Thrust bearing	Carbon bearing and EPDM retainer
Check valve	ACETAL with 302 stainless steel spring and nitrile rubber seats
Pump housing (volute)	Cast iron
O-ring and gaskets	EPDM (ethylene propylene rubber)
Impeller	PES composite (30 % glass-filled)
Terminal box	Noryl® with EPDM gasket

Description (UP open systems)	Material
Inlet cone, bearing plate, bearing retainers, rotor can, rotor cladding, shaft retainer	304 stainless steel
Volute retainer (SU & SF models) and stator housing	Aluminium
Shaft, upper and lower radial bearings	Aluminium oxide ceramic
Thrust bearing	Carbon bearing and EPDM retainer
Pump housing (volute)	Silicon bronze C875 or stainless steel 300 series.
O-ring and gaskets	EPDM (ethylene propylene rubber)
Impeller	PES composite (30 % glass-filled)
Terminal box	Noryl® with EPDM gasket

Description (BUC5 and BUC7)	Material
Inlet cone, bearing plate, bearing retainers, rotor can, rotor cladding, shaft retainer, check valve spring	Stainless steel
Stator housing	Aluminium
Shaft, upper and lower radial bearings	Aluminium oxide ceramic
Thrust bearing	Carbon bearing and EPDM retainer
Pump housing (volute)	Silicon bronze C875 lead free
Tail piece and union nut	Brass (UNS C36000)
O-ring and gaskets	EPDM (ethylene propylene rubber)
Impeller	PES composite (30 % glass-filled)
Terminal box	Noryl® with EPDM gasket
Check valve housing, valve and torpedo	ACETAL with 302 stainless steel, spring and nitrile rubber seat
Union gasket	EPDM

Installation

The pump must always be installed with horizontal motor shaft.

Proper installation of the pump will have the terminal box located to one side of the pump or the other, with the conduit entry down.

UP can be installed in both vertical and horizontal lines.

UP pumps are intended for indoor use only.

Fig. 2

Motor

The motor is a 2-pole asynchronous squirrel-cage PSC (permanent split capacitor) motor with UL, CUL, and CSA approvals.

UP pumps are available in single-phase 115 V and 230 V versions with one or three speeds.

The terminal box is easily accessible and has functional cable connecting leads or terminals.

Insulation class: F.

The motor incorporates thermal overload or impedance protection. Therefore, no external motor protection is required.

UP models are single - speed.

UPS model pumps are multi-speed, and the speed can be changed by a speed selector switch located on the front of the terminal box.

If the speed of UPS 15-35 or 15-55 TLC models has to be changed, the timer control has to be removed before the speed can be changed.

UP models with VS or MR suffixes are variable-speed with integrated control.

Motor horsepowers range from 1/25 to 1/6 and power consumption from 25 to 385 W.

Applications

Pumped liquids

Depending on type, Grundfos circulator pumps are designed for the following liquids:

- Potable water
- Non-potable water
- Water/glycol mixtures
- Chilled water
- Domestic-hot water
- Softened water.

If the circulator pump is used for a glycol mixture with a higher viscosity than that of water, the hydraulic performance of the pump will be reduced.

Example: 50 % glycol at 68 °F (20 °C) means a viscosity of approx. 10 cSt and a reduction of pump performance by approx. 15 %.

When selecting a pump, the viscosity of the pumped liquid must be taken into consideration.

Ambient and liquid temperatures

The maximum allowable water temperature is determined by the ambient or surrounding air temperature as shown in the table below.

Maximum water temperature					
Ambient (°F)	104	120	140	160	175
Water, all cast iron (°F)	230	220	210	190	175
Water, all bronze and stainl. steel	220	210	190	175	
*exceptions below					
UP/UPS 15 FC and UP 43 FC (°F)	200	190	180	170	
UP 15BUC5 and UP 15BUC7 (°F)	200	190	180	170	
UPS 15-35 (°F)	165	140	-	-	-
UP 15-100F (°F)	205	195	185	175	-
UP 26-120U (°F)	205	195	185	175	-
UP 26-116 (°F)	150	140	-	-	-

Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

The above table refers to all standard product without timer/control options or other special features.

The ambient temperature for standard pumps with a permissible liquid temperature from 36 °F (2 °C) to 230 °F (110 °C) should always be lower than the liquid temperature, as otherwise condensation may form in the stator housing.

Temperature requirements for pumps with timer/ control or other special features may be found on their technical data page.

Maximum system pressure

145 psi (10 bar).

Minimum inlet pressure

The amount of pressure required at the inlet of a pump is a function of the temperature of the water as shown in the table below.

Minimum inlet pressure			
Liquid temperature	230° (110 °C)	190° (88 °C)	140° (60 °C)
Feet of water	36 ft (1.10 m)	9 ft (2.8 m)	3 ft (0.9 m)
Inlet pressure	15.6 psi	4.0 psi	1.3 psi

Performance

Flow range 0-64 U.S., head range 0-38 feet

In a pressure system, the required inlet pressure is the allowable system pressure.

In a system open to the atmosphere, the required inlet pressure is the minimum distance the pump must be located below the lowest possible water level of the water source (tank, pool, etc.).

MixiMizer - mixing reset pump

The Grundfos MixiMizer, a fully integrated injection pump and indoor/outdoor controller, is the only pump and controller system of its kind.

Equipped with a weather responsive control, also known as indoor/outdoor control or reset control, the MixiMizer automatically calculates and controls mixed water temperatures according to outdoor temperatures in primary/secondary piping systems. The control also provides pump exercising for 10 seconds every 3 days and a 20 second postpurge when the heat demand is removed.

For maximum design flexibility, the MixiMizer can be integrated into a thermostat or zoning control system through the user-selectable "external call for heat/ demand input".

A fully serviceable check valve integrated into the pump housing eliminates ghost flows in primary/secondary injection systems and zone applications.

LEDs located on the terminal box are designed to indicate performance and diagnose faults without tools.

Other standard user-selectable features include boiler protection, system/slab "overtemperature" control and a 5 °F parallel shift of the heating curve.

TM03 9089 3307

Fig. 3 MixiMizer

MixiMizer models includes the following

- Two water-temperature sensors (system supply and return) prewired (8 feet each)
- One prewired 6-foot line cord
- One outdoor air-temperature sensor
- Two flange gaskets.

Standard features

- Variable-speed output modulation
- System supply-temperature sensor 140 ° F max.
- Boiler return-temperature sensor 135 ° F min.
- Heating curve can be adjusted by 5 ° in parallel
- Pump exercising every three days of no operation.

Optional features

- Outdoor air-temperature sensor (outdoor reset)
- Boiler on/off output.

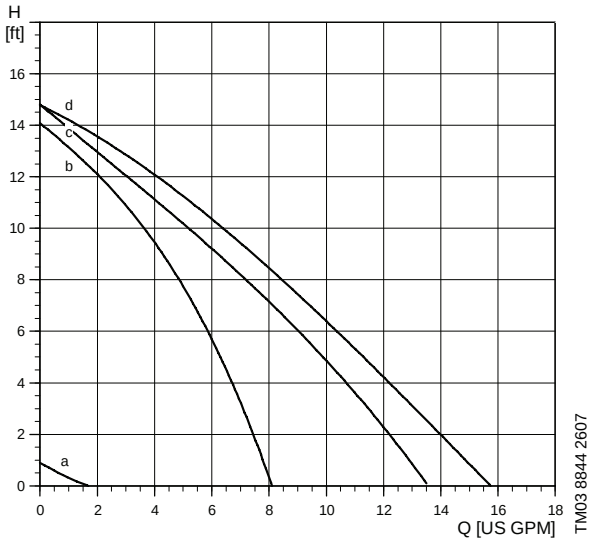


Fig. 4 Family curves for MixiMizer

Position	System type	Description
a	-	Min. curve for all models
b	Open	Max. UP 15-42BUC5
c	Open	Max. UP 15-42BUC7
d	Closed	Max. UP 15-42FC

Variable-speed pump

The Grundfos variable-speed pump is another product with fully integrated control. The variable-speed controller requires a 0-10/2-10 DC or 0-20/4-20 mA control signal, which is user-selectable.

If desired, the manual-% dial allows the speed of the pump to be manually adjusted and set by the user. The speed of the pump may be manually adjusted anywhere from min. to 100 %, but once set, remains fixed at that speed.

In addition, the pump speed may be set as 0-100 % or 15-100 % by user.

The control also provides pump exercising for 10 seconds every 3 days and a power-up reset, which runs the pump for 3 seconds at full speed, for all modes of operation.

LEDs on the terminal box indicate operation (power is applied) and performance (flashes slower or faster).

TM03 9088 3307

Fig. 5 Variable-speed pump

Variable-speed models include the following

- Pump with integrated variable-speed control
- 6-foot line cord
- Two gaskets.

Variable-speed standard features

- Variable-speed output modulation (external or manual control)
- Offset-dial for fine-tuning of the signal input.

Signal type	Signal range
Voltage	0-10 VDC or 2-10 VDC
Current	0-20 mA or 4-20 mA

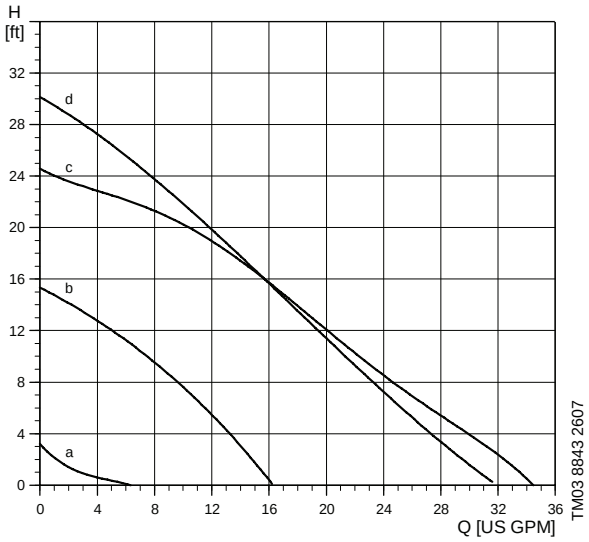


Fig. 6 Family curves for variable-speed pumps

Position	System type	Description
a	-	Min. curve for all models
b	Open	Max. UP 15-42F/VS
c	Open	Max. UP 26-64F/VS
d	Closed	Max. UP 26-96F/VS

Comfort system

The Comfort system uses a patented Comfort valve and pump to provide instant availability of hot water at the point of use.

Operation

The Comfort valve is installed at the furthest fixture from the hot-water tank. With a built-in timer, the pump allows hot water to circulate along the loop through the valve using the cold-water side as a return line. As the temperature rises to 100 °F, the valve closes directing hot water to the tap, resulting in a constant availability of hot water.

Savings

The Comfort system saves up to 16,000 gallons of water per year and per household (based on average modern household usage) and uses less energy than a 25 W light bulb.

Applications

- Domestic hot-water recirculation systems in single- and two-family houses.

Pumped liquids

- Domestic hot water
- Potable and non-potable water
- Softened water.

TM03 9126 3407

Fig. 7 Comfort system

Motor

- Insulation class: F.
- Power consumption: 25 W.
- Voltage: 115 V.
- Current 0.23 A.
- Phase: 1.

Description (UP open systems)	Material
Inlet cone, bearing plate, bearing retainers, rotor can, rotor cladding, shaft retainer	304 stainless steel
Volute retainer (SU & SF models) and stator housing	Aluminium
Shaft, upper and lower radial bearings	Aluminium oxide ceramic
Thrust bearing	Carbon bearing and EPDM retainer
Pump housing (volute)	Silicon bronze C875 or stainless steel 300 series.
O-ring and gaskets	EPDM (ethylene propylene rubber)
Impeller	PES composite (30 % glass-filled)
Terminal box	Noryl® with EPDM gasket

Ambient and liquid temperatures

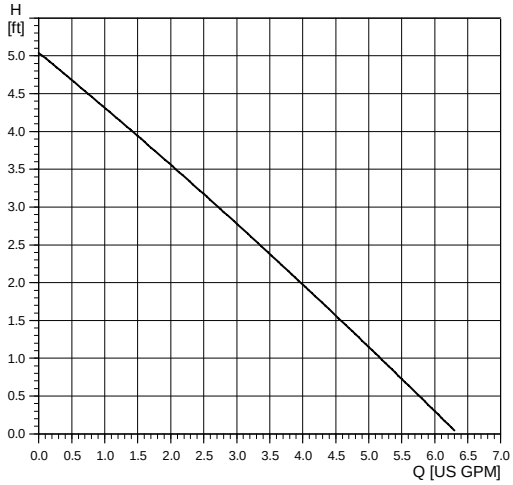
Liquid temperature: 36 °F (2 °C) to 150 °F (66 °C).

It is recommended to keep the operating temperature as low as possible (e.g. 140 °F (60 °C)) to avoid calcium precipitation.

The ambient temperature should always be lower than the liquid temperature, as otherwise condensation may form in the stator housing.

Maximum system pressure

145 psi.



TM03 5547 3806

Fig. 8 Performance curve for the Comfort system

Comfort pump

The water-conduction part of the pump is hermetically separated from the stator with a stainless steel spherical separator. The motor can be separated from the pump housing, enabling easy maintenance and replacement.

Applications

- Domestic hot-water recirculation systems in single- and two-family houses
- Small heating systems.

Pumped liquids

- Domestic hot water
- Non-potable water
- Softened water.

GrA3802 / GrA3803

Fig. 9 Comfort pump

Motor

- Insulation class: F.
- Power consumption: 25 W.
- Voltage: 115 V.
- Phase: 1.

Description	Material
Stator housing	Aluminium
Spherical separator	Stainless steel
Rotor can complete	Stainless steel/tungsten carbide
Rotor, impeller	Stainless steel, EPDM, PPO, PFTE, graphite
Pump housing	Brass MS 58
Isolation valve	PPO
Screw	Stainless steel
Terminal box cover, motor cover	PA66/6
Light	Lexan
Cable, cable relief	PVC
Insulating cover	EPP 55
O-rings	EPDM
Check valve	POM

Ambient and liquid temperatures

Liquid temperature: 36 °F (2 °C) to 203 °F (95 °C).

It is recommended to keep the operating temperature as low as possible (e.g. 140 °F (60 °C)) to avoid calcium precipitation.

The ambient temperature should always be lower than the liquid temperature, as otherwise condensation may form in the stator housing.

Maximum system pressure

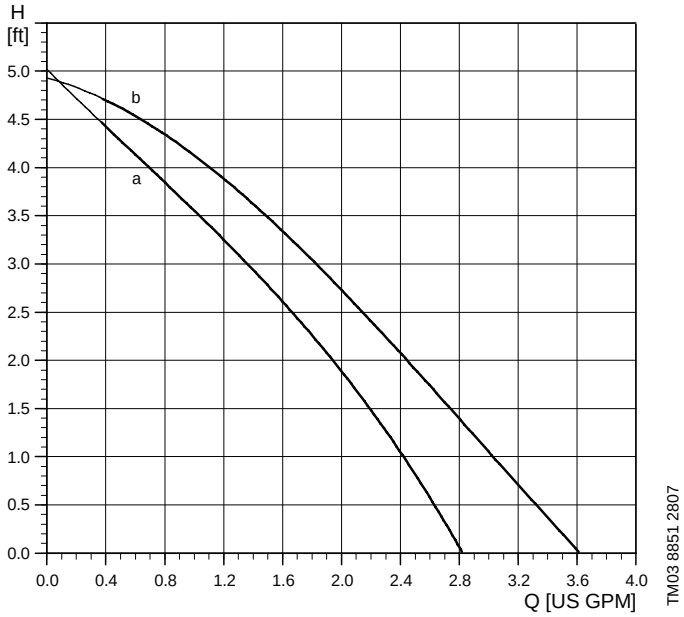
145 psi.

Inlet pressure

To avoid cavitation noise and damage to the pump bearing at high temperatures, the following minimum pressures are required at the pump suction port.

