



# Technical specification

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Dewatering pump BS/KS 2620, 50 Hz



Flygt







# BS/KS 2620

## Product

Submersible pump for dewatering building yards, mines, draining water in flooded areas, and other similar applications. The pump can handle water containing abrasive solids.

## Denomination

Product code	2620.170
Installation	S
Impeller characteristics	MT

## Process data

Liquid temperature	max +40 °C
Depth of immersion	max 20 m
Liquid density	max 1100 kg/m <sup>3</sup>
Strainer hole size	7 mm x 16 mm
The pH of the pumped liquid	ph 5 - 8

## Motor data

Frequency	50 Hz
Insulation class	F (+155 °C)
Voltage variation	
- continuously running	max ± 5%
- intermittent running	max ± 10%
Voltage imbalance between phases	max 2%
No. of starts/hour	max 30

## Cable

SUBCAB®	3G1.5 4G1.5 4G1.5+2x1.5
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NSSHÖU 3x2.5+3x2.5/3E+3x1.5

## Monitoring equipment

Thermal contacts opening temp. +125°C

## Material

Cover	Aluminium alloy
Cooling jacket	Aluminium alloy
Intermediate piece	Aluminium alloy
Impeller	High chrome alloyed white cast iron
Wear parts	Nitrile rubber, high chrome cast iron
Stator housing	Stainless steel
Strainer	Stainless steel
Shaft	Stainless steel
O-rings	Nitrile rubber

## Mechanical face seals

Alternative	Inner seal	Outer seal
1	Tungsten carbide/Ceramic	Tungsten carbide/ Tungsten carbide

## Weight

Excl. cable	Clog resistant: 28 kg Wear resistant: 30 kg
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## Option

Warm liquid version  
Level regulator  
Starters  
Low suction collar  
Zinc anodes  
Other cables

## Accessories

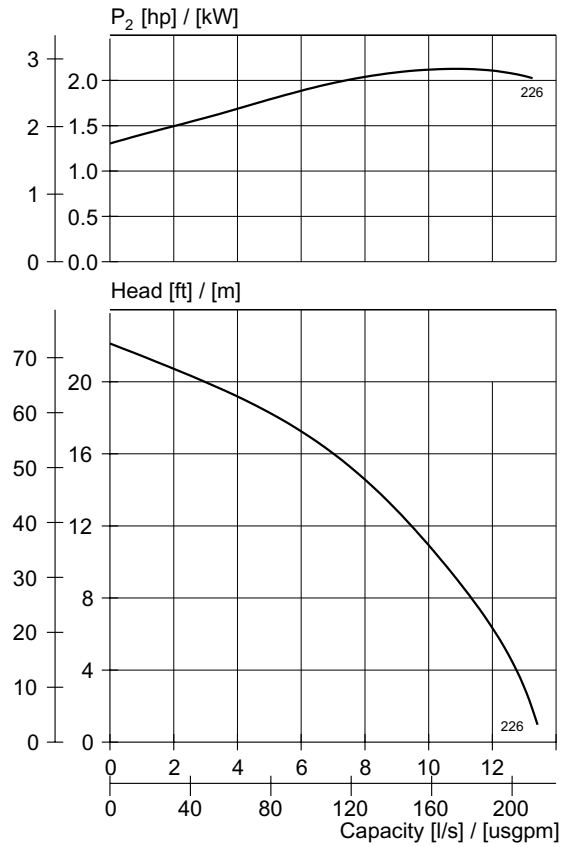
Adapters, hose connections and other mechanical accessories.  
Electrical accessories such as pump controller, control panels, monitoring relays, cables.  
See separate booklet or [www.flygt.com](http://www.flygt.com), for further information.

## Wear resistant MT- Motor rating and performance curve

**2620.170**

Curve/Impeller No	Rated Power, kW (hp)	Rated current, A	Starting current, A	Power factor $\cos \varphi$	Ex proof version available
<b>220 V D, 50 Hz, 3 ~, 2775 r/min</b>					
226	2.2 (3.0)	8.1	44	0.88	No
<b>230 V D, 50 Hz, 3 ~, 2800 r/min</b>					
226	2.2 (3.0)	8.1	47	0.85	No
<b>380 V Y, 50 Hz, 3 ~, 2775 r/min</b>					
226	2.2 (3.0)	4.7	25	0.89	No
<b>400 V Y, 50 Hz, 3 ~, 2800 r/min</b>					
226	2.2 (3.0)	4.7	27	0.84	No
<b>415 V Y, 50 Hz, 3 ~, 2820 r/min</b>					
226	2.2 (3.0)	4.7	28	0.80	No
<b>500 V Y, 50 Hz, 3 ~, 2795 r/min</b>					
226	2.2 (3.0)	3.7	21	0.86	No
<b>550 V Y, 50 Hz, 3 ~, 2835 r/min</b>					
226	2.2 (3.0)	3.9	24	0.74	No

Y/D starting current is approximately 1/3 of D starting current.

