

# ***FLOW***

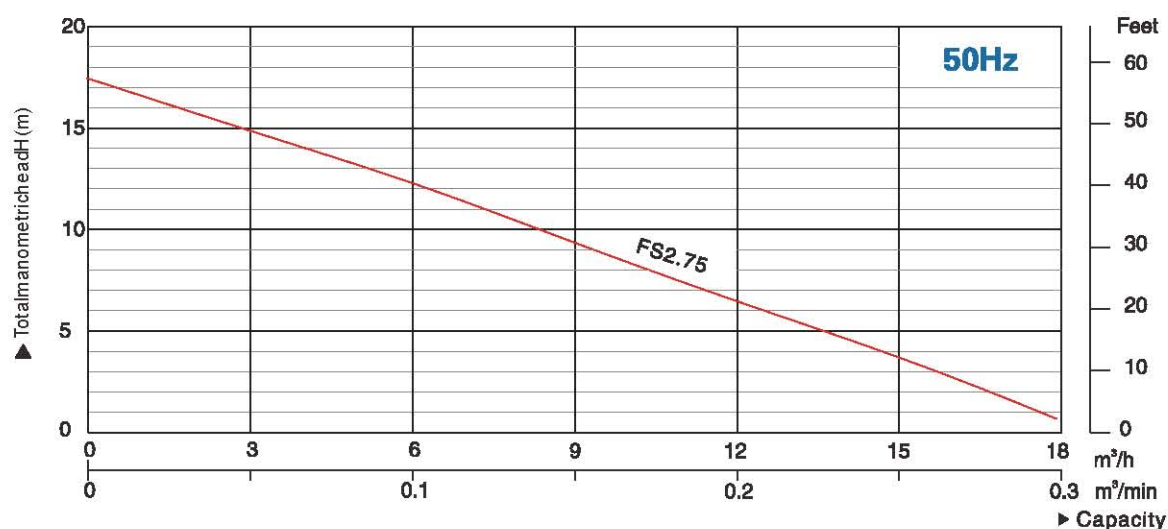




The large channel in the spiral casing allows the high sand and slit content water to pass through easily.  
The shaft-mounted agitator prevents the "air lock" that tends to take place on vortex pumps.  
The pump section can be disassembled and reassembled using a single 13-mm box wrench.

## Application

● Civil engineering, building sites, basements or utility pits, draining storm water, groundwater or puddles



## Standard specifications 50Hz

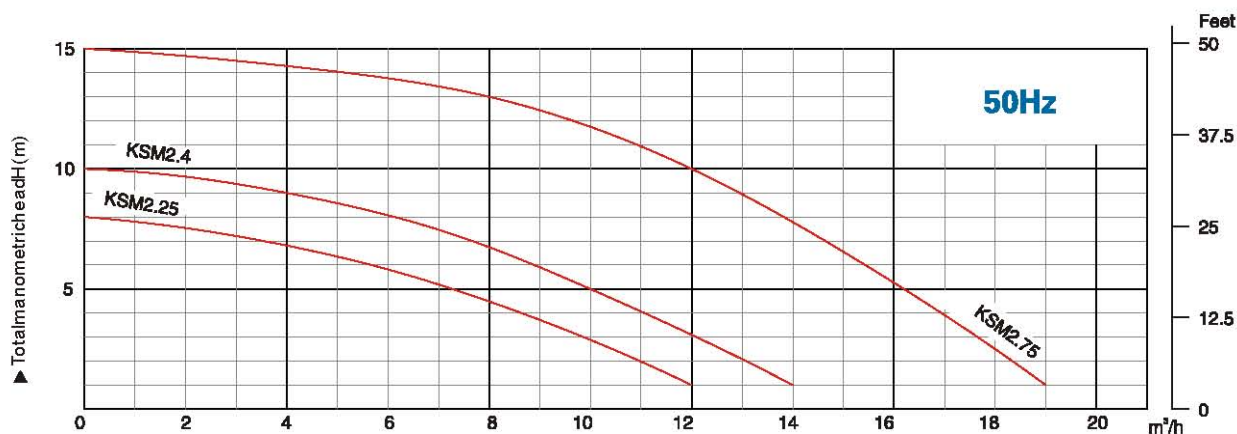
Model	Outlet mm	Motor Power Kw	Phase	Starting Method	Cable Length m	Impeller passage mm	G.w kg	Dimensions (mm)
FS2.75	50	0.75	Single	Capacitor Run	8	7	7.4	390 x 285 x 184



- Stainless steel outercasing cooling for continuous operation.
- Dynamically balanced high chrome steel impeller, high wear resistant.
- Double mechanical seal in oilbath.
- Lubricated for life, maintenance free bearings.
- Motor class F – IP68 execution with thermal overload protection
- Easy in maintenance and service

## Technical specifications

Shaft	Stainless steel AISI 420
Outercasing	Stainless steel AISI 304
Suction plate	Stainless steel AISI 304
Impeller	High chrome alloy or ductile iron
Cable	H07RNF
Mechanical seal	SiC/SiC– SiC/SiC
O–ring and volute	NBR rubber
Bolts/nuts	Stainless steel AISI 304
Motor temperature	40°C
Motor execution	IP68 – class F
Voltage	1 phase 230V–50Hz–2850RPM



## Special features on request

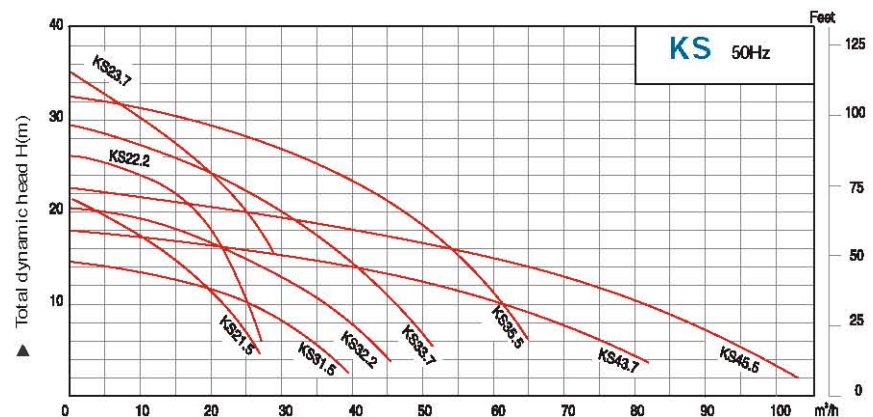
### Other voltages

Model	Outlet	Motor power		Max head	Max capacity		Impeller passage	Weight	Dimensions(mm)	
	mm	KW	HP	m	m³/h	m³/min	mm	Kg	Height	Diameter
KSM2.25	50	0.25	0.35	8	12	0.2	6	12	345	184
KSM2.4	50	0.4	0.5	10	14.4	0.24	6	12.5	345	184
KSM2.75	50	0.75	1	15	19.2	0.32	6	15	365	184

A stainless steel submersible pump with a black handle and a black discharge pipe. The pump body is cylindrical with horizontal ridges and a perforated bottom. It is shown against a white background.