Liquid temperature	203 °F (95 °C)	185 °F (85 °C)
Inlet pressure	9 feet (2.8 m)	1.6 feet (0.5 m)
	4.0 psi	0.7 psi

UP 10 Comfort Pump

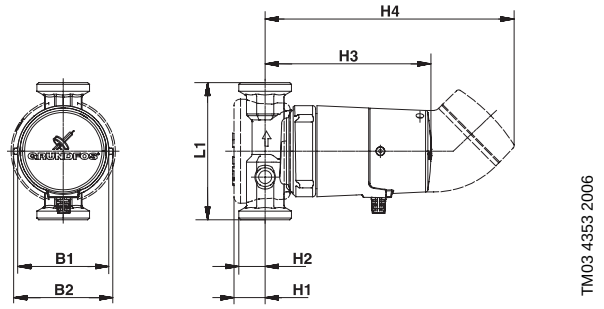


Flow range:	0-3.5 U.S. gpm
Head range:	0-5.4 feet
Motors:	Single-phase
Max. liquid temperature:	203 °F (95 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

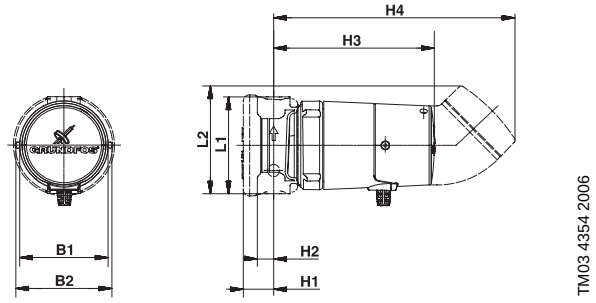
Model	Volts	Amps	Watts	Hp	Capacitor
UP 10-16B5/BN5	115	0.23	25	-	-

Position	System type	Description
a	Open	UP 10-16B5
b	Open	UP 10-16BN5

UP 10-16BU

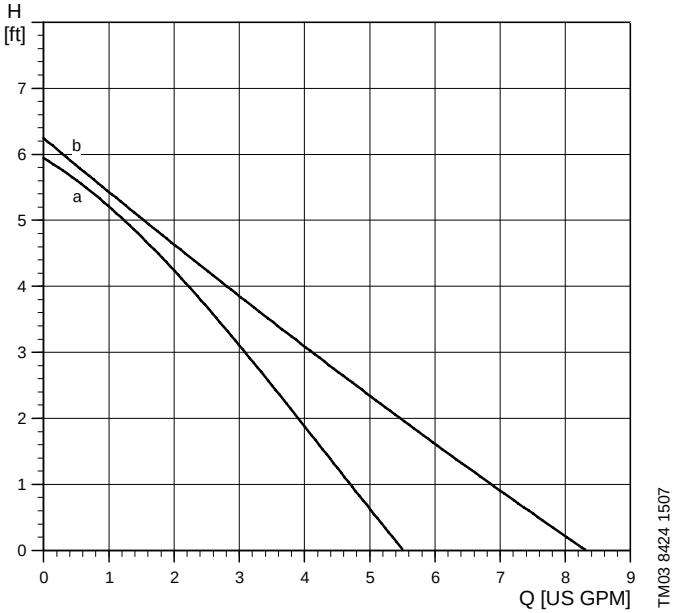


UP 10-16B5/BN5



Model type	Product number	L1	L2	H1	H2	H3	H4	B1	B2	Connection	Shipping weight lbs
UP 10-16B5/LC	96433894	3 1/8		1	1/2	5 1/4		3	3 1/3	1/2" sweat	2.9
UP 10-16B5/TLC	96433895	3 1/8	3 1/2	1	1/2		8 1/16	3	3 1/3	1/2" sweat	3.4
UP 10-16B5/ATLC	96433896	3 1/8	3 1/2	1	1/2		8 1/16	3	3 1/3	1/2" sweat	3.4
UP 10-16BN5/LC	96433897	3 1/8		1	1/2	5 1/4		3	3 1/3	1/2" F NPT	2.9
UP 10-16BN5/TLC	96433898	3 1/8	3 1/2	1	1/2		8 1/16	3	3 1/3	1/2" F NPT	3.4
UP 10-16BN5/ATLC	96433899	3 1/8	3 1/2	1	1/2		8 1/16	3	3 1/3	1/2" F NPT	3.4
UP 10-16BU/ATLC	96433902	4 1/3		1	7/8		8 1/16	3	3 1/3	GF 125 union - 1 1/4" NPSM	3.8

UP 15



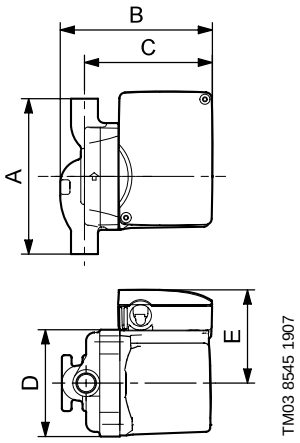
Flow range:	0-8.2 U.S. gpm
Head range:	0-6.2 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	220 °F (104 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

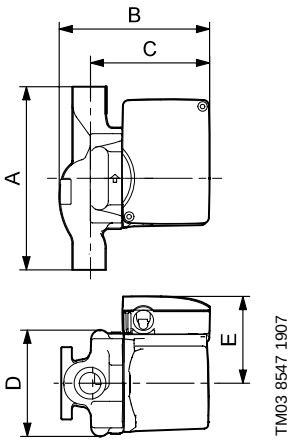
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-10B5 and B7	115	0.22	25	1/25	2µF/400 V

Position	System type	Description
a	Open	UP 15-10B5
b	Open	UP 15-10B7

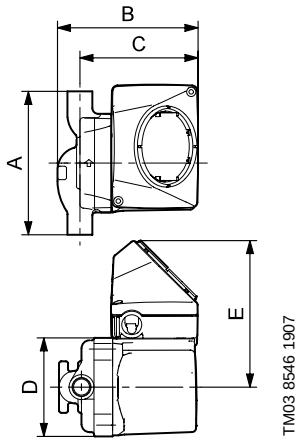
UP 15-10B5 and UP 15-10B5/LC



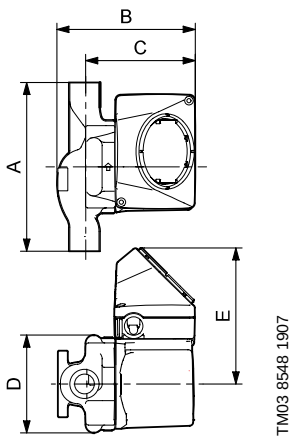
UP 15-10B7 and UP 15-10B7/LC



UP 15-10B5/TLC

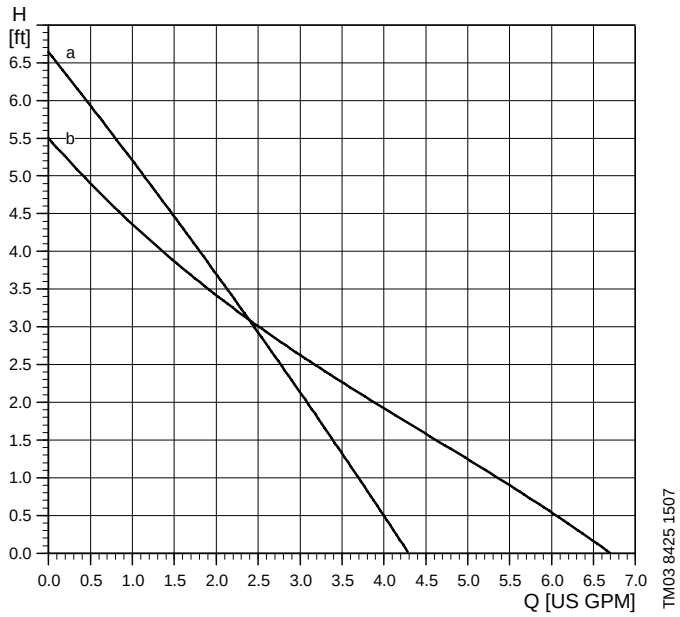


UP 15-10B7/TLC



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-10B5	59896213	5	4 11/16	4	4	3 1/2	-	1/2" sweat	6
UP 15-10B5/LC	59896214	5	6 3/16	5 1/2	4	3 1/2	4	1/2" sweat	6.5
UP 15-10B5/TLC	59896215	5	6 3/16	5 1/2	4	3 1/2	4	1/2" sweat	6.5
UP 15-10B7	59896226	6 3/8	5 1/8	4	3 13/16	3 1/4	-	3/4" sweat	6.7
UP 15-10B7/LC	59896209	6 3/8	6 5/8	5 1/2	3 13/16	3 1/4	4	3/4" sweat	7.5
UP 15-10B7/TLC	59896210	6 3/8	6 5/8	5 1/2	3 13/16	3 1/4	4	3/4" sweat	7.5

Note: LC/TLC models have a 6-foot 3-prong power cord.



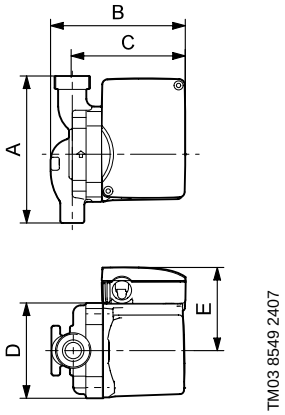
Flow range:	0-6.6 U.S. gpm
Head range:	0-6.6 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

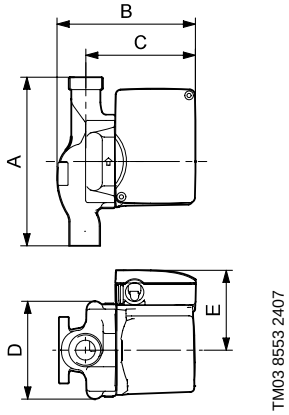
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-10BUC5/BUC7	115	0.22	25	1/25	2µF/400 V

Position	System type	Description
a	Open	UP 15-10BUC5
b	Open	UP 15-10BUC7

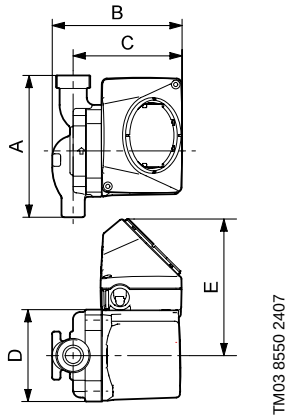
UP 15-10BUC5 and UP 15-10BUC5/LC



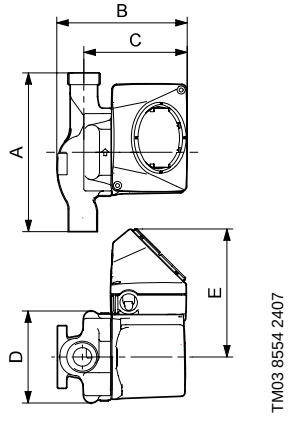
UP 15-10BUC7 and UP 15-10BUC7/LC



UP 15-10BUC5/TLC

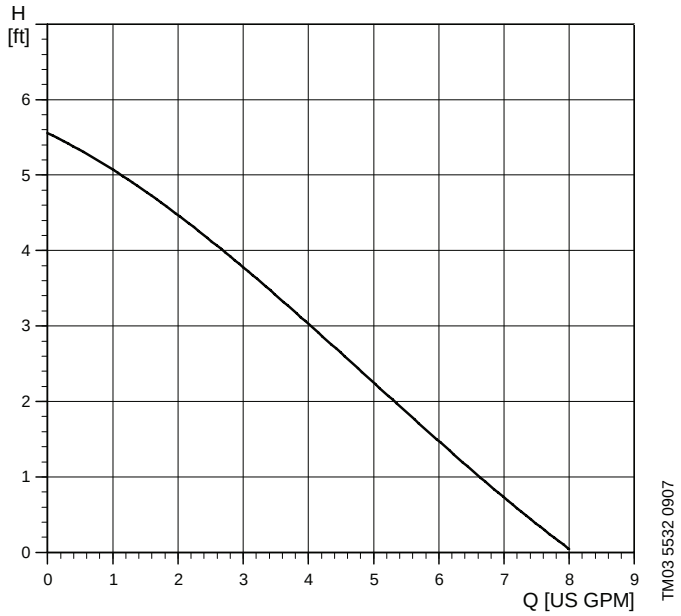


UP 15-10BUC7/TLC



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-10BUC5	59896225	6 1/2	5 1/4	4	3 1/5	3 1/4	-	1/2" sweat	7.25 lbs
UP 15-10BUC5/LC	59896237	6 1/2	6 3/4	5 1/2	3 3/16	3 1/4	4	1/2" sweat	7.7
UP 15-10BUC5/TLC	59896238	6 1/2	6 3/4	5 1/2	3 3/16	3 1/4	4	1/2" sweat	7.7
UP 15-10BUC7	59896241	7 3/4	5 1/4	4	3 3/4	3 1/4	-	3/4" sweat	8.0 lbs
UP 15-10BUC7/LC	59896239	7 3/4	6 3/4	5 1/2	3 3/4	3 1/4	4	3/4" sweat	8.5
UP 15-10BUC7/TLC	59896240	7 3/4	6 3/4	5 1/2	3 3/4	3 1/4	4	3/4" sweat	8.5

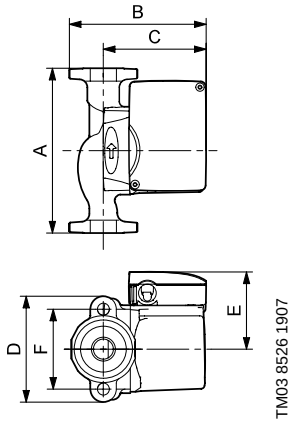
Note: LC/TLC Models have 6-foot 3-prong power cord.



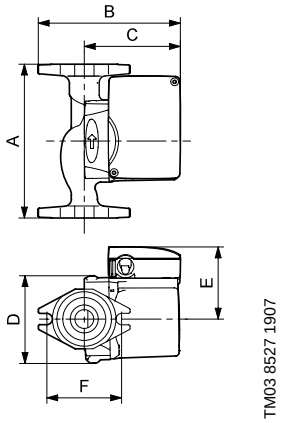
Flow range:	0-8.0 U.S. gpm
Head range:	0-5.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-10F/FR	115	0.23	25	1/25	2µF/400 V

UP 15-10F

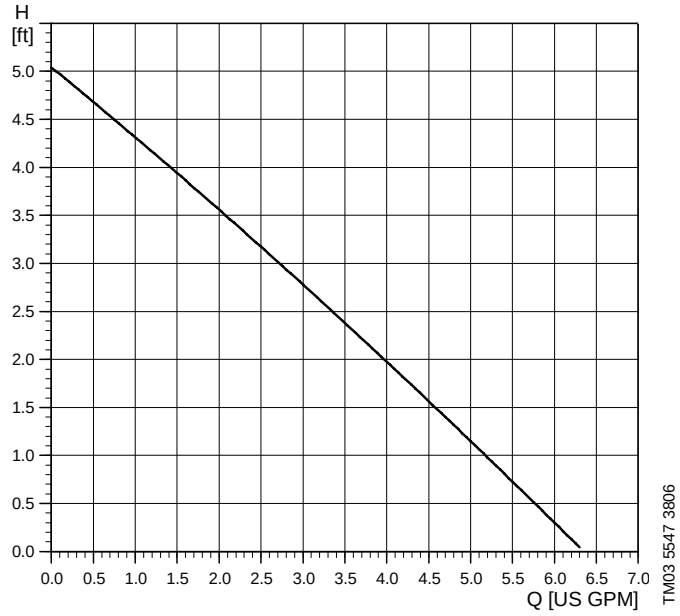


UP 15-10FR



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-10F	59896248	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	7 1/4
UP 15-10FR	59896249	6 1/2	5 15/16	4	3 3/4	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	7 1/4

Comfort system



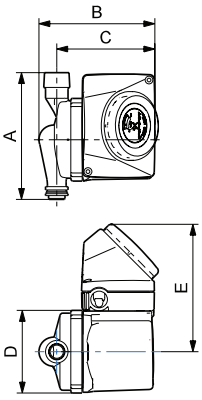
Flow range:	0-6.3 U.S. gpm
Head range:	0-5.1 feet
Motors:	Single-phase
Max. liquid temperature:	150 °F (66 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Open system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-10SU7P/TLC	115	0.23	25	1/25	2µF/400 V

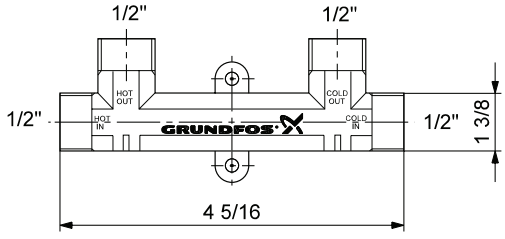
Approvals

- ANSI/NSF61
- IAPMO
- UPC
- UL.

UP 15-10SU7P/TLC



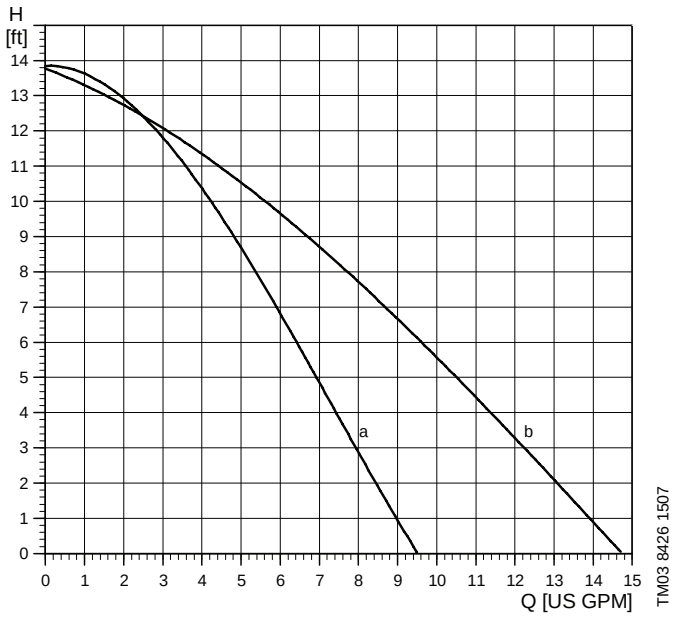
Comfort valve



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-10SU7P/TLC	595916	5 7/16	6 1/4	5 1/2	3 7/16	3 1/4	4	3/4" M x 3/4" F NPT	5 1/2 lbs
Comfort valve	595926							1/2" M NPS (1/2" faucet)	2.8 lbs
Flex hose kit	599390							(2) 1/2"FIP x 1/2"FIP	-

Model type	Product number	Description
Comfort valves	595926	Box of 15 pieces
Comfort series kit	595916	1 pump and 1 valve, (2) 1/2" FNPS X 1/2" FNPS X 12" stainless steel flex hoses

Note: All models have a 10-foot 3-prong power cord.