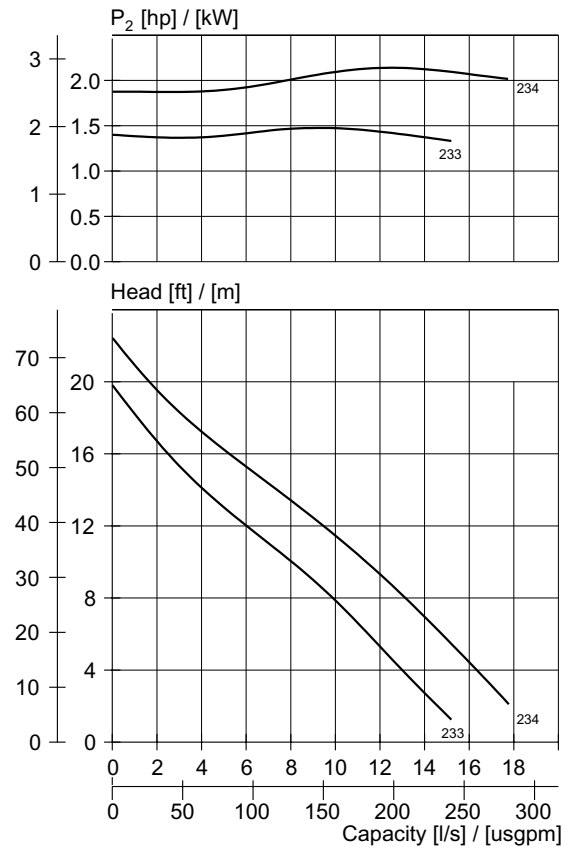


## Clog resistant MT- Motor rating and performance curve

**2620.170**

Curve/Impeller No	Rated Power, kW (hp)	Rated current, A	Starting current, A	Power factor cos $\phi$	Ex proof version available
<b>220 V D, 50 Hz, 3 ~, 2775 r/min</b>					
234	2.2 (3.0)	8.1	44	0.88	No
<b>230 V D, 50 Hz, 3 ~, 2800 r/min</b>					
234	2.2 (3.0)	8.1	47	0.85	No
<b>380 V Y, 50 Hz, 3 ~, 2775 r/min</b>					
234	2.2 (3.0)	4.7	25	0.89	No
<b>400 V Y, 50 Hz, 3 ~, 2800 r/min</b>					
234	2.2 (3.0)	4.7	27	0.84	No
<b>415 V Y, 50 Hz, 3 ~, 2820 r/min</b>					
234	2.2 (3.0)	4.7	28	0.80	No
<b>500 V Y, 50 Hz, 3 ~, 2795 r/min</b>					
234	2.2 (3.0)	3.7	21	0.86	No
<b>550 V Y, 50 Hz, 3 ~, 2835 r/min</b>					
234	2.2 (3.0)	3.9	24	0.74	No
<b>220 V, 50 Hz, 1 ~, 2810 r/min</b>					
233	1.5 (2.0)	8.7	31	0.99	No
<b>230 V, 50 Hz, 1 ~, 2830 r/min</b>					
233	1.5 (2.0)	8.4	32	0.98	No
<b>240 V, 50 Hz, 1 ~, 2845 r/min</b>					
233	1.5 (2.0)	8.3	34	0.96	No

Y/D starting current is approximately 1/3 of D starting current.

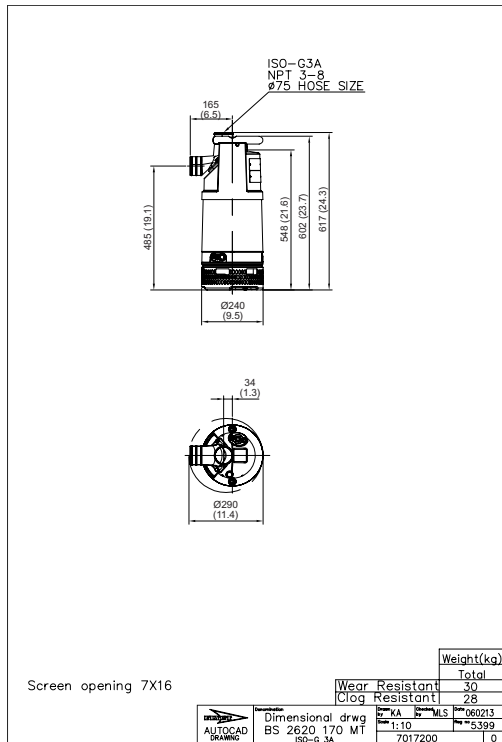


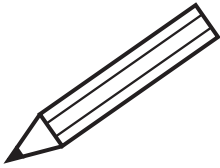
## Dimensional drawing

All drawings are available as Acrobat documents (.pdf) and AutoCad drawings (.dwg). Download the drawings from [www.flygt.com](http://www.flygt.com) or contact your ITT Flygt representative for more information.

All dimensions are in mm and (inch).

### MT, S-installation





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A series of horizontal dashed lines for writing practice, starting below the pencil illustration and extending across the width of the page.



[www.flygt.com](http://www.flygt.com)