- Pump casing double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Hermetically sealed motor equipped build-In thermal protection.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changed for different performances.
- Float switch on demand

Shaft	stainless steel AISI 420
Outercasing	stainless steel AISI 304
Suction plate	ductile iron
Impeller	high chrome alloy or ductile iron
Cable	15 meter H07RNF
Mechanical seal	SIC/SIC- SIC/SIC
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel
Motor temperature	40°C
Motor execution	IP68 class F
Voltage	3 phase 400V-50Hz
Max. water depth	50m



Model	Outlet	Motor power		Max head	Max capacity		Impeller passage	Weight	Dimensions(mm)	
	mm	KW	HP	m	m³/h	m³/min	mm	Kg	Height	Diameter
KSM 21.5(F)	50	1.5	2	22	27	0.45	8.5	34	552	240
KSM 31.5(F)	80	1.5	2	14.5	40	0.67	8.5	34	552	240
KS 21.5(F)	50	1.5	2	22	27	0.45	8.5	32.5	537	240
KS 31.5(F)	80	1.5	2	14.5	40	0.67	8.5	32.5	537	240
KS 22.2(F)	50	2.2	3	26	27	0.45	8.5	36	572	240
KS 32.2(F)	80	2.2	3	21	50	0.83	8.5	36	572	240
KS 23.7(F)	50	3.7	5	34	29	0.48	8.5	45	518	274
KS 33.7(F)	80	3.7	5	29	55	0.92	8.5	45	518	274
KS 43.7(F)	100	3.7	5	18	90	1.5	8.5	45	518	274
KS 35.5(F)	80	5.5	7.5	32	70	1.17	8.5	50	558	274
KS 45.5(F)	100	5.5	7.5	23	105	1.75	8.5	50	558	274

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The body of motor and pump is made of rigid cast iron for long-lasting durability.  
Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure (0.5Mpa) .  
Semi-open impeller made of high chrome alloy match with wear plate (ductile iron) achieves superior durability.  
Effective motor cooling due to discharge channel cast as part of the motor housing. Space economy by a top outlet  
Discharge 50mm (2") to 150mm (6"), motor 1.5Kw (2HP) to 11Kw(15HP).  
Hermetically sealed motor equipped build-in thermal protection.



## Specifications

- Capacity: up to 147 m<sup>3</sup>/h
- Head: up to 51 meters
- Power: 1.5Kw(2HP) to 11 Kw (15HP)
- Power supply: three phase 380 V  $\pm$  10%, 50Hz
- Insulation class: F
- Protection class: Ip68
- Cable: Length 8m
- Water temperature: up to 40°C
- Max. water depth: 50m

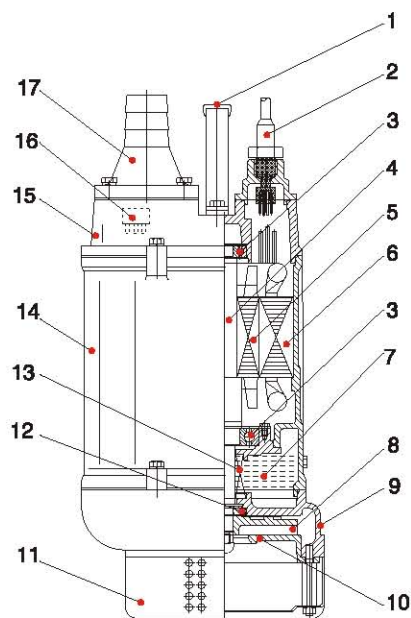
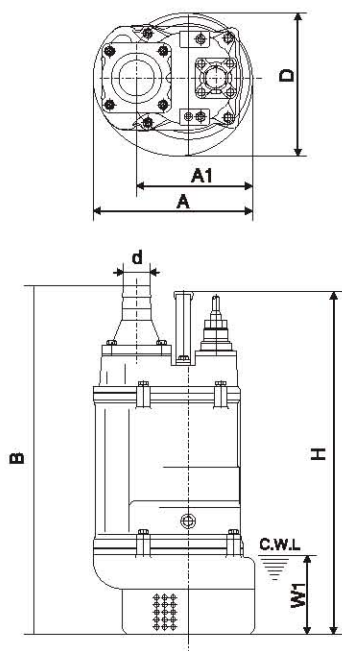
## Application

- Civil engineering
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

## Special features on request

- Other voltages

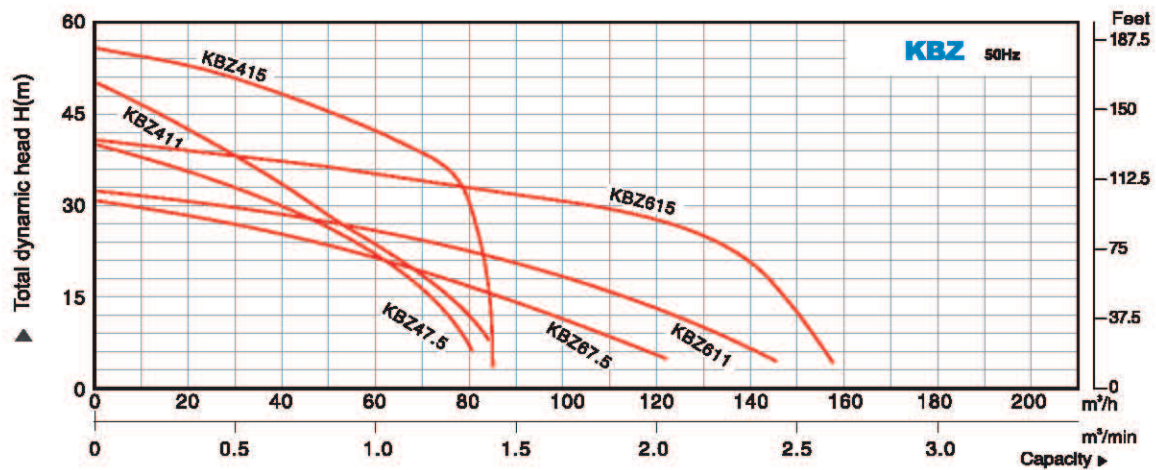
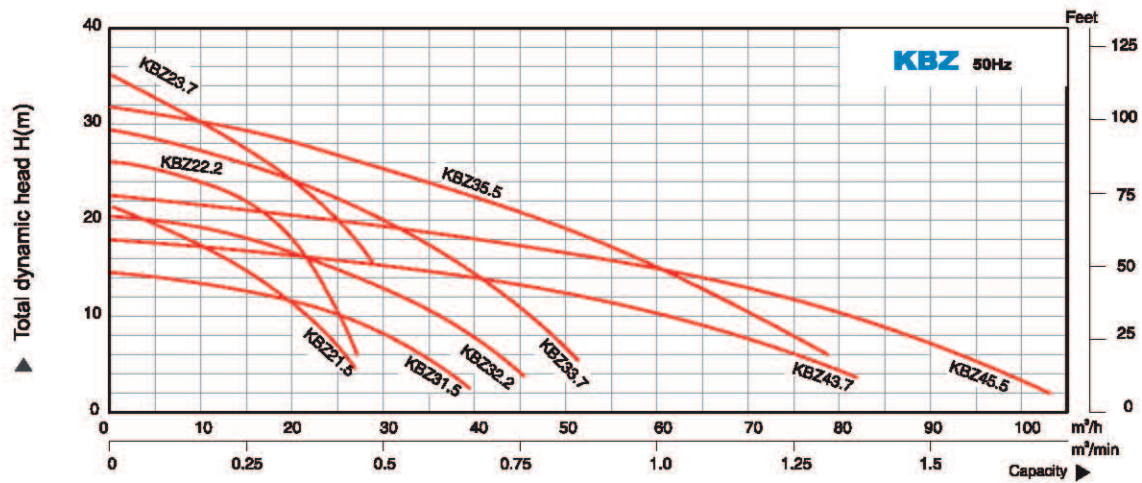