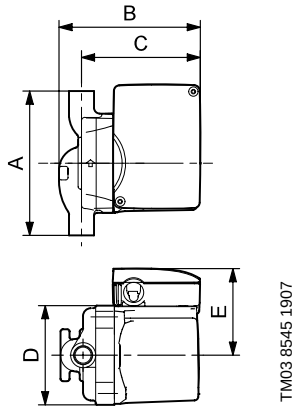
Flow range:	0-14.7 U.S. gpm
Head range:	0-13.9 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

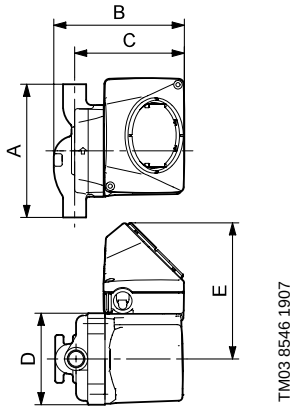
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-18B5	115	0.74	85	1/25	10µF/180 V
	230	0.4	90	1/25	2µF/400 V
UP 15-18B7	115	0.74	85	1/25	10µF/180 V
	230	0.4	96	1/25	2µF/400 V

Position	System type	Description
a	Open	UP 15-18B5
b	Open	UP 15-18B7

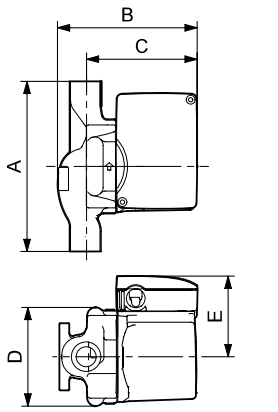
UP 15-18B5/LC



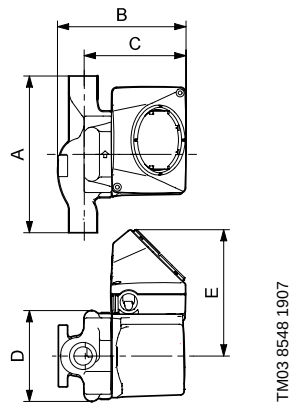
UP 15-18B5/TLC



UP 15-18B7/LC

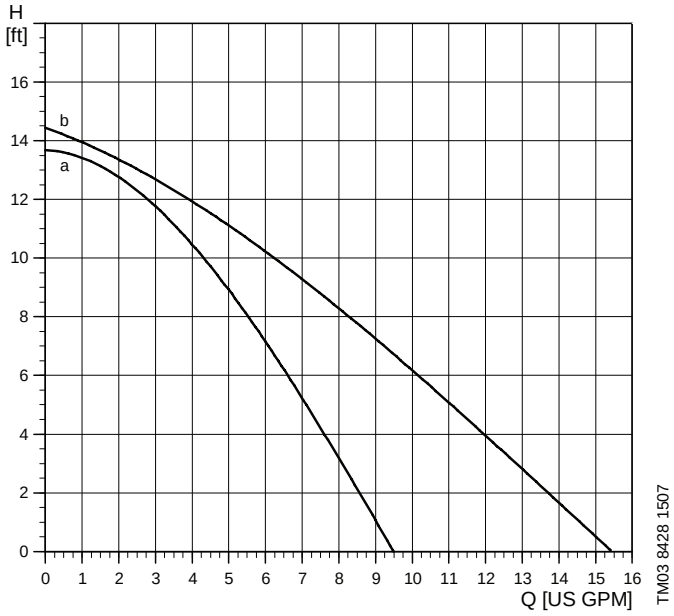


UP 15-18B7/TLC



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 15-18B5	59896114	59896118	5	4 11/16	4	3 1/2	3 1/4	-	1/2" sweat	6
UP 15-18B5/LC	59896211	-	5	6 3/16	5 1/2	3 1/2	3 1/4	4	1/2" sweat	6.5
UP 15-18B5/TLC	59896212	-	5	6 3/16	5 1/2	3 1/2	3 1/4	4	1/2" sweat	6.5
UP 15-18B7	59896121	59896119	6 3/8	5 1/8	4	3 4/5	3 1/4	-	3/4" sweat	6.7
UP 15-18B7/LC	59896229	-	6 3/8	6 5/8	5 1/2	3 4/5	3 1/4	4	3/4" sweat	7.2
UP 15-18B7/TLC	59896230	-	6 3/8	6 5/8	5 1/2	3 4/5	3 1/4	4	3/4" sweat	7.2

Note: LC/TLC Models have 6-foot 3-prong power cord.

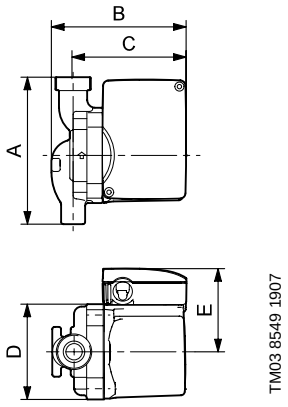


Flow range:	0-14.7 U.S. gpm
Head range:	0-14.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

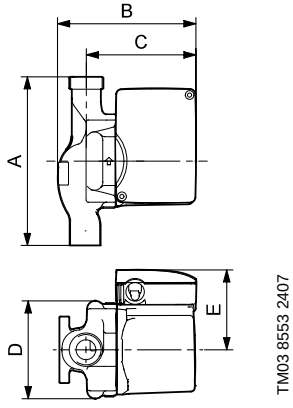
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-18BUC5	115	0.55	60	1/25	8µF/180 V
UP 15-18BUC7	115	0.55	60	1/25	8µF/180 V

Position	System type	Description
a	Open	UP 15-18BUC5
b	Open	UP 15-18BUC7

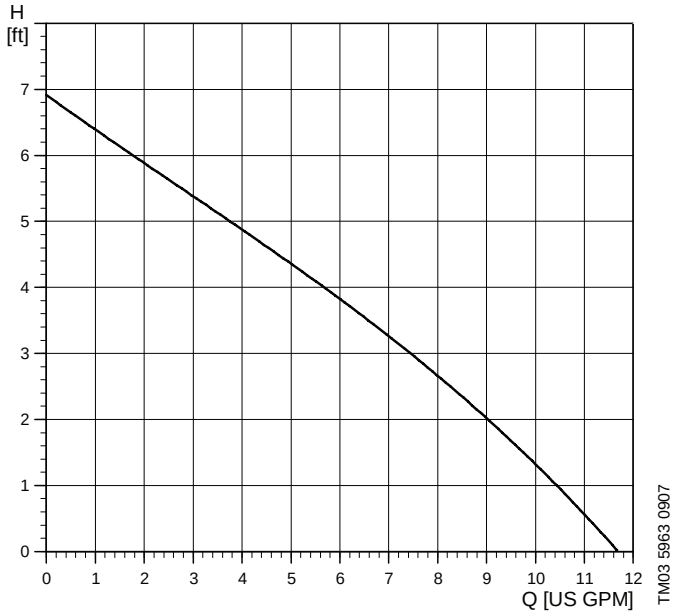
UP 15-18BUC5



UP 15-18BUC7



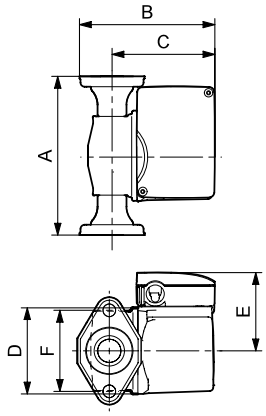
Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-18BUC5	59896123	6 1/2	5 1/4	4	3 3/16	3 1/4	-	1/2" sweat	7 1/4 lbs
UP 15-18BUC7	59896124	7 3/4	5 1/4	4	3 3/4	3 1/4	-	3/4" sweat	8 lbs



Flow range:	0-12 U.S. gpm
Head range:	0-7 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Open system	

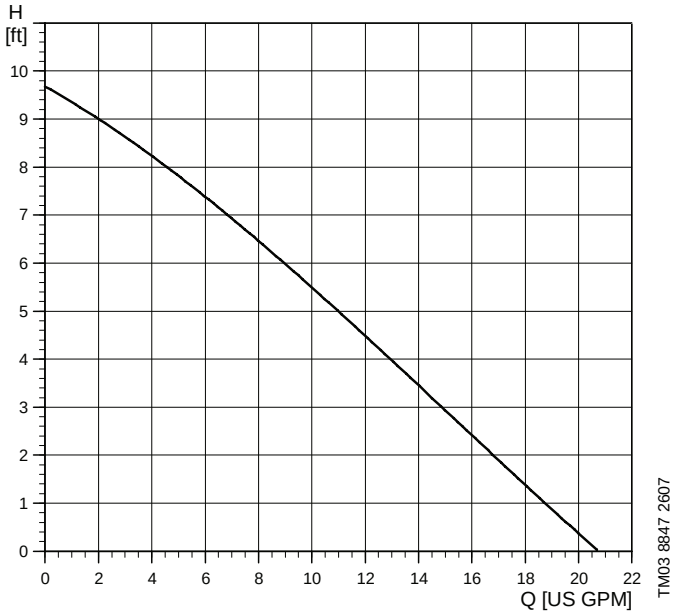
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-18SF	230	0.4	90	1/25	2µF/400 V

UP 15-18SF



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-18SF	59896126	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	6

Technical data

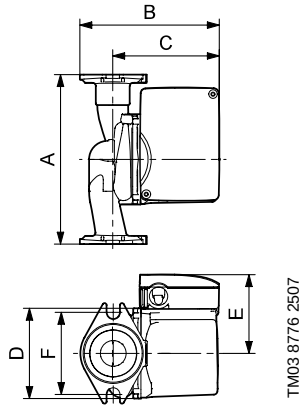


Flow range:	0-20.5 U.S. gpm
Head range:	0-9.7 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C) and 150 °F for UP 15-29SU/TLC
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Open system	

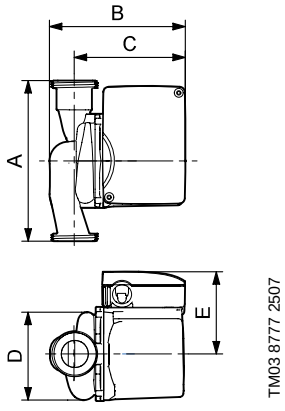
Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-29SF	115	0.75	87	0.12	10µF/180 V
UP 15-29SUC		0.75	87	0.12	10µF/180 V
UP 15-29SU	230	0.42	97	0.15	2µF/400 V

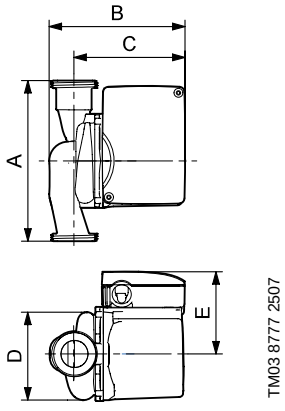
UP 15-29SF



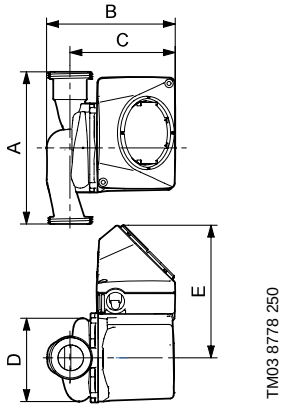
UP 15-29SU



UP 15-29SU/LC

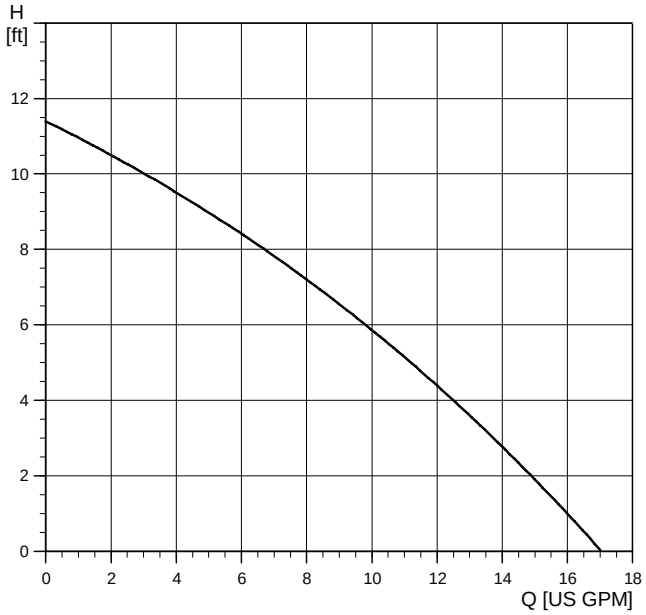


UP 15-29SU/TLC



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 15-29SF	59896771	-	6 8/16	5 8/16	4 2/16	3 14/16	2 15/16	3 2/16	GF15/26	6
UP 15-29SU	59896775	59896784	5 14/16	5 8/16	4 2/16	3 7/16	2 15/16	-	GU125	5.4
UP 15-29SU/LC	59896776	-	5 14/16	5 8/16	4 2/16	3 7/16	2 15/16	-	GU125	5.7
UP 15-29SUC/TLC	59896777	-	5 14/16	5 8/16	4 2/16	3 7/16	2 15/16	-	GU125	6.2

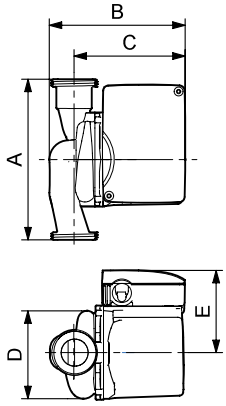
Note: The UP 15-29SUC/TLC model has a removable check valve.
LC/TLC Models have 6-foot 3-prong power cord.



Flow range:	0-17.5 U.S. gpm
Head range:	0-11.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Open system	

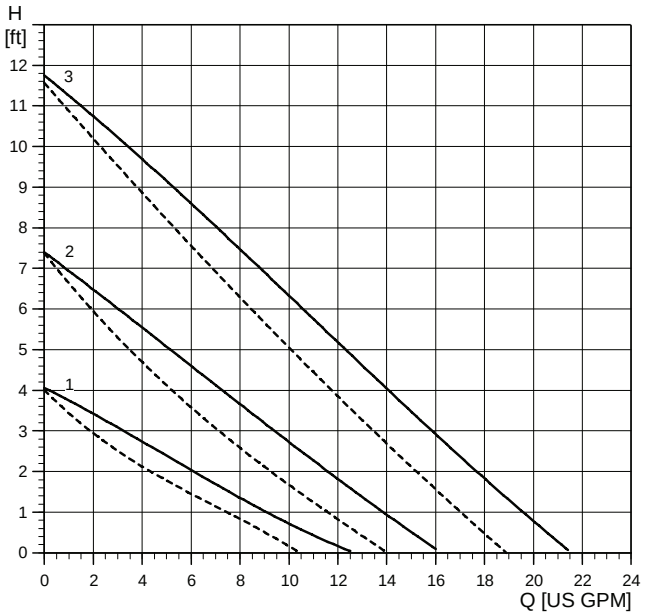
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-35SUC	230	0.42	114	0.15	2µF/400 V

UP 15-35SUC



Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-35SUC	59896785	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	5.4

Super Brute



TM03 8850 2607

Flow range:	0-21.5 U.S. gpm
Head range:	0-12 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	165 °F (74 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

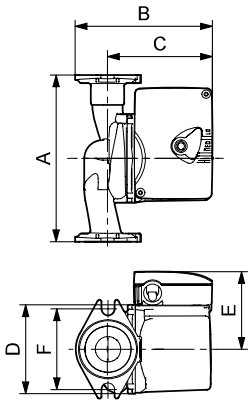
Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 15-35SUC/SFC	3	115	0.95	110	0.15	10µF/180 V
	2		0.75	85	0.11	
	1		0.06	61	0.08	

———	Without check valve
- - - -	With check valve

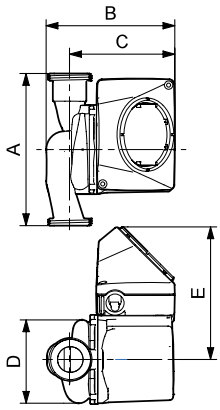
Position	System type	Description
3	Open	High speed
2	Open	Medium speed
1	Open	Low speed

UPS 15-35SFC



TM03 8779 2507

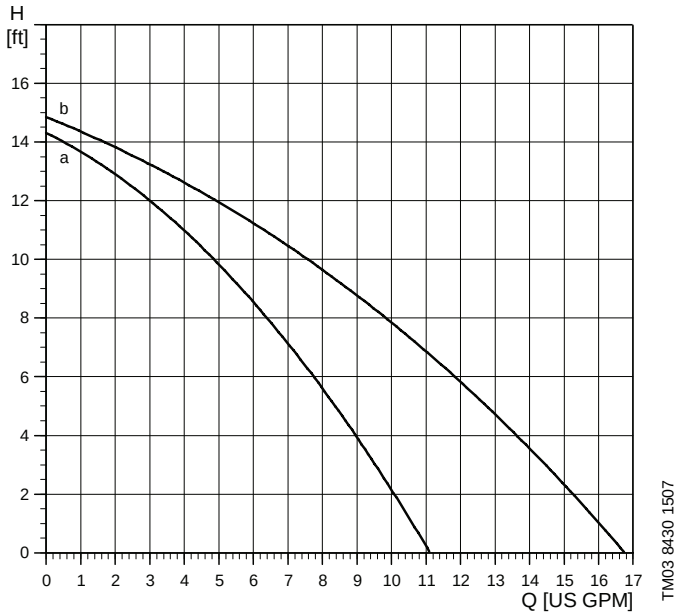
UPS 15-35SUC/TLC



TM03 8778 2507

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UPS 15-35SFC	59896772	6 8/16	5 8/16	4 2/16	3 14/16	2 15/16	3 2/16	GF15/26	6
UPS 15-35SUC	59896778	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	5.4
UPS 15-35SUC/TLC	59896780	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	6.2

Note: LC/TLC Models have 6-foot 3-prong power cord. Removable check valve.



