



YOUR PUMPING SOLUTION
CATALOG 2022





HISTORY

Founded in 1976, the Company OLIJU, led by Julio Nogueira Rodrigues, started its activity in the manufacture of electric pumps. Based in Rio Meão and Esmoriz Portugal, OLIJU has continued to grow and expand its milling facilities. Today is the symbol of efficiency and innovation.

PRODUCTION

A notable feature of Oliju is its high production flexibility with the ability to respond quickly to your needs, in quantity or specificity. The daily production can be increased in case of urgent demand. All products are tested for electrical and hydraulic functionality.

TECHNOLOGY

The growth of the company and regular investments have enabled OLIJU to implement innovative programs of research and development. Automated processes have been developed for the assembly of products, prototyping and testing. The products are constantly renewed according to standards and with the aim of reducing manufacturing costs.

HUMAN RESOURCES

The real wealth of OLIJU is its staff. In a difficult economic and social context, emphasis is placed on training and quality working conditions. To stimulate and encourage employees is to create innovation and develop the company's success. OLIJU is also waiting for the ISO 9000 (Quality Management).



**MADE IN
PORTUGAL**

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CMH
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ACCESSORIES

DRAINAGE DRENO

submersible pump for drainage



clean water



muddy water

Max Head 8 - 21m

Max Flow 5 - 34m³/h

Motor Power 0.15 - 1.5Kw

Discharge size G1F/G2F



KEY ADVANTAGES OF A DRENO PUMP

APPLICATION

Dreno are submersible drainage pumps with their 5 mm spherical passage. They are the ideal solution for pumping water from basements cellars sumps and collection tanks. Also suitable for pumping discharge from hand basins, showers and washing machines, for flood relief and water removal from water courses or reservoirs.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced carbon ceramic mechanical seal. Motor casing in stainless steel, 304 stainless steel open impeller, pump body in cast iron, 420 stainless steel shaft

PUMPED LIQUID

Clear water and drainage water containing soft solids up to 5 mm spherical clearance. Max. liquid temperature: 35°C.

MOTOR

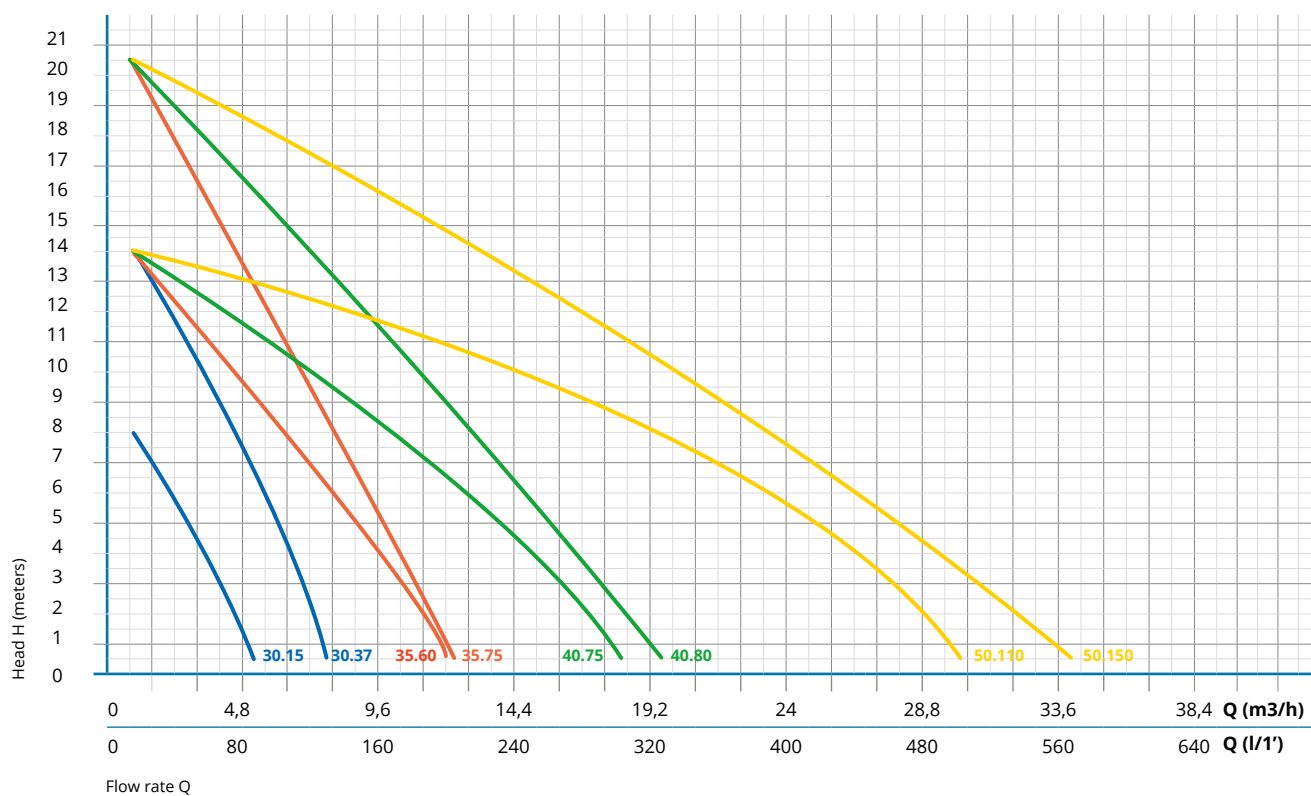
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene.
Immersion depth of 10 m.

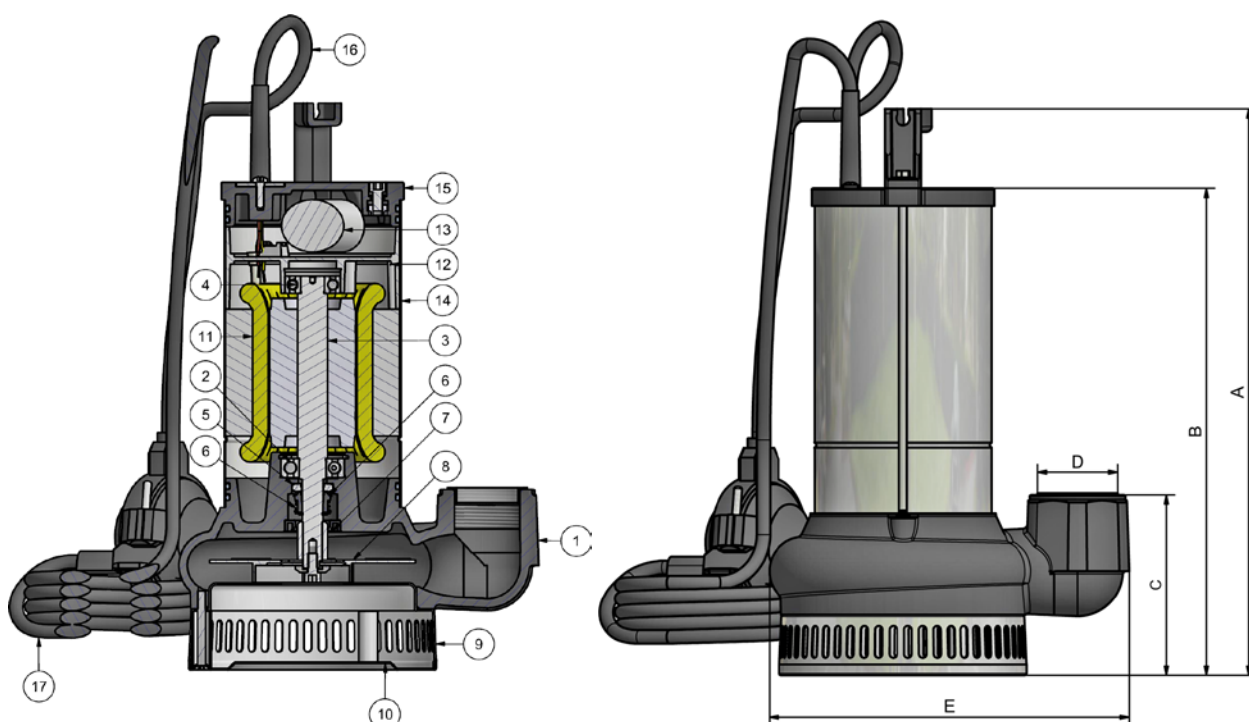
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER	MOTOR		PORT	Q m³/h	0	1,5	3	4,5	6	7,5	10,5	12	15	18	21	24	27	30
	kW	1~ A	3~ A			DN	l/min	0	25	50	75	100	125	175	200	250	300	350	400
R 30.15	0,15	2,9	1,1	1"	H - meters	8	6,7	4,9	2,7										
R 30.37	0,37	3,4	1,3			14	12,6	10,6	8,1	5,2	1,7								
R 35.60	0,6	4,0	1,8	1"¼		14	12,9	11,7	10,4	9	7,5	4,2	2,4						
R 35.75	0,75	5,4	2,6			21	19	16,9	14,6	12,3	9,7	4,3	1,3						
R 40.75	0,75	5,0	2,6	1"½		14	13,3	12,7	11,9	11,1	10,2	8,1	6,9	4,4	1,5				
R 40.80	0,8	7,8	3,0			21	19,6	18,2	16,7	15,2	13,7	10,6	9	5,7	2,3				
R 50.110	1,1	8,5	3,0	2"		14	13,6	13,4	13,2	12,9	12,5	11,7	11,3	10,2	8,9	7,4	5,7	3,8	1,7
R 50.150	1,5	8,8	4,0			21	19,9	19,2	18,5	17,7	17	15,4	14,6	13	11,3	9,5	7,7	5,9	3,9

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Body Dreno Pump	Cast Iron
2	Bearing	Steel
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
6	Mechanical Seal Mobile	Graphite Steel
7	Lip Seals	Nitrile Rubber
8	Impeller Pump Dreno	Stainless Steel
9	Body Filter Aspiration	Stainless Steel
10	Aspiration Filter Cover	Stainless Steel
11	Stator	-
12	Top Engine Support	Aluminium
13	Capacitor	-
14	Motor Casing	Stainless Steel
15	Pump Cover	Neoprene / Plastic
16	Float	Neoprene

TYPE	DIMENSIONS (mm)					WEIGHT	PALETTE
	A	B	C	ØD	E	Kg	Un
R 30.15	289,5	239,5	91	1"	136	8,9	60
R 30.37	299,5	249,5				9,1	
R 35.60	332	283	99	1"¼	218	11,0	
R 35.75	342	293				11,5	
R 40.75	347	298	114	1"½	227	12,0	
R 40.80	357	308				12,5	
R 50.110	400	352	125	2"	258	16,0	54
R 50.150	410	362				17,0	

DRAINAGE **DRENO RF**

submersible pump for drainage



clean water



muddy water

Max Head 30m

Max Flow 40m³/h

Motor Power 2.2Kw

Discharge size G2F



DRAINAGE
DRENO

KEY ADVANTAGES OF A DRENO RF PUMP

APPLICATION

Dreno are submersible drainage pumps with their 5 mm spherical passage. They are the ideal solution for pumping water from basements cellars sumps and collection tanks. Also suitable for pumping discharge from hand basins, showers and washing machines, for flood relief and water removal from water courses or reservoirs.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced SIC-SIC mechanical seal. Motor, impeller and pump body in cast iron, 420 stainless steel shaft

PUMPED LIQUID

Clear water and drainage water containing soft solids up to 5 mm spherical clearance. Max. liquid temperature: 35°C.

MOTOR

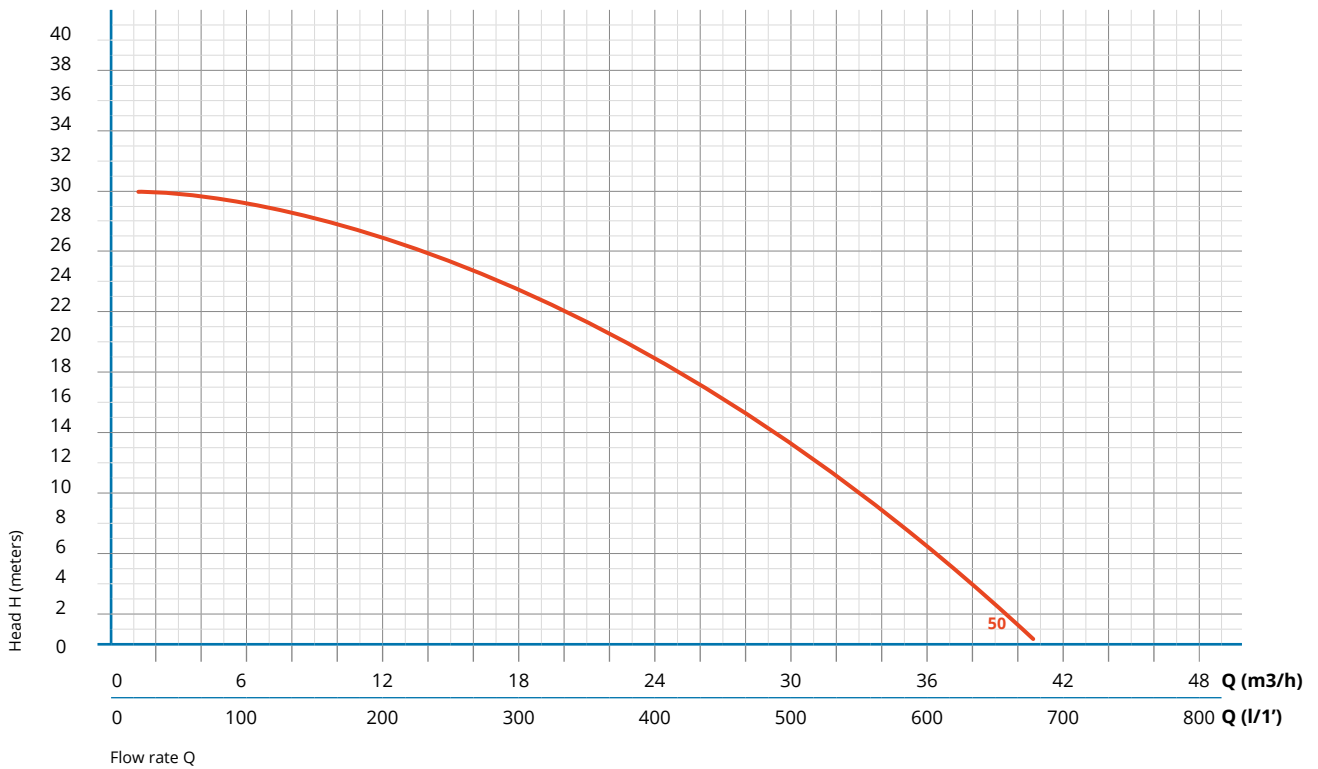
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene.
Immersion depth of 10 m.
Ideal for installation with guide rail.

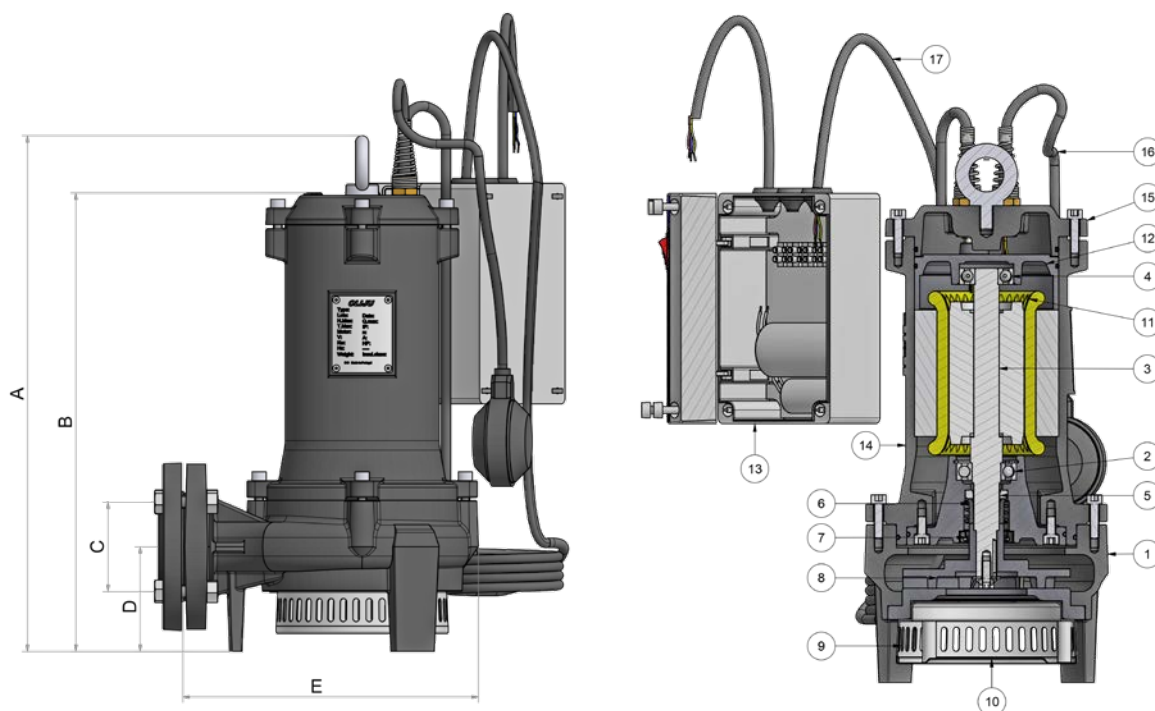
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER	MOTOR		PORT	Q m³/h l/min	0	6	12	18	21	24	27	30	33	36	39
	kW	1~ A	3~ A			DN	l/min	0	100	200	300	350	400	450	500	550
RF 50.220	2,2		5,3	2"	H- meters	30	29	26,8	23,4	21,3	18,9	16,1	13,1	9,8	6,2	2,2

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Body Dreno Pump	Cast Iron
2	Bearing	Steel
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
6	Mechanical Seal Mobile	Graphite Steel
7	Lip Seals	Nitrile Rubber
8	Impeller Pump Dreno	Cast Iron
9	Body Filter Aspiration	Stainless Steel
10	Aspiration Filter Cover	Stainless Steel
11	Stator	-
12	Top Engine Support	Aluminium
13	Capacitor Box	-
14	Motor Casing	Cast Iron
15	Pump Cover	Cast Iron
16	Float	Neoprene

TYPE	DIMENSIONS (mm)					WEIGHT Kg
	A	B	C	D	E	
RF 50.150	470	415	2"	95	294	36

SEWAGE VORTEX N

submersible pump for
sewage water



waste water



domestic use

SEWAGE
VORTEX N

Max Head 7 - 14m

Max Flow 9.6 - 30m³/h

Motor Power 0,15 - 1,5Kw

Discharge size G1¼ F/G2F



KEY ADVANTAGES OF A VORTEX N PUMP

APPLICATION

Vortex N series pumps are suitable for pumping drainage water and waste water. With 30 up to 50 mm spherical passage. They are used for various applications in the public and private sectors, trade and industry.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced carbon ceramic mechanical seal. Motor casing in stainless steel, 304 stainless steel or cast iron open impeller, pump body in cast iron, 420 stainless steel shaft.

PUMPED LIQUID

Clear water and drainage water, sewage containing soft solids. Max. liquid temperature: 35°C.

