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End of Disclaimer text.

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Technical specification

Submersible pump B 2125, 50 Hz

Flygt

ITT Industries

BIBO 2125

Product

Submersible pump for dewatering building yards, draining water in flooded areas, and other similar applications.

Denomination

Product code	2125.181
	2125.220
	2125.320
	2125.690
Installation	S
Impeller characteristics	MT, HT

Process data

Liquid temperature	max +40 °C
Depth of immersion	max 20 m
Liquid density	max 1100 kg/m^3
Strainer hole size	6 mm x 50 mm

The pH of the pumped liquid

Product code	pH
2125.181	5-8
2125.220	5-8
2125.320	6-13
2125.690	6-13

Motor data

Frequency	50 Hz
Insulation class	H (+180 °C)
Voltage variation	
- continuously running	max ± 5%
- intermittent running	max ± 10%
Voltage imbalance between phases	max 2%
No. of starts/hour	max 30

Cable

Direct-on-line start

SUBCAB®	4G2,5 mm^2
	4G4 mm^2
	4G4+2x1,5 mm^2
	4G6 mm^2
	4G10 mm^2

Y/D start

SUBCAB®	7G2,5+2x1,5 mm^2
	7G4+2x1,5 mm^2
	7G6+2x1,5 mm^2

Monitoring equipment

Thermal contacts opening temp.	125 °C

Material

Impeller

Product code	Alternative	Material
2125.181	1	Stainless steel
	2	High chrome alloyed cast iron
2125.220	1	High chrome alloyed cast iron
2125.320	1	High chrome alloyed cast iron
2125.690	1	Stainless steel
	2	High chrome alloyed cast iron

Wear parts	Nitrile rubber

Stator housing

Product code	Material
2125.181	Aluminium
2125.220	Aluminium
2125.320	Cast iron
2125.690	Cast iron

Strainer	Galvanized steel
Shaft	Stainless steel
O-rings	Nitrile rubber

Mechanical face seals

Alternative	Inner seal	Outer seal
1	Corrosion resistant cemented carbide/ Corrosion resistant cemented carbide	Corrosion resistant cemented carbide/ Corrosion resistant cemented carbide

Surface Treatment

Product code	Treatment
2125.181	The pump top is sprayed with blue paint.
2125.220	The pump top is sprayed with blue paint.
2125.320	Finishing coating of oxiran ester paint in grey colour.
2125.690	Finishing coating of oxiran ester paint in grey colour.

Weight

See dimensional drawing.

Approvals

2125.690	EN 50014, EN 50018, EEX de I

Option

Polyurethane-lined wear parts	POLY-LIFE®
Impeller (MT, HT)	Stainless steel
Starters	
Other cables	
Zinc anodes	
Tandem connection	
Strainer (.320/.690)	Stainless steel

Accessories

Adapters, hose connections and other mechanical accessories.

Electrical accessories such as pump controller, control panels, starters, monitoring relays, cables.

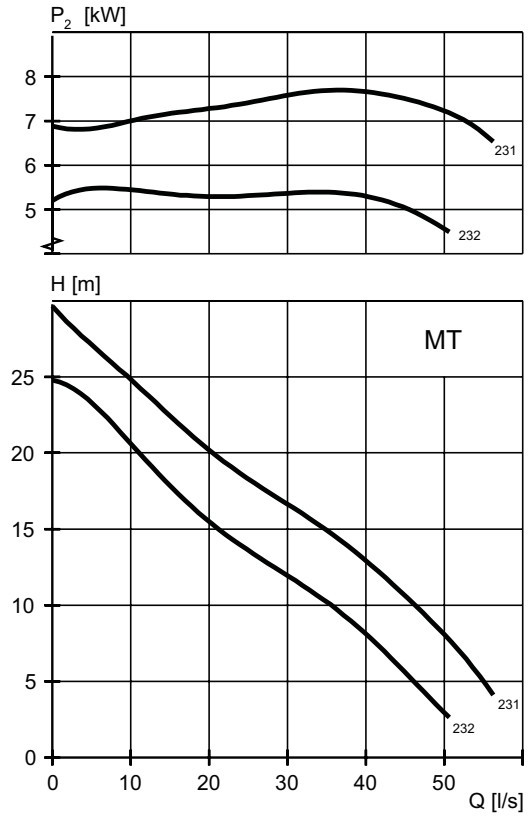
See separate booklet or www.flygt.com, for further information.

MT- Motor rating and performance curve

2125.181

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 2890 r/min					
231	8,0	15	120	0,88	
232	8,0	15	120	0,88	

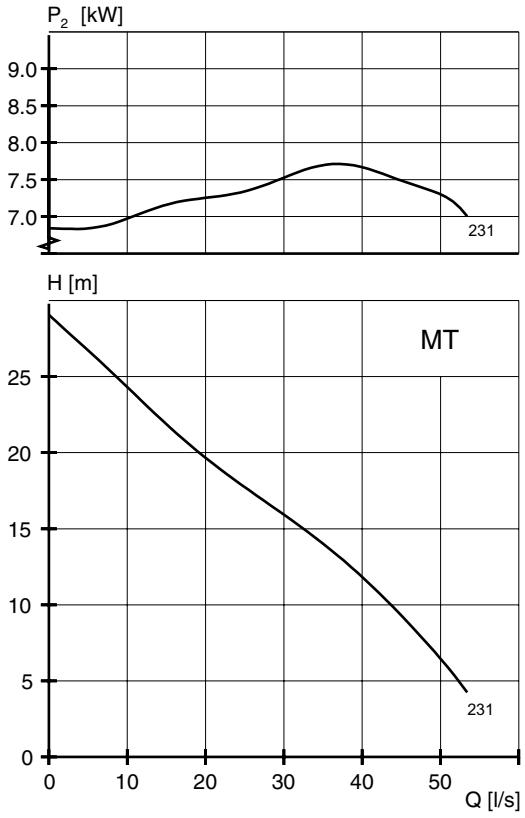
Y/D starting current is approximately 1/3 of D starting current.