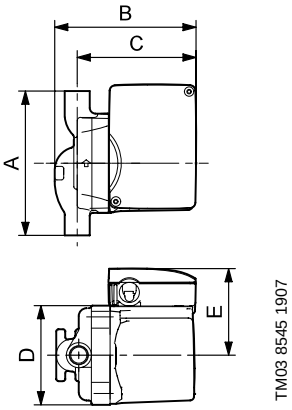
Flow range:	0-17 U.S. gpm
Head range:	0-15 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

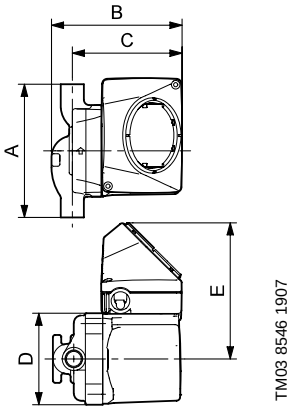
Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42 B5	115	0.74	85	1/25	10µF/180 V
	230	0.41	95	1/25	2µF/400 V
UP 15-42 B7	115	0.74	85	1/25	10µF/180 V
	230	0.41	95	1/25	2µF/400 V

Position	System type	Description
a	Open	UP 15-18B5
b	Open	UP 15-18B7

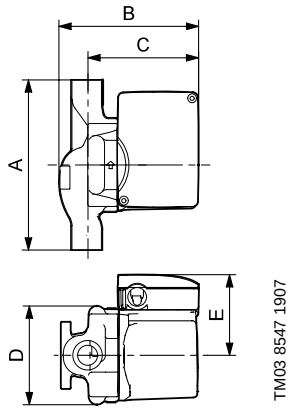
UP 15-42B5/LC and B7



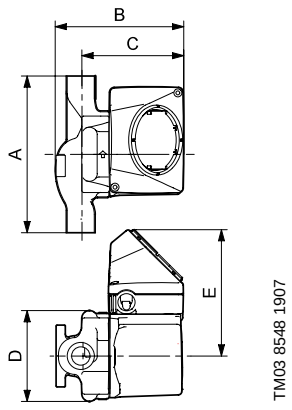
UP 15-42B5/TLC



UP 15-42B7/LC

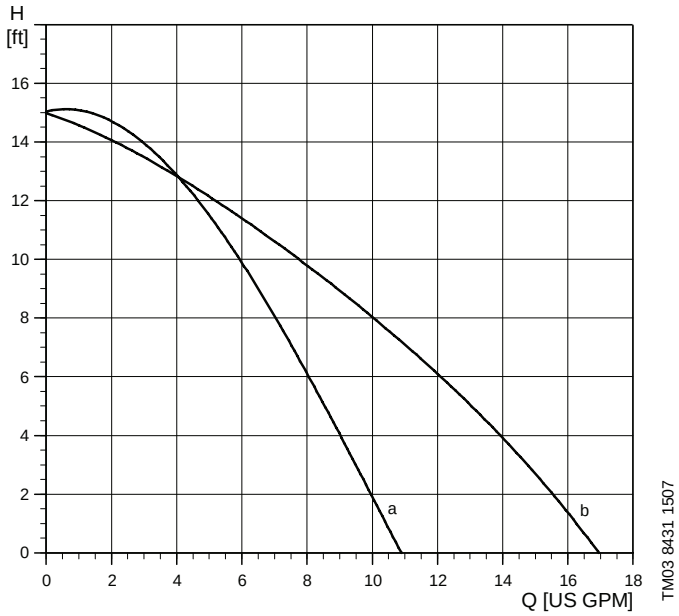


UP 15-42B7/TLC



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 15-42 B5	59896145	59896142	5	4 11/16	4	3 1/2	3 1/4	-	1/2" sweat	6.0
UP 15-42 B5/LC	59896233	-	5	6 3/16	5 1/2	3 1/2	3 1/4	-	1/2" sweat	6.5
UP 15-42 B5/TLC	59896234	-	5	6 3/16	5 1/2	3 1/2	3 1/4	-	1/2" sweat	6.5
UP 15-42 B7	59896146	59896149	6 3/8	5 1/8	4	3 4/5	3 1/4	-	3/4" sweat	6.7
UP 15-42 B7/LC	59896235	-	6 3/8	6 5/8	5 1/2	3 4/5	3 1/4	-	3/4" sweat	7.2
UP 15-42 B7/TLC	59896236	-	6 3/8	6 5/8	5 1/2	3 4/5	3 1/4	-	3/4" sweat	7.2

Note: LC/TLC Models have 6-foot 3-prong power cord.

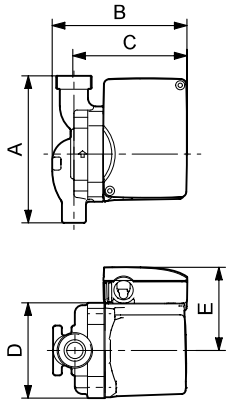


Flow range:	0-17 U.S. gpm
Head range:	0-15 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42BUC5	115	0.74	85	1/25	10µF/180 V
UP 15-42BUC7	115	0.74	85	1/25	10µF/180 V

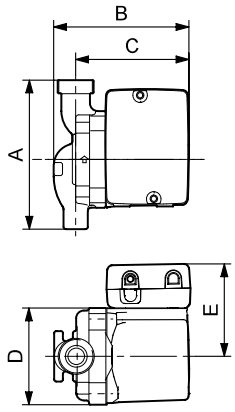
Position	System type	Description
a	Open	UP 15-42BUC5
b	Open	UP 15-42BUC7

UP 15-42BUC5



TM03 8549 1907

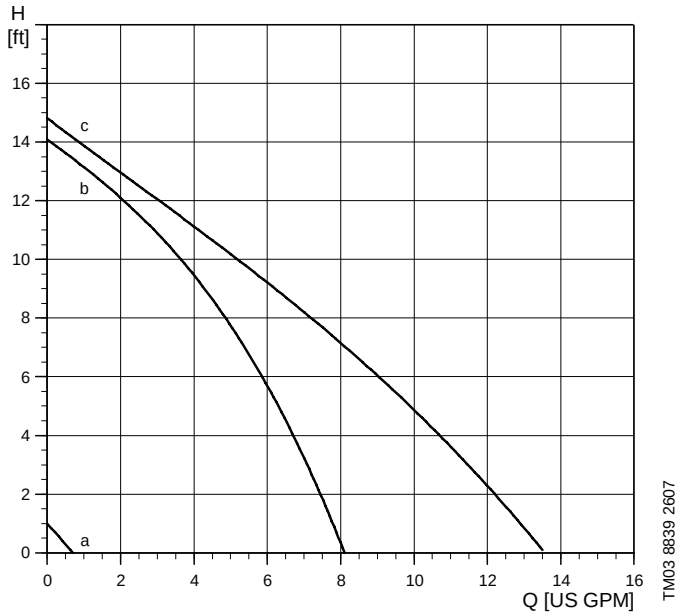
UP 15-42BUC7



TM03 8753 2407

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-42BUC5	59896150	6 1/2	5 1/4	4	3 3/16	3 1/4	-	1/2" sweat	6 1/2
UP 15-42BUC7	59896151	7 3/4	5 1/4	4	3 3/4	3 1/4	-	3/4" sweat	6 3/4

MixiMizer

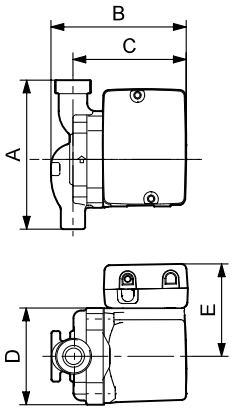


Flow range:	0-13.5 U.S. gpm
Head range:	0-15 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42 BUC5/MR	115	0.74	85	1/25	10µF/180 V
UP 15-42 BUC7/MR	115	0.74	85	1/25	10µF/180 V

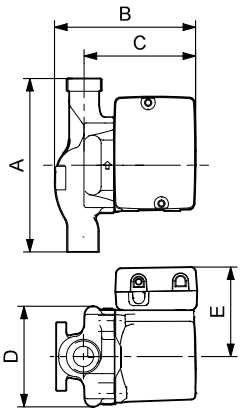
Position	System type	Description
a	Open	Min curve for both models
b	Open	Max. UP 15-42BUC5
c	Open	Max. UP 15-18BUC7

UP 15-42BUC5/MR



TM03 8755 2407

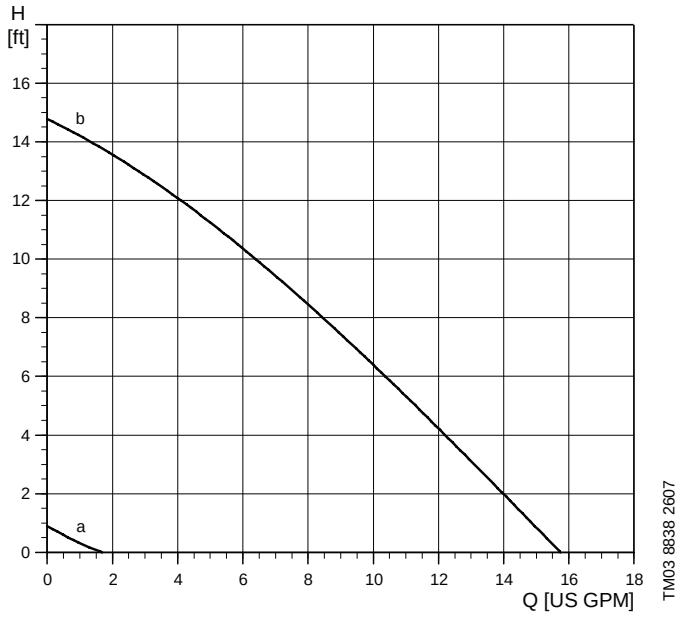
UP 15-42BUC7/MR



TM03 8756 2407

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-42 BUC5/MR	59896285	6 1/2	5 1/4	4	3 3/16	3 1/4	-	1/2" sweat	6 1/2
UP 15-42 BUC7/MR	59896286	7 3/4	5 1/4	4	3 3/4	3 1/4	-	3/4" sweat	6 3/4

MixiMizer



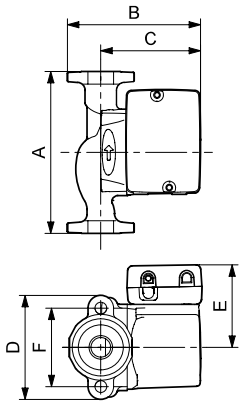
TM03 8838 2607

Flow range:	0-16 U.S. gpm
Head range:	0-15 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42FC/MR	115	0.74	85	1/25	10µF/180 V

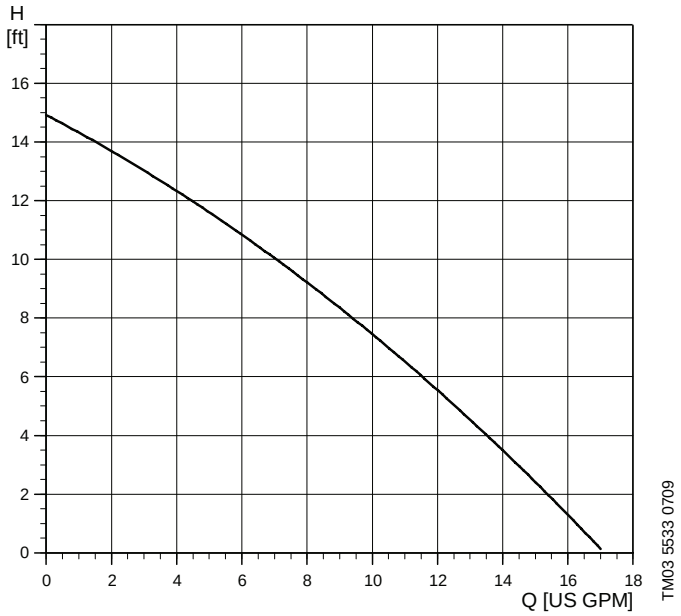
Position	System type	Description
a	Closed	Min. curve
b	Closed	Max. UP 15-42FC/MR

UP 15-42FC/MR



TM03 8528 1907

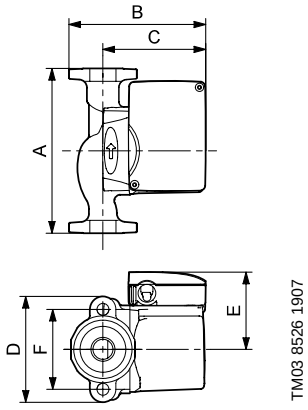
Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-42FC/MR	59896277	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	7 1/2



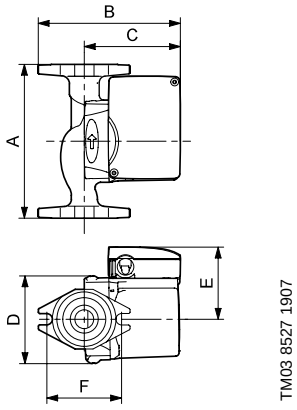
Flow range:	0-17 U.S. gpm
Head range:	0-15 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42 F/FR	115	0.74	85	1/25	10µF/180 V
	230	0.43	95	1/25	2µF/400 V

UP 15-42F

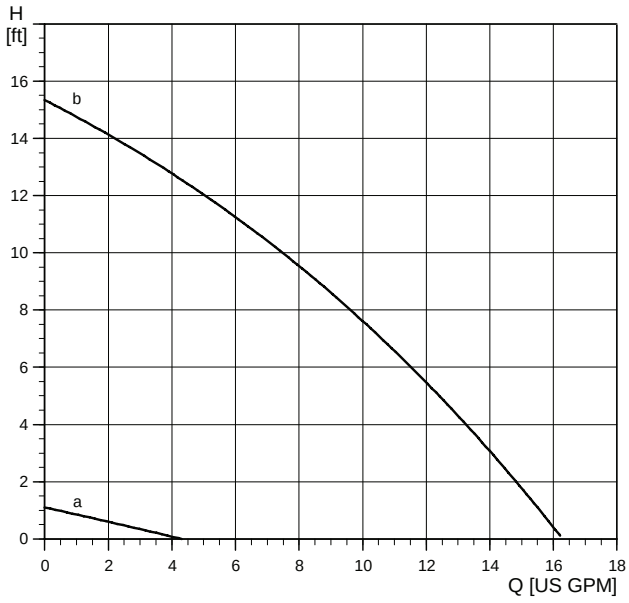


UP 15-42FR



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 15-42F	59896155	59896173	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	7 1/4
UP 15-42FR	59896167	59896274		5 15/16		3 3/4				

Variable Speed



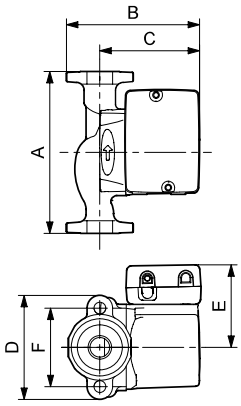
TM03 8840 0907

Flow range:	0-16 U.S. gpm
Head range:	0-15.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-42 F/FV	115	0.74	85	1/25	10µF/180 V