MOTOR

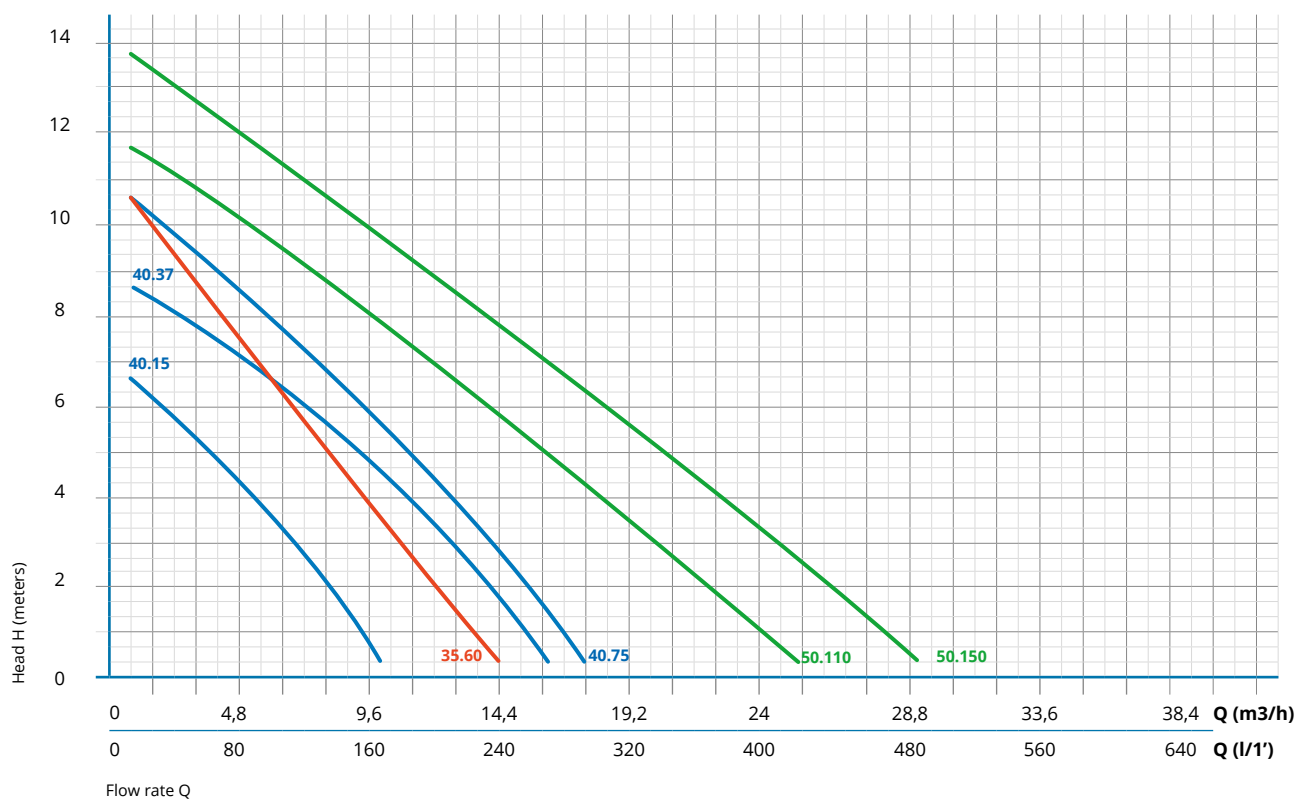
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene.
Immersion depth of 10 m.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz

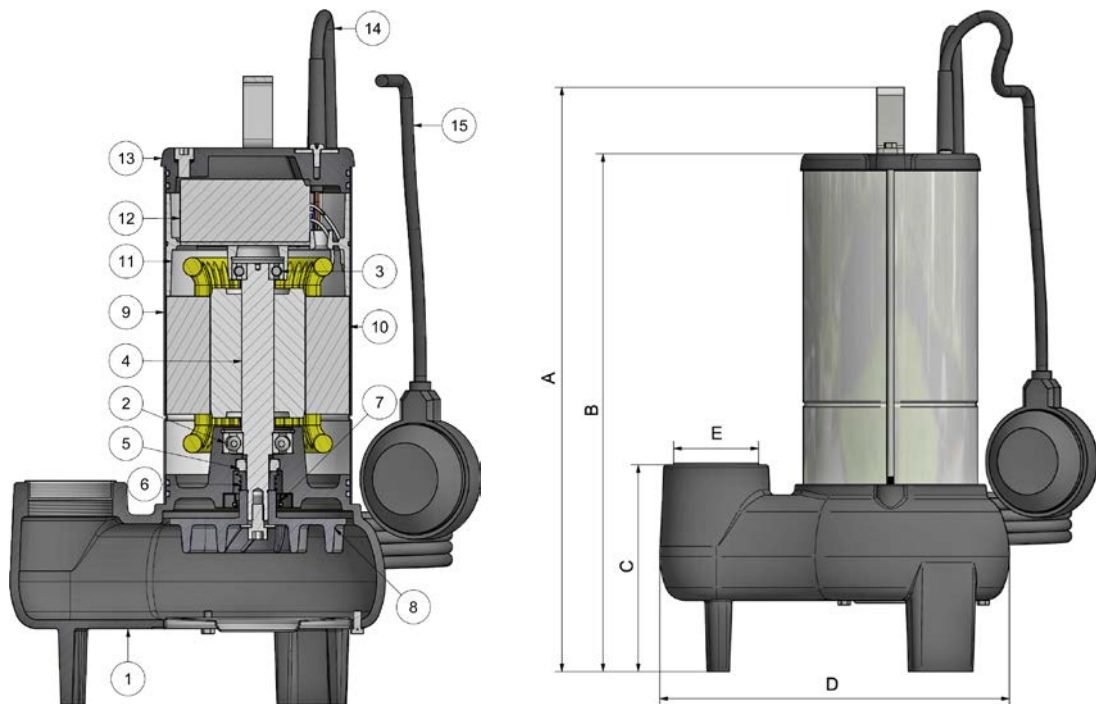


SEWAGE
VORTEX N

TYPE	POWER	MOTOR			PORT		Q m³/h	0	1,5	3	4,5	6	7,5	10,5	12	15	18	21	24	27	30
		1~ A	1~ µF	3~ A	Ømm	DN	l/min	0	25	50	75	100	125	175	200	250	300	350	400	450	500
N 35.60	0,6	5,2	16	1,4	33	1”¼	H - meters	11	10	8,8	7,6	6,5	5,3	3,2	2,2	0,2					
N 40.15	0,15	2	12	1	30	1”½		7	6,3	5,5	4,7	3,9	3	1,1							
N 40.37	0,37	3,4	16	1,3				9	8,5	8	7,4	6,8	6,1	4,6	3,7	1,8					
N 40.75	0,75	6,4	20	2,6	35	1”½		11	10,2	9,5	8,8	8	7,2	5,4	4,5	2,5	0,4				
N 50.110	1,1	9,0	35	3,0	50	2”		12	11,9	11,2	10,5	9,8	9,1	7,7	6,9	5,5	4,1	2,6	1,1		
N 50.150	1,5	9,4	40	3,7				14	13,6	12,9	12,1	11,3	10,6	9,1	8,4	7	5,6	4,2	2,9	1,5	0,3

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT

SEWAGE VORTEX N



POS	COMPONENT	MATERIALS
1	Body Vortex Pump	Cast Iron
2	Bearing	Steel
3	Bearing	Steel
4	Rotor / Shaft	Steel and Aluminium / Stainless Steel
5	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
6	Mechanical Seal Mobile	Graphite Steel
7	Lip Seals	Nitrile Rubber
8	Impeller	Cast Iron
9	Motor Casing	Stainless Steel
10	Stator	-
11	Top Engine Support	Aluminium
12	Capacitor	-
13	Pump Cover	-
14	Power Cable	Neoprene
15	Float	Neoprene / Plastic

TYPE	DIMENSIONS (mm)						WEIGHT	PALETTE
	A	B	C	D	ØE	Ø (passage)	Kg	Un
N 35.60	331	281	111	211	1" ¼	33	10,5	75
N 40.15	315	265		213	1" ½	30	9,8	
N 40.37	325	275				10		
N 40.75	354	304	123	220	35	11,5		
N 50.110	427	379	151	255	2"	50	17,0	54
N 50.150	437	389					19,0	

SEWAGE VORTEX F

submersible pump for
sewage water



waste water



domestic use

Max Head 11 - 16m

Max Flow 15 - 69m³/h

Motor Power 0.6 - 3Kw

Discharge size G1¼ F/G3F



SEWAGE
VORTEX F

KEY ADVANTAGES OF A VORTEX F PUMP

APPLICATION

Vortex F series pumps are suitable for pumping drainage water and waste water. With 33 up to 80 mm spherical passage. They are used for various applications in the public and private sectors, trade and industry.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced SIC-SIC mechanical seal. Motor casing in stainless steel, 304 stainless steel or cast iron open impeller, pump body in cast iron, 420 stainless steel shaft.

PUMPED LIQUID

Clear water and drainage water, sewage containing soft solids. Max. liquid temperature: 35°C.

MOTOR

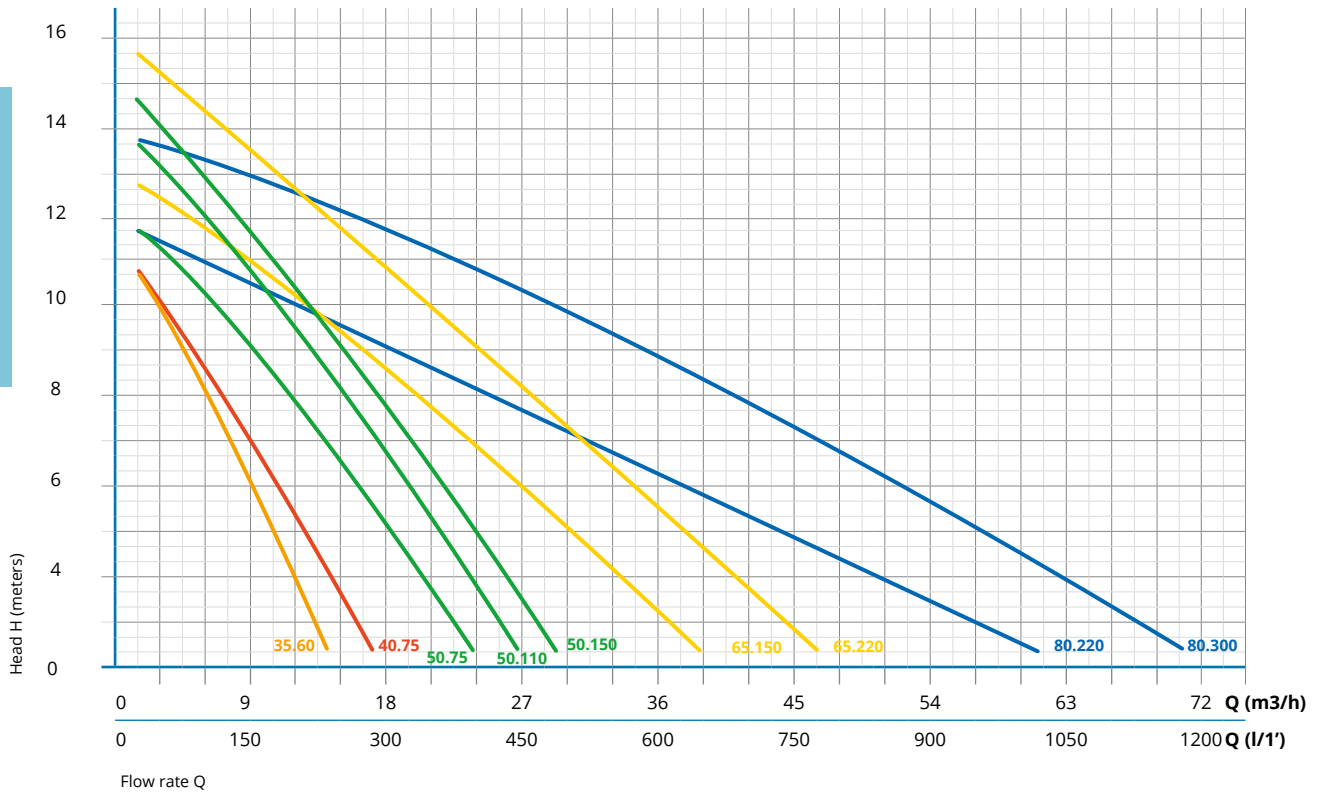
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene.
Immersion depth of 10 m.
Ideal for installation with guide rail.

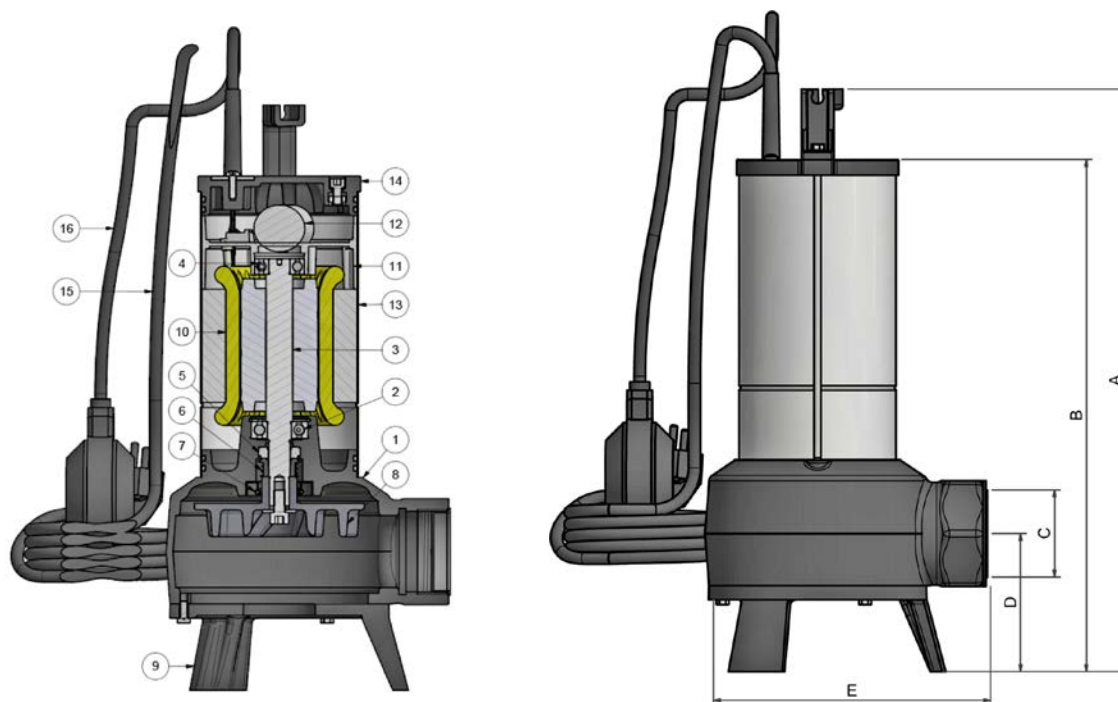
CHARACTERISTIC CURVES AND PERFORMANCE DATA

SEWAGE VORTEX F



TYPE	POWER	MOTOR			PORT		Q m³/h	0	3	6	9	12	15	18	24	27	30	36	48	60	72
	kW	1~ A	1~ µF	3~ A	Ømm	DN	l/min	0	50	100	150	200	250	300	400	450	500	600	800	1000	-
F 35.60	0,6	5,2	16	1,4	33	1"¼	H - meters	11	10,1	8,1	5,7	3	0								
F 40.75	0,75	6,4	20	2,6	38	1"½		11	9,7	8,4	6,8	4,9	2,7	0							
F 50.75		7,7	20	2,8	50	2"		12	11,4	10,3	9	7,7	6,2	4,6	1,1						
F 50.110	1,1	8,9	35	3,0				14	13,1	12,1	10,9	9,5	8	6,4	2,7	0,7					
F 50.150	1,5	9,8	35	3,7	65	2" ½		15	14,1	13,1	12	10,8	9,4	7,8	4,4	2,4	0				
F 65.150		11,3	40	4,8				13	12,5	12	11	10	9	8	6	5,1	4,1	2,2			
F 65.220	2,2	-	-	6,1	80	3"		16	15,3	14,4	13,5	12,6	11,7	10,7	8,8	7,9	6,9	4,9	0		
F 80.220		12,2	50	5				12	11,5	11	10,5	10	9,6	9,1	8,1	7,6	7	5,9	3,5	0,8	
F 80.300	3	-	-	8				14	13,7	13,3	12,9	12,5	12,1	11,6	10,6	10,1	9,5	8,4	5,9	3	0

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



SEWAGE
VORTEX F

POS	COMPONENT	MATERIALS
1	Body Vortex Pump F50.75	Cast Iron
2	Bearing	Steel
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
6	Mechanical Seal Mobile	Graphite Steel
7	Lip Seals	Nitrile Rubber
8	Impeller Pump Vortex	Cast Iron
9	Bottom Support Pump Vortex	Cast Iron
10	Stator	-
11	Top Engine Support	Aluminium
12	Capacitor	-
13	Motor Casing	Stainless Steel
14	Pump Cover	Noryl
15	Power Cable	Neoprene
16	Float	Neoprene / Plastic

TYPE	DIMENSIONS (mm)						WEIGHT	PALETTES
	A	B	C	D	Ø (passage)	E	Kg	Un
F 35.60	340	290	1"¼	70	33	174	11,5	51
F 40.75	371	321	1"½	80	38	180	13,5	
F 50.75	413	363	2"	98	50	200	15,5	
F 50.110	432	383				210	20,0	
F 50.150	442	393					20,5	
F 65.150	495	447	2"½	115	65	217	22,0	30
F 65.220							25,0	
F 80.220	538	493	3"	141	80	240	28	
F 80.300	548	503					30	

SEWAGE VORTEX SV

submersible pump for
sewage water



waste water



industrial use

Max Head 12 - 15m

Max Flow 16 - 70m³/h

Motor Power 0.75 - 4Kw

Discharge size 40 - 80



KEY ADVANTAGES OF A VORTEX SV PUMP

APPLICATION

Vortex SV series pumps are suitable for pumping drainage water and waste water. With 40 up to 80 mm spherical passage. They are used for various applications in the public and private sectors, trade and industry.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced SIC-SIC mechanical seal. Motor casing, pump body and open impeller in cast iron, 420 stainless steel shaft.

PUMPED LIQUID

Clear water and drainage water, sewage containing soft solids. Max. liquid temperature: 35°C.

