

Date:

2/22/2018

# **Tender Text**



Product photo could vary from the actual product

#### Product No.: 15BH0002 230S75-2

Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-agressive liquids without solid particles or fibers.

The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4301 and suitable for horizontal and vertical installation. The pump is fitted with a built-in non-return valve.

### Liquid:

Pumped liquid:WaterMaximum liquid temperature:104 °FLiquid temperature during operation:68 °FDensity:62.29 lb/ft³

#### Technical:

Speed for pump data:	3450 rpm
Actual calculated flow:	243 US gpm
Resulting head of the pump:	75.82 ft
Curve tolerance:	ISO9906:2012 3B

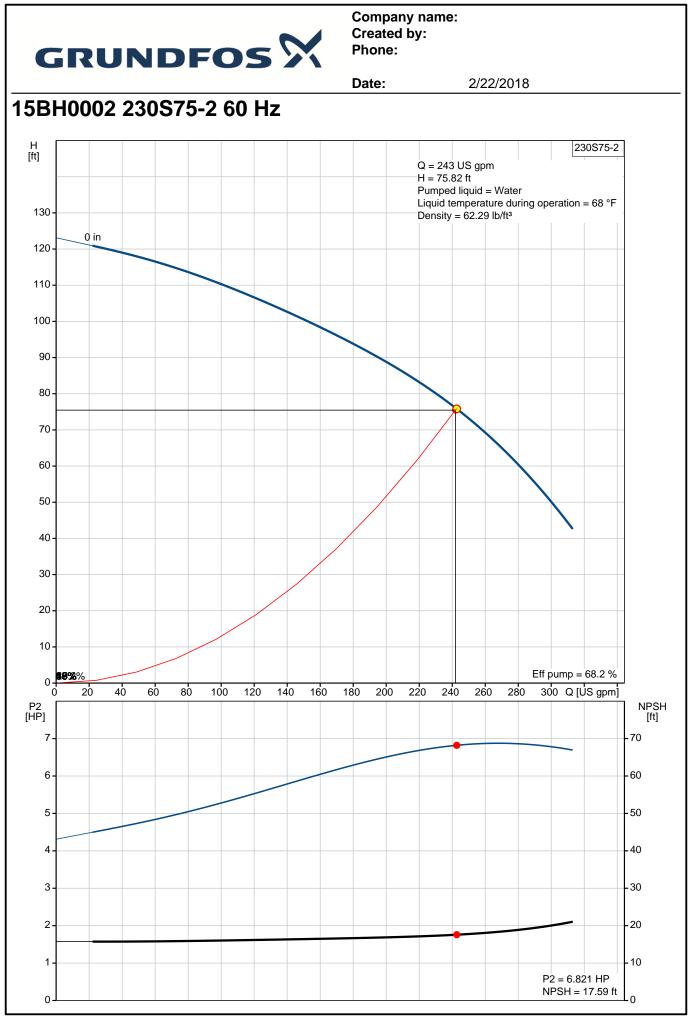
Materials:

Pump: Impeller:	Stainless steel EN 1.4301 AISI 304 Stainless steel EN 1.4301 AISI 304 3"NPT 6 inch 7.5 HP 7.5 HP
Installation:	
Pump outlet:	3"NPT
Motor diameter:	6 inch
Electrical data:	
Rated power - P2:	7.5 HP
Power (P2) required by pump:	7.5 HP
Start method:	direct-on-line

Start. method:	direct-on-line
Others:	
ErP status:	EuP Standalone/Prod.
Net weight:	22.1 lb
Gross weight:	27.8 lb
Shipping volume:	1.13 ft <sup>3</sup>