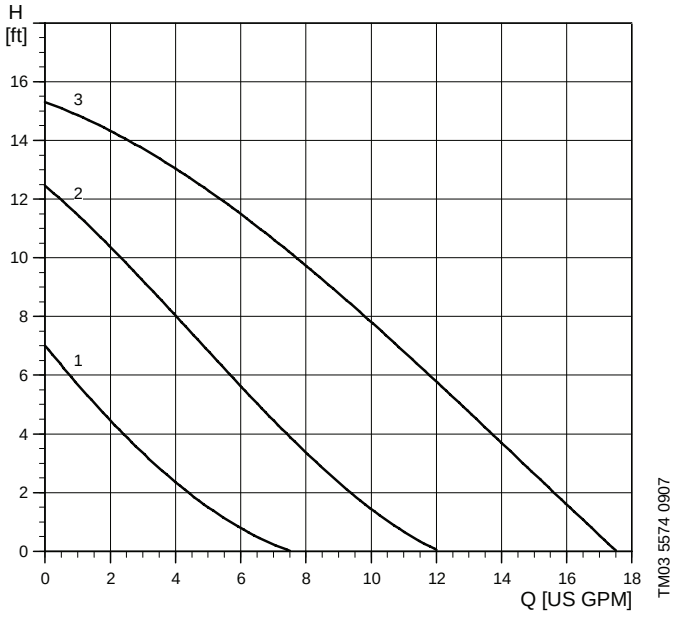
Position	System type	Description
a	Closed	Min. curve
b	Closed	Max. UP 15-42F/VS

UP 15-42F/VS



TM03 8528 1907

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-42F/VS	59896280	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt holes	7 1/2



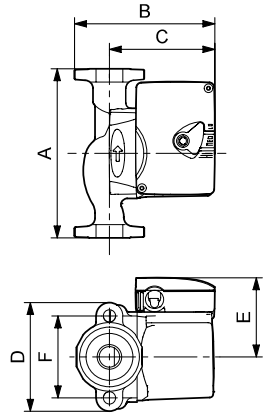
TM03 5574 0907

Flow range:	0-17.5 U.S. gpm
Head range:	0-15.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 15-42F/FR	3	115	0.74	85	1/25	10µF/180 V
	2		0.57	65	-	-
	1		0.4	45	-	-
UPS 15-42F	3	230	0.41	92	1/25	2µF/400 V
	2		0.19	40	-	-
	1		0.14	30	-	-

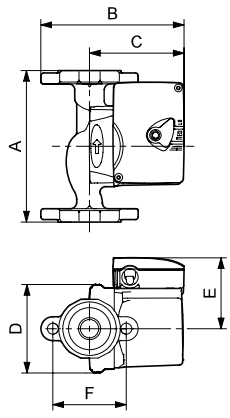
Position	System type	Description
1	Closed	Low speed
2	Closed	Medium speed
3	Closed	High speed

UPS 15-42F



TM03 8757 2407

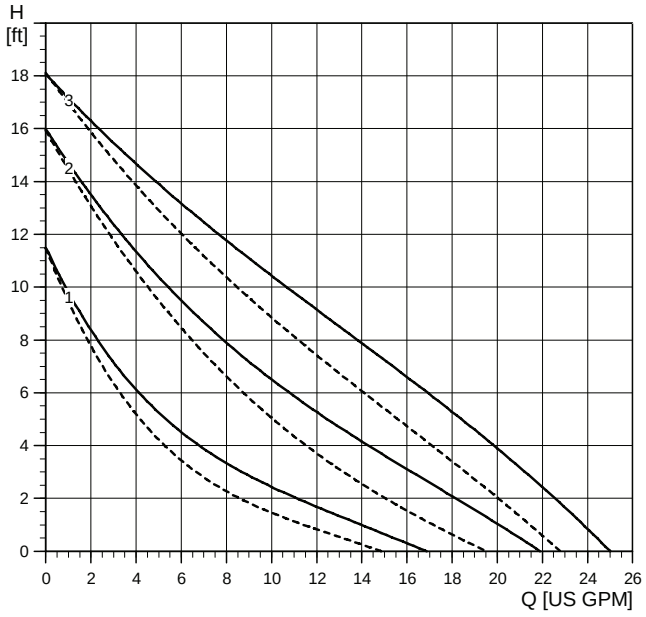
UPS 15-42FR



TM03 9035 2407

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UPS 15-42F	59896315	59896180	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	7 1/4
UPS 15-42FR	59896250	-	6 1/2	5 15/16	4	3 3/4	3 1/4	3 5/32		7 1/4

Super Brute



TM03 8849 2607

Flow range:	0-25 U.S. gpm
Head range:	0-18 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

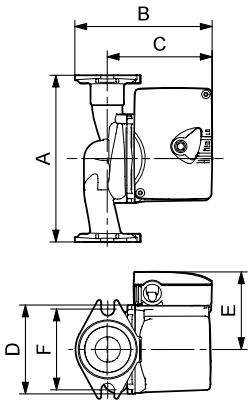
Note: If the UP pump is equipped with a timer, the maximum liquid temperature is 150 °F (66 °C).

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 15-55SFC	3	115	0.75	87	0.12	10µF/180 V
	2		0.69	77	0.1	10µF/180 V
	1		0.53	58	0.08	10µF/180 V
UPS 15-55SUC	3	115	0.69	87	0.12	10µF/180 V
	2		0.66	74	0.1	10µF/180 V
	1		0.31	56	0.08	10µF/180 V

———	Without check valve
- - - -	With check valve

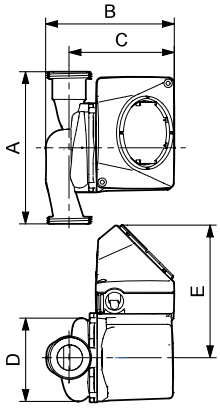
Position	System type	Description
3	Open	High speed
2	Open	Medium speed
1	Open	Low speed

UPS 15-55SFC



TM03 8779 2507

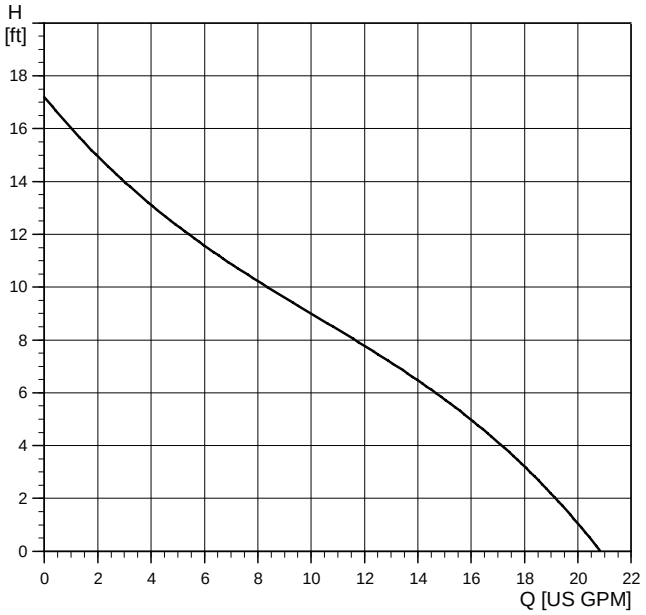
UPS 15-55SUC/TLC



TM03 8778 2507

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UPS 15-55SFC	59896773	6 8/16	5 8/16	4 2/16	3 14/16	2 15/16	3 2/16	GF15/26	6
UPS 15-55SUC	59896781	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	5.4
UPS 15-55SUC/TLC	59896783	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	6.2

Note: LC/TLC Models have 6-foot 3-prong power cord. Removable check valve.

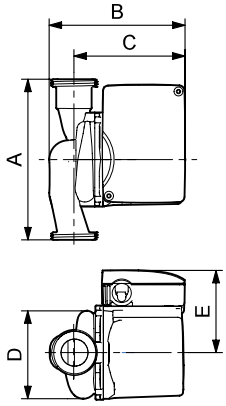


TM03 8845 2607

Flow range:	0-21.5 U.S. gpm
Head range:	0-17 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-55SUC	230	0.42	97	0.13	2µF/400 V

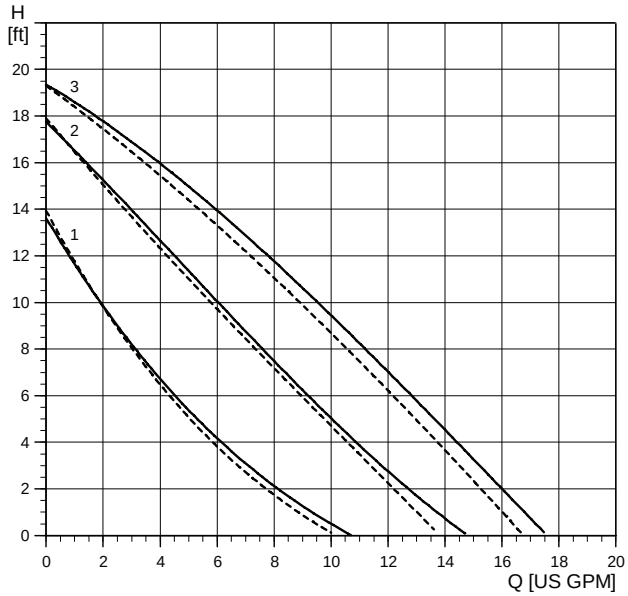
UP 15-55SUC



TM03 8777 2507

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-55SUC	59896786	5 14/16	5 1/16	4 2/16	3 7/16	2 15/16	-	GU125	5.4

Super Brute



TM03 5535 0907

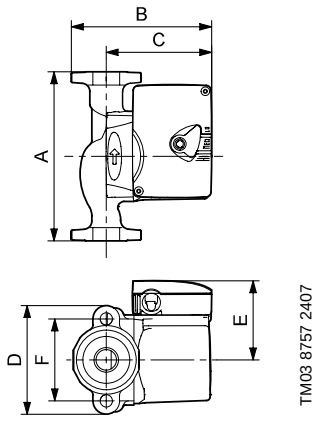
Flow range:	0-17 U.S. gpm
Head range:	0-19.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 15-58FC/FRC	3	115	0.75	87	1/25	10µF/180 V
	2		0.66	80	1/25	10µF/180 V
	1		0.55	60	1/25	10µF/180 V

———	Without check valve
- - - -	With check valve

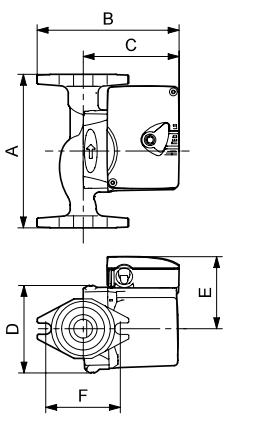
Position	System type	Description
3	Closed	High speed
2	Closed	Medium speed
1	Closed	Low speed

UPS 15-58FC



TM03 8757 2407

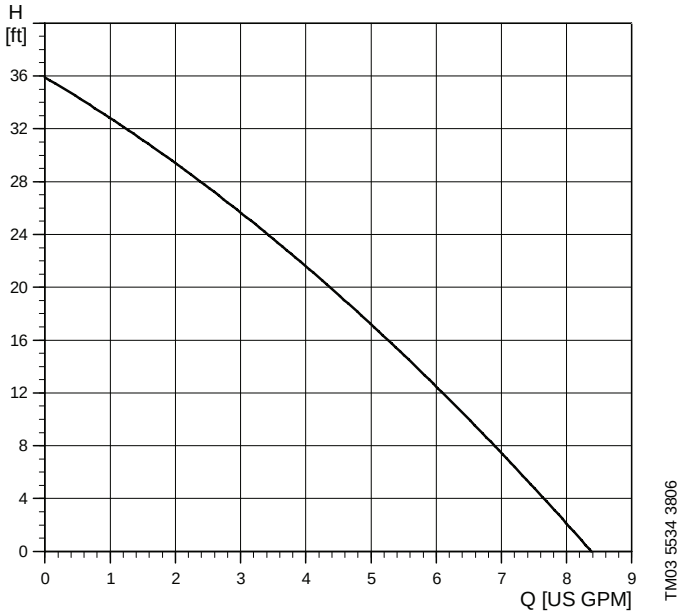
UPS 15-58FRC



TM03 8531 1907

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UPS 15-58FC	59896341	6 1/2	5 1/4	4	4 3/16	3	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	7 1/4
UPS 15-58FRC	59896343	6 1/2	5 1/4	4	4 3/16	3	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	7 1/4

Note: The check valve can be removed.

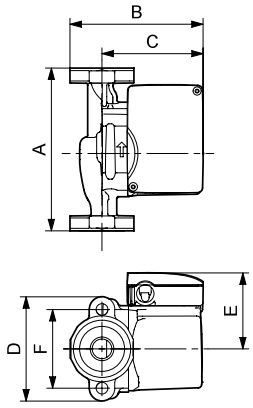


TM03 5534 3806

Flow range:	0-8.4 U.S. gpm
Head range:	0-36 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 15-100F	115	1.1	135	1/25	12µF/180 V

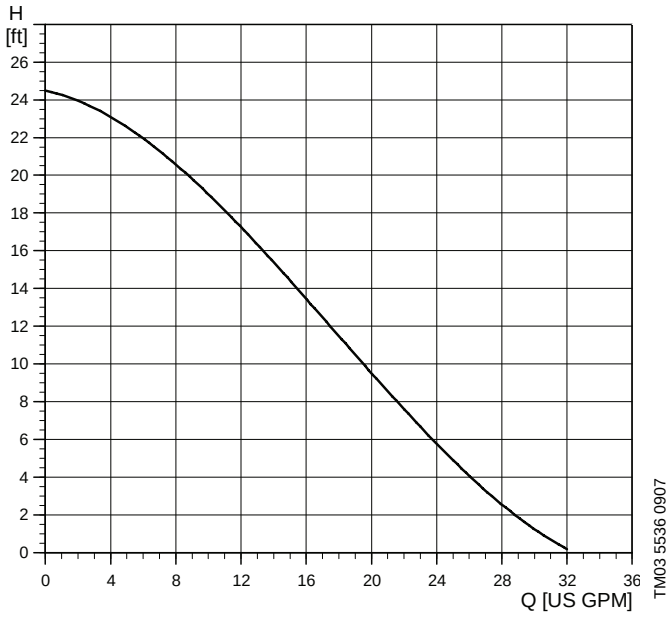
UP 15-100F



TM03 8530 1907

Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 15-100F	59896300	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	7 1/4

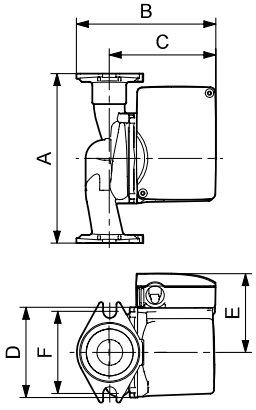
UP 26



Flow range:	0-32 U.S. gpm
Head range:	0-24.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system	

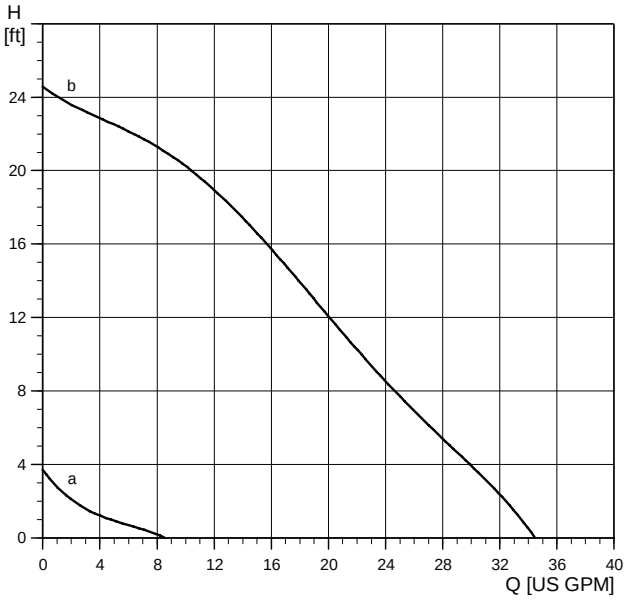
Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-64F	115	1.7	185	1/12	8µF/180 V
	230	0.8	175	1/12	2.5µF/380 V

UP 26-64F



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 26-64F	52722341	52722327	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	11 1/4

Variable Speed



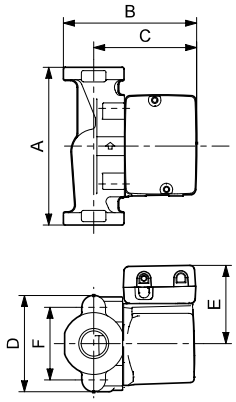
TM03 8841 2607

Flow range:	0-34 U.S. gpm
Head range:	0-24.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	205 °F (96 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-64F/VS	115	1.7	185	1/12	8µF/180 V