Item No.	Part name	Material	Item No.	Part name	Material
1	Handle	Rubber & steel	10	End Plate	Ductile iron
2	Cable	2PNCT-F	11	Filter	Steel
3	Bearing	Ball Bearing	12	Oil seal bracket	
4	Shaft	AISI420SS	13	Mechanical seal	Sic-sic/Sic-sic
5	Rotor		14	Motor body	Cast iron
6	Stator		15	Upper cover	Cast iron
7	Lube oil		16	Motor protector	
8	Impeller	High chrome alloy or ductile iron	17	Hose coupling	Cast iron
9	Pump body	Cast iron			

Model	d	A	A1	B	D	H	W1
KBZ21.5	50	235	173	517	216	486	120
KBZ31.5	80	235	173	517	216	486	120
KBZ22.2	50	235	173	517	216	486	120
KBZ32.2	80	235	173	517	216	486	120
KBZ23.7	50	283	208	628	252	638	150
KBZ33.7	80	283	208	628	252	638	150
KBZ43.7	100	283	208	642	252	638	150
KBZ35.5	80	306	218	671	259	688	150
KBZ45.5	100	306	218	686	259	688	150
KBZ47.5	100	330	240	764	314	676	190
KBZ411	100	373	255	807	350	695	190
KBZ67.5	150	330	240	790	314	676	190
KBZ611	150	373	255	807	350	695	190

## Performance curves



Model(50Hz)	Outlet	Motor power		Max head	Max capacity		Impeller passage	N.W	G.W	Packing dimension
	mm	Kw	HP	m	m³/h	m³/min	mm	Kg	Kg	mm
KBZ21.5	50	1.5	2	22	27.0	0.45	8.5	34.5	37.5	585X275X250
KBZ22.2	50	2.2	3	26.0	27.0	0.45	8.5	36	39	585X275X250
KBZ23.7	50	3.7	5	34.0	29.0	0.48	8.5	60	65	675X315X280
KBZ31.5	80	1.5	2	14.5	40.0	0.67	8.5	34.5	37	585X275X250
KBZ32.2	80	2.2	3	21.0	50.0	0.83	8.5	36	39	585X275X250
KBZ33.7	80	3.7	5	29.0	55.0	0.92	8.5	60	65	675X315X280
KBZ35.5	80	5.5	7.5	32.0	70.0	1.17	8.5	77	84	725X350X345
KBZ43.7	100	3.7	5	18.0	90.0	1.50	8.5	61	66	675X315X280
KBZ45.5	100	5.5	7.5	23.0	105.0	1.75	8.5	78	85	725X350X345
KBZ47.5	100	7.5	10	40.0	84.0	1.40	11.5	105	114	805X365X395
KBZ411	100	11	15	48.5	86.4	1.44	11.5	130	140	855X415X445
KBZ415	100	15	20	56.0	86.4	1.44	11.5	142	153	890X415X445
KBZ67.5	150	7.5	10	31.0	124.8	2.08	19.5	106	114	835X365X395
KBZ611	150	11	15	32.0	147.0	2.45	19.5	133	143	855X415X445
KBZ615	150	15	20	40.0	156.0	2.60	19.5	145	156	890X415X445



**Submersible slurry pumps with a 4-pole motor for an increased lifetime and greater convenience.**

**KBS-based extra powered submersible slurry pumps with agitator.**

**Slim design with a top discharge enabling installation in smaller casings.**

**For bentonite mixed water in foundation works or muddy water in civil engineering works.**



## Specification

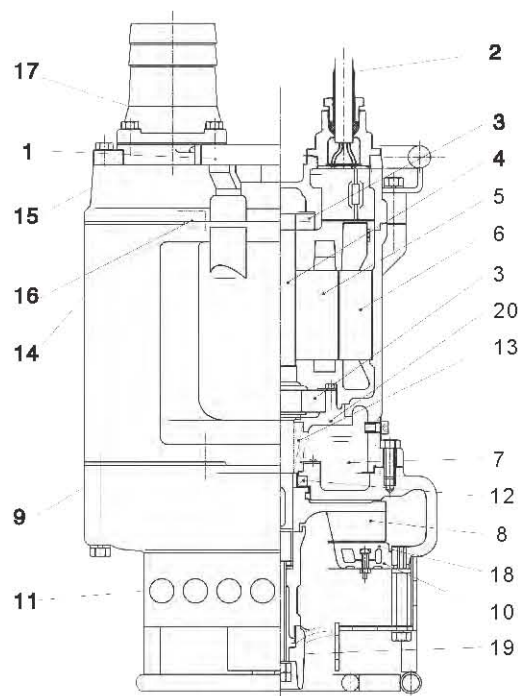
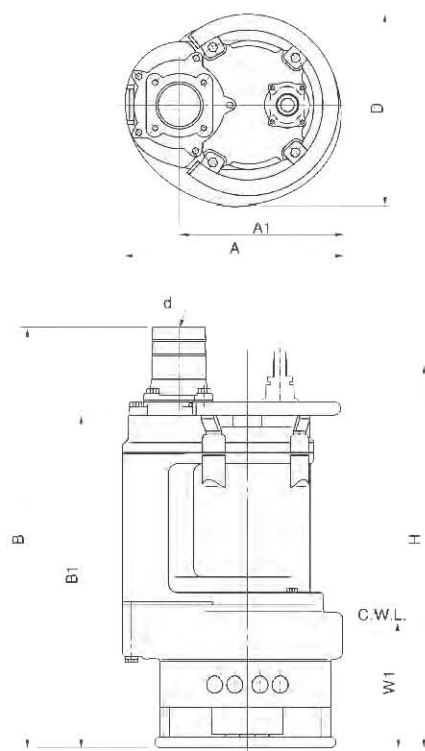
- Capacity: up to 3.25 m<sup>3</sup>/min
- Head: up to 22 m
- Discharge 80mm (3" ) to 150mm (6" )
- Power: 4Kw(5-1/3 HP) to 9Kw(12 HP)
- Power supply: three phase 380V ± 10%
- Insulation class: F
- Cable: length 8m
- Water temperature: up to 40°C
- Max. water depth: 30m

## Application

- Civil engineering
- Mines, quarriers, coal ore & slurries
- Sewage treatment plants
- General pumping purposes
- Pumping fluid: sludge, sludge, liquids containing mud and/or bentonite