MOTOR

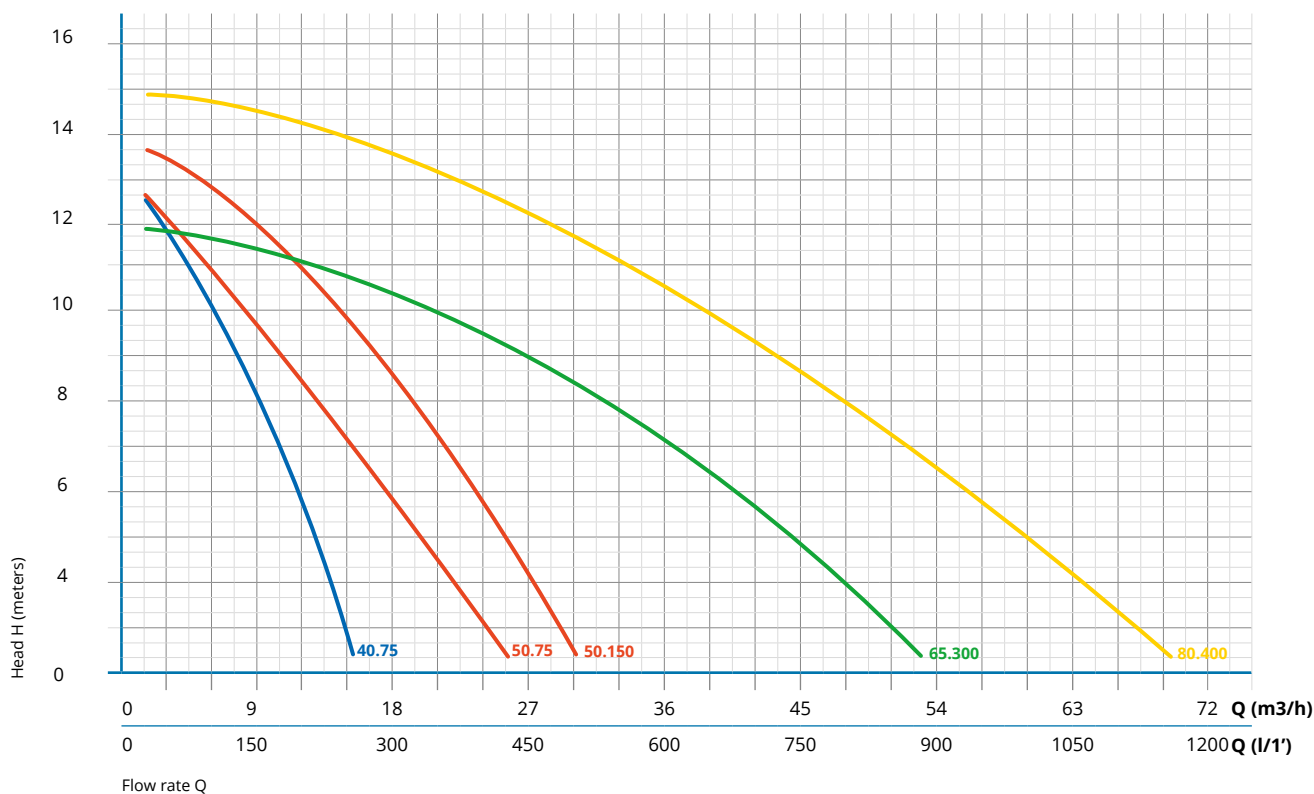
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene.
Immersion depth of 10 m.
Ideal for installation with guide rail.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz

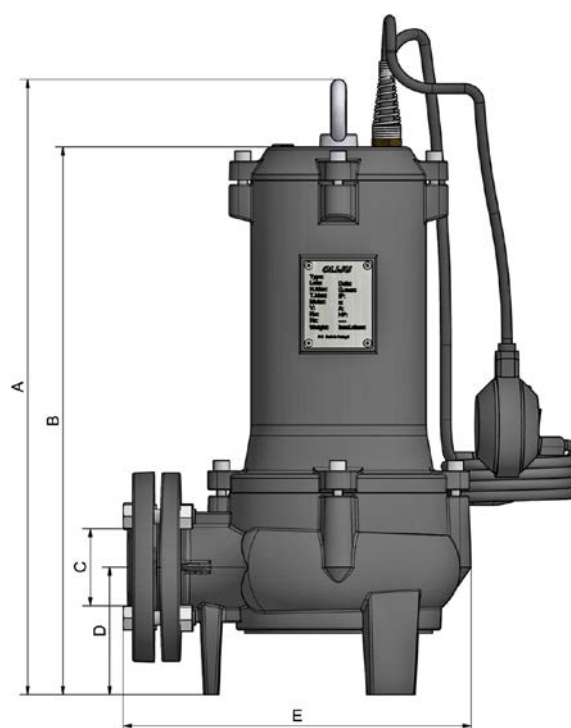
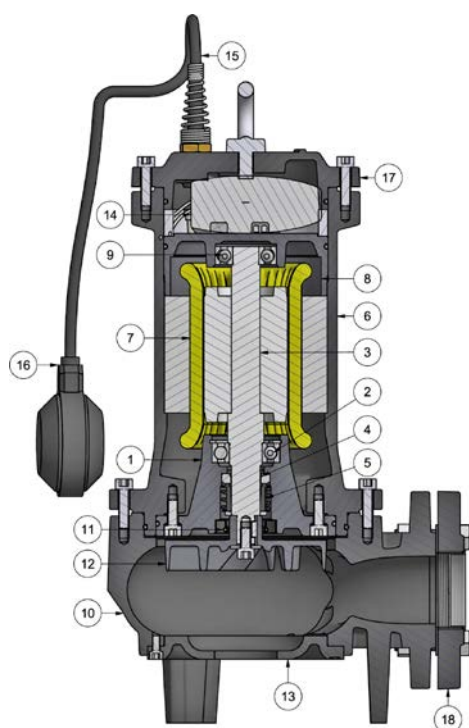


SEWAGE
VORTEX SV

TYPE	POWER	MOTOR			PORT	Q m³/h	0	6	9	12	15	18	21	24	27	30	36	48	54	66
	kW	1~ A	1~ µF	3~ A			DN	l/min	0	100	150	200	250	300	350	400	450	500	600	800
SV 40.75	0,75	4,8	20	1,4	40	H - meters	13	10	7,8	5,3	2,4									
SV 50.75		7,2		2,8	50		13	10,9	9,6	8,2	6,7	5,1	3,4	1,5						
SV 50.150	1,5	8,6	40	3			14	12,9	12,1	11,1	9,8	8,4	6,7	4,8	2,8	0,5				
SV 65.300	3	-	-	4,8	65		12	11,8	11,6	11,3	10,9	10,5	10,1	9,5	8,9	8,3	6,7	2,9	0,6	
SV 80.400	4	-	-	8,8	80		15	14,7	14,4	14,2	13,9	13,5	13,1	12,7	12,2	11,7	10,6	7,9	6,3	2,6

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT

SEWAGE VORTEX SV



POS	COMPONENT	MATERIALS
1	Rotor Support	Cast Iron
2	Bearing	Steel
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
5	Mechanical Seal Mobile	Graphite Steel
6	Motor Casing	Cast Iron
7	Stator	-
8	Top Engine Support	Cast Iron
9	Bearing	Steel
10	Body Pump	Cast Iron
11	Lip Seals	Nitrile Rubber
12	Impeller	Cast Iron
13	Bottom Cover	Cast Iron
14	Condenser	-
15	Power Cable	Neoprene
16	Float	Neoprene / Plastic
17	Top Cover	Cast Iron
18	Flange	Cast Iron

TYPE	DIMENSIONS (mm)					WEIGHT Kg
	A	B	C	D	E	
SV 40.75	443	391	1"½	84	226	22
SV 50.75	466	413	2"½	98	230	23
SV 50.150	492,5	438,5		102	278	34
SV 65.300	536	481	2"½	127	315	45
SV 80.400	598	548	3"	150,7	338	60

SEWAGE GRINDER

submersible pump for
sewage water



waste water



domestic use

Max Head 12 - 15m

Max Flow 16 - 70m³/h

Motor Power 0.75 - 4 Kw

Discharge size 40 - 80



SEWAGE
GRINDER

KEY ADVANTAGES OF A GRINDER PUMP

APPLICATION

The electric pumps "Grinder" are particularly suitable for the capture and drainage of heavy rainwater, with solids and fibers. The grinding system ensures that all solids and fibers "are crushed into small pieces to pass through the turbine and tubes.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level in the sump.

MATERIALS

Double seals, lip seals and reinforced SIC-SIC mechanical seal. Motor casing, pump body and open impeller in cast iron, 420 stainless steel shaft. Grinder system.

PUMPED LIQUID

Water loaded with solids and fibers. Max. liquid temperature: 35°C.

MOTOR

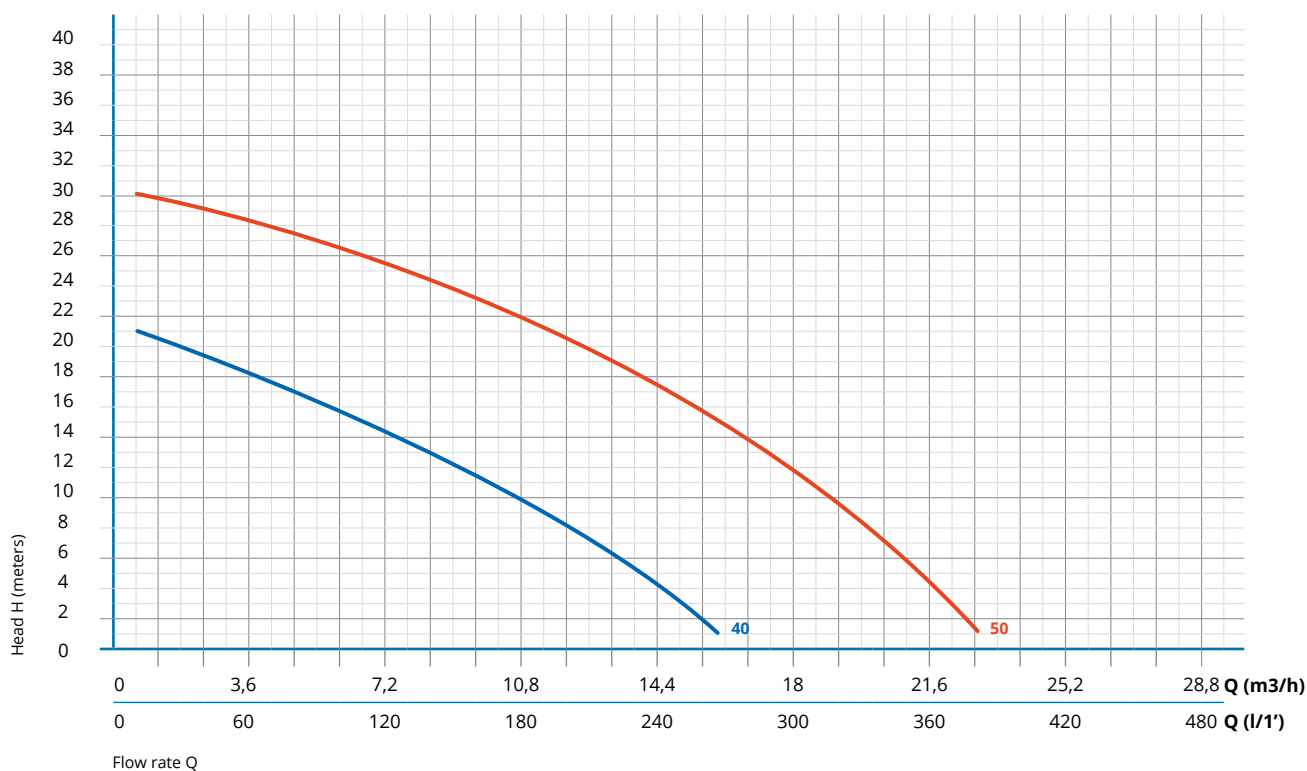
Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 10 m neoprene for SGR40.
Power cable: 20 m neoprene for SGR50.
Immersion depth of 10 m.
Protection box in monophasic version
Ideal for installation with guide rail.

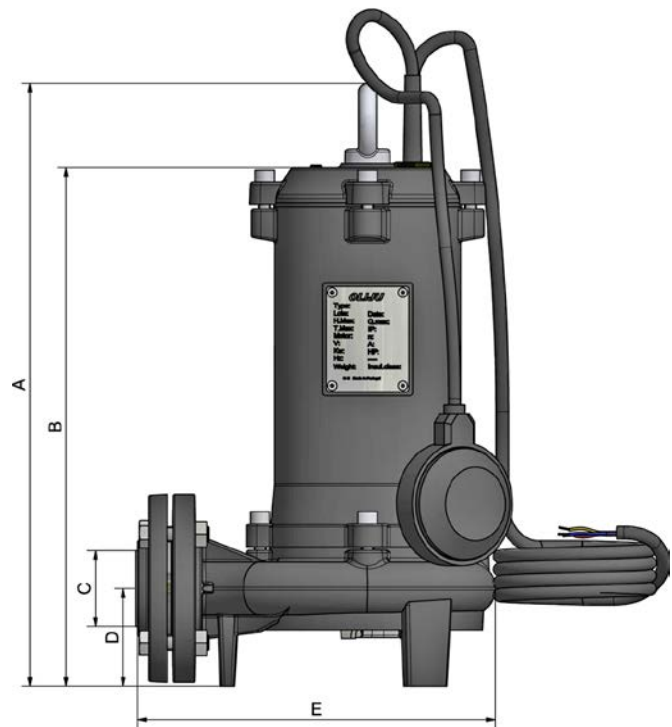
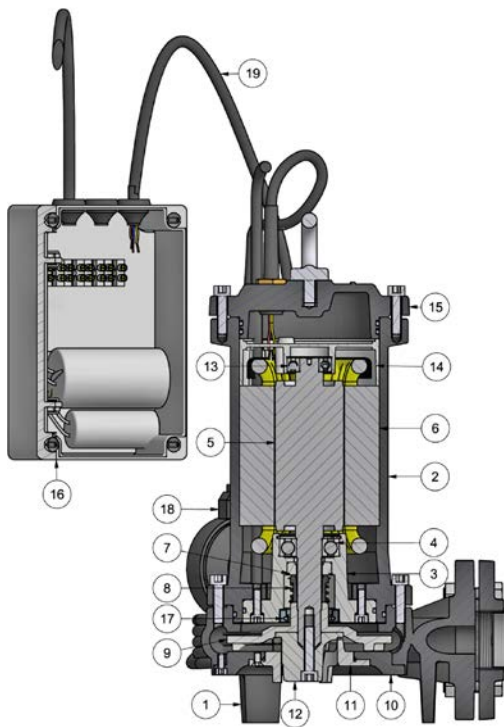
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER	MOTOR			PORT	Q m³/h													
		1~ A	1~ µF	3~ A		DN	l/min	0	1,5	3	4,5	6	7,5	10,5	12	15	18	21	
	kW					0	25	50	75	100	125	175	200	250	300	350			
SGR 40.150	1,5	7,2	35	2,1	1"½	H - meters	21	20	18,8	17,4	15,9	14,2	10,3	8,1	3,1				
SGR 50.220	2,2	10	40	4,6	2		30	29,8	29,4	28,8	27,8	26,7	23,6	21,7	17,2	11,7	4,9		

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



SEWAGE
GRINDER

POS	COMPONENT	MATERIALS
1	Body Pump	Cast Iron
2	Motor Casing	Cast Iron
3	Rotor Support SGR	Cast Iron
4	Bearing	Steel
5	Rotor / Shaft	Steel and Aluminium / Stainless Steel
6	Stator	-
7	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
8	Mechanical Seal Mobile	Graphite Steel
9	Impeller	Cast Iron
10	Bottom Cover	Cast Iron
11	Crushed Dish	Stainless Steel
12	Crusher	Stainless Steel
13	Bearing	Steel
14	Top Engine Support	Aluminium
15	Top Cover	Cast Iron
16	Simple Cover Board	-
17	Lip Seals	Nitrile Rubber
18	Float	Neoprene Plastic
19	Power Cable	Neoprene

TYPE	DIMENSIONS (mm)					WEIGHT Kg
	A	B	C	D	E	
SGR 40.150	402	349	1"½	65	238	26,5
SGR 50.150	470	415	2"	95	294	36

SEWAGE MC

submersible pump for
sewage water



waste water



industrial use

SEWAGE
MC

Max Head 16 - 19m

Max Flow 57 - 60m³/h

Motor Power 2.2 - 3Kw

Discharge size 50 - 65



KEY ADVANTAGES OF A MC PUMP

APPLICATION

The electric pumps "MC" are particularly suitable for the treatment of wastewater, industrial process water and untreated sewage in municipal, public and industrial applications. The single-channel impeller allows the passage of solids up to 50mm for the MC50 pump and up to 65mm for the MC65 pump, reducing the risk of clogging.

INSTALLATION

Permanent or transportable.
Single-Channel Impeller.

MATERIALS

Double seals, lip seals and reinforced SIC-SIC mechanical seal. Motor casing, pump body and open impeller in cast iron, 420 stainless steel shaft.

PUMPED LIQUID

Pumping of sewage and industrial water.
Max. liquid temperature: 35°C.

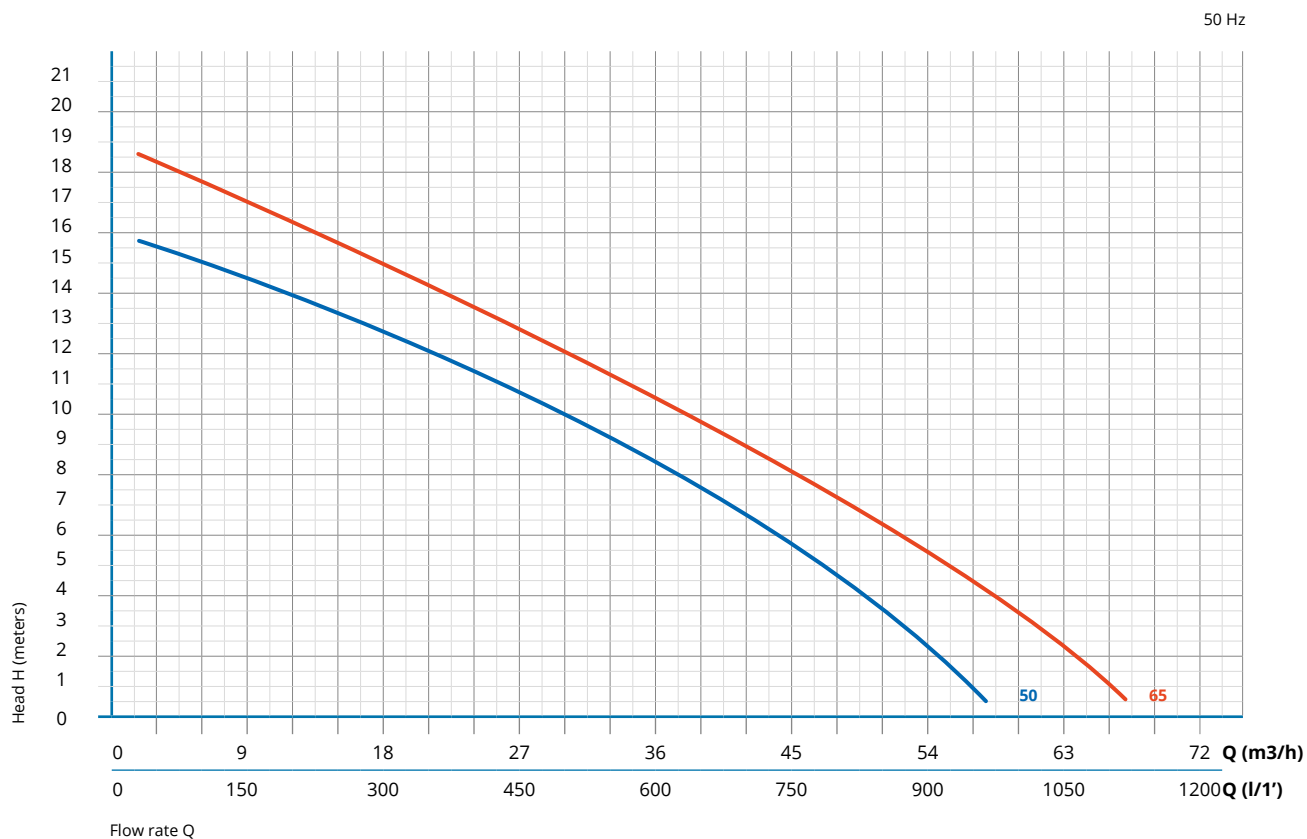
MOTOR

Fully submersible, pressure tight electric motor. Stainless steel motor- and pump housing. Insulation class F. Motor protection IP 68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 20 m neoprene.
Immersion depth of 10 m.
Ideal for installation with guide rail.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