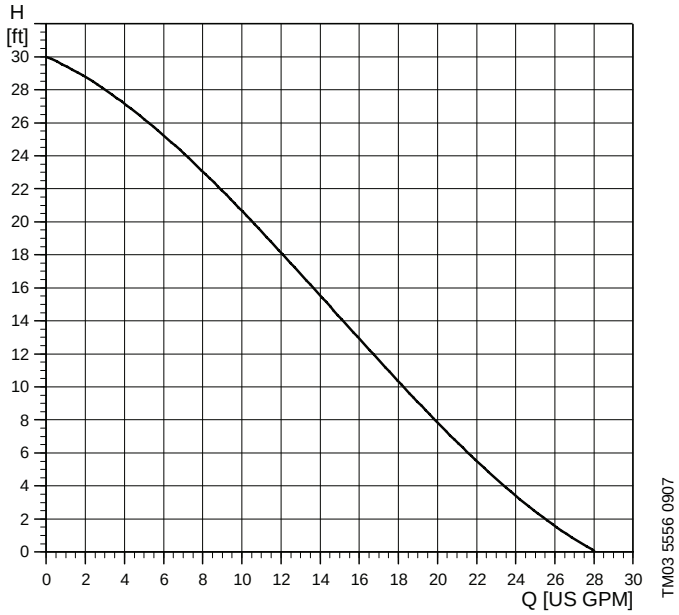
Position	System type	Description
a	Closed	Min. curve
b	Closed	Max. UP 26-64F/VS

UP 26-64F/VS



TM03 8533 1907

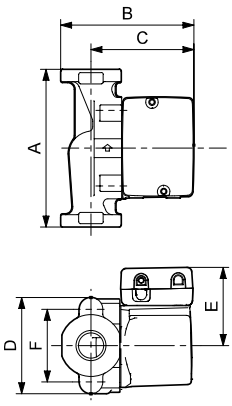
Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 26-64F/VS	52722405	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	11 1/4



Flow range:	0-28 U.S. gpm
Head range:	0-30 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system (F) and open system (BF)	

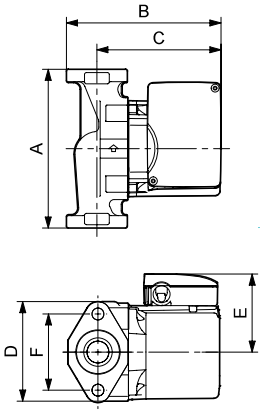
Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-96F/BF	115	1.7	205	1/12	10µF/180 V
	230	0.8	205	1/12	2.5µF/380 V

UP 26-96F



TM03 8533 1907

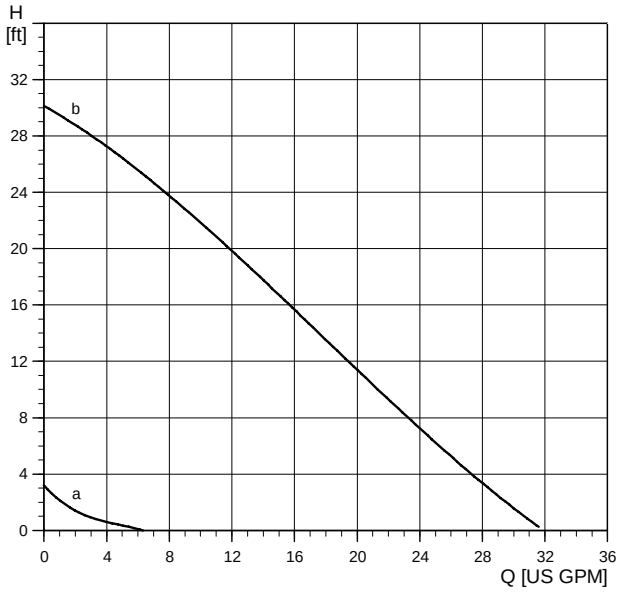
UP 26-96BF



TM03 8543 1907

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 26-96F	52722341	52722338	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	11 1/4
UP 26-96BF	52722336	52722334	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	12.5

Variable Speed



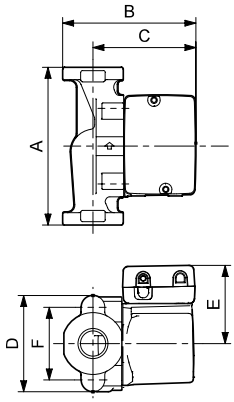
TM03 8842 2607

Flow range:	0-28 U.S. gpm
Head range:	0-30 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	195 °F (91 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-96 F/VS	115	1.7	205	1/12	10µF/180 V

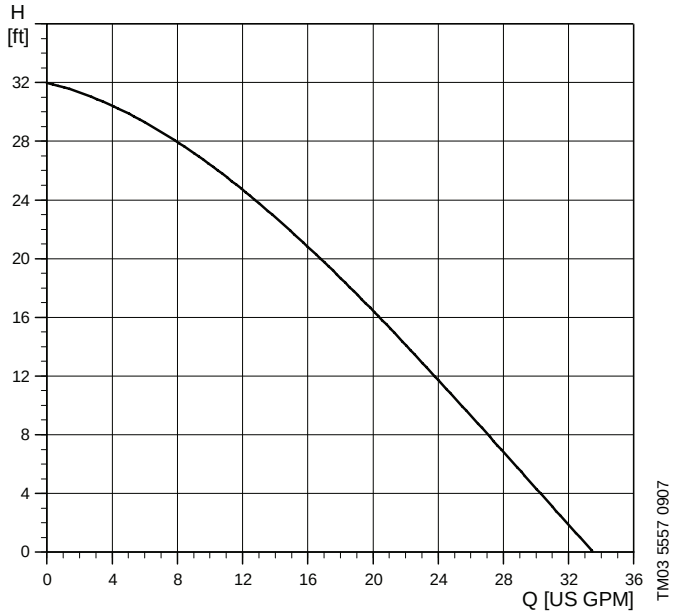
Position	System type	Description
a	Closed	Min. curve
b	Closed	Max. UP 26-96F/VS

UP 26-96F/VS



TM03 8533 1907

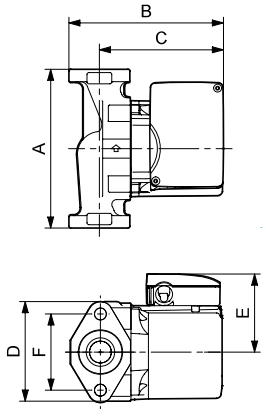
Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 26-96F/VS	52722399	-	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	11 1/4



Flow range:	0-34 U.S. gpm
Head range:	0-32 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Closed system (F) and Open system (BF)	

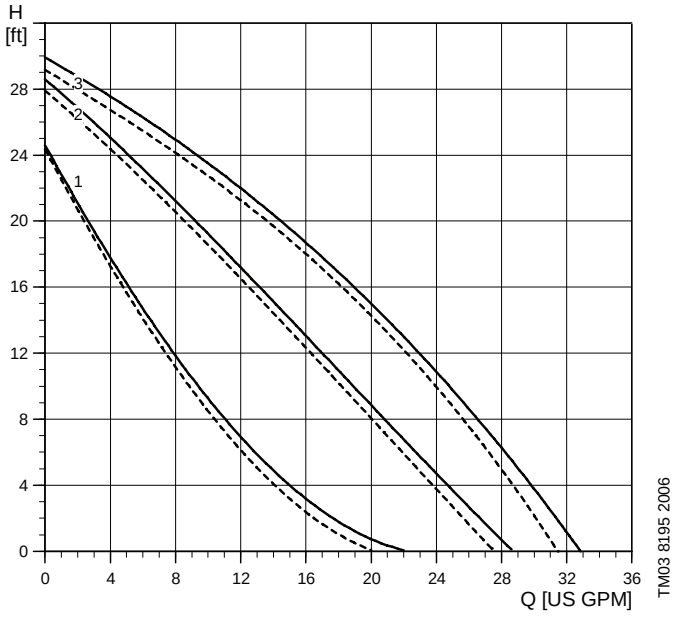
Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-99F/BF	115	2.15	245	1/6	10µF/180 V
	230	1.07	245	1/6	2.5µF/380 V

UP 26-99F/BF



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 26-99F	52722355	52722351	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	12 1/2
UP 26-99BF	52722347	52722346	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	12 1/2

Super Brute



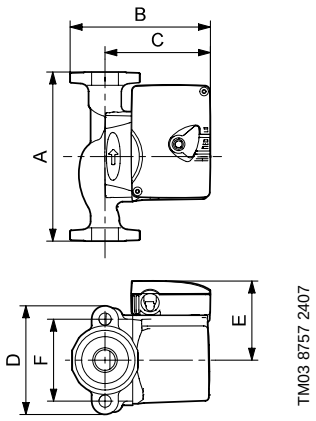
Flow range:	0-33 U.S. gpm
Head range:	0-29 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 26-99FC	3	115	1.8	197	1/6	20µF/180 V
	2		1.5	179	1/6	20µF/180 V
	1		1.3	150	1/6	20µF/180 V
UPS 26-99FC/BFC	3	230	0.9	196	1/6	5µF/400 V
	2		0.8	179	1/6	5µF/400 V
	1		0.7	150	1/6	5µF/400 V

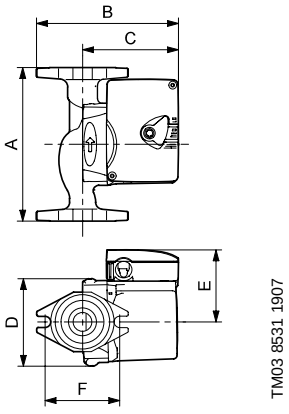
———	Without check valve
- - - -	With check valve

Position	System type	Description
3	Closed (FC) and open (BFC)	High speed
2	Closed (FC) and open (BFC	Medium speed
1	Closed (FC) and open (BFC	Low speed

UPS 26-99FC

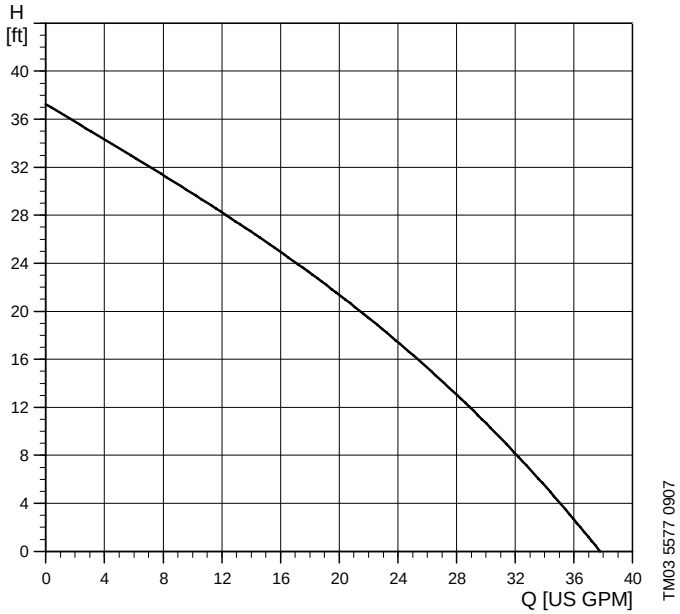


UPS 26-99BFC



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UPS 26-99BFC	52722518	52722519	6 1/2	6	4 7/8	3 1/2	3 7/16	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	10.3
UPS 26-99FC/BFC	52722512	52722513	6 1/2	6	4 7/8	3 1/2	3 7/16	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	10.3

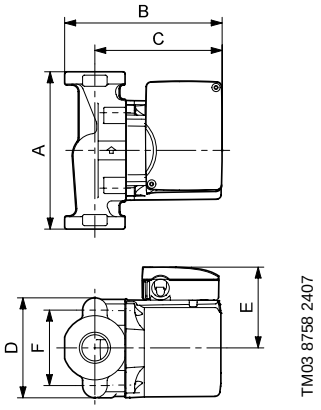
Note: The check valve can be removed.



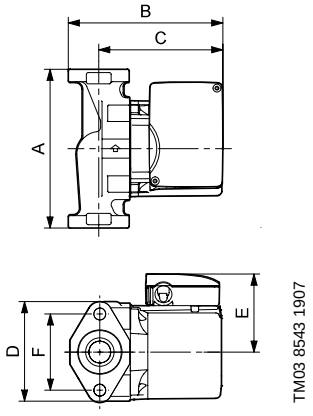
Flow range:	0-37 U.S. gpm
Head range:	0-37 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	150 °F (65 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi
Closed system (F) and Open system (BF)	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-116F/BF	230	1.8	385	1/6	2.5µF/380 V

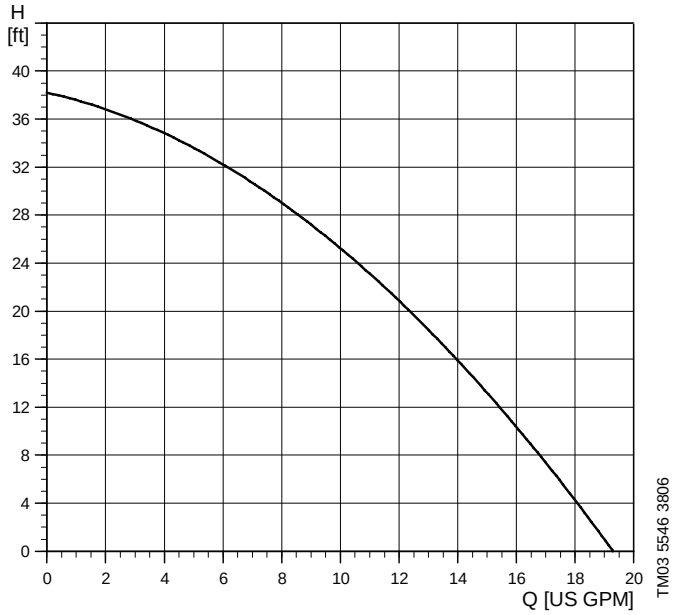
UP 26-116F



UP 26-116BF



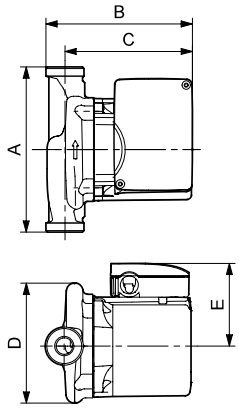
Model type	Product number	A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
UP 26-116F	52722377	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	12 1/2 lbs
UP 26-116BF	52722393	6 1/2	6 3/8	5 1/16	4 1/8	3 1/2	3 5/32	GF 15/26 flange (2) 1/2" dia. bolt boles	12 1/2 lbs



Flow range:	0-19 U.S. gpm
Head range:	0-38 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	203 °F (95 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi
Closed system	

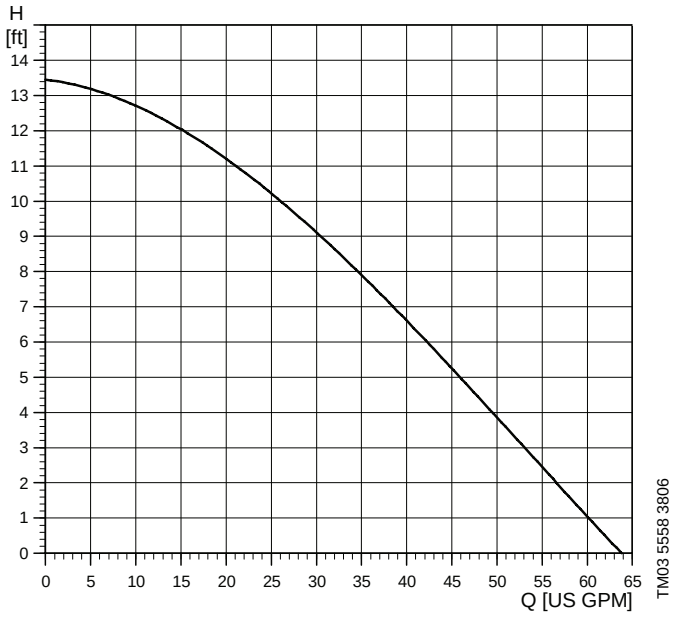
Model	Volts	Amps	Watts	Hp	Capacitor
UP 26-120U	115	2.15	215	1/6	10µF/180 V
	230	1.07	220	1/6	2.5µF/380 V

UP 26-120U



Model type	Product number		A	B	C	D	E	Connection type and size	Shipping weight [lbs]
	115 V	230 V							
UP 26-120U	52722435	52722436	7 1/16	5 7/8	5 1/16	4 7/8	3 1/2	GF 125 union - 1 1/4" NPSM	10 1/2

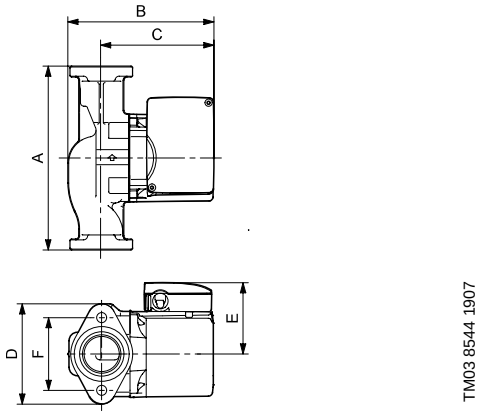
UP 43



Flow range:	0-68 U.S. gpm
Head range:	0-13.5 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi
Closed system (F) and open system (BF)	