## Special features on request

- Other voltages

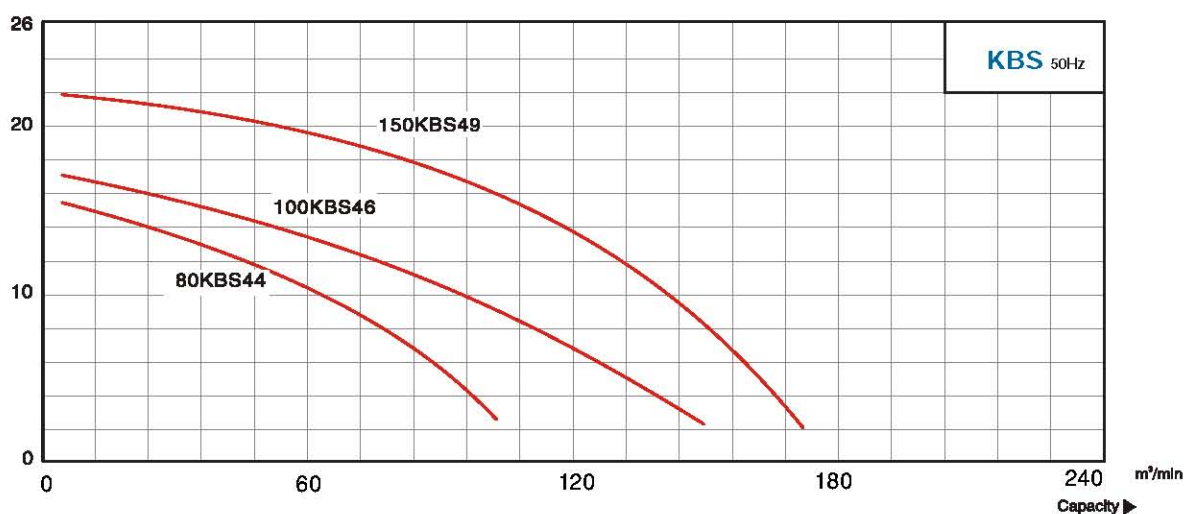


Item No.	Part name	Material	Item No.	Part name	Material
1	Handle	Steel	11	Filter	Steel
2	Cable	2PNCT-F	12	Oilseal bracket	
3	Bearing	Ball bearing	13	Mechanical seal	Sic-Sic/ Sic-Sic
4	Shaft	AISI420SS	14	Motor body	Cast iron
5	Rotor		15	Upper cover	Cast iron
6	Stator		16	Motor protector	
7	Lube oil		17	Hose coupling	Cast iron
8	Impeller	Chromium iron casting	18	Suction plate	Chromium iron casting
9	Pump body	Cast iron	19	Agitator	Chromium iron casting
10	End plate	Cast iron	20	Bearing house	Cast iron

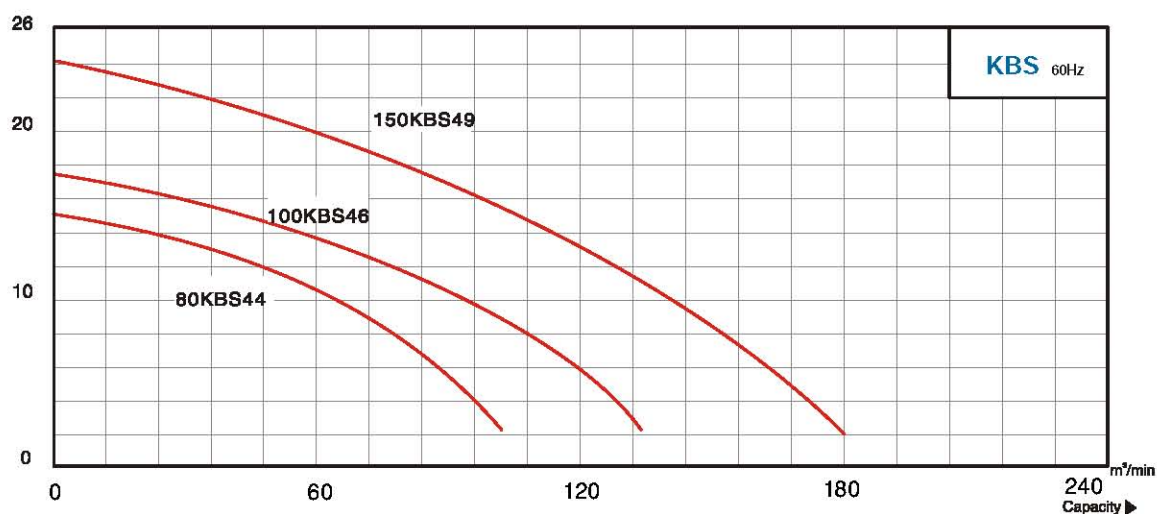
Model	d	A	A1	B	B1	D	H	W1
80KBS44	80	350	260	765	666	326	730	250
100KBS46	100	415	305	848	688	373	730	250
150KBS49	150	434	324	869	709	407	776	250

W1=continuous running water level

### Performance curves 50Hz $\approx 1450\text{r/min}$



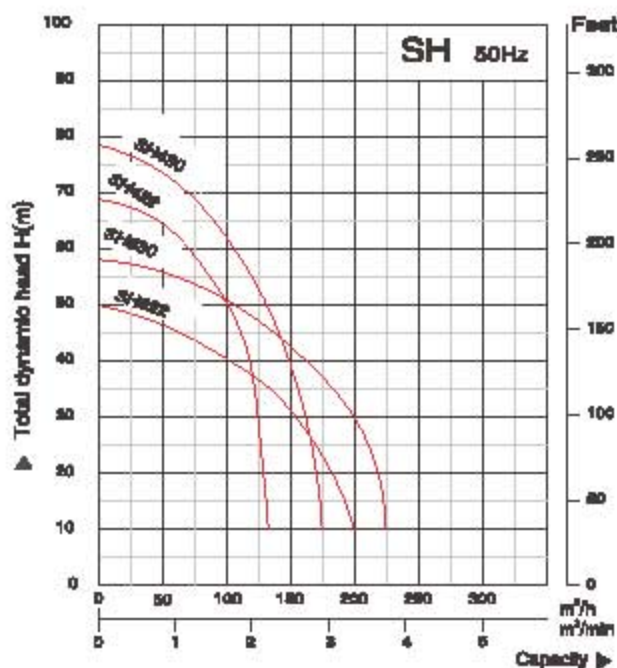
### Performance curves 60Hz $\approx 1750\text{r/min}$



Model	Outlet	Motor power Kw	Max head m		Max capacity m³/min		Impeller passage mm	N.W Kg	G.W Kg	Packing dimension mm
	mm		50Hz	60Hz	50Hz	60Hz				
80KBS44	80	4	14.8	14.5	1.65	1.70	30	105	113	385x365x940
100KBS46	100	6	16.9	16.5	2.50	2.35	30	145	156	415x475x970
150KBS49	150	9	21.5	23.5	2.85	2.90	30	170	184	475x475x1030



The body of motor and pump is made of rigid cast iron for long-lasting durability.  
 Greatly increased maximum submersion depth due to double mechanical seal resistant to high pressure  
 Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed. Space economy by a top outlet.  
 Hermetically sealed motor equipped.  
 Discharge 100mm(4") to 150mm(6"), motor 22kW(30HP) to 30 kW (40HP)  
 Motor is dry type submersible induction motor (2 poles).