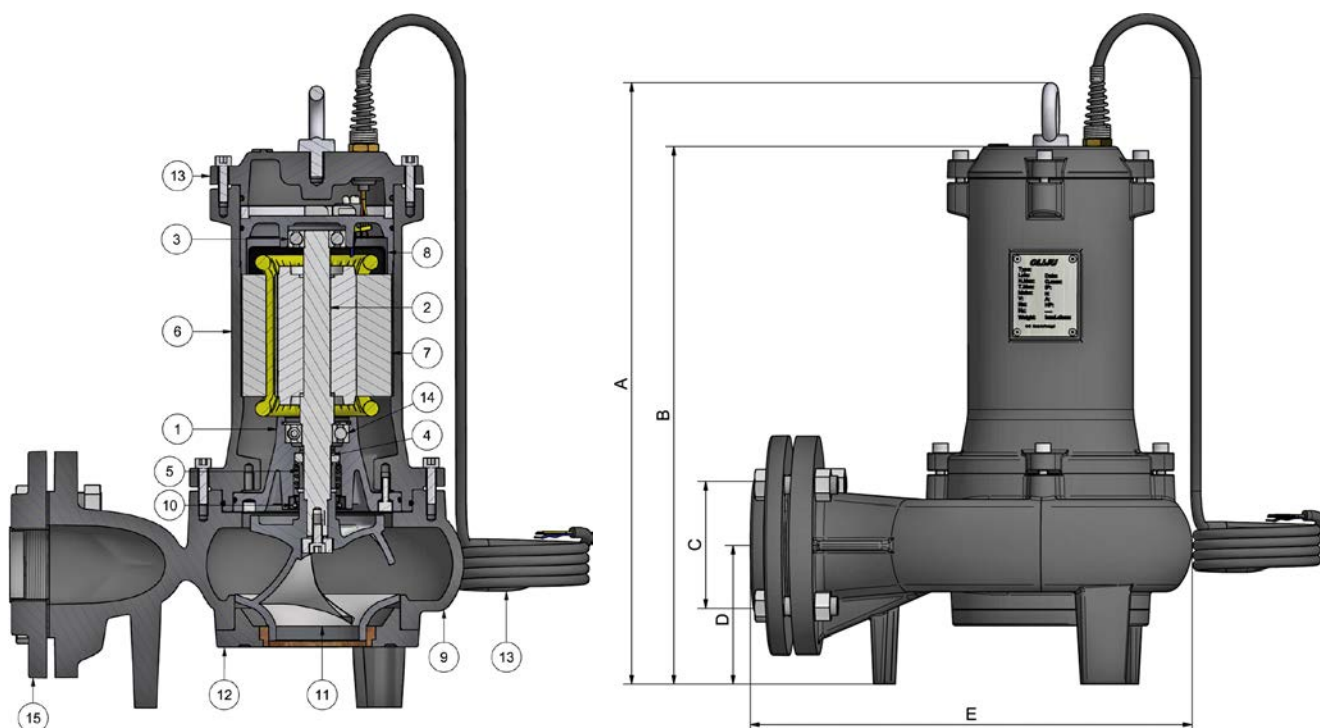


SEWAGE
MC

TYPE	POWER kW	MOTOR 3~ A	PORT DN	Q m³/h l/min	0	9	15	18	21	24	30	36	42	48	54	60
					0	150	250	300	350	400	500	600	700	800	900	1.000
MC 50.220	2,2	4,2	50	H - meters	16	14,5	13,4	12,8	12,2	11,5	10	8,4	6,6	4,7	2,6	0,3
MC 65.300	3,0	4,8	65		19	17	15,7	15	14,2	13,5	12	10,3	8,6	6,8	4,9	2,9

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT

SEWAGE
MC



POS	COMPONENT	MATERIALS
1	Rotor Support	Cast Iron
2	Rotor / Shaft	Steel and Aluminium / Stainless Steel
3	Bearing	Steel
4	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
5	Mechanical Seal Mobile	Graphite Steel
6	Motor Casing	Cast Iron
7	Stator	-
8	Top Engine Support	Cast Iron
9	Body Pump	Cast Iron
10	Lip Seals	Nitrile Rubber
11	Impeller	Cast Iron
12	Cover Impeller	Cast Iron
13	Power Cable	Neoprene
14	Bearing	Steel
15	Flange 2" - 2 ½	Cast Iron

TYPE	DIMENSIONS (mm)					WEIGHT	PALETTE
	A	B	ØC	D	E	Kg	Un
MC 50.220	510	456	DN 50	118	372	45	
MC 65.300			DN 65			46	75

SEWAGE BA

Guide Rail for pumps
with horizontal outlet



clean water



muddy water



waste water

Cast Iron
Rubber seals



SEWAGE
BA

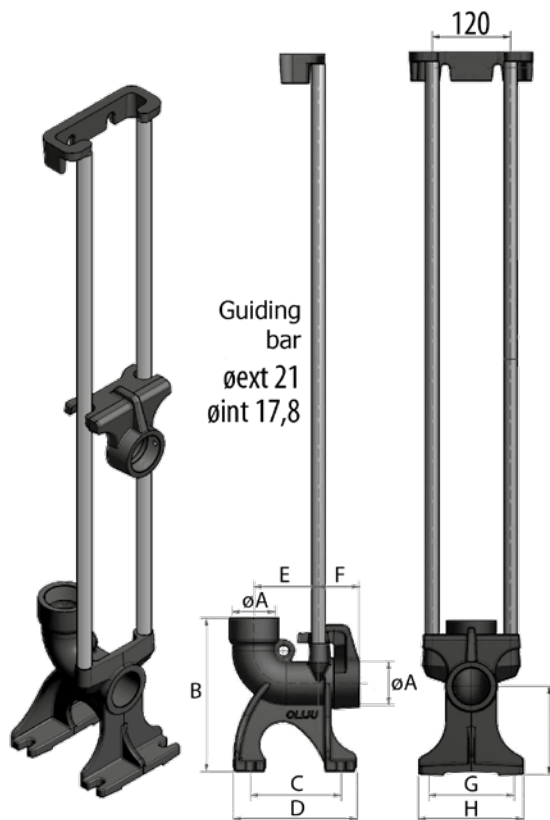
KEY ADVANTAGES OF A BA

APPLICATION

The guide rail facilitate maintenance operations, allowing you to remove the pump without draining the tank.

MATERIALS

Guide rail are in cast iron and come with rubber seal.
Available with Viton seals.
Available with connection of 2", 2 1/2" and 3".



TYPE	DIMENSIONS (mm)									WEIGHT Kg
	ØA	B	C	D	E	F	G	H	I	
BA 50	2"	235	140	190	100	63	130	160	135	9,5
BA 65	2" 1/2	285	166	220	119	68	150	180	165	13
BA 80	3"	298	174	229			180	210	175	15

WELLS AQUALIJU

submersible pump for wells



clean water



domestic use

Max Head 30 - 85m

Max Flow 3.9 - 23.4m³/h

Motor Power 0.37 - 3Kw

Discharge size G1F / G2F

DN 1" - **AJ** DN1" ¼ - **A**
DN 1" ½ - **AC** DN 2" - **AB**



WELLS
AQUALIJU

KEY ADVANTAGES OF A AQUALIJU PUMP

APPLICATION

The Aqualiju series is suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure sets, for the irrigation of gardens and allotments and for increasing pressure, etc..

The "Aqualiju SA" series is specially suitable for direct installation at the bottom of tanks thanks to the lower guide of the shaft, in Noryl, and the rubber feet on the bottom of the pump that reduce vibration.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level. The combination of stainless steel for the turbines and glass fiber reinforced NORYL for broadcasters, provides excellent resistance to abrasion due to sand for maximum efficiency

MATERIALS

Double seals, lip seals and reinforced carbon ceramic mechanical seal. Pump casing, pump head and impellers in 304 stainless steel, 420 stainless steel shaft

PUMPED LIQUID

Clean water.

Max. liquid temperature: 35°C.

Max. sand contents: 60g/m³.

MOTOR

Engine oil immersed food, non-toxic, non-polluting. Externally cooled by the pumped liquid. Insulation class F. Motor protection IP68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 20 m neoprene.

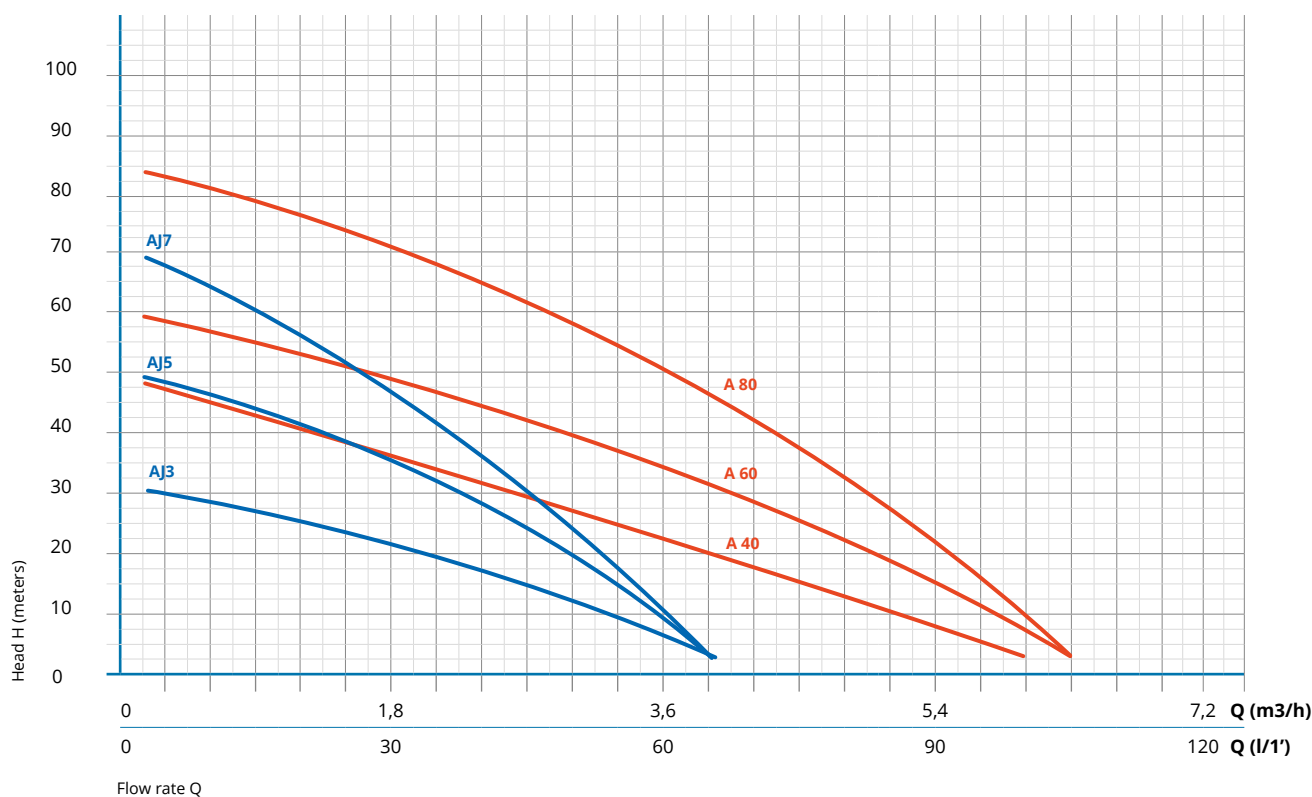
Protection box in Aqualiju AB monophasic version

Immersion depth of 20 m.

Max. starts/hour: 30

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz

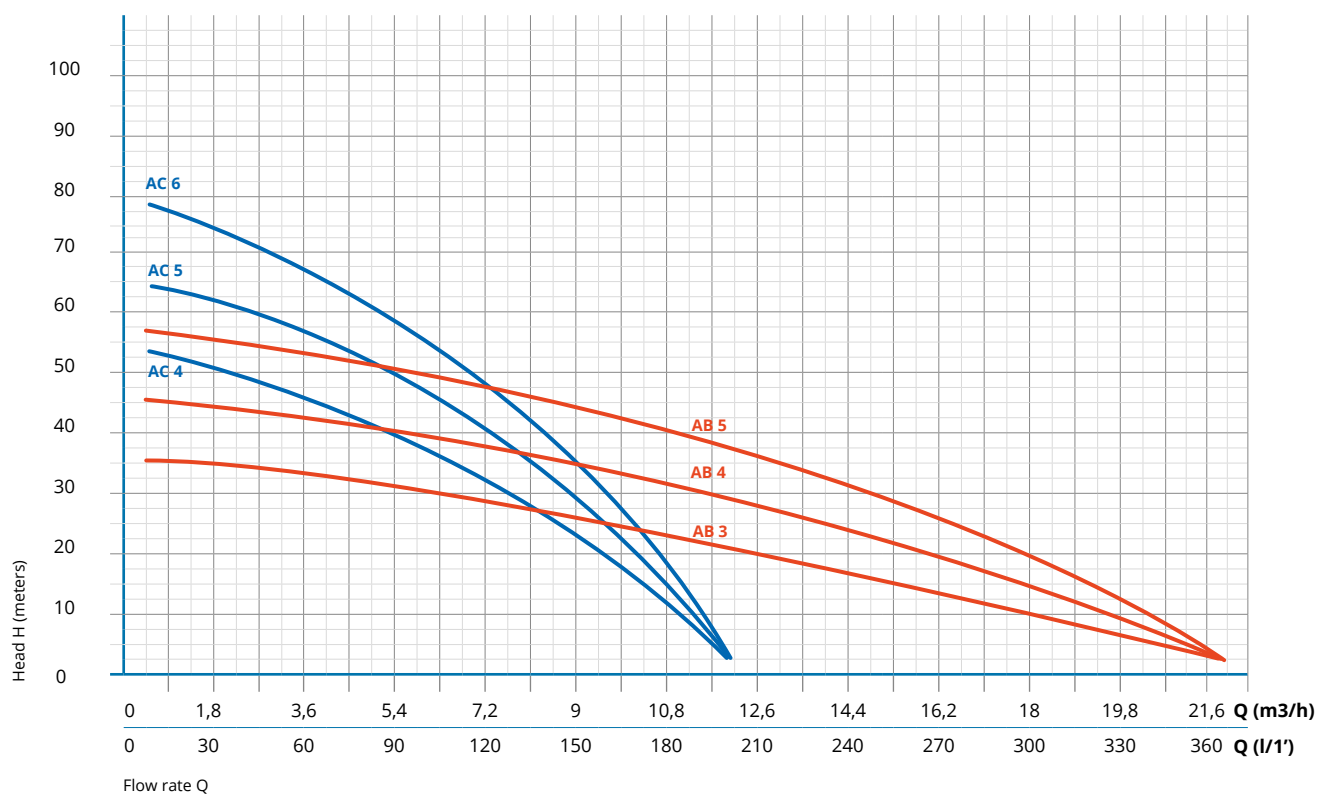


WELLS
AQUALIJU

TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	3,3	4,5	5,7	6	9	10,5	15	19,8
	kW	1~ A	1~ µF	3~ A		DN	l/min	0	10	20	30	40	50	55	75	95	100	150	175	250
AJ 3.37	0,37	2,6	12	1,2	1"	H - meters	30	28	25	21	16	11	8							
AJ 5.60	0,6	4,1	16	1,4			50	47	42	35	28	18	13							
AJ 7.90	0,9	5,8	20	2,1			70	63	54	44	34	22	15							
A 40.60	0,6	4,6	16	1,8	1"¼		47	44	41	37	33	29	26	15						
A 60.90	0,9	6,0	20	2,3			60	57	53	49	45	40	38	26						
A 80.130	1,3	8,4	30	3,0			85	82	77	72	66	59	55	37						

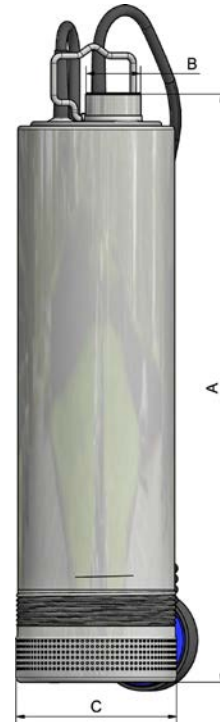
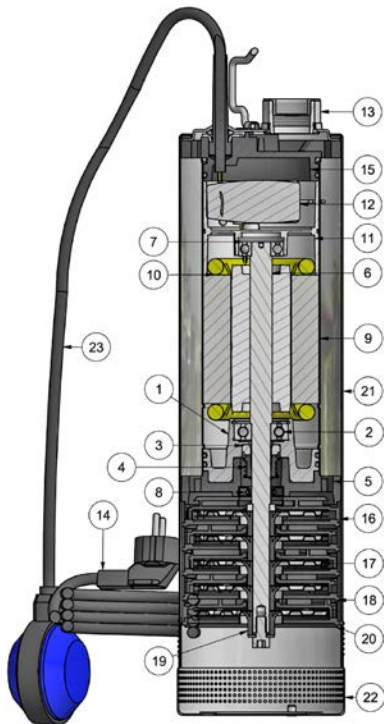
CHARACTERISTIC CURVES AND PERFORMANCE DATA

WELLS
AQUALIJU



TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	3,3	4,5	5,7	6	9	10,5	15	19,8
		kW	1~ A	1~ µF			3~ A	DN	l/min	0	10	20	30	40	50	55	75	95	100	150
AC 4.110	1,1	10	40	3,9	1"½	H - meters	53	52,5	51,5	50	49	48	47	44	40	39	23	14		
AC 5.150	1,5	12	50	4,6			65	64	63	62	60	58	57	54	49	48	31	18		
AC 6.220	2,2	14	50	5,0			77	75	74	72	70	68	67	63	56	55	35	21		
AB 3.150	1,5	11	50	3,6	2"		36	35,5	35	34,5	34	33	31	32	30	29	26	24	16	6
AB 4.220	2,2	12	50	4,2			46	45,5	45	44,5	44	43	42	41	40	39	35	33	24	9
AB 5.300	3,0	-	-	6			57	56,5	56	55,5	55	54	53	52	50	49	44	41	30	13

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Bearing Holder Support	Cast Iron
2	Bearing	Steel
3	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
4	Mechanical Seal Mobile	Graphite Steel
5	Bearing Holder Support	Noryl
6	Rotor / Shaft	Steel and Aluminium / Stainless Steel
7	Bearing	Steel
8	Lip Seals	Nitrile Rubber
9	Motor Casing	Stainless Steel
10	Stator	-
11	Top Engine Support	Aluminium
12	Capacitor	-
13	Outside Higher Cover	Stainless Steel
14	Power Cable	Neoprene
15	Head	Noryl
16	Initial Diffuser	Noryl
17	Impeller	Stainless Steel
18	Diffuser Lid Welded	Noryl
19	Bushing for Impeller	Noryl
20	Diffuser Cover	Noryl
21	External Motor Casing	Stainless Steel
22	Aspiration Filter	Stainless Steel
23	Float	Neoprene Plastic

TYPE	DIMENSIONS (mm)			WEIGHT	PALETTE
	A	ØB	ØC	Kg	Un
AJ 3.37	371	1"	114 (4"½)	8,5	50
AJ 5.60	427			10,5	
AJ 7.90	483			12,0	
A 40.60	442	1"¼	130 (5")	12,5	50
A 60.90	481			13,0	
A 80.130	549			16,0	
AC 4.110.1	486	1"½	152 (6")	21,0	50
AC 4.110.3	444			20,5	
AC 5.150.1	523			22,0	
AC 5.150.3	492			21,5	
AC 6.220.1	561			23,5	
AC 6.220.3	520	2"	152 (6")	23,0	50
AB 3.150	497			22,0	
AB 4.220.1	546			23,5	
AB 4.220.3	532			23,0	
AB 5.300	591			25,0	

CISTERNS AQUARAIN

submersible pump for cisterns



clean water



domestic use

Max Head 30 - 50m

Max Flow 3.6m³/h

Motor Power 0.37 - 0.6Kw

Discharge size G1F



CISTERN
AQUARAIN

KEY ADVANTAGES OF A AQUARAIN PUMP

APPLICATION

The AquaRain series is specially suitable for direct installation at the bottom of tanks thanks to the lower guide of the shaft, in Noryl, and the rubber feet on the bottom of the pump that reduce vibration. The pump can be installed on the flat bottom surface of a tank with a fix or raising strainer.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level. The combination of stainless steel for the turbines and glass fiber reinforced NORYL for broadcasters, provides excellent resistance to abrasion due to sand for maximum efficiency

MATERIALS

Double seals, lip seals and reinforced carbon ceramic mechanical seal. Pump casing, pump head and impellers in 304 stainless steel, 420 stainless steel shaft

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.
Max. sand contents: 60g/m³.