2125.220

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 2880 r/min					
231	8,0	15	120	0,88	

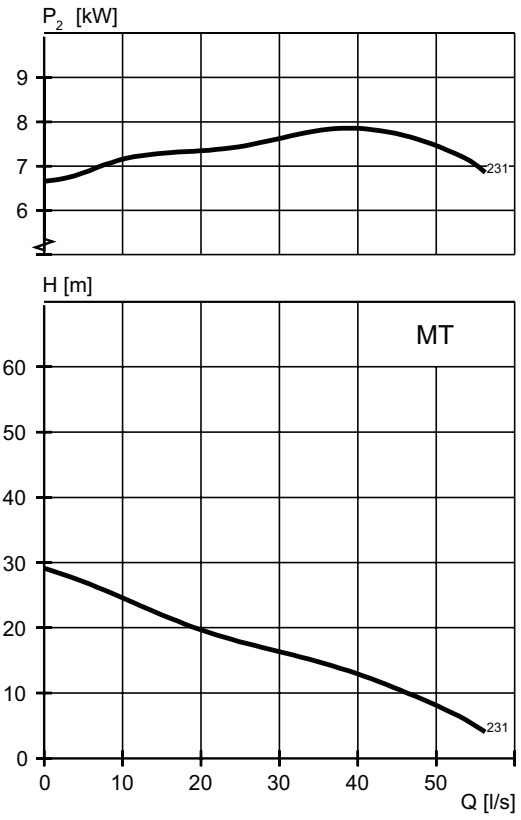
Y/D starting current is approximately 1/3 of D starting current.



2125.320/.690

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 2890 r/min					
231	8,0	15	120	0,88	•

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

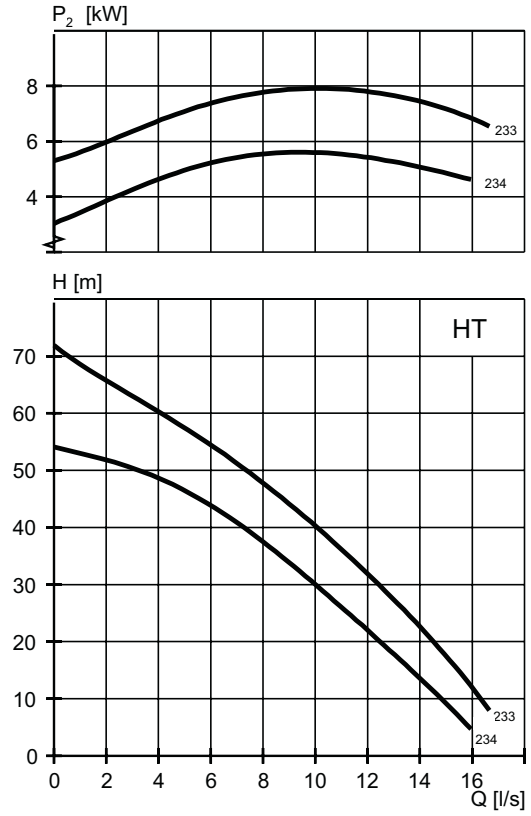


HT- Motor rating and performance curve

2125.181

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 2890 r/min					
233	8,0	15	120	0,88	
234	8,0	15	120	0,88	

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



2125.220

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
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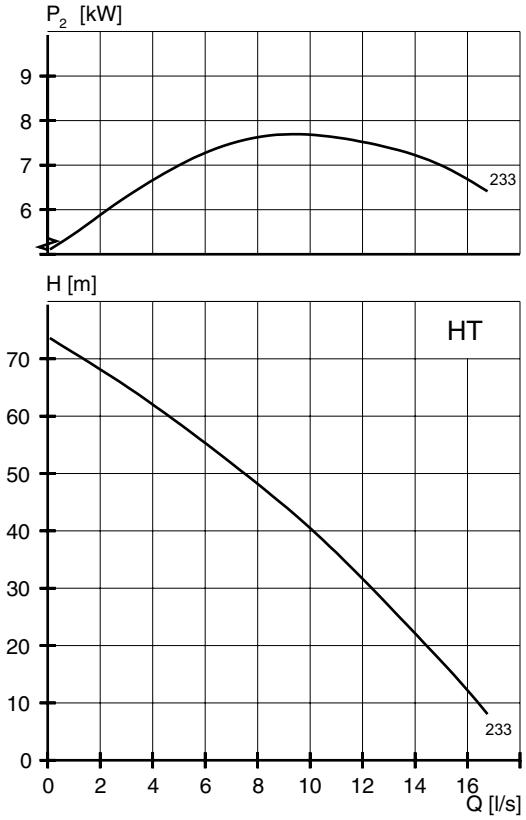
233	8,0	15	108	0,90	

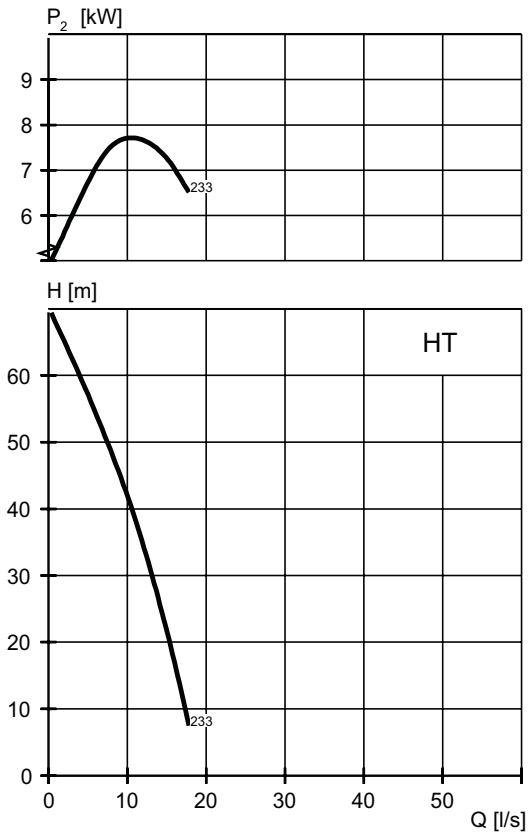
Y/D starting current is approximately 1/3 of D starting current.