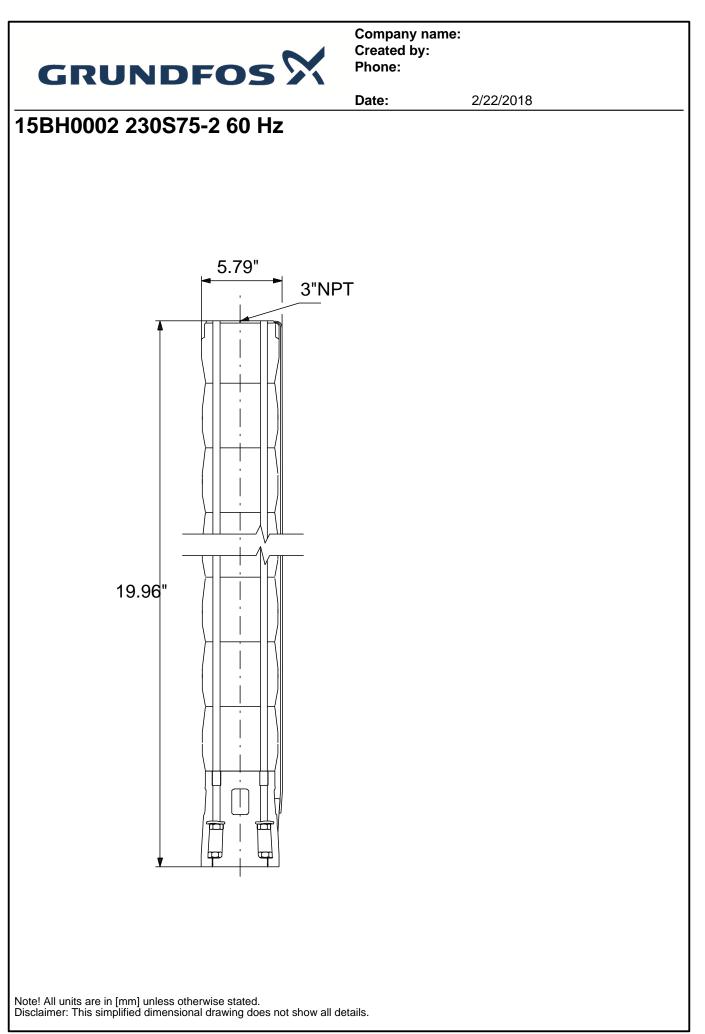


Date: 2/22/2018 Position Count | Description 230S75-2 1 Product photo could vary from the actual product Product No.: 15BH0002 Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-agressive liquids without solid particles or fibers. The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4301 and suitable for horizontal and vertical installation. The pump is fitted with a built-in non-return valve. Liquid: Pumped liquid: Water Maximum liquid temperature: 104 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft3 **Technical:** Speed for pump data: 3450 rpm Actual calculated flow: 243 US gpm Resulting head of the pump: 75.82 ft Curve tolerance: ISO9906:2012 3B Materials: Stainless steel Pump: EN 1.4301 AISI 304 Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Pump outlet: 3"NPT Motor diameter: 6 inch Electrical data: Rated power - P2: 7.5 HP Power (P2) required by pump: 7.5 HP Start. method: direct-on-line Others: ErP status: EuP Standalone/Prod. 22.1 lb Net weight: Gross weight: 27.8 lb Shipping volume: 1.13 ft<sup>3</sup>