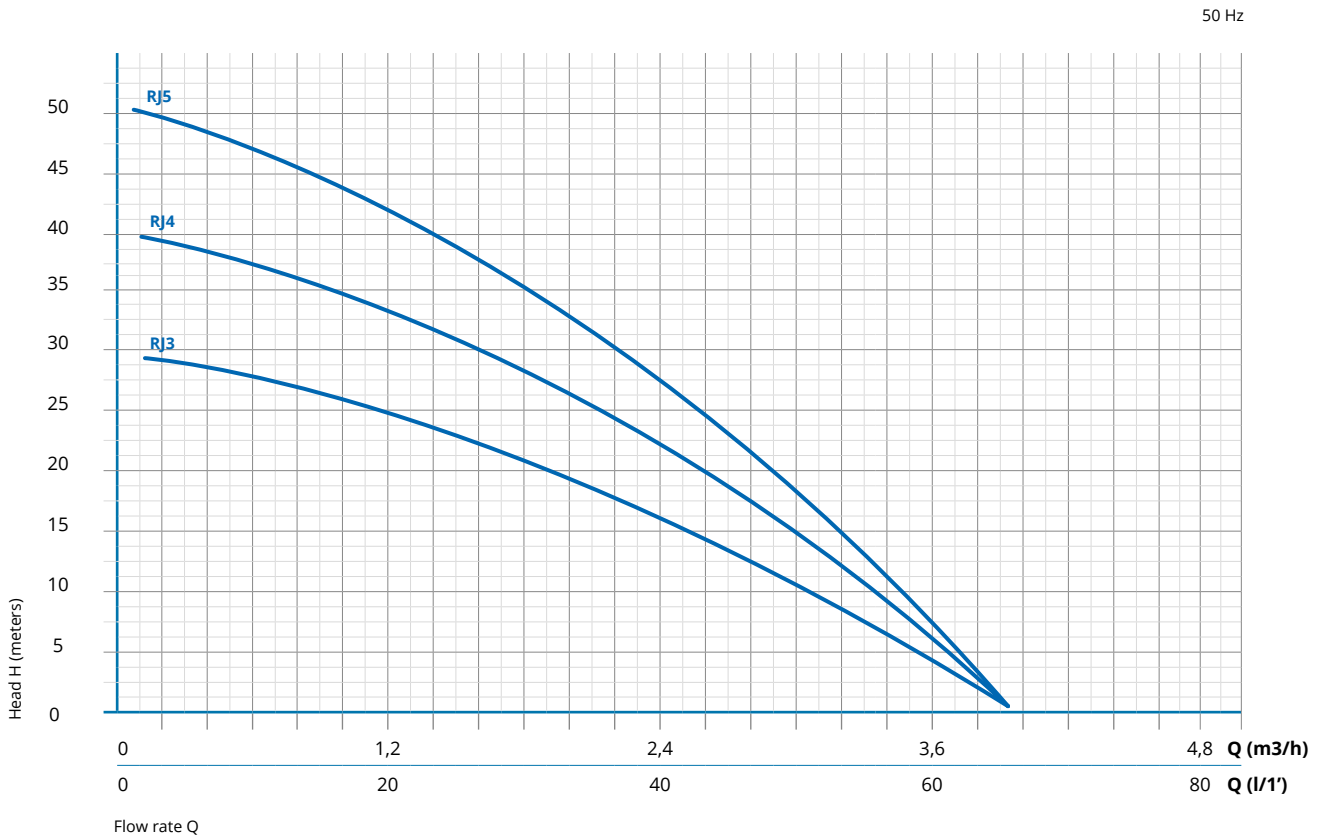
MOTOR

Engine oil immersed food, non-toxic, non-polluting. Externally cooled by the pumped liquid. Insulation class F. Motor protection IP68. Thermal sensors imbedded in the motor winding.

FEATURES

Power cable: 20 m neoprene.
Immersion depth of 20 m.
Max. starts/hour: 30

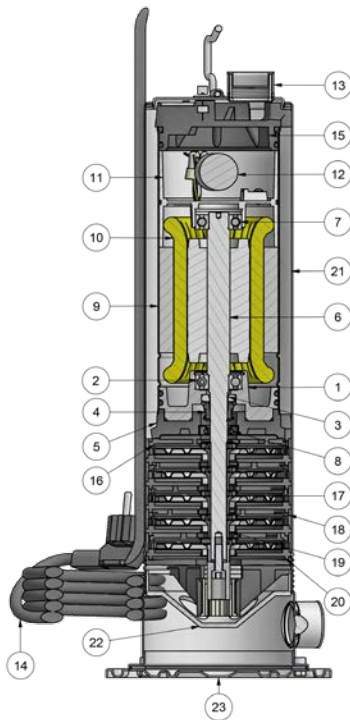
CHARACTERISTIC CURVES AND PERFORMANCE DATA



CISTERN
AQUARAIN

TYPE	POWER kW	MOTOR			PORT DN	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	3,3	4,5	5,7	6	9	10,5	15	19,8
		1~ A	1~ µF	3~ A			0	10	20	30	40	50	55	75	95	100	150	175	250	330
RJ 3.37	0,37	2,6	12	1,2	1"	H - meters	30	28	25	21	16	11	8							
RJ 4.60	0,6	3,3	14	1,4			40	37	33	28	22	15	11							
RJ 5.60	0,6	4,2	16	1,4			50	47	42	35	28	18	13							

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Bearing Holder Support	Cast Iron
2	Bearing	Steel
3	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
4	Mechanical Seal Mobile	Graphite Steel
5	Bearing Holder Support	Noryl
6	Rotor / Shaft	Steel and Aluminium / Stainless Steel
7	Bearing	Steel
8	Lip Seals	Nitrile Rubber
9	Motor Casing	Stainless Steel
10	Stator	-
11	Top Engine Support	Aluminium
12	Capacitor	-
13	Outside Higher Cover	Stainless Steel
14	Power Cable	Neoprene
15	Head	Noryl
16	Initial Diffuser	Noryl
17	Impeller	Stainless Steel
18	Diffuser Lid Welded	Noryl
19	Bushing for Impeller	Noryl
20	Diffuser Cover	Noryl
21	External Motor Casing	Stainless Steel
22	Aspiration Support	Stainless Steel
23	Base	Stainless Steel

TYPE	DIMENSIONS (mm)					WEIGHT
	A	ØB	ØC	D	ØE	Kg
RJ 3.37	413,5	1"	1"	40	170	8,3
RJ 4.60	449,5					9,6
RJ 5.60	469,5					9,8

BOREHOLE SFI

submersible pump for boreholes 4"



clean water



domestic use

Max Head 23 - 285m

Max Flow 2.3 - 14.7m³/h

Motor Power 0.37 - 5.5Kw

Discharge size G1 ¼F / G2F



KEY ADVANTAGES OF A SFI PUMP

APPLICATION

SFI pump are suitable for collecting water from 4" boreholes, water systems for continuous or intermittent domestic and industrial use. Automatic water distribution with reservoir tanks. Irrigation, fire-fighting installations, aqueducts, fountains, etc.

INSTALLATION

The check valve is built into the pump head to reduce the effect on the impellers and diffusers against the hydraulic hammer and the weight of the water column.

MATERIALS

Head and support for the engine union are in stainless steel. Impellers and diffusers are in polycarbonate reinforced with anti-corrosive and non-toxic specular surfaces, with waterproof insert in stainless steel. Outer jacket, coupling, suction filter and protection of electrical cable in stainless steel.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

MOTOR

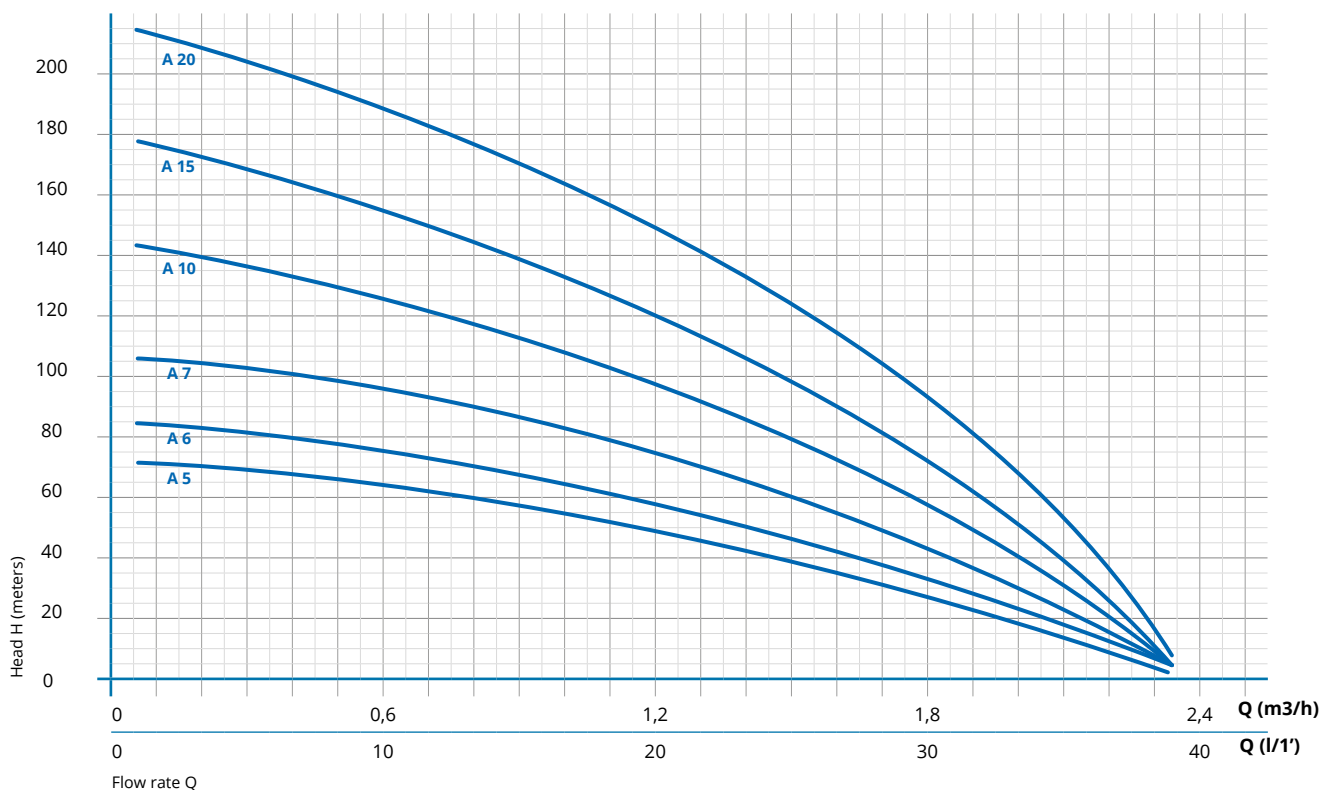
Submersible electric motor water bath lubricated, with pressure compensator and diaphragm. Stator sub-vacuum impregnated with resin and coated stainless steel. Protection IP68.

FEATURES

Max. starts/hour: 20

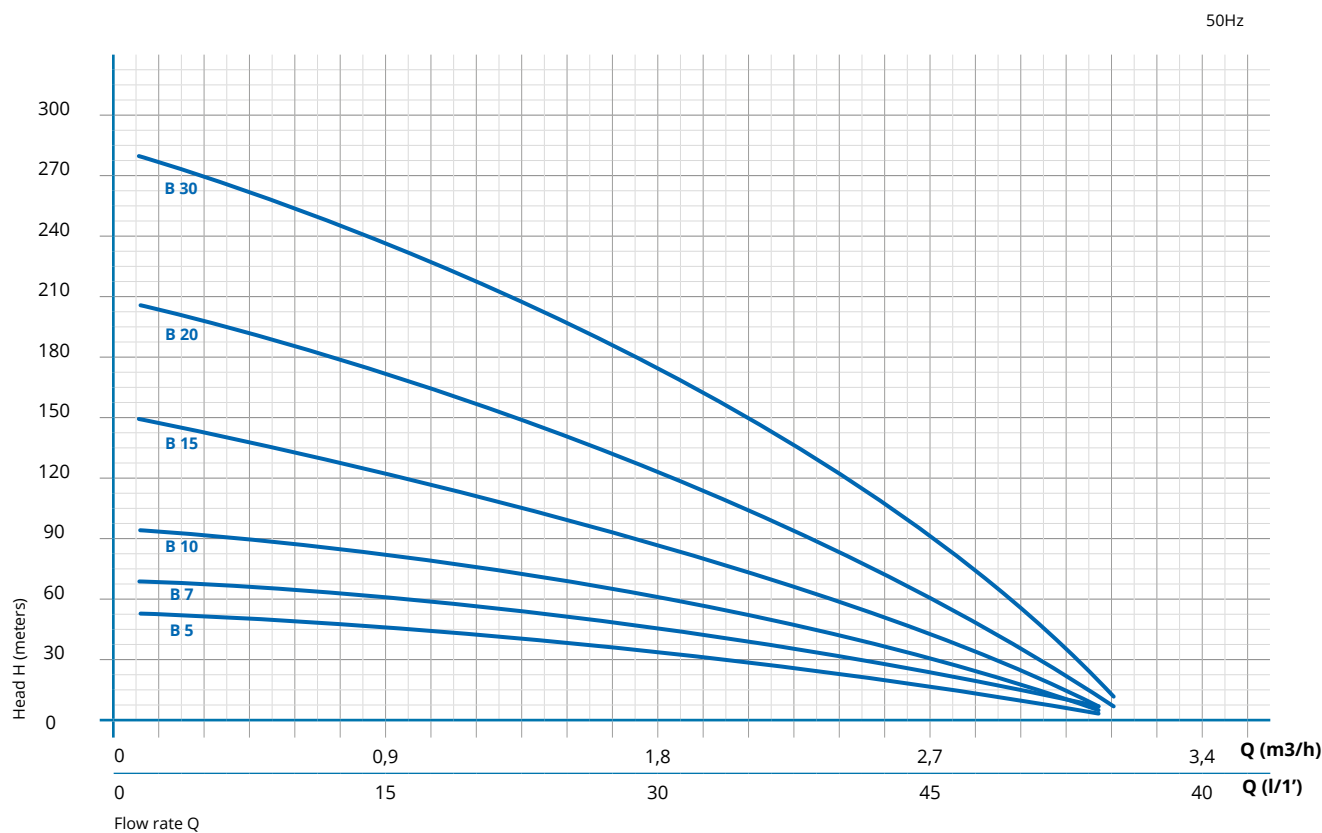
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz



TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	4,2	4,5
		1~ A	1~ μF	3~ A			0	10	15	20	25	30	35	40	45	50	55	60	70	75
A 5.37	0,37	3,3	18	1,1	1 1/4"	H - meters	74	65	58	49	39	28	14							
A 6.55	0,55	5	20	1,6			87	76	68	58	47	34	17							
A 7.55		5	30	1,6			109	94	85	73	59	42	23							
A 10.75	0,75	6,5	40	2,2			145	127	114	98	79	58	30							
A 15.110	1,1	9,4	50	3,2			179	157	140	120	98	70	36							
A 20.110		9,4	70	3,2			215	188	170	149	120	90	50							

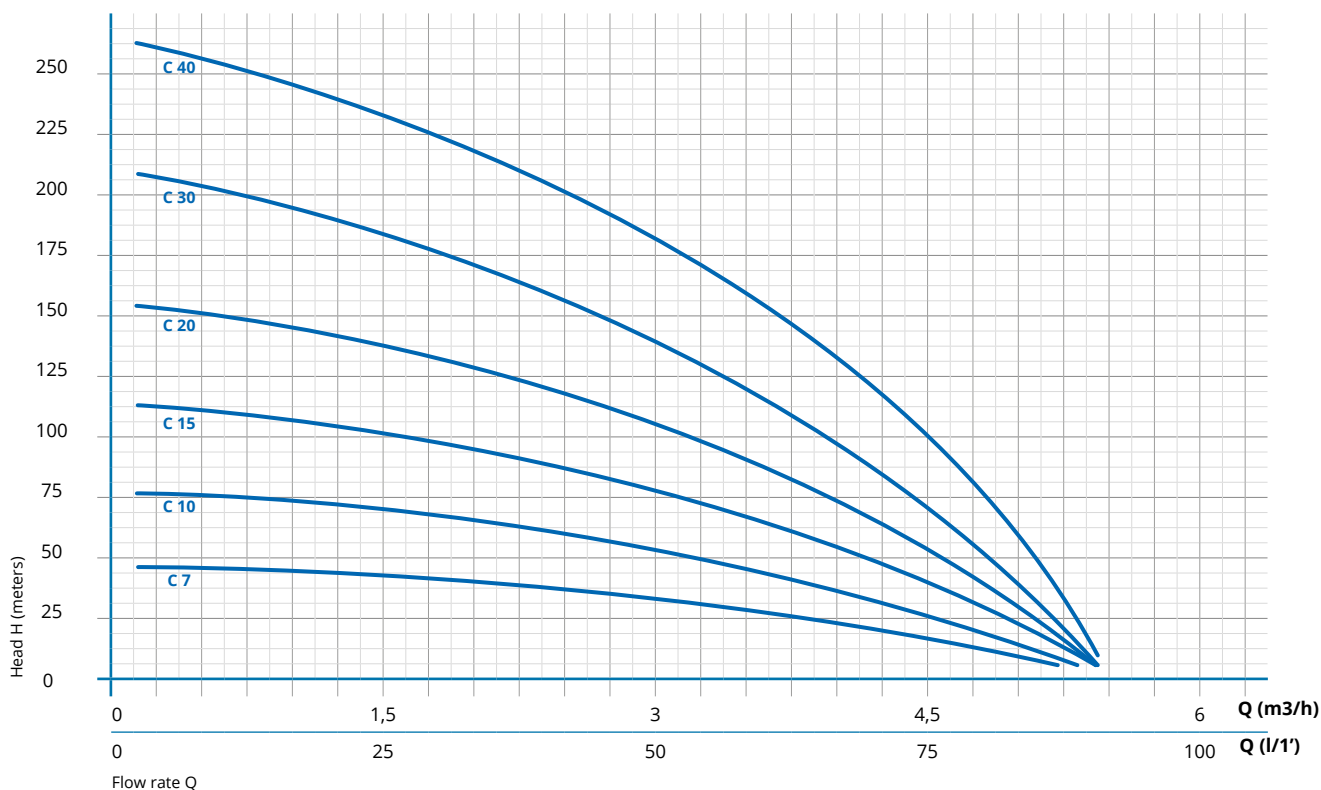
CHARACTERISTIC CURVES AND PERFORMANCE DATA



TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	4,2	4,5
		1~ A	1~ μF	3~ A			0	10	15	20	25	30	35	40	45	50	55	60	70	75
B 5.37	0,37	3,3	16	1,1	1 1/4"	H - meters	53	49	47	42	39	33	28	23	17	10				
B 7.55	0,55	5	20	1,6			70	65	61	58	52	47	40	32	23	14				
B 10.75	0,75	6,5	35	2,2			95	88	82	77	69	60	51	42	30	18				
B 15.110	1,1	9,4	40	3,2			150	132	122	111	100	88	71	59	53	26				
B 20.150	1,5	11,2	50	4,1			210	185	171	157	140	122	104	83	60	37				
B 30.220	2,2	15,1	70	5,8			285	254	236	218	197	174	149	121	90	56				

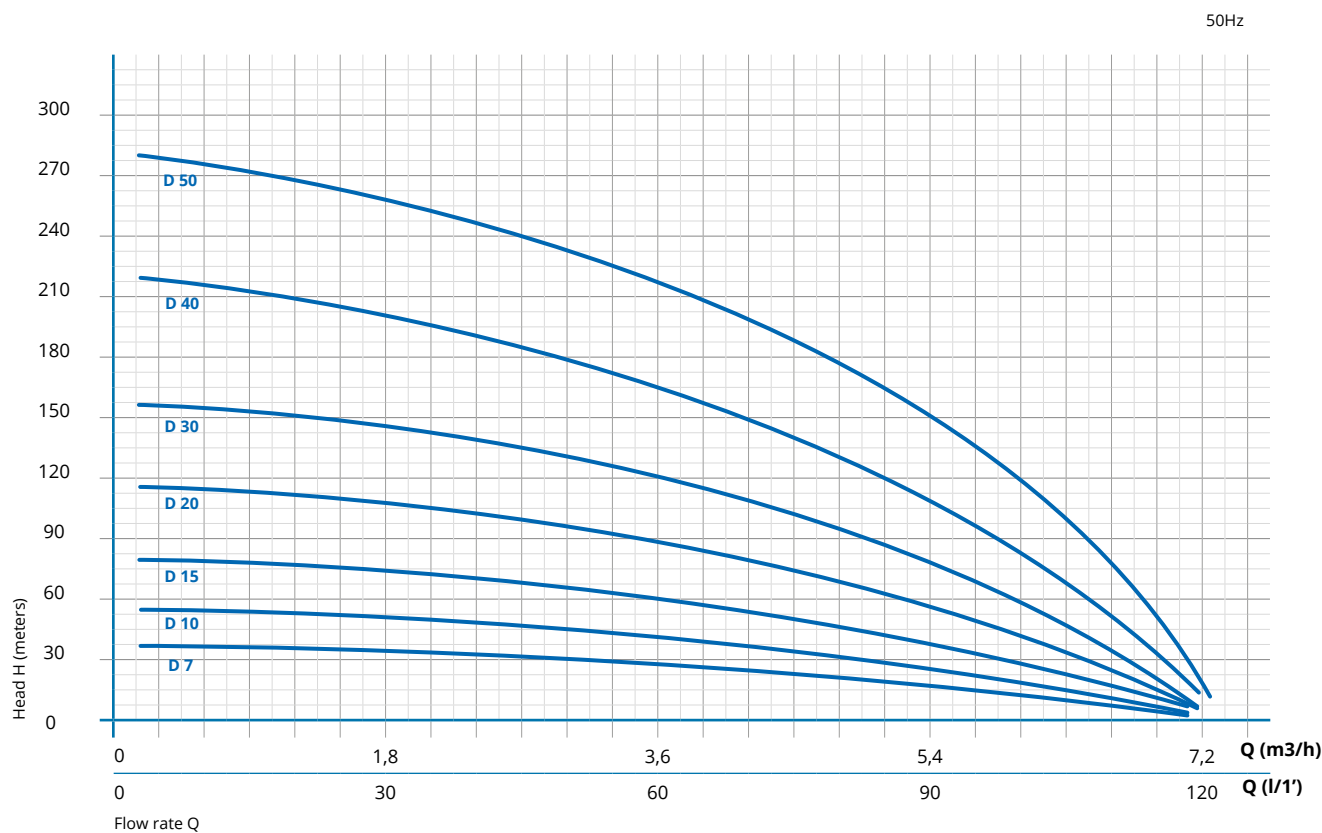
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz



TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	0,9	1,2	1,5	1,8	2,4	3	3,6	4,2	4,5	4,8	5,4	6	6,6
		1~ A	1~ μF	3~ A			0	15	20	25	30	40	50	60	70	75	80	90	100	110
C 7.55	0,55	5	20	1,6	1 1/4"	H - meters	48	45	45	44	43	40	36	30	23	18	14			
C 10.75	0,75	6,5	35	2,2			76	72	71	69	67	61	54	47	38	31	24			
C 15.110	1,1	9,4	40	3,2			112	108	106	103	100	91	80	68	50	40	30			
C 20.150	1,5	11,2	50	4,1			155	145	143	137	133	121	107	89	68	54	41			
C 30.220	2,2	15,1	70	5,8			210	195	190	182	176	160	140	116	89	71	55			
C 40.300	3	--	--	7,2			265	247	240	232	224	205	181	153	120	98	77			

CHARACTERISTIC CURVES AND PERFORMANCE DATA

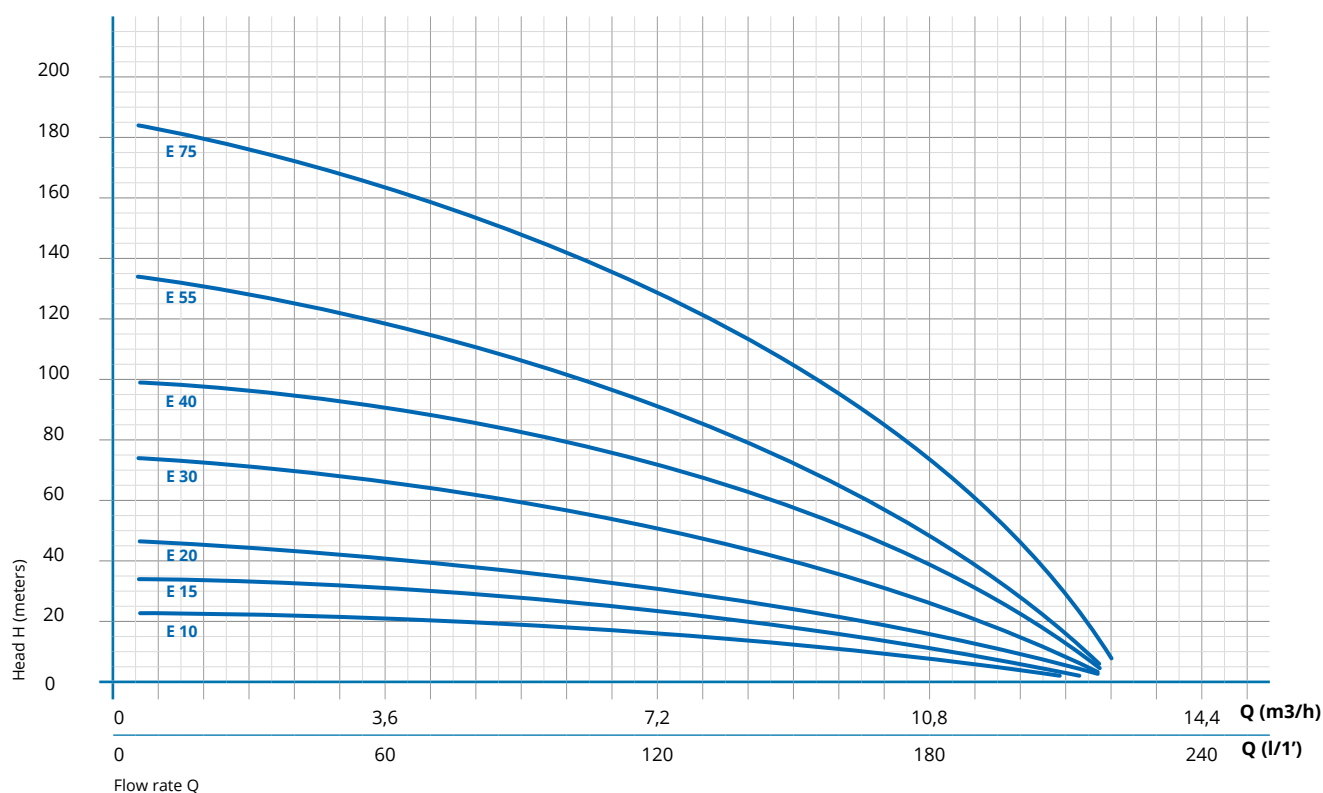


TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	1,8	2,4	3	3,6	4,2	4,5	4,8	5,4	6	6,6	7,5	9	10,5
		1~ A	1~ μF	3~ A			0	30	40	50	60	70	75	80	90	100	110	125	150	175
D 7.55	0,55	5	20	1,6	1 1/4"	H - meters	37	34	32	30	28	25	22	21	17	12	8			
D 10.75	0,75	6,5	35	2,2			53	50	48	44	40	35	32	30	24	17	10			
D 15.110	1,1	9,4	40	3,2			80	73	70	67	60	55	50	48	40	30	18			
D 20.150	1,5	11,2	50	4,1			116	108	103	97	88	79	74	68	55	40	23			
D 30.220	2,2	15,1	70	5,8			157	146	138	130	120	108	100	94	77	57	34			
D 40.300	3	--	--	7,2			220	200	190	178	165	149	140	130	108	82	50			
D 50.400	4	--	--	9,5			280	257	244	230	215	197	185	176	149	118	77			

BOREHOLE
SFI

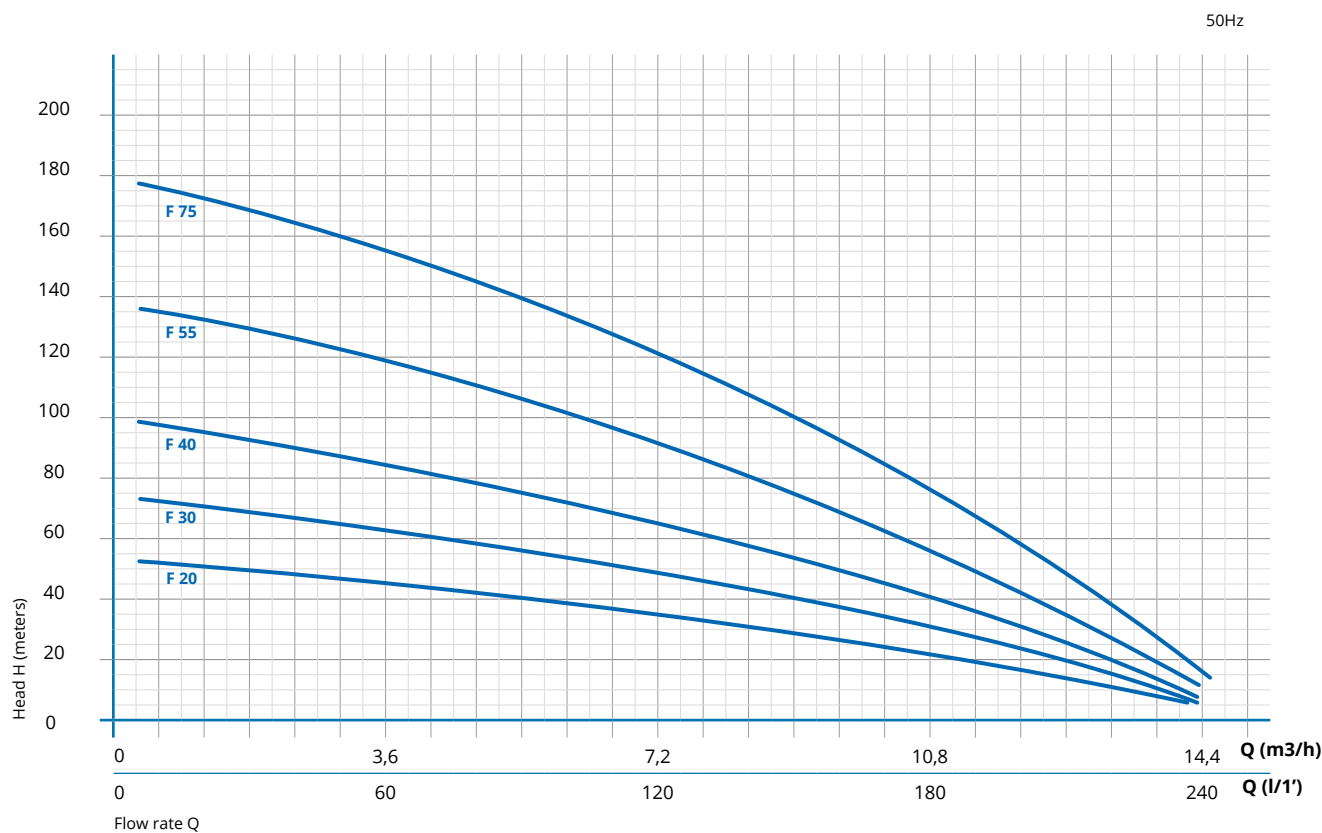
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz



TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	9	10,5	12
		1~ A	1~ μF	3~ A			0	30	40	50	60	70	80	90	100	110	125	150	175	200
E 10.75	0,75	6,5	35	2,2	2"	H - meters	23	22,5	22,5	22	21	20,5	19	18,5	18	16,5	15	13	9	5
E 15.110	1,1	9,4	40	3,2			35	34	33,5	33	32	31	29	28	27	25	23	18	13	7
E 20.150	1,5	11,2	50	4,1			47	46	45	44	42	41	38	37	36	34	31	25	18	9
E 30.220	2,2	15,1	70	5,8			75	72	71	70	68	66	63	60	58	55	50	40	29	15
E 40.300	3	--	--	7,2			100	97	95	94	91	89	86	83	80	76	70	57	42	23
E 55.400	4	--	--	9,5			135	128	125	123	119	116	121	117	103	98	89	73	53	29
E 75.550	5,5	--	--	13,5			185	175	170	169	163	159	152	147	143	135	126	105	89	45

CHARACTERISTIC CURVES AND PERFORMANCE DATA



TYPE	POWER kW	MOTOR			PORT DNC	Q m³/h l/min	0	1,8	3	3,6	4,2	4,8	5,4	6	6,6	7,5	9	10,5	12	13,5
		1~ A	1~ µF	3~ A			0	30	50	60	70	80	90	100	110	125	150	175	200	225
F 20.150	1,5	11,2	50	4,1	1 ¼"	H - meters	53	49	46	45	44	41	39	38	36	34	28	22	15	8
F 30.220	2,2	15,1	70	5,8			74	68	65	63	61	57	55	53	50	46	39	31	21	12
F 40.300	3	--	--	7,2			100	93	87	84	82	78	75	72	68	63	53	41	29	15
F 55.400	4	--	--	9,5			139	128	121	117	114	108	104	100	95	88	74	58	42	22
F 75.550	5,5	--	--	13,5			180	167	157	153	148	143	137	132	125	116	98	75	56	31

BOREHOLE
SFI

SURFACE PRESSURE CMH

surface pump multistage



clean water



domestic use

Max Head 21 - 88m

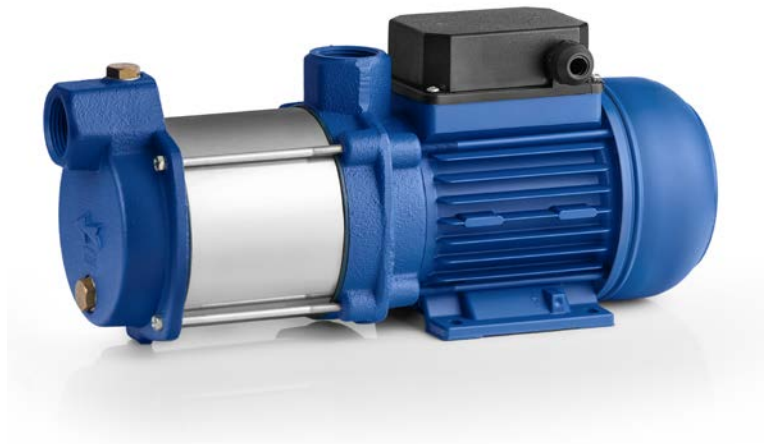
Max Flow 3.9 - 22m³/h

Motor Power 0.37 - 3Kw

Discharge size G1- 1½ F

DN 1" - **CMH 10, CMH 20**

DN 1" ¼ - **CMH 30, CMH 40**



KEY ADVANTAGES OF A CMH PUMP

APPLICATION

CMH pumps are suitable for use with clean water. These pumps are widely used in domestic applications such as the distribution of water in combination with small and medium sized pressure tanks, and for the irrigation of gardens and orchards, etc.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

Pump body and pusher in cast iron. Exterior shell and impeller in stainless steel (AISI304). Shaft in stainless steel (AISI 416). Diffusor in noryl with fiber-glass.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

MOTOR

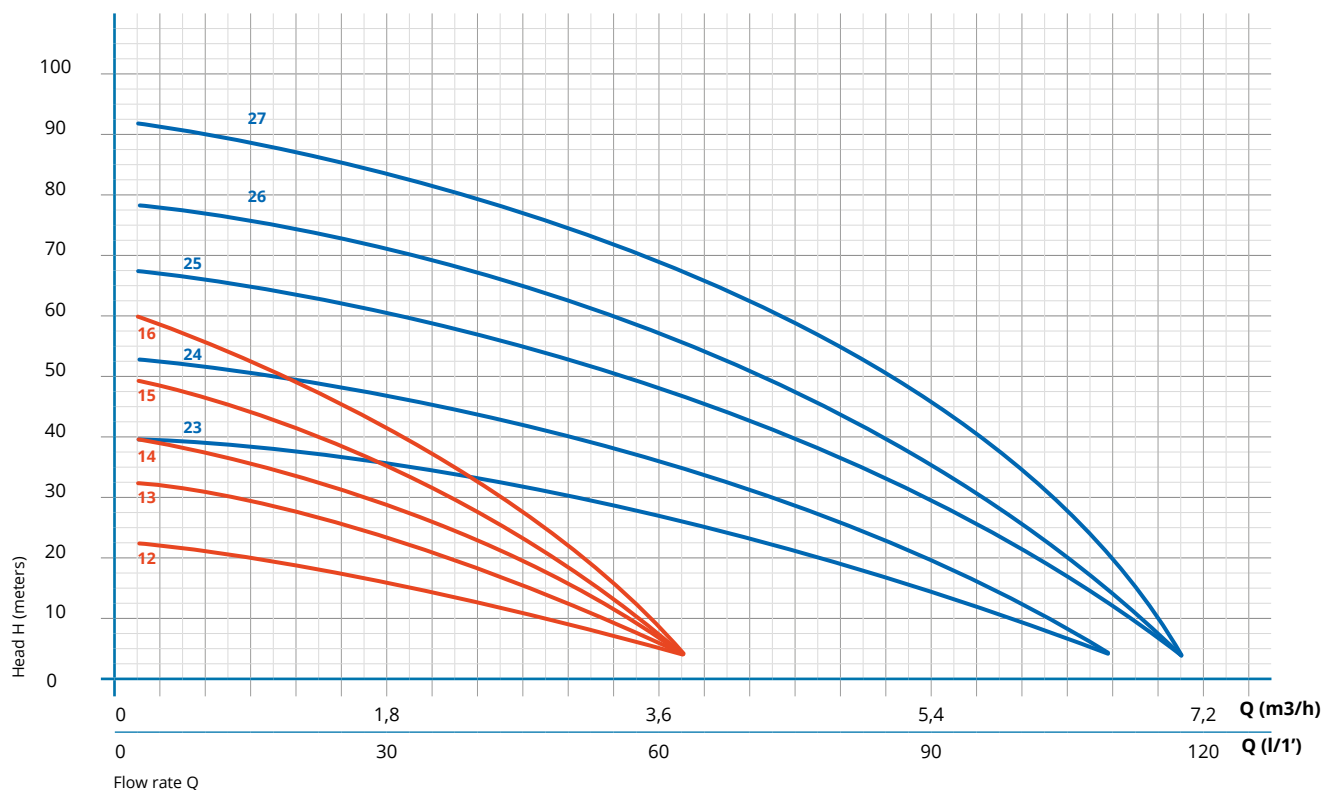
Externally ventilated. Mechanical seal (carbon-graphite). Protection IP44. Class F insulation.