2125.320/.690

Curve/Impeller No	Rated Power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 2890 r/min					
233	8,0	15	120	0,88	•

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

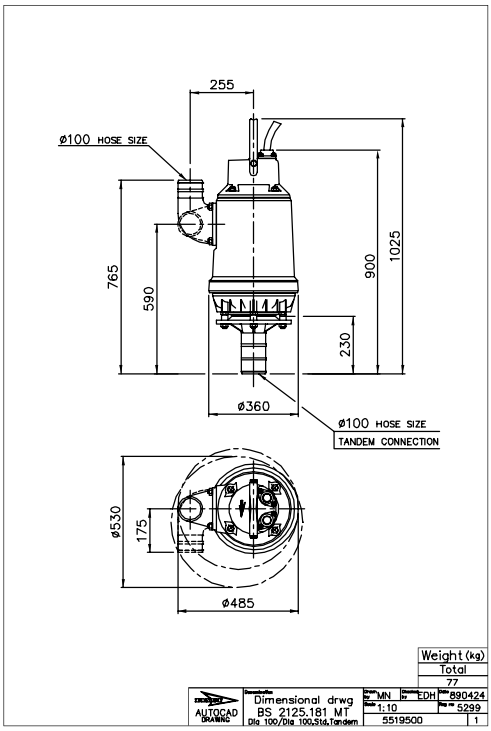


Dimensional drawing

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

All dimensions are in mm.

MT, S-installation



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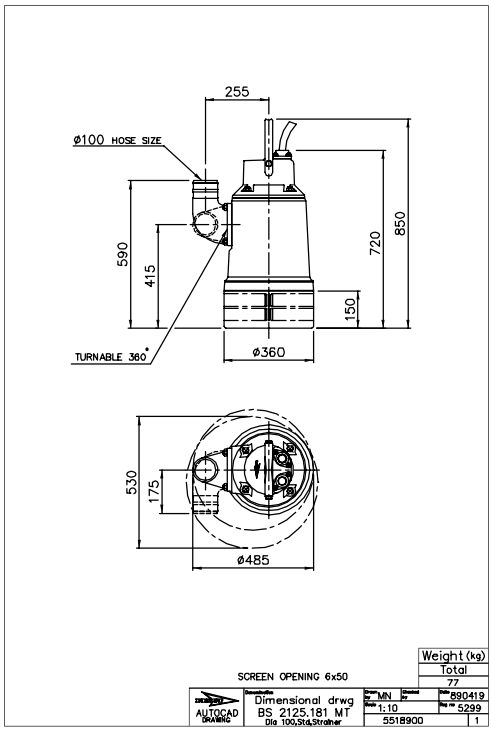

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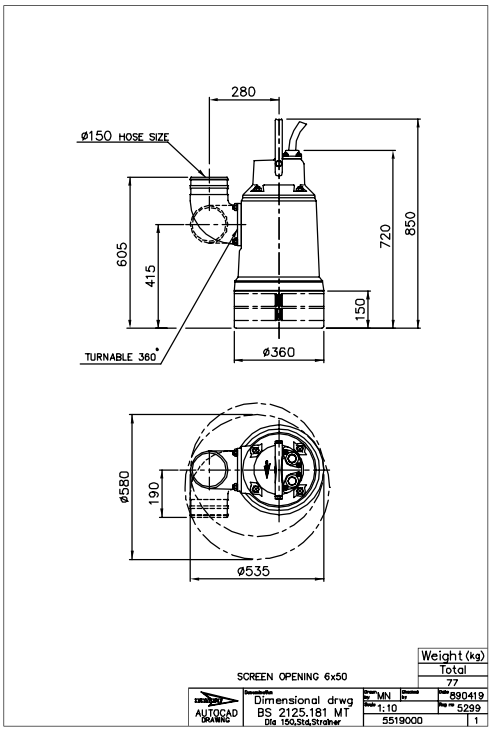

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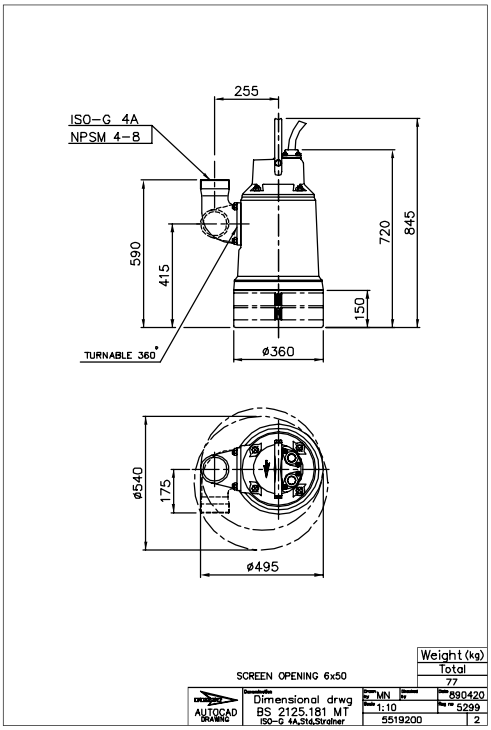

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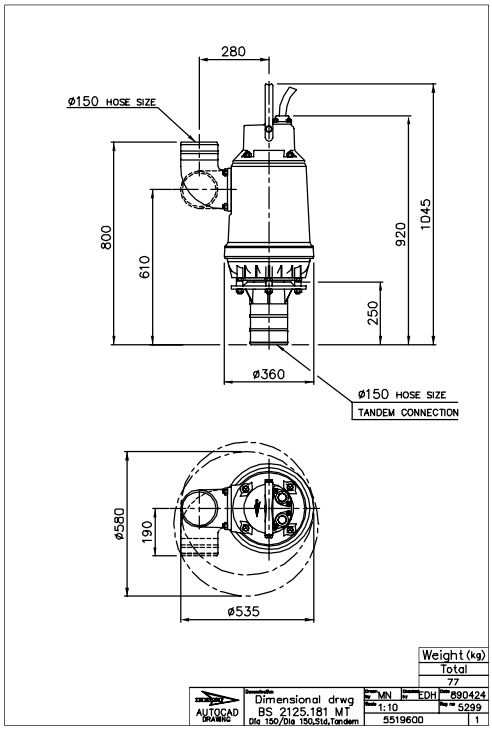