## Specification

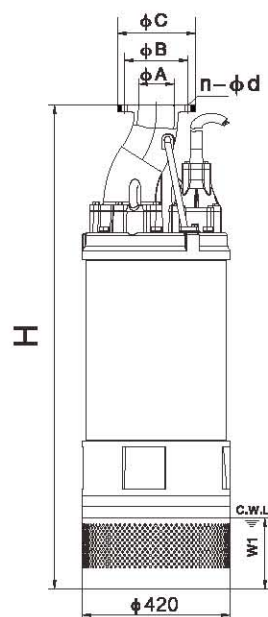
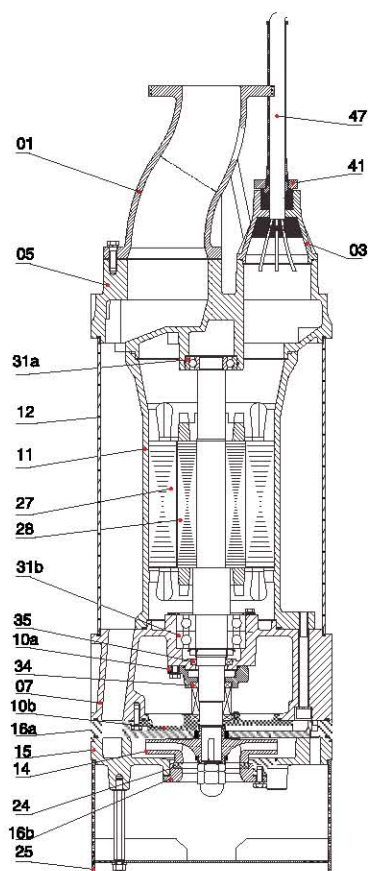
- Capacity: up to 220 m³/h
- Head: up to 78 meters
- Power : 22kW(30HP) to 30 kW (40HP)
- Supply voltage : Three Phase 400 V ± 10%, 50Hz, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable Length : 20m
- Water temperature: up to 40°C
- Max. water depth: 30 m

## Application

- Deep-well pre-dewatering or high-head dewatering
- Civil engineering and construction works
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

## Special features on request

- Other voltages
- The length of cable is optional



W1: Continuous running water level

Model	H	W1	$\phi A$	$\phi B$	$\phi C$	$n-\phi d$
SH422	1374	240	100	180	220	8- $\phi 17.5$
SH430	1374	240	100	180	220	8- $\phi 17.5$
SH622	1434	250	150	240	285	8- $\phi 22$
SH630	1434	250	150	240	285	8- $\phi 22$

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Ductile iron	16b	Inlet plate	Cast iron
03	Terminal box	Cast iron	24	Neck ring	High chrome alloy
05	Upper cover	Cast iron	25	Strainer	AISI304SS
07	Bearing house	Cast iron	27	Stator	
10a	Seal bracket	Cast iron	28	Rotor	Shaft:AISI420SS
10b	Seal bracket	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
12	Outer casing	Steel	34	Mechanical seal	Tc-Sic/Sic-Sic
14	Impeller	High chrome alloy	35	Oil seal	
15	Diffuser	Ductile iron	41	Shim	Cast iron
16a	Inlet plate	Ductile iron	47	Cable	

Model	Outlet	Motor power		Rated capacity		Rated head	Max capacity		Max head	Impeller passage	N.W	G.W	Packing dimension
	mm	kW	HP	m <sup>3</sup> /h	m <sup>3</sup> /min	m	m <sup>3</sup> /h	m <sup>3</sup> /min	m	mm	Kg	Kg	mm
SH422	100	22	30	66	1.1	60	130	2.17	68	6	365	408	620X740X1540
SH430	100	30	40	72	1.2	70	170	2.83	78	6	370	413	620X740X1540
SH622	150	22	30	120	2.0	37	200	3.33	50	15	375	420	620X740X1600
SH630	150	30	40	140	2.33	45	220	3.67	56	15	380	425	620X740X1600

**Light weight, compact design for easy transport and positioning of pump.**

**Built-in thermal protection prevents motor from overloading, overheating .**

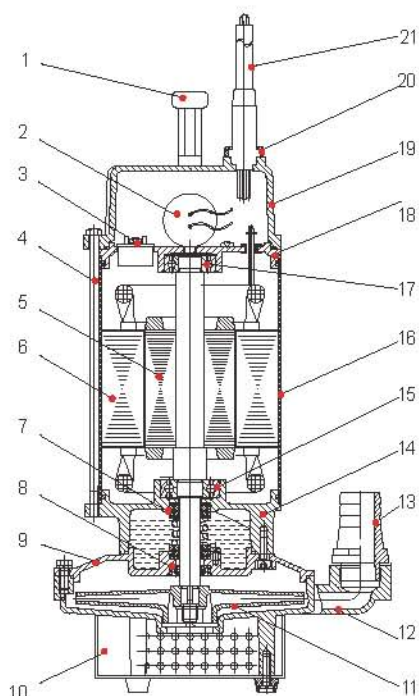
**Chrome plated shaft ensure high corrosion resistant and durability.**

## Application

- Household, Garden, Pressure boosting system, Agricultural irrigation

## Specifications

- Water temperature: up to 35°C
- PH: 6.5 to 8
- Power supply: single phase 220V  $\pm$  10%, 50Hz;
- Power: 0.37–1.1Kw
- Insulation class: B
- Protection class: IP 68
- Capacity: up to 40m<sup>3</sup>/h
- Head: up to 32m
- Maximum Immersion depth: 5m
- Cable: Length 8m