FEATURES

Max. starts/hour: 30

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz

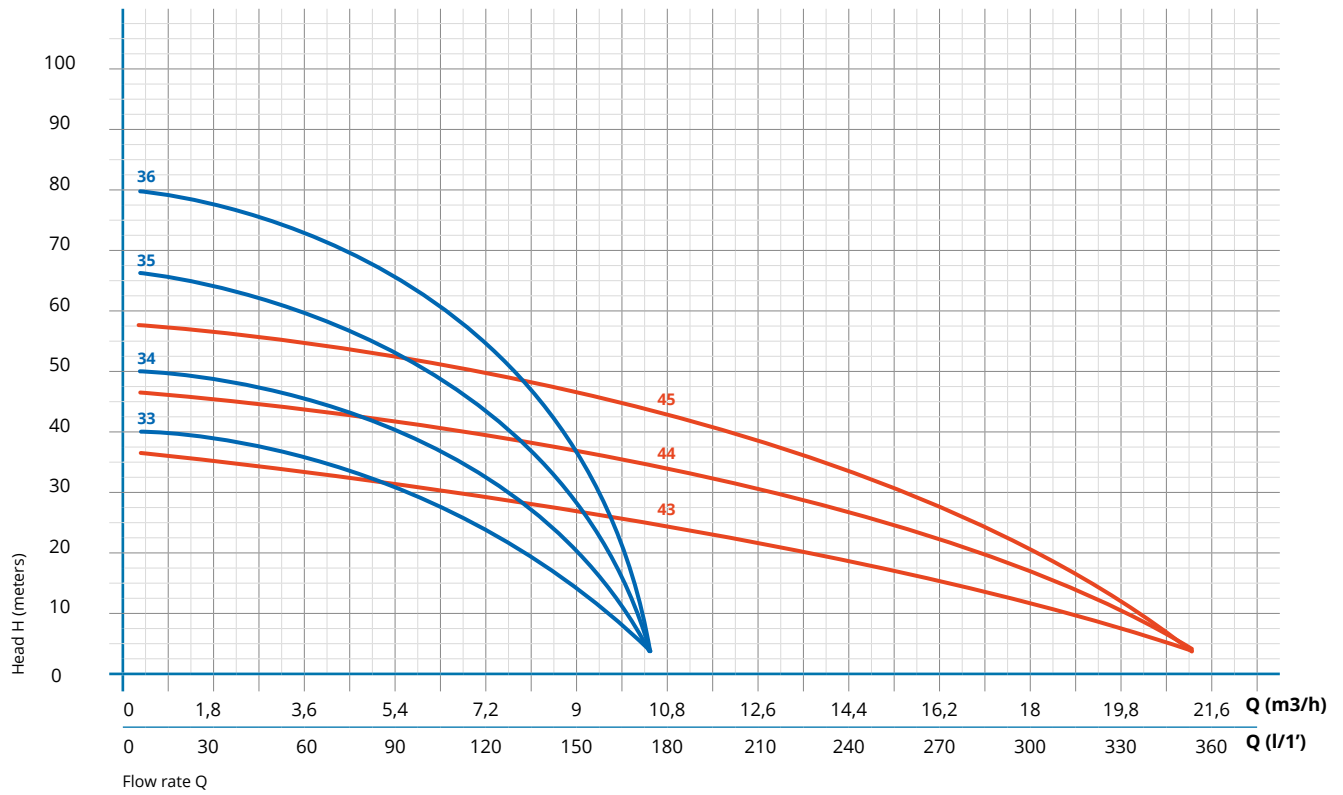


TYPE	POWER kW	MOTOR			PORT DN	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~ A	1~ μF	3~ A			0	10	20	30	40	50	75	95	150	175	200	250	300	330
CMH 12.37	0,37	2,2	10	1,1	1"	H - meters	21	20	18	15	12	7								
CMH 13.37		2,6	12	1,2			32	30	27	23	18	11								
CMH 14.60	0,6	3,45	14	1,4			40	37	33	28	22	14								
CMH 15.60		3,9	18	1,6			50	46	41	34	26	17								
CMH 16.90	0,9	4,9	20	1,9			60	55	49	41	31	20								
CMH 23.75	0,75	4,2	16	1,8			38	37	36	35	33	29	19	10						
CMH 24.80	0,8	5,4	16	2,3			52	51	48	46	43	39	27	15						
CMH 25.120	1,2	7,2	20	2,8			67	65,5	63	59	56	51	39	24						
CMH 26.120		7,8	25	3,5			78	76,5	74	71	67	62	46	29						
CMH 27.150	1,5	8,6	25	3,8			91	89	86	84	80	75	59	39						

SURFACE PRESSURE
CMH

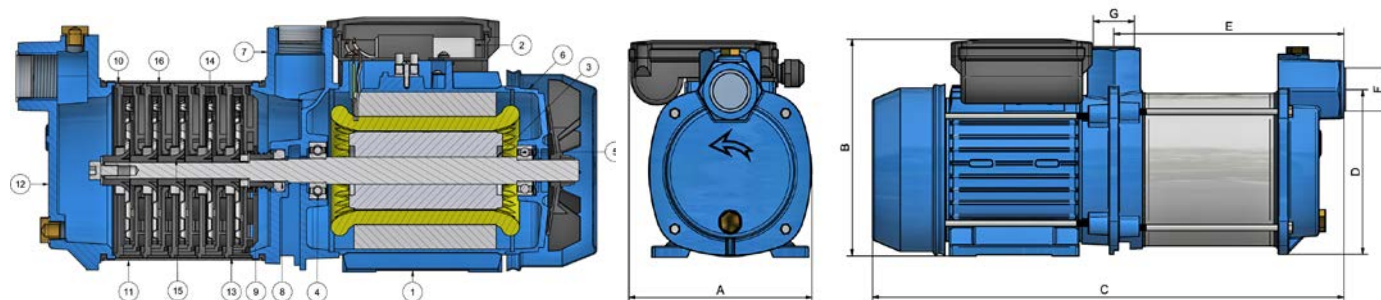
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
	kW	1~ A	1~ µF	3~ A			DN	l/min	0	10	20	30	40	50	75	95	150	175	200	250
CMH 33.90	0,9	7	25	3,3	1"¼	H - meters	40	39,5	39	38	37	36	32	28	13,5	4,5				
CMH 34.110	1,1	9	35	3,5			50	49,5	49	48,5	48	47	43	39	20	7,5				
CMH 35.150	1,5	11,8	40	4,2			66	65,5	65	64	63	62	57	52	28	11				
CMH 36.120	1,2	12,4	50	5			81	80,5	79,5	78	76	75	69	63	36	14,5				
CMH 43.150	1,5	11	40	3,6	1"½		36	35,5	35	34,5	34	33	32	30	26	24	22	16	10	6
CMH 44.220	2,2	12	40	4,2			46	45,5	45	44,5	44	43	42	40	35	33	30	24	15	9
CMH 45.300	3	-	-	6			57	56,5	56	55,5	55	54	53	50	44	41	38	30	22	13

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Stator on Casing	-
2	Capacitor	-
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Bearing	Steel
6	Cover	Aluminium
7	Body Impulse	Iron Cast
8	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
9	Mechanical Seal Mobile	Graphite Steel
10	Diffuser Cover	Noryl
11	Motor Casing	Stainless Steel
12	Aspiration Body	Iron Cast
13	Initial Diffuser	Noryl
14	Impeller	Stainless Steel
15	Bushing Noryl for Impeller	Noryl
16	Diffuser Lid Welded	Noryl

TYPE	DIMENSIONS (mm)						WEIGHT Kg	PALETTE Un
	A	B	C	D	E	F		
CMH 12.37	126	160	334	119	132	1"	8,2	100
CMH 13.37			352		150		8,3	
CMH 14.60			370		168		8,5	
CMH 15.60			388		185		9,0	
CMH 16.90			405		203		9,2	
CMH 23.75	155	179	369	137	161	1"	13,0	75
CMH 24.80			389		180		13,5	
CMH 25.120			408		200		14,0	
CMH 26.120			428		219		14,5	
CMH 27.150			447		239		16,0	
CMH 33.90	191	212	441	160	203	1"¼	17,0	45
CMH 34.110			453		216		17,5	
CMH 35.150			478		241		19,0	
CMH 36.120			502		265		20,0	
CMH 43.150			488		243		20	
CMH 44.220	193	212	527	155	283	1"½	22	35
CMH 45.300	176	215	602	168	323	1"½	26	40

SURFACE PRESSURE
CMH

SURFACE PRESSURE CHS

surface pump multistage



clean water



domestic use

Max Head 21 - 88m

Max Flow 3.9 - 22m³/h

Motor Power 0.37 - 3Kw

Discharge size G1- 1½ F

DN 1" - **CHS 3, CHS 5**

DN 1" ¼ - **CHS 8**

Asp. 2" - Disch. 1"½ - **CHS 16**



KEY ADVANTAGES OF A CHS PUMP

APPLICATION

CHS pumps are suitable for use with clean water. These pumps are widely used in domestic applications such as the distribution of water in combination with small and medium sized pressure tanks, and for the irrigation of gardens and orchards, etc.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

Pump body in and impeller in stainless steel (AISI304). Shaft in stainless steel (AISI 416). Diffusor in noryl with fiber-glass.

PUMPED LIQUID

Clean water.

Max. liquid temperature: 35°C.

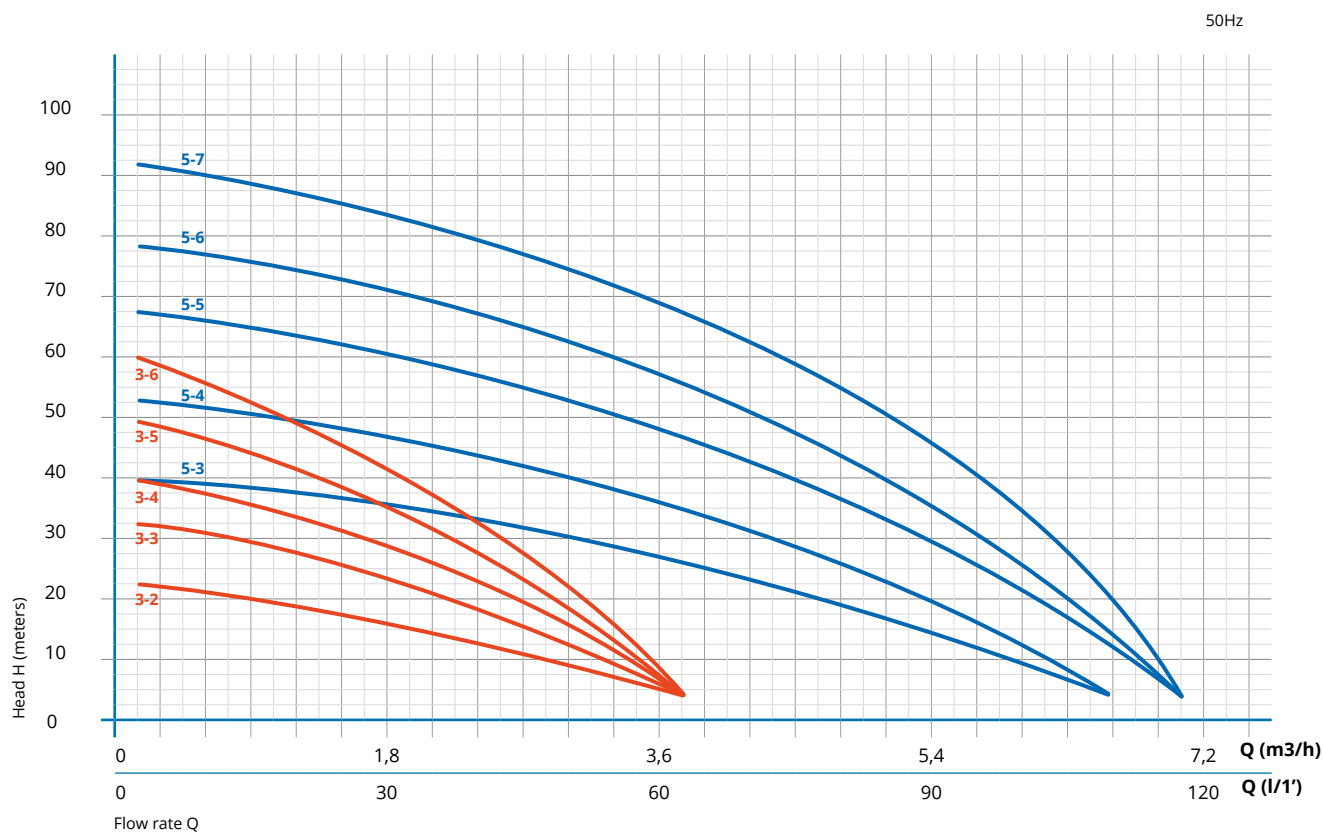
MOTOR

Externally ventilated. Mechanical seal (carbon-graphite). Protection IP54. Class F insulation.

FEATURES

Max. starts/hour: 30

CHARACTERISTIC CURVES AND PERFORMANCE DATA



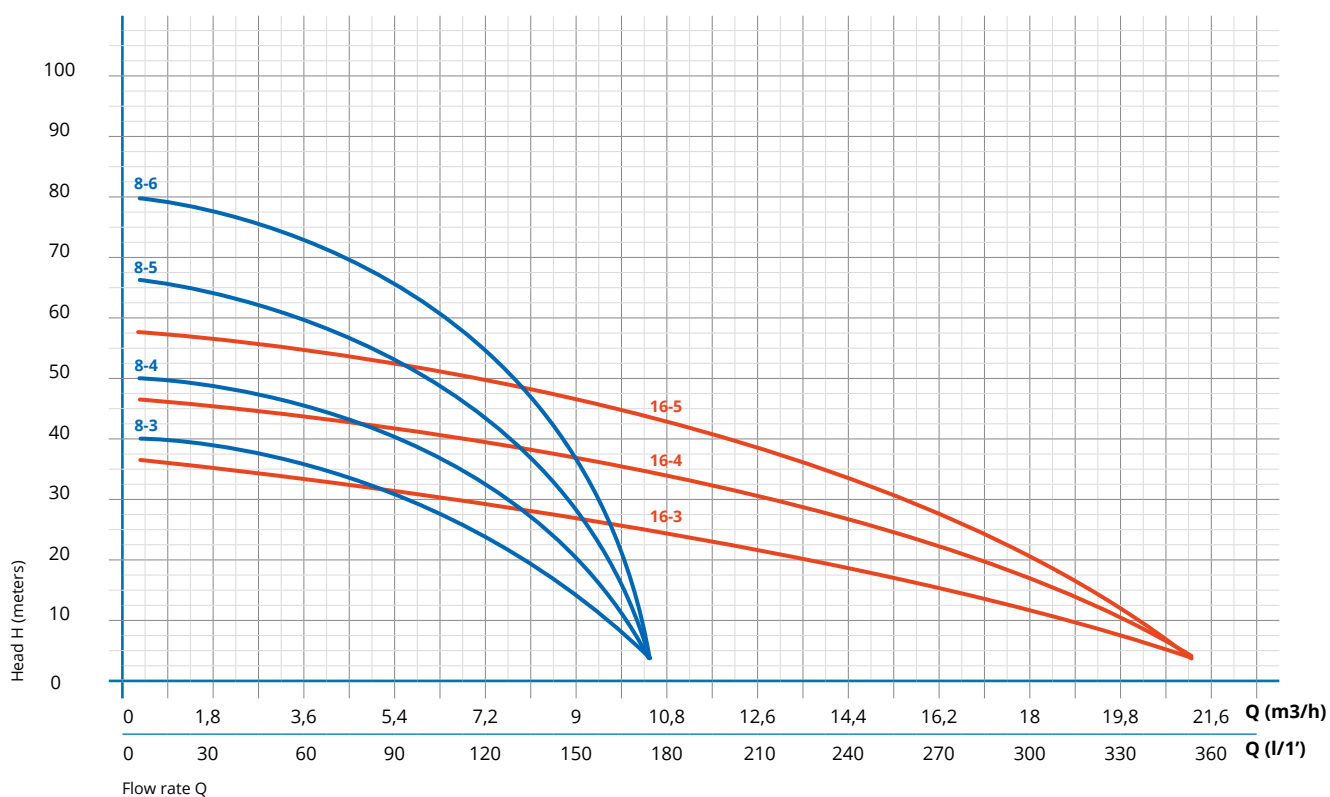
TYPE	POWER kW	MOTOR			PORT DN	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~ A	1~ μF	3~ A			0	10	20	30	40	50	75	95	150	175	200	250	300	330
CHS 3-2	0,37	2,2	10	1,1	1"	H - meters	21	20	18	15	12	7								
CHS 3-3		2,6	12	1,2			32	30	27	23	18	11								
CHS 3-4	0,6	3,45	14	1,4			40	37	33	28	22	14								
CHS 3-5		3,9	18	1,6			50	46	41	34	26	17								
CHS 3-6	0,9	4,9	20	1,9			60	55	49	41	31	20								
CHS 5-3	0,75	4,2	16	1,8			38	37	36	35	33	29	19	10						
CHS 5-4	0,8	5,4	16	2,3			52	51	48	46	43	39	27	15						
CHS 5-5	1,2	7,2	20	2,8			67	65,5	63	59	56	51	39	24						
CHS 5-6		7,8	25	3,5			78	76,5	74	71	67	62	46	29						
CHS 5-7	1,5	8,6	25	3,8			91	89	86	84	80	75	59	39						