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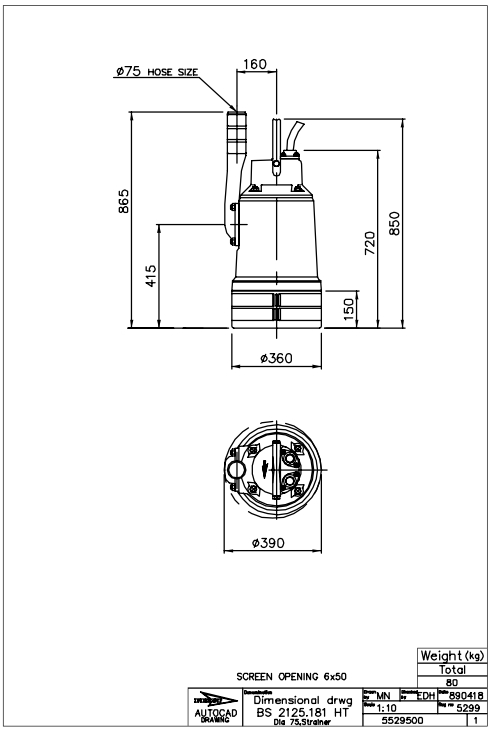

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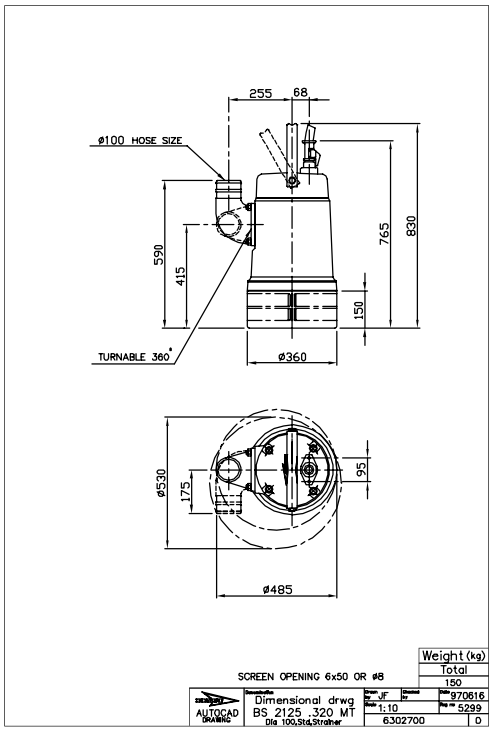

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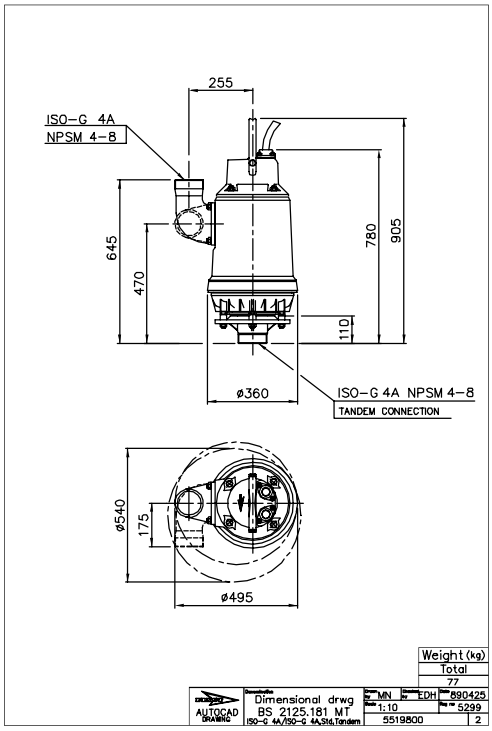

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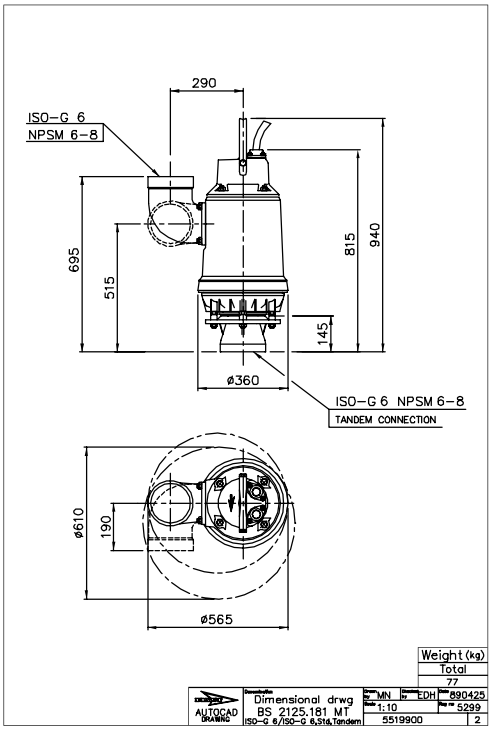

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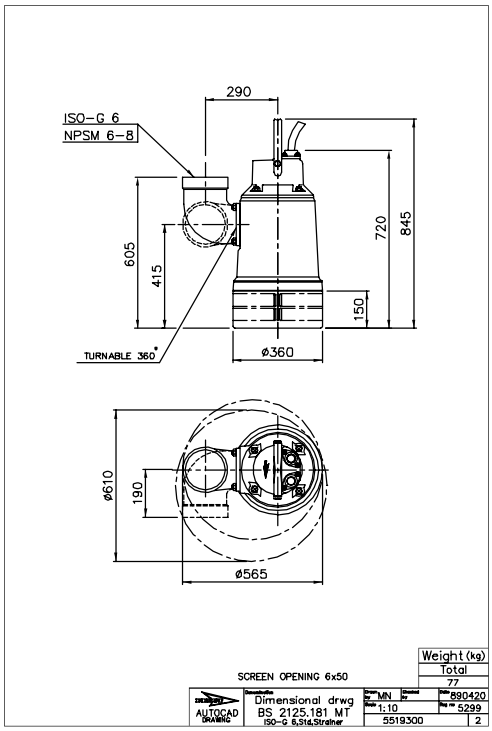