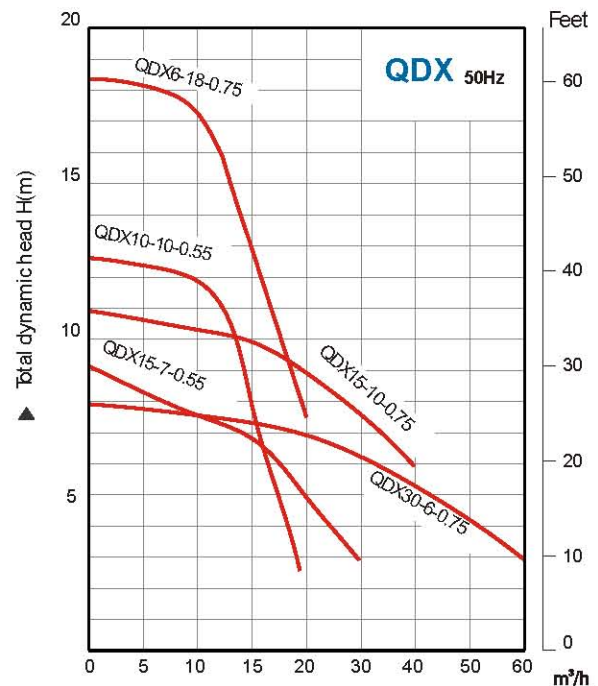
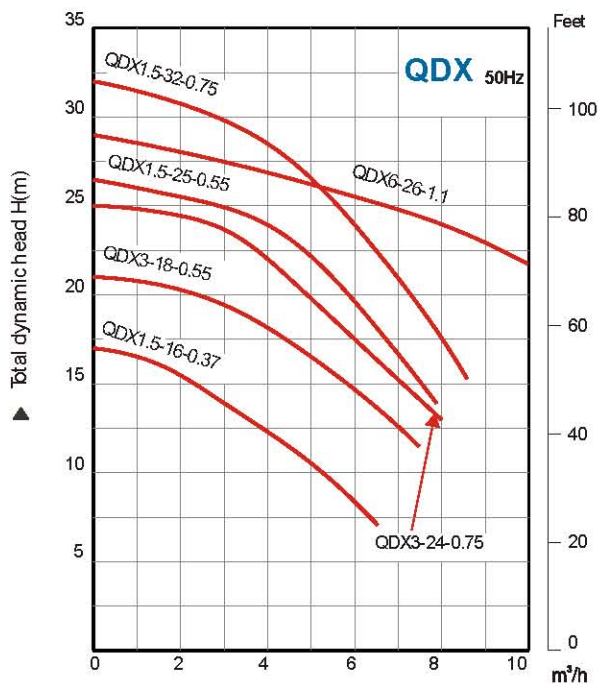


## Materials of construction

Item No.	Part name	Material
1	Handle	
2	capacitor	
3	Motor protector	
4	Bolt	Stainless Steel
5	Rotor	
6	Stator	
7	Mechanical seal	Sic- Sic
8	Oil seal bracket	
9	Plate	
10	Filter	Stainless Steel
11	Impeller	Aluminum alloy
12	Pump body	Cast iron
13	Hose coupling	Cast Iron
14	Bearing house	Cast iron
15	Bearing	Ball Bearing
16	Motor body	Stainless Steel
17	Bearing	Ball Bearing
18	Bearing house	Cast iron
19	Upper cover	Cast iron
20	cover	AISI304SS
21	Cable	



## Performance curves



Model	Voltage	Rated power		Outlet		Rated capacity	Rated head	N.W	G.W	Packing dimension
	v	Kw	HP	mm	in	m³/h	m	Kg	Kg	mm
QDX1.5-16-0.37(F)	220	0.37	0.5	25	1"	1.5	16	10	11	430x185x195
QDX3-18-0.55(F)	220	0.55	0.75	25	1"	3	18	13	14	430x230x205
QDX10-10-0.55(F)	220	0.55	0.75	40	1.5"	10	10	13	14	435x220x205
QDX15-7-0.55(F)	220	0.55	0.75	50	2"	15	7	12.8	13.8	455x230x210
QDX1.5-32-0.75(F)	220	0.75	1	25	1"	1.5	32	14.6	15.6	445x230x205
QDX3-24-0.75(F)	220	0.75	1	25	1"	3	24	15	16	450x220x205
QDX6-18-0.75(F)	220	0.75	1	40	1.5"	6	18	14	15	450x220x205
QDX15-10-0.75(F)	220	0.75	1	65	2.5"	15	10	14.3	15.3	470x230x210
QDX30-6-0.75(F)	220	0.75	1	80	3"	30	6	14	15	490x230x240
QDX6-26-1.1(F)	220	1.1	1.5	40	1.5"	6	26	17	18	440x200x230

The vortex impeller resides out of volute. Therefore any solids that can enter the inlet is able to traverse the channel via vortex action Sic Mechanical Seal with great wear resistance.

Chromium plated shaft ensure high corrosion and wear resistance Watertight cable entry system protects the motor from water and moisture in case of cable damaged and submerged.

Built-in thermal protector automatically stops the pump in event of open phase, short circuit, overloading and overheating.

## Application

factory, mining, power plant, slaughterhouse, and construction site etc where the liquid most contain big size solids

## Specifications

Liquid temperature :  $\leq 40^{\circ}\text{C}$

Ph: 4 to 10

Density of liquid :  $1.3 \times 10^3 \text{ kg/m}^3$

Power supply: 50Hz 220v single phase or 380V  $\pm 10\%$  three phase.

Max Immersion Depth:  $\leq 5\text{m}$

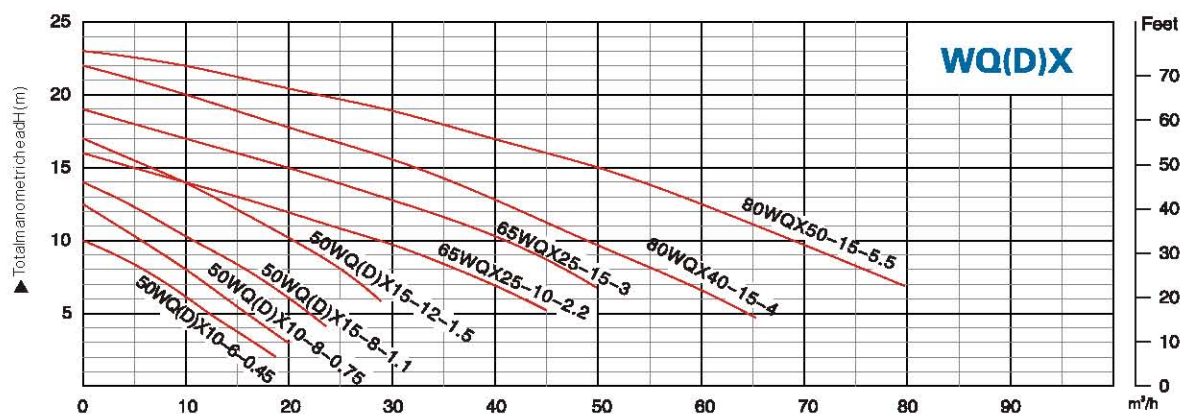
Insulation Class: B

Cable: length 8m



0.45-1.5kW

2.2-5.5kW



Model	Outlet	Motor power	Max head	Max capacity	Impeller passage	Weight	Dimensions
	mm	KW	m	m³/h	mm	Kg	(mm)
50WQDX10-6-0.45(F)	50	0.45	10	18	35	16.8	51 × 20 × 26
50WQDX10-8-0.75(F)	50	0.75	12	20	35	18.4	54 × 20 × 26
50WQDX15-8-1.1(F)	50	1.1	14	24	35	20.5	56 × 22 × 27.5
50WQDX15-12-1.5(F)	50	1.5	17	26	35	22.2	58 × 22 × 27.5
50WQX10-6-0.45	50	0.45	10	18	35	15.3	50 × 20 × 26
50WQX10-8-0.75	50	0.75	12	20	35	16.9	53 × 20 × 26
50WQX15-8-1.1	50	1.1	14	24	35	19.9	55 × 22 × 27.5
50WQX15-12-1.5	50	1.5	17	26	35	21.8	57 × 22 × 27.5
65WQX25-10-2.2	65	2.2	16	45	56	42	68 × 25 × 31
65WQX 25-15-3	65	3	19	50	56	49	70 × 25 × 31
80 WQX40-15-4	80	4	22	65	56	60	80 × 29 × 37
80 WQX50-15-5.5	80	5.5	23	80	56	71.5	83 × 32 × 34