	Date:		2/2	2/201	8			
Value	H					-	230S75-2	
value	[11]		Q = 24	3 US gpm				
220875 2	130 -				Water			
	—	in	Liquid t	emperatu	re during	operatior	า = 68 °F	
	120 -		Density	/ = 62.29 l	b/ft <sup>3</sup>	1		
5700391837388	110							
	100							
3450 rpm								
	90 -					_		
	80 -							
	70 -					R		
	60 -							
	50 -				/		$\setminus$	
	40						<b>\</b>	
TES								
	30 -							
Stainless steel	20 -							
EN 1.4301	10 -		$\square$					
AISI 304	<b>6507</b> 0	6				⊥∣ Eff pump ⊧	= 68.2 %	
	0	50	100 1	50 2	00	250 Q	[US gpm]	I
	P2							NPS
							_	[ft]
	- <b>I</b> 6-							- 60
	_							50
3"NPT	5-	/						- 50
6 inch	4 -							- 40
	3 -				_			- 30
								00
Water	2-				-	•		- 20
104 °F	1-							- 10
68 °F	0					NPSH =	= 17.59 ft	Lo
62.29 lb/ft <sup>3</sup>								
			5.79"					
				3"NPT				
direct-on-line		Ī	/   i    Y					
			╢┝╪╢╢					
Fup Standalona/Brad			/   i					
			<u>UL:</u> U					
Namreg				_				
	41	0 06"	╢┼┤╢					
	15	9.90						
			HHH					
	EN 1.4301 AISI 304 Stainless steel EN 1.4301 AISI 304 3"NPT 6 inch Water 104 °F 68 °F	Value       H         230S75-2       15BH0002         15BH0002       5700391837388         100       100         3450 rpm       90         243 US gpm       70         75.82 ft       2         2       70         NONE       80         ISO9906:2012 3B       80         B       YES         40       30         20       10         Stainless steel       EN 1.4301         AISI 304       10         Stainless steel       P2         EN 1.4301       AISI 304         3"NPT       6         6 inch       9         Water       104 °F         68 °F       62.29 lb/ft <sup>3</sup> GRUNDFOS       7.5 HP         7.5 HP       7.5 HP         7.5 HP       10         21. lb       27.8 lb         1.13 ft <sup>3</sup> Namreg	Value       H         230S75-2       15BH0002         15009002       100         3450 rpm       90         243 US gpm       75.82 ft         2       70         NONE       100         ISO9906:2012 3B       80         B       72         YES       20         Stainless steel       100         EN 1.4301       AISI 304         AISI 304       50         3"NPT       6         6 inch       90         3"NPT       6         6 inch       90         Water       104 °F         68 °F       62.29 lb/ft <sup>3</sup> GRUNDFOS       7.5 HP         7.5 HP       7.5 HP         7.5 HP       1.13 ft <sup>3</sup>	Value       H       Q = 24         230S75-2       15BH0002         15BH0002       5700391837388         3450 rpm       90         243 US gpm       90         75.82 ft       70         2       NONE         ISO9906:2012 3B       80         B       YES         Stainless steel       50         EN 1.4301       AISI 304         Stainless steel       100         EN 1.4301       AISI 304         Stainless steel       100         EN 1.4301       4ISI 304         Stainless steel       100         EN 1.4301       4ISI 304         Stainless steel       100         EN 1.4301       100         AISI 304       100         Stainless steel       100         EN 1.4301       4ISI 304         Water       104 °F         68 °F       62.29 lb/ft <sup>3</sup> GRUNDFOS       7.5 HP         7.5 HP       1         direct-on-line       5.79"         EuP Standalone/Prod.       22.1 lb         27.8 lb       1.13 ft <sup>3</sup> Namreg       1	Value       H       Q = 243 US gpm         230S75-2       15BH0002         15BH0002       120         5700391837388       100         3450 rpm       2230575-2         243 US gpm       75.82 ft         2       NONE         ISO9906:2012 3B       80         B       70         YES       00         Stainless steel       100         EN 1.4301       15304         AISI 304       100         Stainless steel       100         EN 1.4301       159         AISI 304       100         Stainless steel       100         EN 1.4301       159         AISI 304       159         Stainless steel       100         EN 1.4301       150         AISI 304       150         Vater       104 °F         68 °F       62.29 lb/ft³         GRUNDFOS       7.5 HP         7.5 HP       3''NPT         direct-on-line       13 bit         EuP Standalone/Prod.       22.1 lb         27.8 lb       1.13 ft³         Namreg       100	Value       H       0 = 243 US gpm         230575-2       15BH0002         15BH0002       5700391837388         3450 rpm       243 US gpm         243 US gpm       75.82 ft         2       NONE         ISO9906:2012 3B       80         B       YES         Value       Value         VYES       40         Stainless steel       10         EN 1.4301       10         AISI 304       10         Water       104 °F         68 °F       62.29 lb/ft³         GRUNDFOS       7.5 HP         7.5 HP       3'NPT         direct-on-line       5.79°         EuP Standalone/Prod.       22.1 lb         27.8 lb       1.13 ft³         Namreg       113 ft³	Value       H       Q = 243 US gpm         230S75-2       15BH0002         15BH0002       5700391837388         3450 rpm       20         24 US gpm       100         75.82 ft       100         2       100         3450 rpm       22         NONE       100         ISO9906:2012 3B       80         B       YES         Stainless steel       100         EN 1.4301       4ISI 304         AISI 304       100         3*NPT       6         6 inch       100         Water       104 °F         62.29 lb/ft <sup>3</sup> 5.79"         GRUNDFOS       7.5 HP         7.5 HP       3"NPT         direct-on-line       100         EuP Standalone/Prod.       22.1 lb         27.8 lb       1.13 18         Namreg       111	Value         H         230575-2           13BH0002         130         130           3450 rpm         120         100           243 US gpm         120         100           150 9906:2012 3B         80           B         YES         100           Stainless steel         100         100           EN 1.4301         AISI 304         100           AISI 304         550         100         150         200         250         QUS gpm           3'NPT         6         50         100         150         200         250         QUS gpm           3'NPT         6         50         100         150         200         250         QUS gpm           3'NPT         6         50         100         150         200         250         QUS gpm           FPP         6         50         100         150         200         250         QUS gpm           GRUNDFOS         7.5 HP         7.5 HP         7.5 HP         7.5 HP         3'NPT           direct-on-line         27.8 lb         1.13 ft <sup>9</sup> 3'NPT         100         100         100         100         100         100         10