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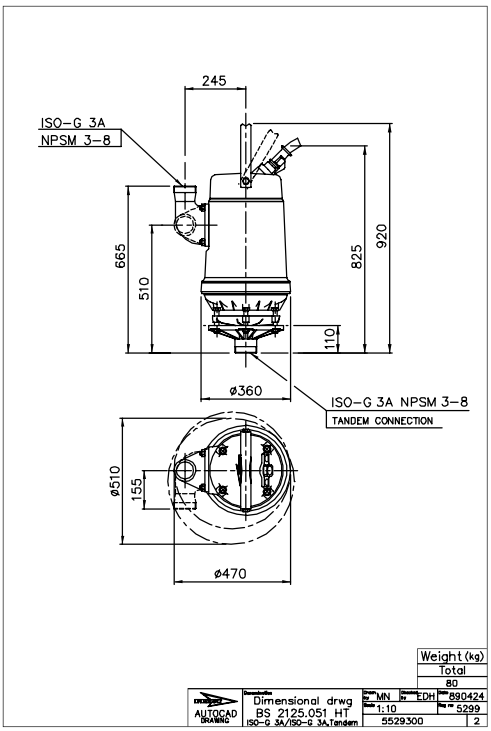

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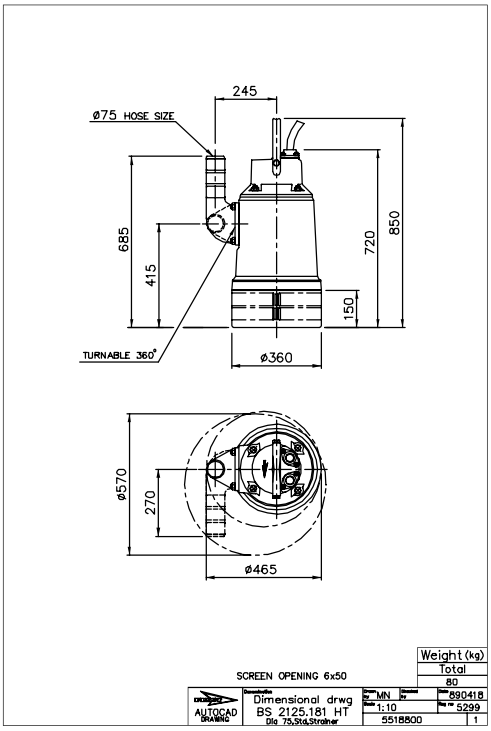

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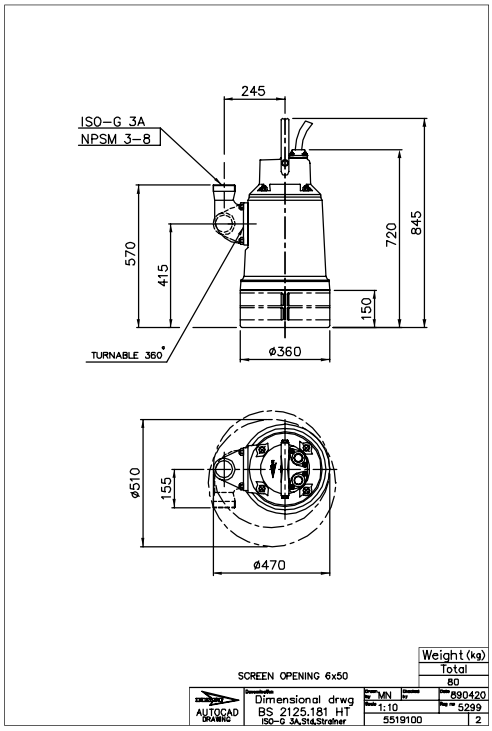

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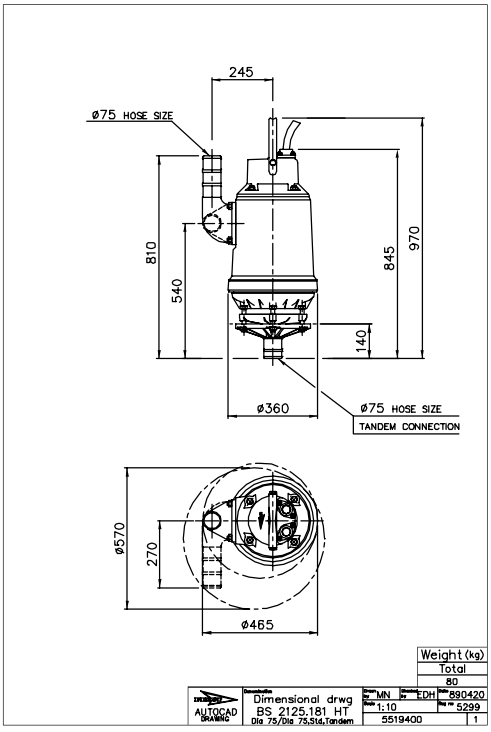

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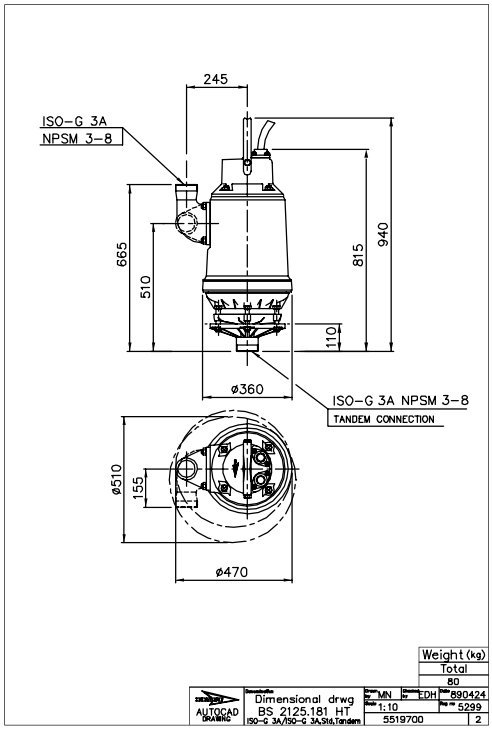

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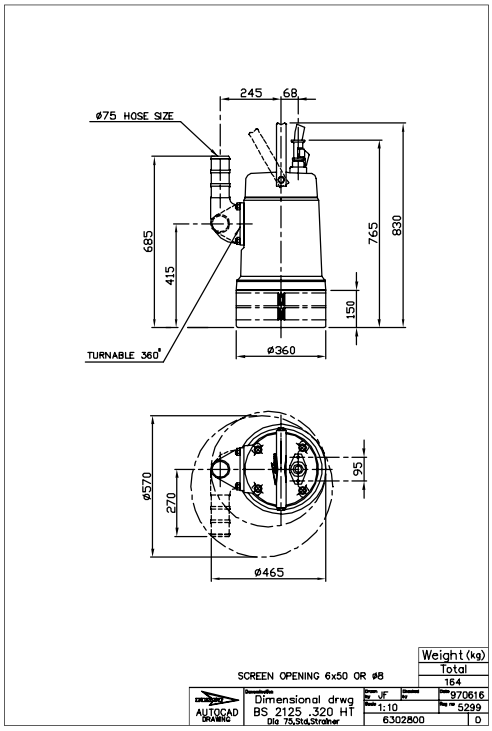