● (F): Float switch

**Non-clogging double vane impeller can pump large solid cover full range of head.**  
**Chrome plated shaft ensure high corrosion resistant and wear resistant.**  
**Power consumption under 4Kw equipped with thermal protection.**  
**Designed for pumping sewage, waste water, rainwater and living water containing solid grains, various fabric, sludge and solid .**



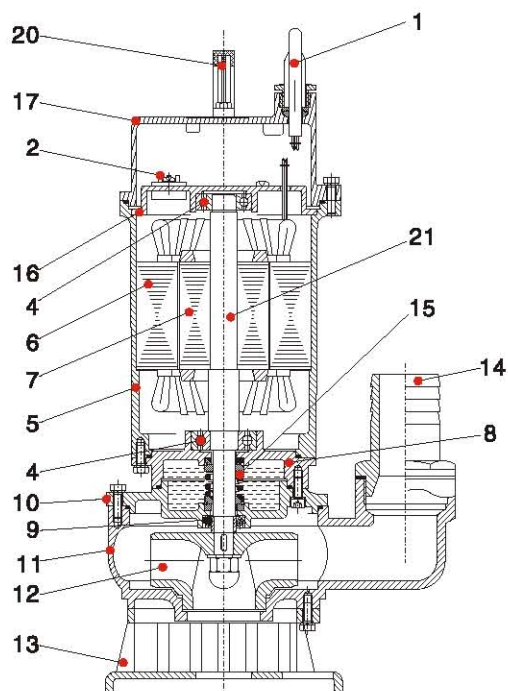
## Application

- Municipal project, Industrial building, Mining, Civil engineering

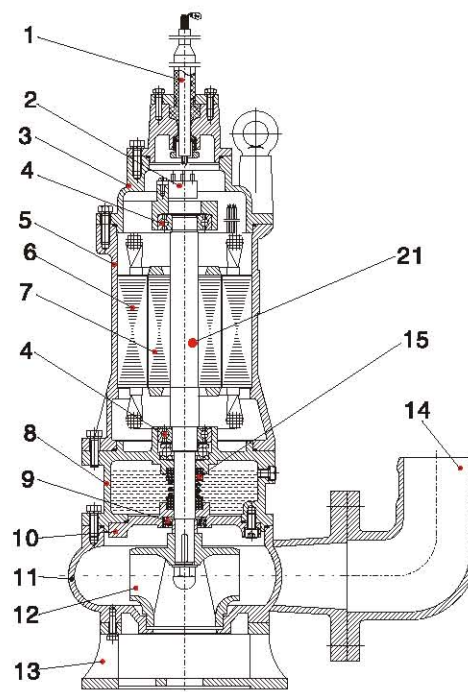
## Specifications

- Water temperature: up to 35°C
- PH: 6.5 to 8.5
- Density of liquid: 1.3g/cm<sup>3</sup>
- Power supply: single phase 220V ± 10%, 50Hz; three phase 380V ± 10%, 50Hz
- Power: 0.75-45Kw
- Insulation class: B
- Protection class: IP 68
- Capacity: up to 800m<sup>3</sup>/h
- Head: up to 48m
- Maximum immersion depth: 10m
- Cable: Length 8m