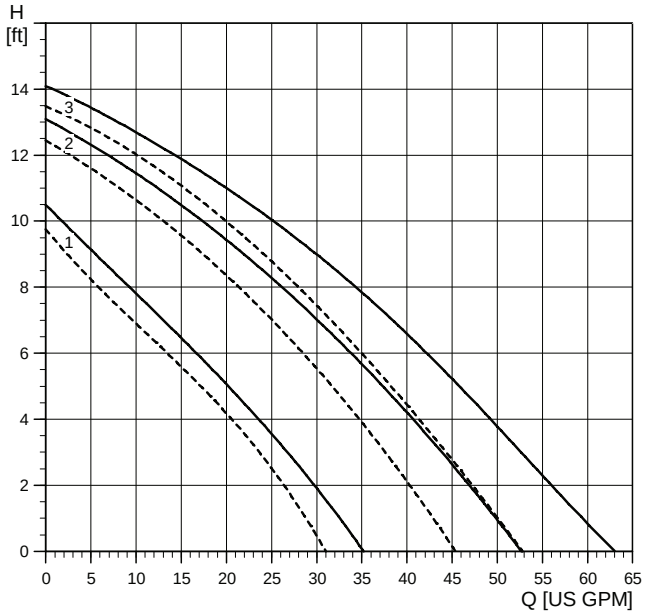
Model	Volts	Amps	Watts	Hp	Capacitor
UP 43-44F/BF	115	2.15	215	1/6	10µF/180 V
	230	1.07	220	1/6	2.5µF/380 V

UP 43-44F/BF



Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 43-44F	52722437	52722438	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	GF 15/26 flange (2) 1/2" dia. bolt boles	13 1/2
UP 43-44BF	52722439	52722440	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	GF 15/26 flange (2) 1/2" dia. bolt boles	15

Super Brute



TM03 8196 0807

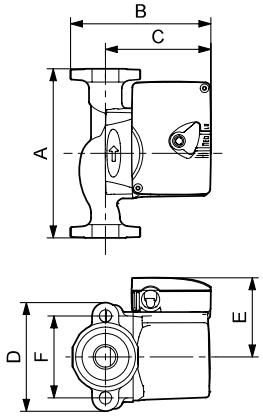
Flow range:	0-63 U.S. gpm
Head range:	0-14 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 43-44FC/BFC	3	115	1.8	203	1/6	20µF/180 V
	2		1.7	189	1/6	20µF/180 V
	1		1.4	157	1/6	20µF/180 V
UPS 43-44FC/BFC	3	230	0.9	203	1/6	5µF/400 V
	2		0.8	190	1/6	5µF/400 V
	1		0.7	157	1/6	5µF/400 V

———	Without check valve
- - - -	With check valve

Position	System type	Description
3	Closed (FC) and open (BFC)	High speed
2	Closed (FC) and open (BFC	Medium speed
1	Closed (FC) and open (BFC	Low speed

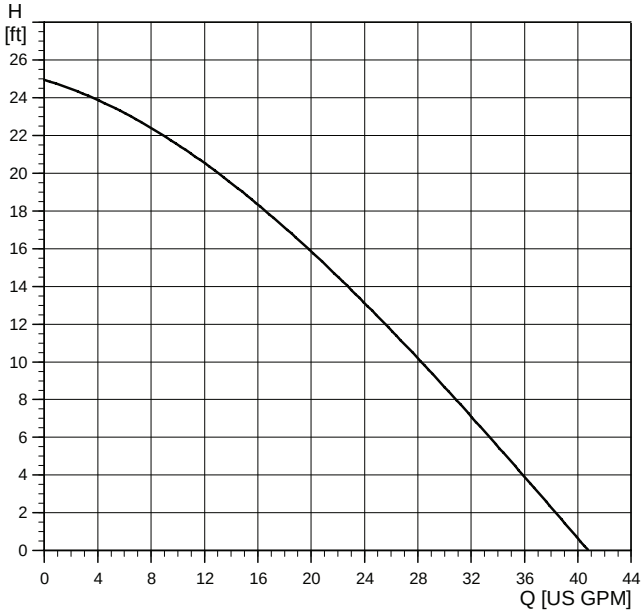
UPS 43-44FC



TM03 8757 2407

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UPS 43-44FC	52722514	52722515	8 1/2	6 11/16	5 1/8	4 3/4	3 3/16	3 7/16	GF 15/26 flange (2) 1/2" dia. bolt boles	13 1/2
UPS 43-44BFC	52722520	52722521	8 1/2	6 11/16	5 1/8	4 3/4	3 3/16	3 7/16	GF 15/26 flange (2) 1/2" dia. bolt boles	13 1/2

Note: The check valve can be removed.

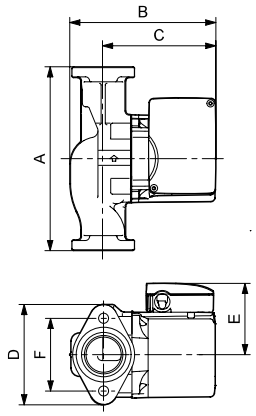


TM03 5560 0907

Flow range:	0-41 U.S. gpm
Head range:	0-25 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	36 °F (2 °C)
Max. system pressure:	145 psi
Open system	

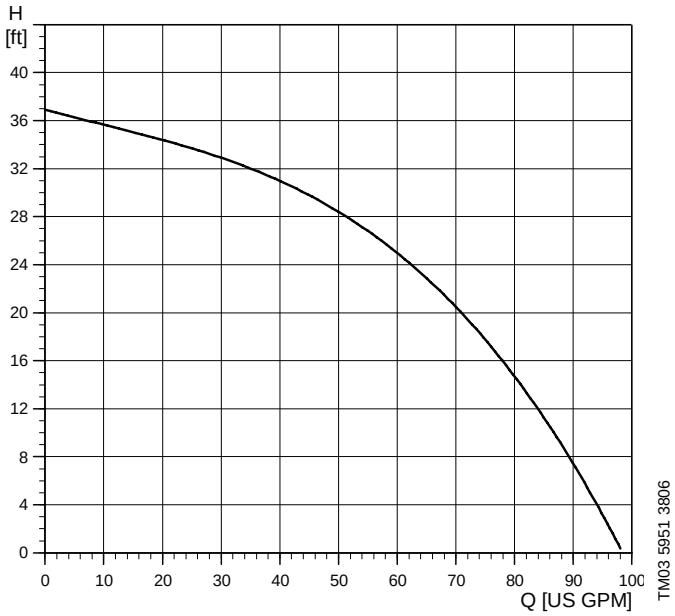
Model	Volts	Amps	Watts	Hp	Capacitor
UP 43-75F/BF	115	2.15	215	1/6	10µF/180 V
	230	1.07	220	1/6	2.5µF/380 V

UP 43-75F/BF



TM03 8544 1907

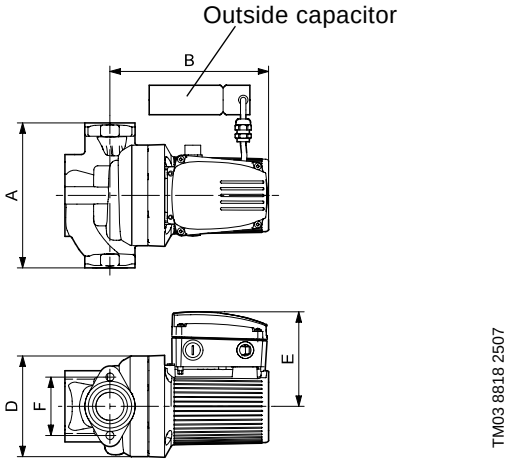
Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 43-75F	52722373	52722372	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	GF 40/43 flange (2) 1/2" dia. bolt holes	13 1/2
UP 43-75BF	52722370	52722369	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	GF 40/43 flange (2) 1/2" dia. bolt holes	15



Flow range:	0-98 U.S. gpm
Head range:	0-37 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	14 °F (–10 °C)
Max. system pressure:	145 psi
Closed system	

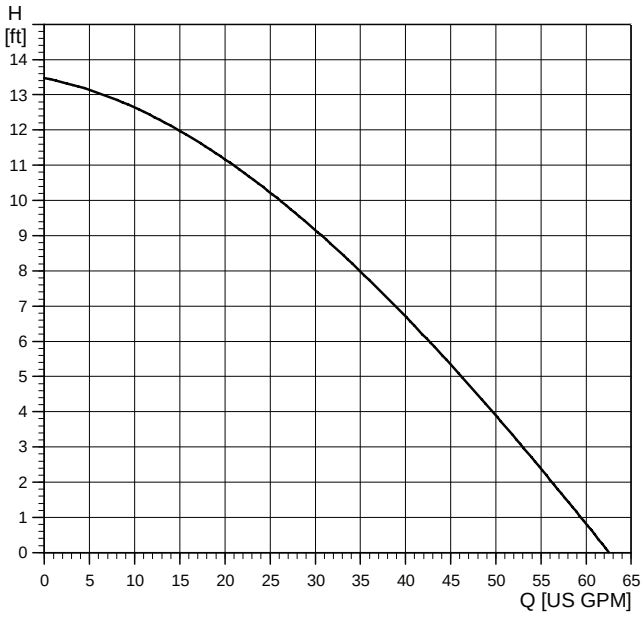
Model	Volts	Amps	Watts	Hp	Capacitor
UP 43-110F	115	5.1	590	3/4	60µF
	230	2.7	590	3/4	60µF

UP 43-110F



Model type	Product number		A	B	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V							
UP 43-110F	96439643	96439643	8 1/2	9 5/8	4 15/16	5 4/7	-	1 1/2”	34.2

UP 50

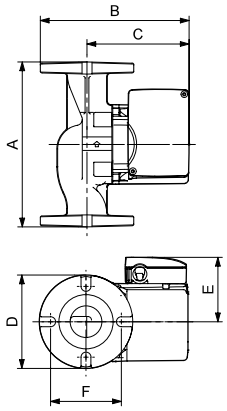


TM03 5544 3806

Flow range:	0-64 U.S. gpm
Head range:	0-13.4 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 50-44F	115	2.15	215	1/6	10µF
	230	1.07	220	1/6	2.5µF/400 V

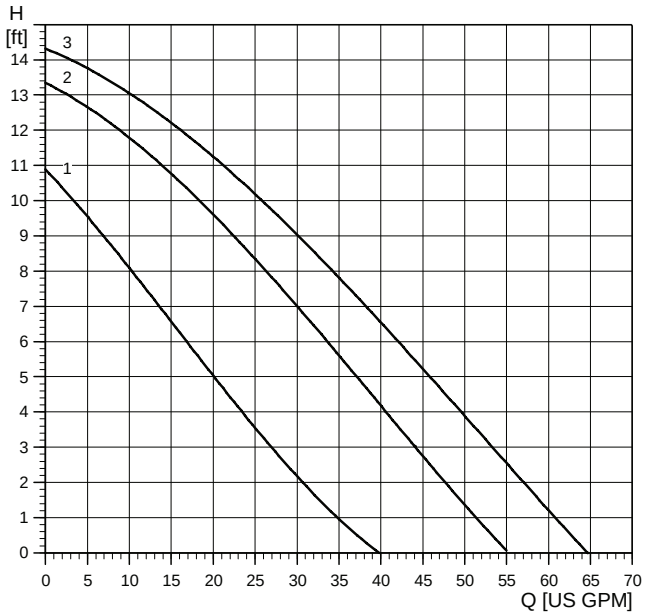
UP 50-44F



TM03 8760 2407

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 50-44F	52722442	52722441	8 1/2	7 1/2	5 1/16	4 7/8	3 1/2	4 1/6	GF 50 flange (2) 1/2" dia. bolt holes	15 1/2

Technical data



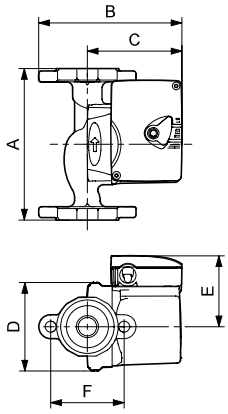
TM03 8837 2607

Flow range:	0-65 U.S. gpm
Head range:	0-14.4 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi

Model	Spd	Volts	Amps	Watts	Hp	Capacitor
UPS 50-44F	3	115	1.9	195	1/6	20µF
	2		1.8	182	1/6	
	1		1.5	147	1/6	
	3	230	1	195	1/6	5µF
	2		0.9	182	1/6	
	1		0.7	147	1/6	

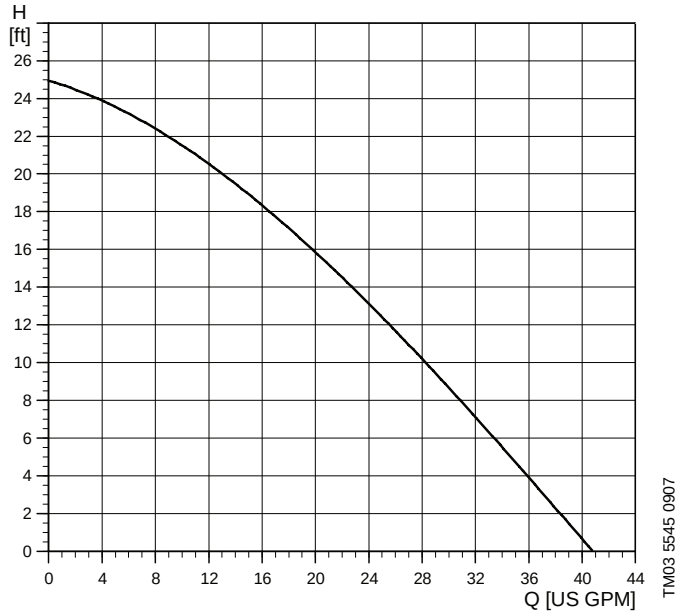
Position	System type	Description
3	Closed	HighLow speed
2	Closed	Medium speed
1	Closed	Low speed

UPS 50-44F



TM03 9036 2807

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UPS 50-44F	59896771	59896784	8 1/2	7 1/2	5 1/16	4 7/8	3 3/16	4 1/6	GF 50 flange (2) 1/2" dia. bolt holes	15 1/2

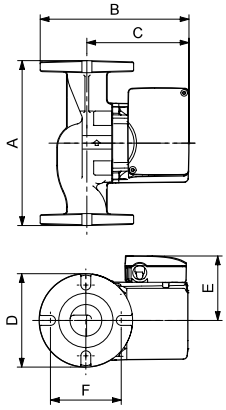


TM03 5545 0907

Flow range:	0-41 U.S. gpm
Head range:	0-25 feet
Motors:	2-pole, single-phase
Max. liquid temperature:	230 °F (110 °C)
Min. liquid temperature:	32 °F (0 °C)
Max. system pressure:	145 psi
Closed system	

Model	Volts	Amps	Watts	Hp	Capacitor
UP 50-75F	115	2.15	215	1/6	10µF/180 V
	230	1.07	220	1/6	2.5µF/400 V

UP 50-75F



TM03 8760 2407

Model type	Product number		A	B	C	D	E	F	Connection type and size	Shipping weight [lbs]
	115 V	230 V								
UP 50-75F	52722352	52722353	8 1/2	7 1/2	5 1/16	4 7/8	3 1/2	4 1/6	GF 50 flange (4) 1/2" dia. bolt holes	15 1/2

UP timer

Specifications (previous/current)

Type: 24 hr. 3-position on/timer/off 15-minute interval

- Size: 3.77 x 2.85 x 1.25".
- Supply voltage: 120 VAC.
- Power consumption: 1 VA.

Switch rating: SPDT

- Resistive: 21A/6 A.
- Tungsten: 1350 W.
- Inductive: 1 HP @ 120 VAC; 2 HP @ 240 VAC.

Wiring connections: 1/4" quick-connects.

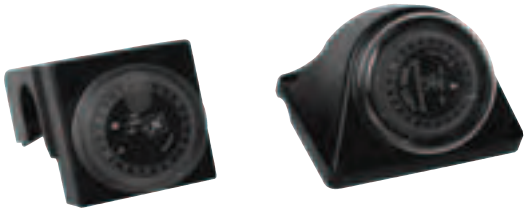
Installation

Indoor, wired and mounted on the UP terminal box.

Part number: 505474/599288.

Features

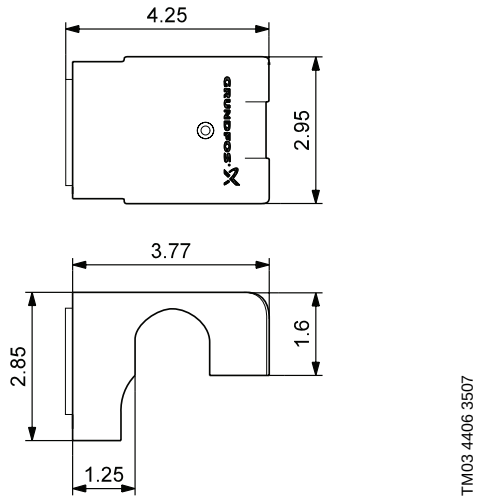
- Compact and contemporary design.
- Captive trippers are easy to set, cannot be lost.
- Quartz drive provides 7-day carry-over.
- Synchronous drive for greatest accuracy, lowest cost.
- UL-recognized, CSA-listed.