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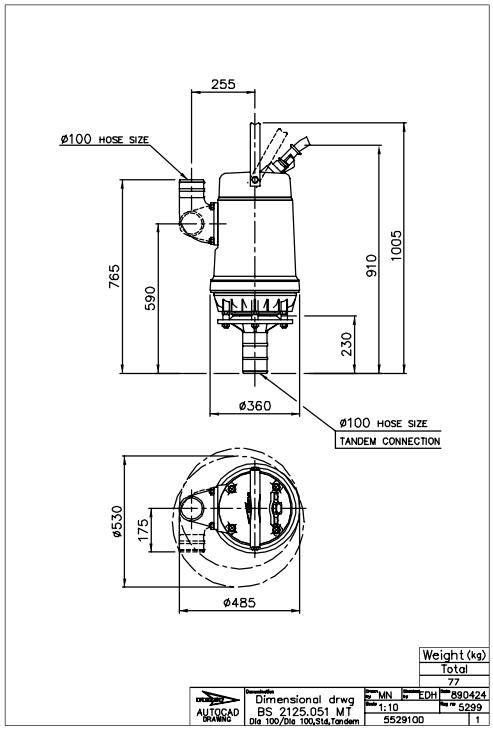

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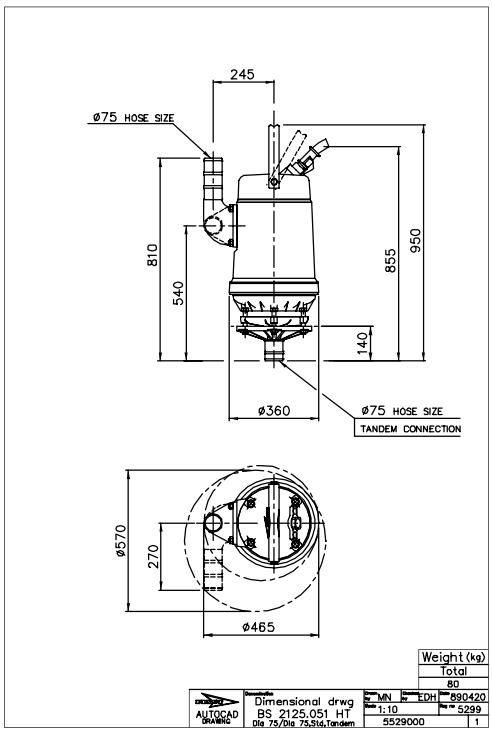

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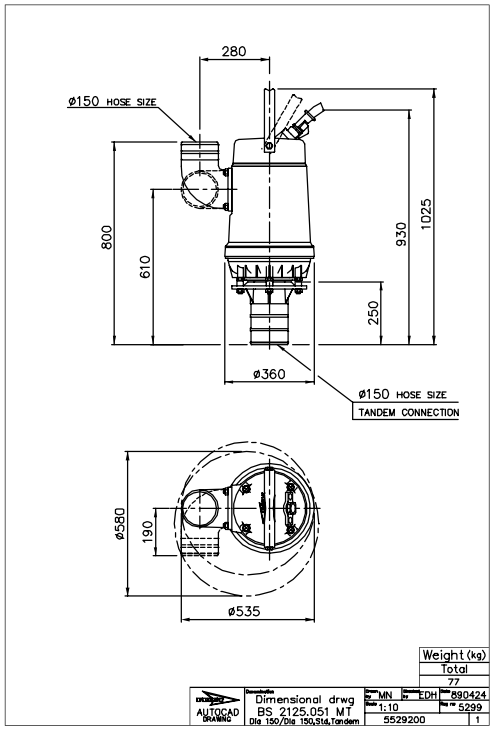

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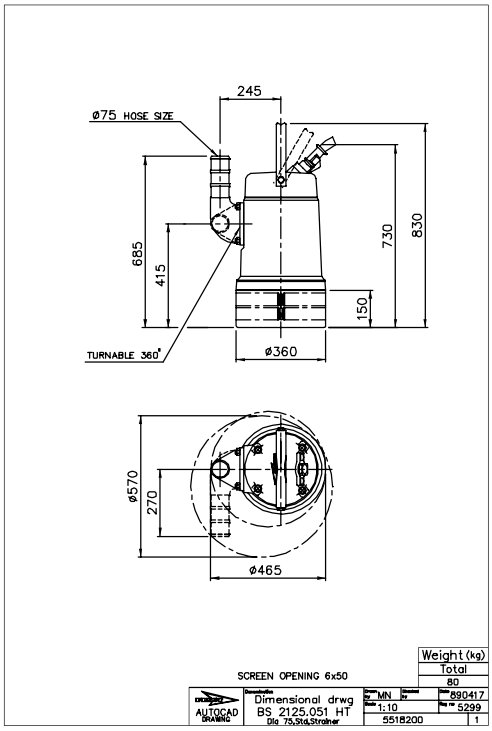

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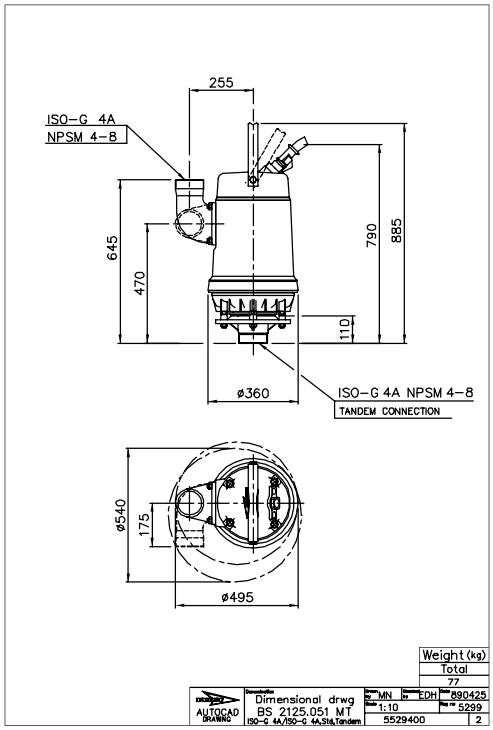