SURFACE PRESSURE

CHS

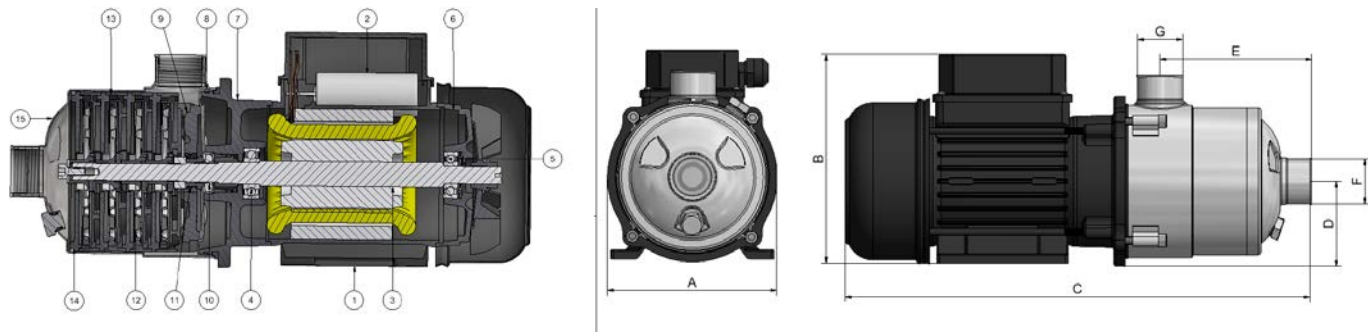
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~ A	1~ µF	3~ A			DN	l/min	0	10	20	30	40	50	75	95	150	175	200	250
CHS 8-3	0,9	7	25	3,3	1"¼	H - meters	40	39,5	39	38	37	36	32	28	13,5	4,5				
CHS 8-4	1,1	9	35	3,5			50	49,5	49	48,5	48	47	43	39	20	7,5				
CHS 8-5	1,5	11,8	40	4,2			66	65,5	65	64	63	62	57	52	28	11				
CHS 8-6	1,2	12,4	50	5			81	80,5	79,5	78	76	75	69	63	36	14,5				
CHS 16-3	1,5	11	40	3,6	1"½		36	35,5	35	34,5	34	33	32	30	26	24	22	16	10	6
CHS 16-4	2,2	12	40	4,2			46	45,5	45	44,5	44	43	42	40	35	33	30	24	15	9
CHS 16-5	3	-	-	6			57	56,5	56	55,5	55	54	53	50	44	41	38	30	22	13

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Stator on Casing	-
2	Capacitor	-
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Bearing	Steel
6	Cover	Aluminium
7	Intercalate	Aluminium
8	Disc	Stainless Steel
9	Initial Diffuser	Noryl
10	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
11	Mechanical Seal Mobile	Graphite Steel
12	Impeller	Stainless Steel
13	Diffuser Lid Welded	Noryl
14	Diffuser Cover	Noryl
15	Pump Body	Stainless Steel

TYPE	DIMENSIONS (mm)						WEIGHT Kg	PALETTE Un
	A	B	C	D	E	F		
CHS 3-2	126	160	322	63	80	1"	5,1	100
CHS 3-3			340		98		5,4	
CHS 3-4			357		115		6,0	
CHS 3-5			375		133		6,0	
CHS 3-6			393		151		6,1	
CHS 5-3	155	179	353	71	107	1"	9,3	75
CHS 5-4			372		127		9,8	
CHS 5-5			390		146		10,5	
CHS 5-6			410		165		11,2	
CHS 5-7			430		185		12,6	
CHS 8-3	191	212	412	80	121	1 1/4"	12,1	45
CHS 8-4			436		150		12,7	
CHS 8-5			460		170		14,4	
CHS 8-6			485		195		15,5	
CHS 16-3	193	212	461	80	176	2"	14,3	40
CHS 16-4			500		215		16,5	35
CMH 16-5	176	215	565	90	131		20,6	40

SURFACE PRESSURE CMV

surface pump multistage



clean water



domestic use

Max Head 40 - 103m

Max Flow 7.2 - 22m³/h

Motor Power 0.8 - 4Kw

Discharge size G1- 1 ¼ F

DN 1" - **CMV 20** Aspiration 1" ½ -
Discharge 1"¼ - **CMV 30, CMV 40**



KEY ADVANTAGES OF A CMV PUMP

APPLICATION

CMV pumps are suitable for use with clean water. The high efficiency and adaptability of these pumps to even the most unusual of applications, make them ideal for use in the domestic, civil and industrial sectors; in particular for the distribution of water in combination with pressure sets and to increase pressure.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

Pump body and pusher in cast iron. Exterior shell and impeller in stainless steel (AISI304). Shaft in stainless steel (AISI 416). Diffusor in noryl with fiber-glass.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

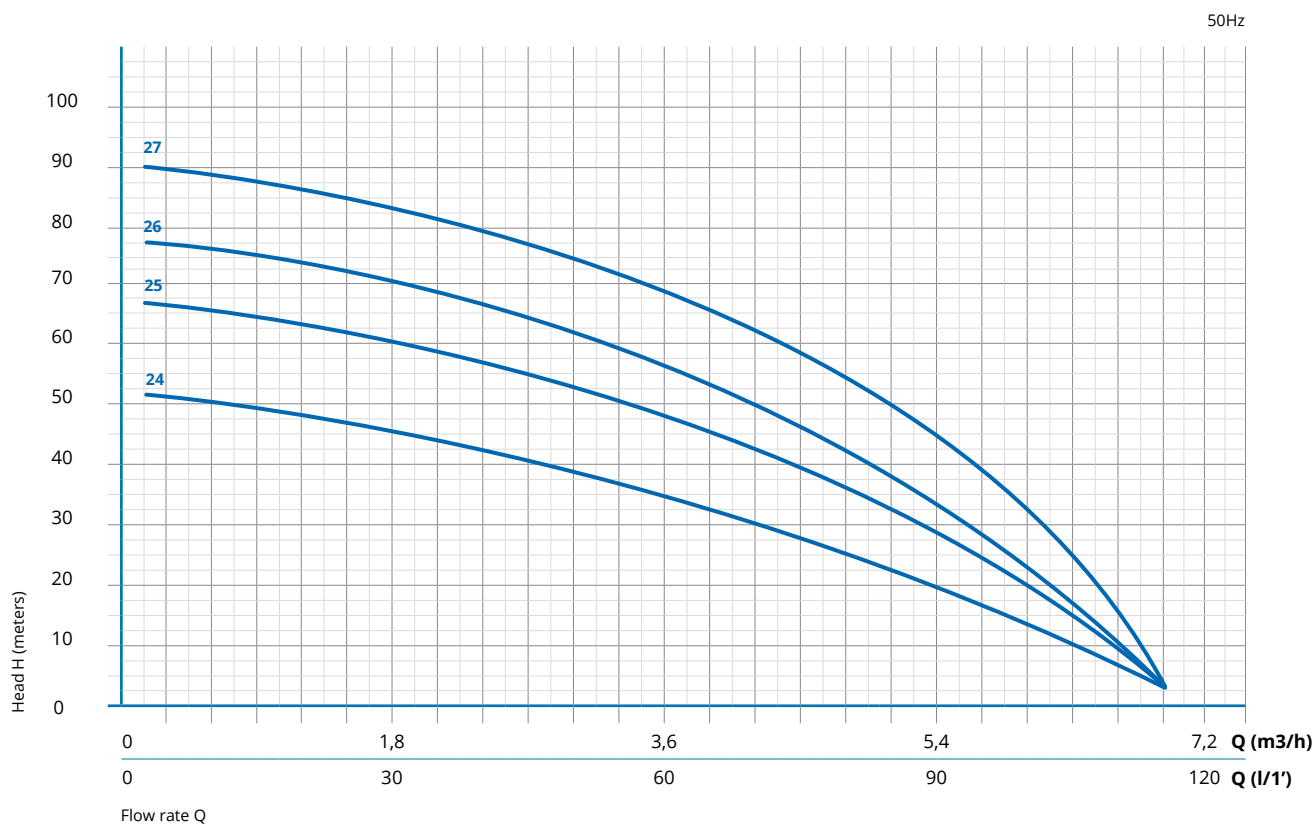
MOTOR

Externally ventilated. Mechanical seal (carbon-graphite). Protection IP44. Class F insulation.

FEATURES

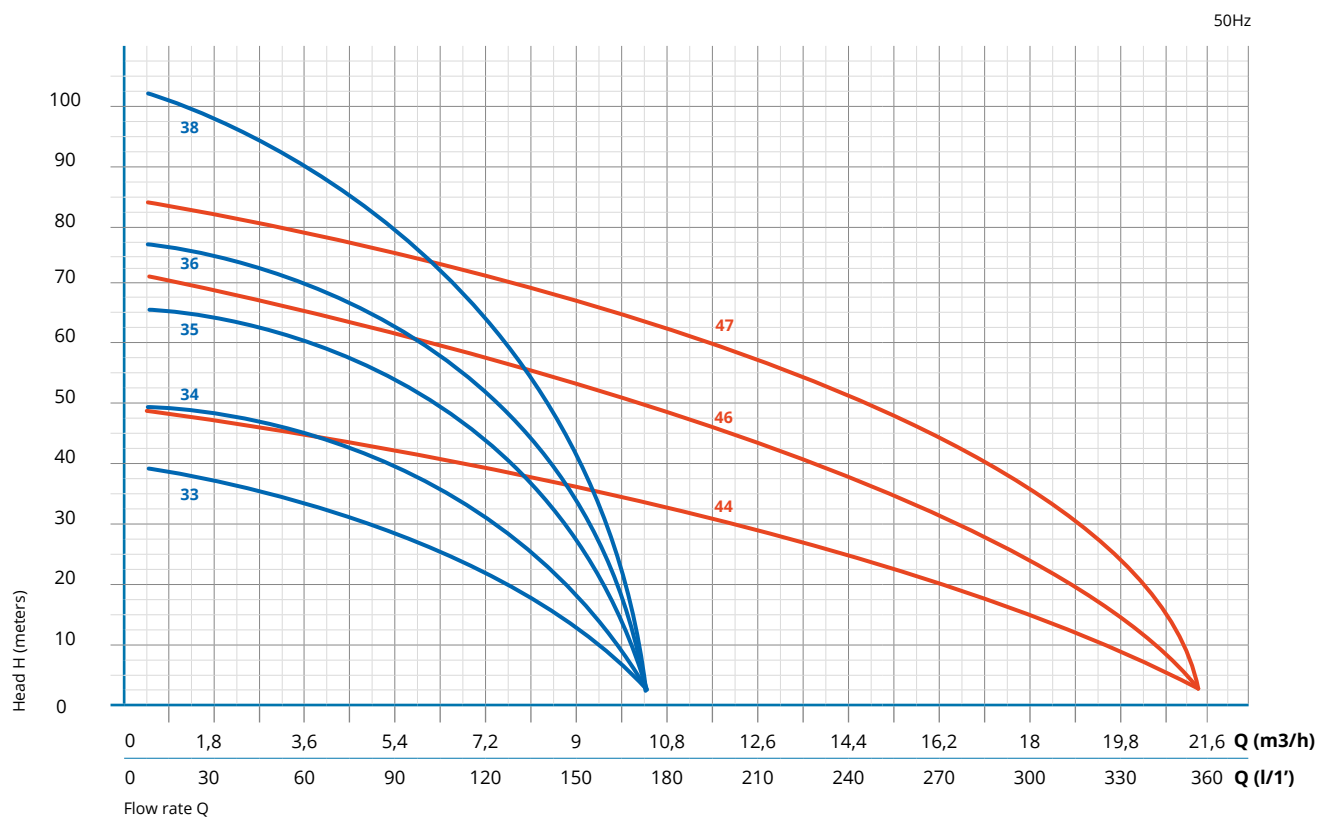
Max. starts/hour: 30

CHARACTERISTIC CURVES AND PERFORMANCE DATA



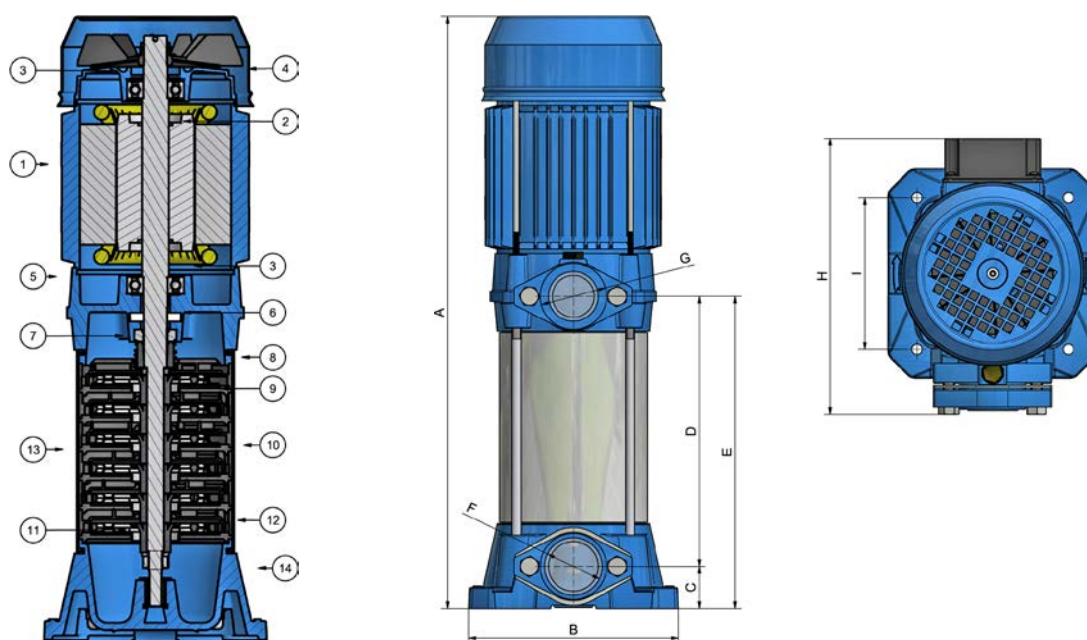
TYPE	POWER kW	MOTOR			PORT			Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~	1~ µF	3~	DN	DNA	DNC		0	10	20	30	40	50	75	95	150	175	200	250	300	330
CMV 24.80	0,8	5,4	16	2,3	1"	-	-	H - meters	52	51	48	46	43	39	27	15						
CMV 25.120	1,2	7,2	20	2,8					67	65,5	63	59	56	51	39	24						
CMV 26.120		7,8	25	3,5					78	76,5	74	71	67	62	46	29						
CMV 27.150	1,5	8,6	25	3,8					91	89	86	84	80	75	59	39						

CHARACTERISTIC CURVES AND PERFORMANCE DATA



TYPE	POWER kW	MOTOR			PORT			Qm³/h l/min	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~ A	1~ μF	3~ A	DN	DNA	DNC		0	10	20	30	40	50	75	95	150	175	200	250	300	330
CMV 33.90	0,9	6,2	25	3,7	-	1"½	1"¼	H - meters	40	39,5	39	38	37	36	32	28	13,5	4,5				
CMV 34.110	1,1	8,9	35	3,9					50	49,5	49	48,5	48	47	43	39	20	7,5				
CMV 35.150	1,5	11,2	40	4,6					66	65,5	65	64	63	62	57	52	28	11				
CMV 36.220	2,2	12	50	5					78	76	75	74	71	69	62	55	29	14				
CMV 38.300	3	-	-	6					103	102	99	97	96	94	88	78	32	10				
CMV 44.220	2,2	-	-	4,5					48	47,5	47	46	45	44	42	40	35	33	30	24	15	9
CMV 46.300	3	-	-	7,6					72	71	70	69	67	66	63	60	54	50	46	36	25	15
CMV 47.400	4	-	-	11					84	83	82	81	80	78	76	72	65	62	57	46	40	23

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Stator on Casing	
2	Rotor / Shaft	Steel and Aluminium / Stainless Steel
3	Bearing	Steel
4	Cover	Aluminium
5	Body Impulse	Iron Cast
6	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
7	Mechanical Seal Mobile	Graphite Steel
8	Initial Diffuser	Noryl
9	Impeller	Stainless Steel
10	Diffuser Lid Welded	Noryl
11	Busching Impeller	Plastic
12	Diffuser Cover	Noryl
13	Motor Casing	Stainless Steel
14	Pump Aspiration	Iron Cast

TYPE	DIMENSIONS (mm)			D	E	H	I	WEIGHT
	A	B	C					Kg
CMV 24.80	378	160	22	148	170	213	125	14,5
CMV 25.120	398			167	189			15
CMV 26.120	417			187	209			15,5
CMV 27.150	437			206	228			17
CMV 33.90	448	184	37	166	203	251	133	21
CMV 34.110	472			190	227			22
CMV 35.150	496			214	251			24
CMV 36.220	521			238	275			24,5
CMV 38.300.3	608			287	324	28		
CMV 44.220.3	598			248	285	263		33
CMV 46.300.3	720			325	362	290		37
CMV 47.400.3	800			365	402	299		45

BOOSTER SET DUO CMH/CMV

Pressuregroup



clean water



domestic use

Max Head 40 - 103m

Max Flow 11 - 44m³/h

Motor Power 0.9 - 4Kw

Discharge size G1½- 2 F



KEY ADVANTAGES OF A DUO CMH / CMV

APPLICATION

The DUO series are dual pump booster sets (CMH or CMV) supplied pre-assembled and ready to install. The sets are designed so that the pumps automatically operate in succession as the demand for water increases. This results in significant energy savings as the second pump runs only at times of high demand. The primary pump is switched automatically by the control box.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

This sets are preassembled with collector stainless steel discharge (suction as supplement), valves and brass valves, stainless steel pressure gauge in glycerine bath, 2 pressure pumps (CMH or CMV), galvanized steel frame and bracket, an electrical control and protection.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

MOTOR

Externally ventilated. Mechanical seal (carbon-graphite). Protection IP44. Class F insulation.

FEATURES

Max. starts/hour: 30

BOOSTER SET TRI CMH/CMV

Pressuregroup



clean water



domestic use

Max Head 40 - 103m
Max Flow 21 - 66m³/h
Motor Power 0.9 - 4Kw
Discharge size G 2 F



KEY ADVANTAGES OF A TRI CMH / CMV

APPLICATION

The TRI series are three pump booster sets (CMH or CMV) supplied pre-assembled and ready to install. The sets are designed so that the pumps automatically operate in succession as the demand for water increases. This results in significant energy savings as the second and third pump runs only at times of high demand. The primary pump is switched automatically by the control box.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

This sets are preassembled with collector stainless steel discharge (suction as supplement), valves and brass valves, stainless steel pressure gauge in glycerine bath, 3 pressure pumps (CMH or CMV), galvanized steel frame and bracket, an electrical control and protection.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

MOTOR

Externally ventilated. Mechanical seal (carbon-graphite). Protection IP44. Class F insulation.

FEATURES

Max. starts/hour: 30



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