2/22/2018

Order [	Data:
---------	-------

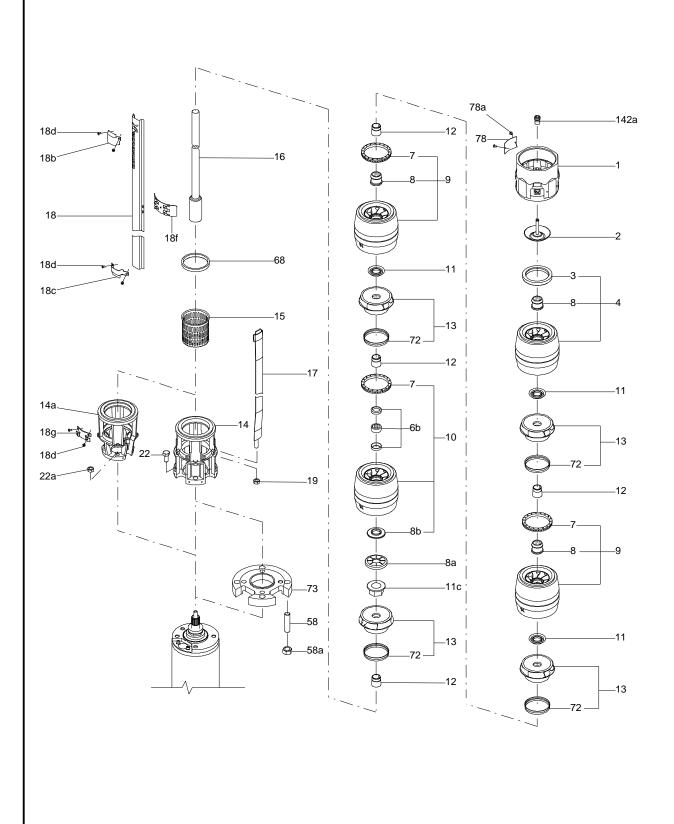
Product name: 230S75-2 Amount: 1 Product No.: 15BH0002