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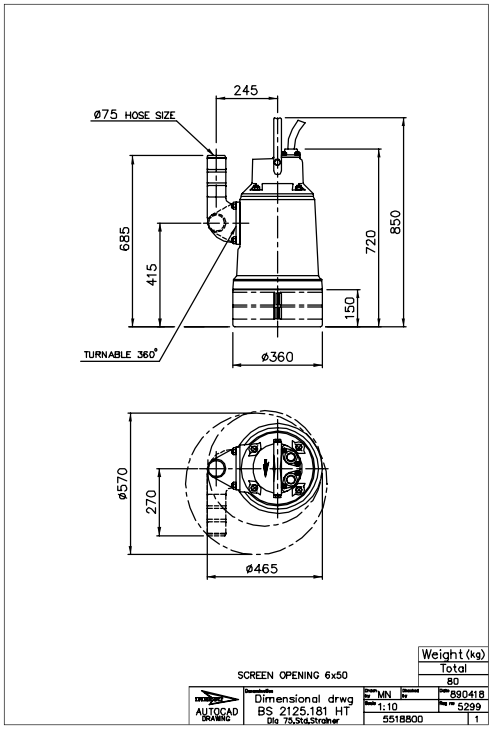

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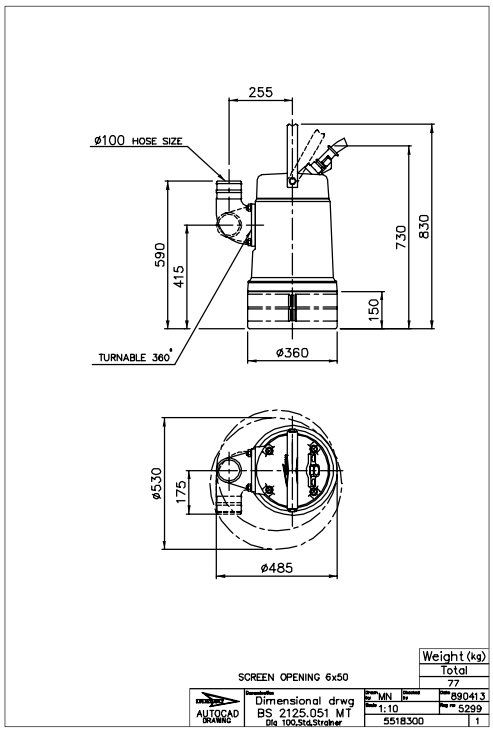

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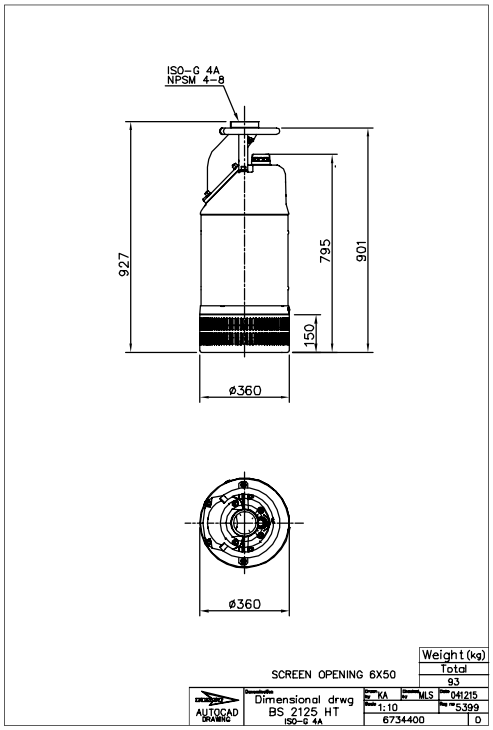

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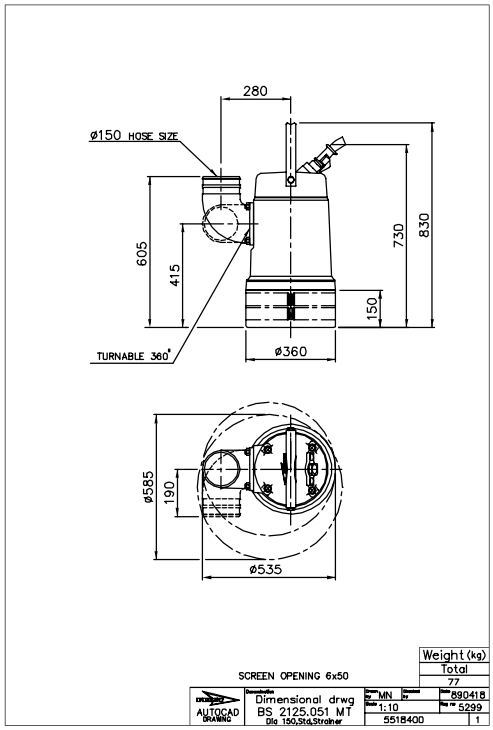

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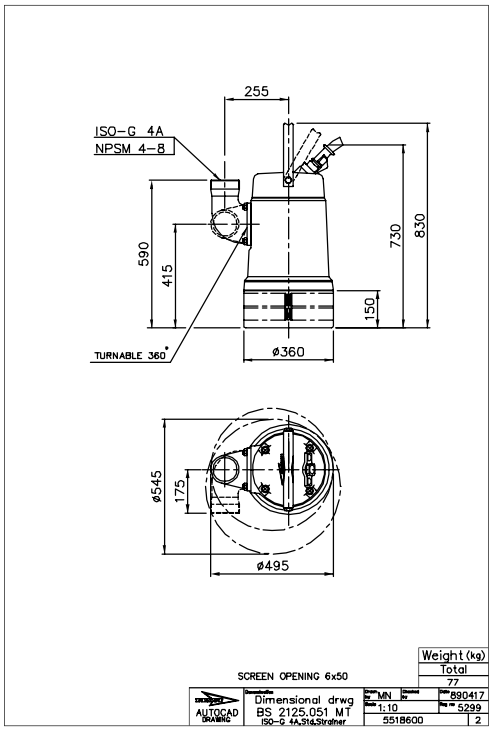