TM03 7893 0307

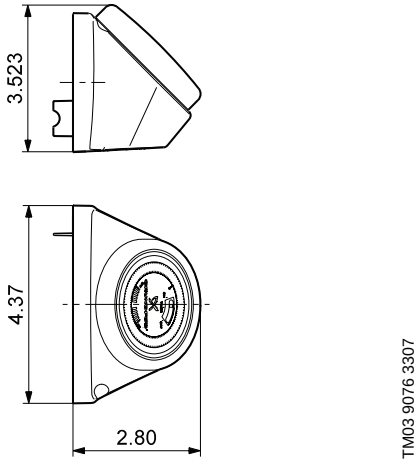
Previous timer Date codes 9132-0527	Current timer Date codes 0528 and after

Fig. 10 UP timers



TM03 4406 3507

Fig. 11 Timer dimensions, previous version



TM03 9076 3307

Fig. 12 Timer dimensions, current version

Timer control

Product number	Description	Shipping weight	Length		Height		Width	
		[oz.]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
505474	24-hour programmable clock/timer for use with single speed. Series UP (115 V) circulator* for date codes 9132 - 0527	10	62	2 7/16	32	1 17/64	60	2 3/8
599388	24-hour programmable clock/timer for use with single speed. Series UP (115 Vt) circulator* for UP 15 only date code 0528 and after	10	62	2 7/16	32	1 17/64	60	2 3/8

AquaStat

Specifications

Description: Thermostatic switch.

Type: Bi-metallic disc, snap acting.

Enclosure: environmentally sealed.

Mounting:

- Clip-on mount for 1/2” I.D. copper tube (5/8" O.D.).
- Clip-on mount for 3/4” I.D. copper tube (7/8" O.D.).

Contact rating:

- 10 A @ 120 VAC, 60 Hz resistive.
- 5 A @ 240 VAC, 60 Hz resistive.

Temperature rating

Low-temp model

- 105±5 °F (40±2 °C) pump switches off.
- 85±6 °F (29±3 °C) pump switches on.

High-temp model

- 115±5 °F (46±2 °C) pump switches off.
- 105±5 °F (40±2 °C) pump switches on.

Leads:

- 2 leads, AWG 18, 14".
- 12", black insulation, silicon or epoxy overmold.
- 1/2" strip length.

Application:

- Clip-on thermostatic control for the UP circulators.

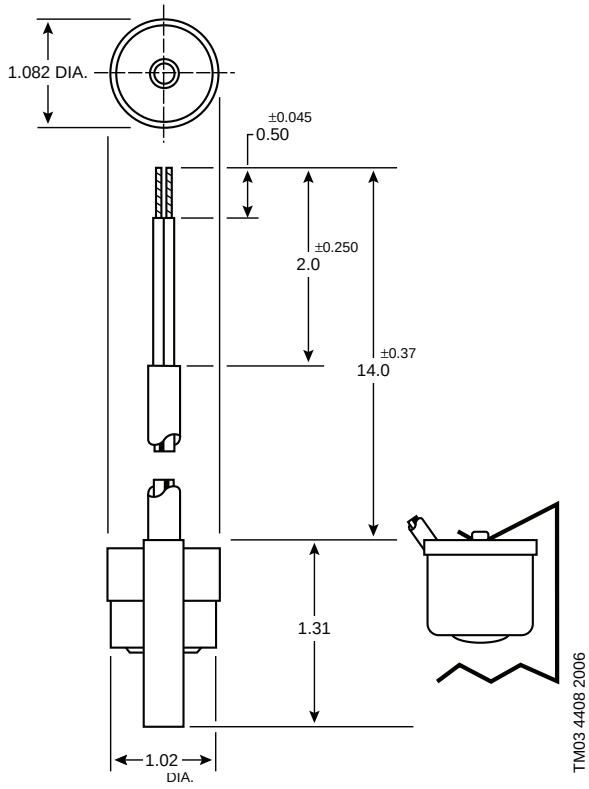


Fig. 13 AquaStat dimensions

Fig. 14 AquaStat

Thermostatic controls

Product number	Description	Shipping weight [oz.]
595443	Aquastat set, 1/2" clip-on mount for 5/8" O.D. system piping size, 85 °F - 105 °F* (1/2" I.D. copper tubing or 3/8" steel pipe) shielded wire, with PVC jacketed cable	1 lb
595444	Aquastat set, 3/4" clip-on mount for 7/8" O.D. system piping size, 85 °F - 105 °F* (3/4" I.D. copper tubing or 1/2" steel pipe) shielded wire, with PVC jacketed cable	1 lb
595656	Aquastat set, 1/2" clip-on mount for 5/8" O.D. system piping size, 105 °F - 115 °F* (1/2" I.D. copper tubing or 3/8" steel pipe) shielded wire, with PVC jacketed cable	1 lb
595657	Aquastat set, 3/4" clip-on mount for 7/8" O.D. system piping size, 105 °F - 115 °F* (3/4" I.D. copper tubing or 1/2" steel pipe) shielded wire, with PVC jacketed cable	1 lb

Packaged dielectric isolation valve sets

Fig. 15 Dielectric isolation valves

Pump connection		Pipe connection type and size		Material number	Approx. shipping weight	Face to face [A*]	Center of port to top [B*]	Flange diameter [C*]	Center of valve to handle end [D*]
		NPT	Solder		[lb/oz.] 1 kit	[inch]	[mm / inch]	[inch]	[inch]
GF 15/26 flange	Bronze	1/2"		591202	2 / 13	2 27/32	51 / 2	4 3/16	3 29/64
		3/4"		591203	3 / 2	3 3/64	57 / 2 1/4	4 3/16	3 3/4
		1"		591204	4 / 8	3 35/64	67 / 2 21/32	4 3/16	4 17/32
		1-1/4"		591205	4 / 13	4 1/32	75 / 2 31/32	4 3/16	4 35/64
		1-1/2"		591206	4 / 14	4 7/64	75 / 2 31/32	4 3/16	4 5/8
			1/2"	591207	2 / 12	2 49/64	51 / 2	4 3/16	3 15/32
			3/4"	591208	3 / 4	3 1/4	57 / 2 1/4	4 3/16	3 47/64
			1"	591209	4 / 8	3 55/64	67 / 2 21/32	4 3/16	4 1/2
			1-1/4"	591210	4 / 13	4 1/2	75 / 2 31/32	4 3/16	4 35/64
			1-1/2"	591211	4 / 15	4 37/64	75 / 2 31/32	4 3/16	4 9/16

Note: Each set contains
2 each - rotating flanges, lever-handled full-ported ball valve, EPDM gaskets, dielectric sleeves.
4 each - 7/16" X 1-3/4" bolts with nuts.
* Further information about these figures can be found at page 70.

Packaged fitting sets

	Pump connection		Pipe connection type and size			Material number
			NPT	Solder	Compression	
Pump connection adapters flange/union sets	Cast iron	GF 15/26 flange	3/4"			519601
			1"			519602
			1-1/4"			519603
			1-1/2"			519604
		GF 40/43 flange	1-1/2"			539605
		GF 50 flange	2"			96409354
		GF 65 flange	2-1/2"			559601
		GF 80 flange	3"			569601
		GF 100 flange	4"			579801
	Bronze	GF 15/26 flange	3/4"			519651
			1"			519652
			1-1/4"			96409356
		GF 40/43 flange	1-1/2"			539615
		GF 50 flange	2"			96409355
		GF 80 flange	3"			569611
		GF 100 flange	4"			96409357
			3/4"			529912
		GF 125 union		1/2"		529913
				3/4"		529911
Pump isolation valve	Bronze	GF 15/26 flange	3/4"			519755
			1"			519756
			1-1/4"			519757
			1/2"			519850
		GF 125 union	3/4"			519852
					3/4"	519851

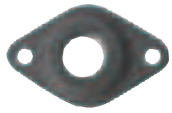
* Flange set includes two flanges, two gaskets and eight nuts and bolts.

Flange adapters, flange and union adapters and isolation valves

Flange adapters

Cast iron

TM03 8668 2107



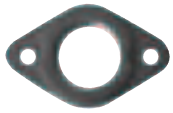
TM03 8664 2107

TM03 8029 0207

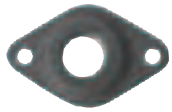
GF 50 flange x	GF 15/26 flange x	GF 40/43 flange x
2" NPT = Part # 525268	3/4" NPT = Part # 519601	1 1/2" NPT = Part # 539605
	1" NPT = Part # 519602	
	1 1/4" NPT = Part # 519603	
	1 1/2" NPT = Part # 519604	

Flange and union adapters

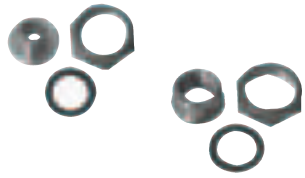
Bronze



TM03 8667 2107



TM03 8664 2107

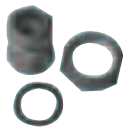


TM03 7899 / TM03 8670 2107

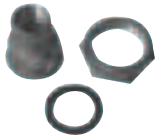
GF 40/43 flange x	GF 15/26 flange x	GF 125 union x
1 1/2" NPT = Part # 539615	3/4" = Part # 519651	3/4" NPT = Part # 529912
	1" = Part # 519652	1/2" solder = Part # 529913
	1 1/4" = Part # 96409356	1 1/2" solder = Part # 529911

Isolating valves

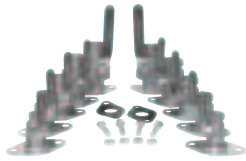
Bronze



TM03 8663 2107



TM03 7900 0207



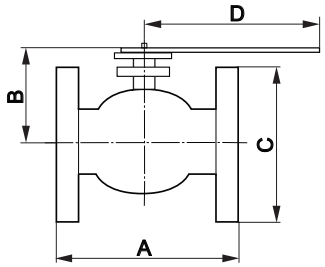
TM03 7901 0307

GF 125 union x	GF 125 union x	Dielectric isolation valves
3/4" compression = Part # 519852	1/2"" = Part # 519850	For further details see, page 66
	3/4" = Part # 519852	

Replacement flange gasket

For use with flange set	Material number	Description	Shipping weight [oz.]
GF 15/26	510179	Single gasket for 1-1/4" flange	4
GF 40/43	530244	Single gasket for 1-1/2" flange	4
GF 50	96409353	Single gasket for 2" flange	4
GF 65	550097	Single gasket for 2-1/2" flange	4
GF 80	560185	Single gasket for 3" flange	4
GF 100	570008	Single gasket for 4" flange	4
GU 125	520089	Single gasket for GU 125 union	4

Dimensions



TM03 9289 3707

Fig. 16 Dimensions

Pos	Description
A	Face to face
B	Center or port to top
C	Flange diameter
D	Center of valve to handle end

Note: For further information see page 66

Submittal data

Company name .....
Prepared by .....
Phone number (.....).....
Fax number (.....).....
Date:..... Page 1 of:.....
Quote number:.....

Client information

Project title:..... Client name:.....
Reference number:..... Client number:.....
Client contact:..... Client phone:.....

Location information

For:..... Unit:.....
Site:..... Service:.....
Address:..... City:..... State:..... Zip code:.....

Technical data	**Motor information**
Flow (GPM):.....	HP:.....
Head (Ft).....	Phase:.....
Motor:.....	Voltage:.....
Max. liquid temp.:.....	Enclosure:.....
Min. liquid temp.:.....	
Min. required inlet pressure:.....	
Connection type and size:.....	

Pump information

Model information from type key and codes:
.....
Example: UP-S-15-58-FC.....
Quantity required:..... NPSH required at duty point:.....
Minimum required flow:.....

Product guide additional information pages

Materials page number:..... Performance curve page number:.....
Technical data page number:..... Motor data page number:.....

Custom-built pump information (optional):.....
.....
.....
.....

Additional information:.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Further product documentation

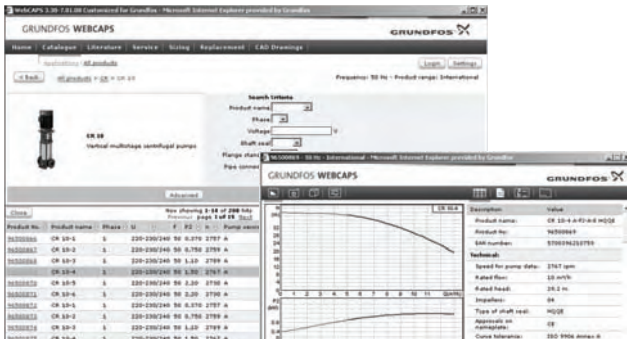
WebCAPS

WebCAPS is a **Web**-based **C**omputer **A**ided **P**roduct **S**election program available on www.grundfos.com.

WebCAPS contains detailed information on more than 185,000 Grundfos products in more than 20 languages.

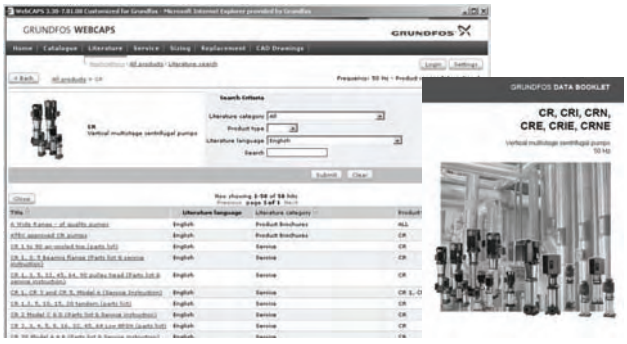
In WebCAPS, all information is divided into 6 sections:

- Catalogue
- Literature
- Service
- Sizing
- Replacement
- CAD drawings.



Catalogue

This section is based on fields of application and pump types, and contains
- technical data
- curves (QH, Eta, P1, P2, etc) which can be adapted to the density and viscosity of the pumped liquid and show the number of pumps in operation
- product photos
- dimensional drawings
- wiring diagrams
- quotation texts, etc.



Literature

In this section you can access all the latest documents of a given pump, such as
- data booklets
- installation and operating instructions
- service documentation, such as Service kit catalogue and Service kit instructions
- quick guides
- product brochures, etc.

Service

This section contains an easy-to-use interactive service catalogue. Here you can find and identify service parts of both existing and discontinued Grundfos pumps.
Furthermore, this section contains service videos showing you how to replace service parts.

Further product documentation

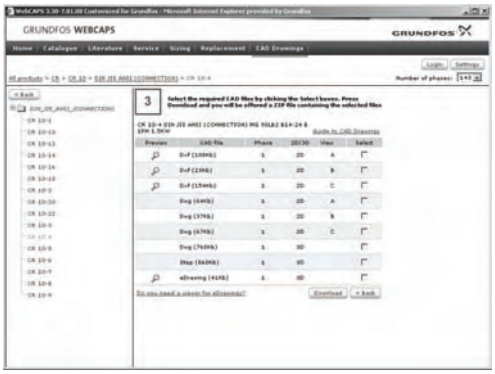
Sizing

This section is based on different fields of application and installation examples, and gives easy step-by-step instructions in how to
- select the most suitable and efficient pump for your installation
- carry out advanced calculations based on energy consumption, payback periods, load profiles, life cycle costs, etc.
- analyse your selected pump via the built-in life cycle cost tool
- determine the flow velocity in wastewater applications, etc.

Replacement

In this section you find a guide to selecting and comparing replacement data of an installed pump in order to replace the pump with a more efficient Grundfos pump.
The section contains replacement data of a wide range of pumps produced by other manufacturers than Grundfos.

Based on an easy step-by-step guide, you can compare Grundfos pumps with the one you have installed on your site. When you have specified the installed pump, the guide will suggest a number of Grundfos pumps which can improve both comfort and efficiency.



CAD drawings

In this section it is possible to download 2-dimensional (2D) and 3-dimensional (3D) CAD drawings of most Grundfos pumps.

These formats are available in WebCAPS:

2-dimensional drawings:
- .dxf, wireframe drawings
- .dwg, wireframe drawings.

3-dimensional drawings:
- .dwg, wireframe drawings (without surfaces)
- .stp, solid drawings (with surfaces)
- .eprt, E-drawings.

WinCAPS

Fig. 17 WinCAPS CD-ROM

WinCAPS is a **Win**dows-based **C**omputer **A**ided **P**roduct **S**election program containing detailed information on more than 185,000 Grundfos products in more than 20 languages.

The program contains the same features and functions as WebCAPS, but is an ideal solution if no Internet connection is available.

WinCAPS is available on CD-ROM and updated once a year.

L-UP-PG-001 Rev. 0907
Printed in the U.S.A.
US

Subject to alterations.

GRUNDFOS Pumps Corporation
17100 West 118th Terrace
Olathe, Kansas 66061
Phone: +1-913-227-3400
Telefax: +1-913-227-3500

GRUNDFOS Canada Inc.
2941 Brighton Road
Oakville, Ontario L6H 6C9 Canada
Phone: +1-905 829 9533
Telefax: +1-905 829 9512

Bombas GRUNDFOS de Mexico S.A. de C.V.
Boulevard TLC No. 15
Parque Industrial Stiva Aeropuerto
Apodaca, N.L. Mexico 66600
Phone: +52-81-8144 4000
Telefax: +52-81-8144 4010

www.grundfos.com

GRUNDFOS