Total: Price on request



2/22/2018

# Exploded view (TM054014 SP(LDC) for Normal pump)



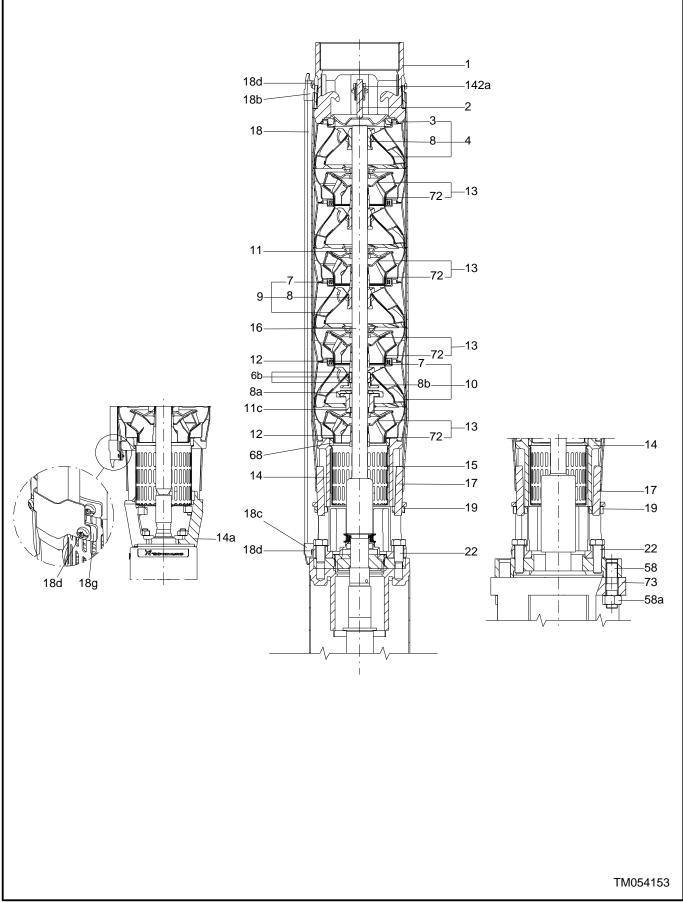
TM054014



Date:



### Sectional drawing (TM054153 SP(LDC) Normal pump)





2/22/2018

# Parts list 230S75-2, Prod number 15BH0002 Valid from 1.3.2016 (1610)

	Position	Description	Annotation	Classification data	Part No.	Co	unt	Unit
-		Shaft,cableg,strap				1		pcs
- 1	16	Shaft cpl.					1	
-		Coupling cpl.						
		Washer						
		Coupling						
3	32	O-ring						
	17	Strap cpl.					4	
	18	Cable guard					1	
	1	Valve casing				1		pcs
2	2	Valve				1		pcs
- 4	4	Chamber cpl.				1		pcs
		Chamber					1	
3	3	Valve seat					1	
8	8	Bearing					1	
- 8	8	Bearing cpl.				1		pcs
		Pipe					1	
8	Ba	Washer				1		pcs
- '	10	Chamber cpl.				1		pcs
		Chamber					1	
6	6b	Bearing					1	
6	6b	Cup					2	
7	7	Seal ring					1	
8	8b	Stop ring					1	
- 1	13	Impeller cpl.				1		pcs
-	11	Split cone nut					1	
	12	Split cone					1	
7	72	Wear ring					1	
- '	13	Impeller cpl.				1		pcs
-	11c	Nut					1	
	12	Split cone					1	
7	72	Wear ring					1	
-	14	Suction interconnector				1		pcs
	15	Strainer				1		pcs
	18b	Clamp				1		pcs
•	18c	Clamp				1		pcs
	18d	Hex socket head cap screw				4		pcs
	19	Nut				4		pcs
6	68	Seal ring				1		pcs
7	74	Hex head screw				4		pcs
7	78	Nameplate				2		pcs
	78a	Rivet				2		pcs