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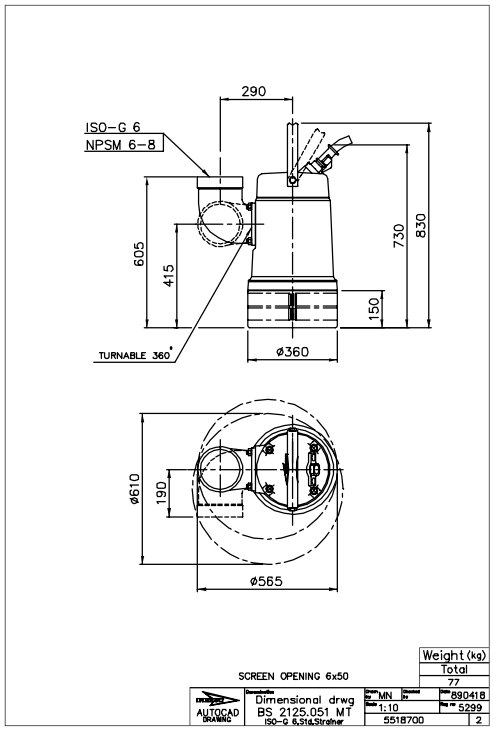

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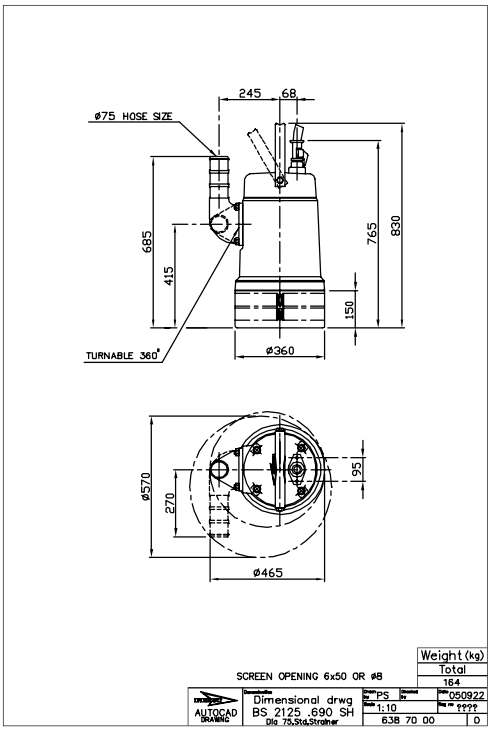

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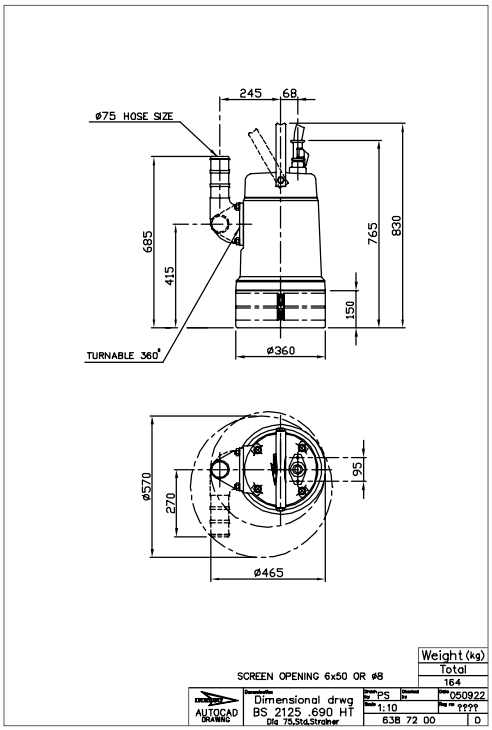

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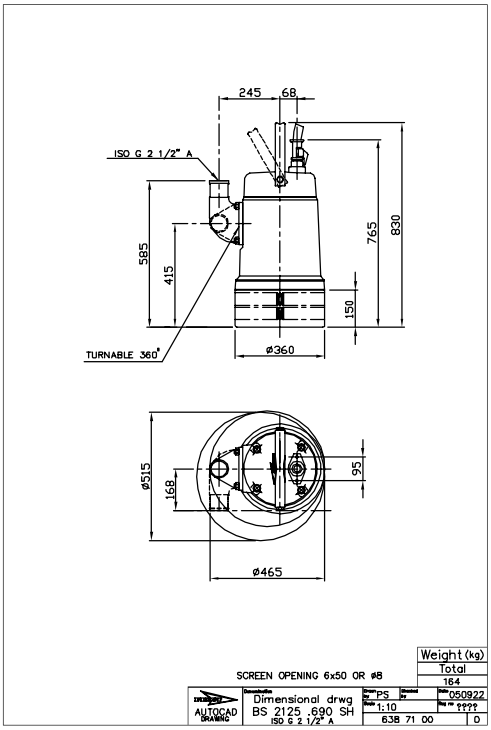

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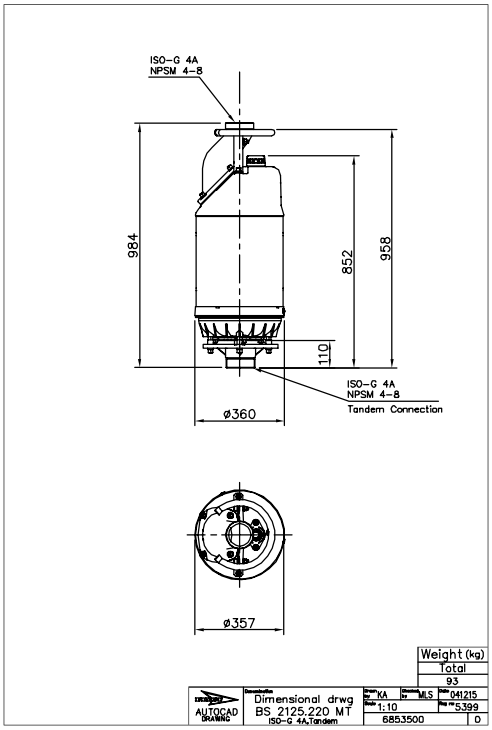

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