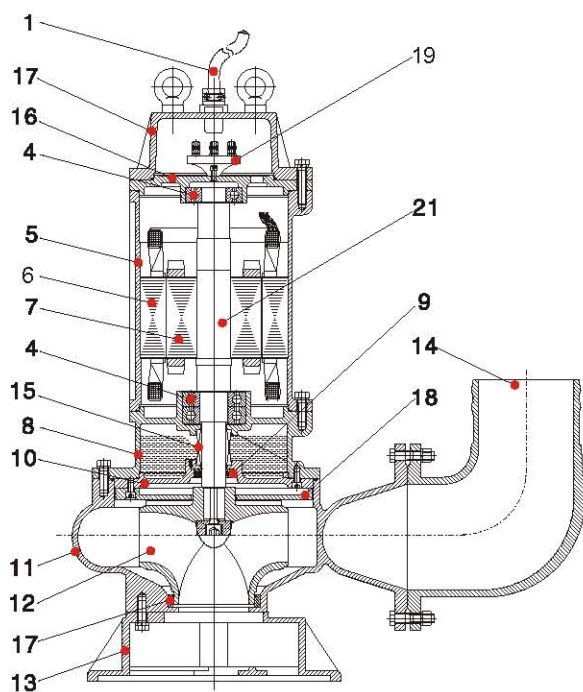




**WQ0.55-1.5Kw**



**WQ2.2-4Kw**

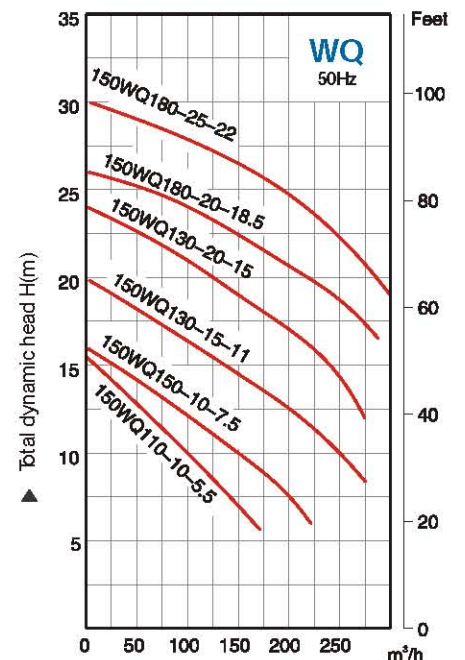
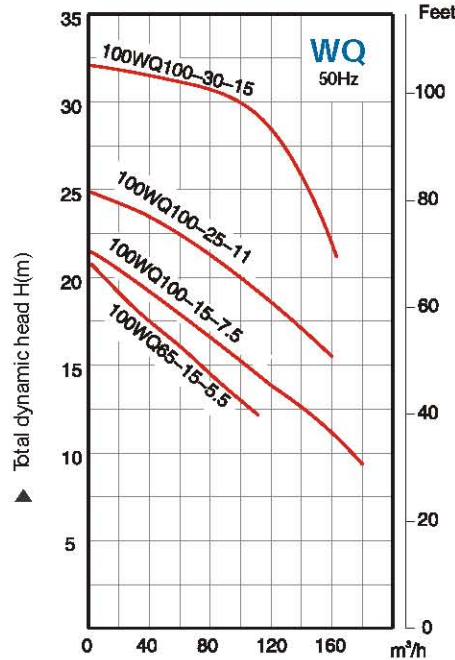
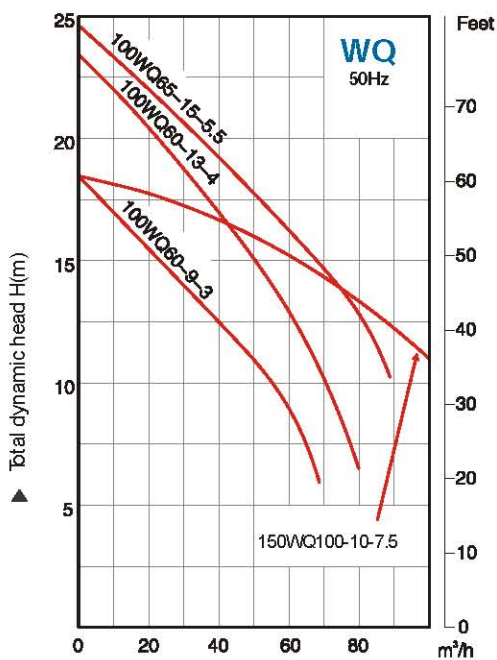
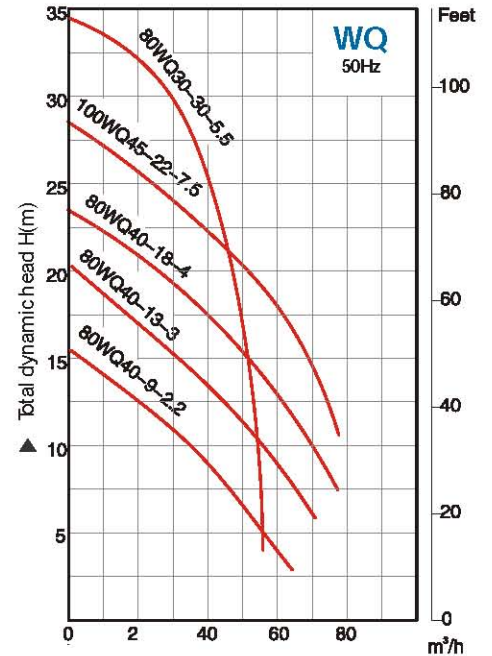
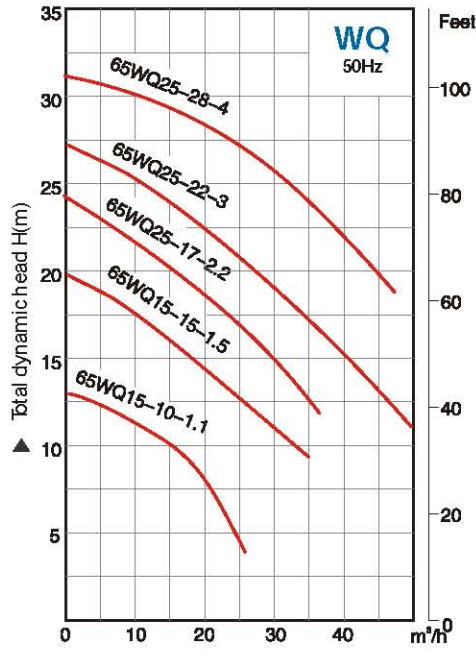
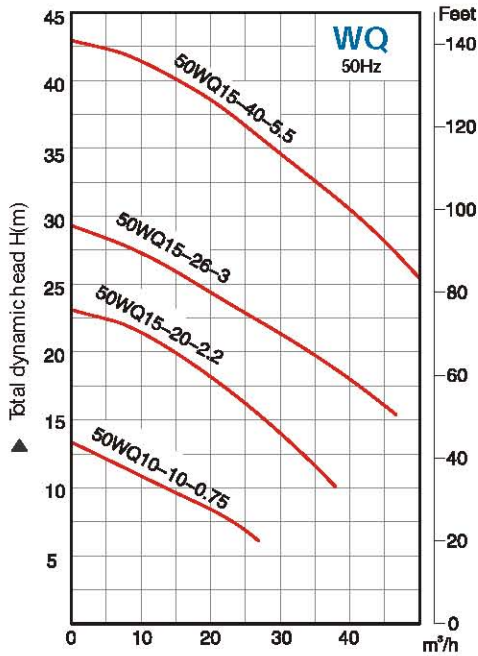


**WQ5.5-45Kw**

## Materials of construction

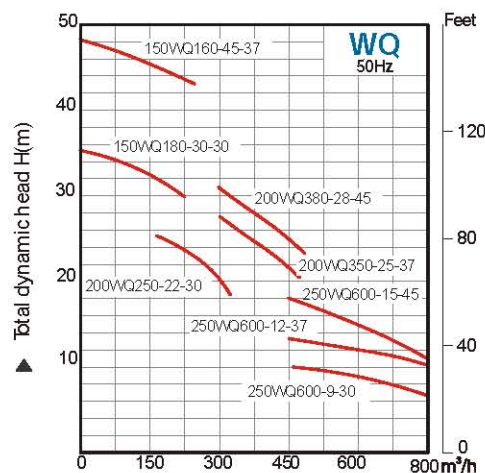
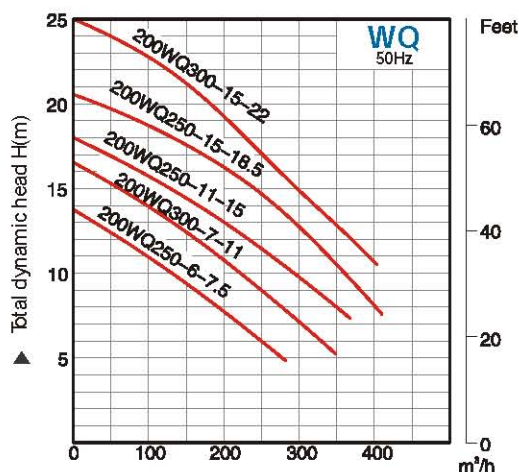
Item No.	Part name	Material
1	Cable	
2	Motor protector	
3	Bearing house	Cast iron
4	Bearing	Ball Bearing
5	Motor body	Cast iron
6	Stator	
7	Rotor	
8	Bearing house	Cast iron
9	Oil seal bracket	
10	Plate	Cast iron
11	Pump body	Cast iron
12	Impeller	Cast iron
13	End stand	Cast iron
14	Hose coupling	Cast iron
15	Mechanical seal	Sic-sic/carbon ceramics
16	Up-cover	Cast iron
17	Plate	Cast iron
18	Bearing house	Cast iron
19	Patch board	
20	handle	Steel
21	shaft	AISI 1045

## Performance curves





## Performance curves



Model	Voltage	Motor power		Outlet	Guide Rail Fitting	Rated capacity	Rated head	Speed	Impeller passage	N.W	Packing dimension
	v	Kw	HP			m³/h	m	r.p.m	mm	kg	mm
50WQD10-8-0.55	220	0.55	0.75	2	/	10	8	2860	20	16	435x215x275
50WQ10-8-0.55	380	0.55	0.75	2	/	10	8	2860	20	16	435x215x275
50WQD10-10-0.75	220	0.75	1	2	/	10	10	2860	25	19	510x230x270
50WQ10-10-0.75	380	0.75	1	2	/	10	10	2860	25	19	510x230x270
65WQ15-10-1.1	380	1.1	1.5	2.5	/	15	10	2860	25	23.5	520x230x280
65WQ15-15-1.5	380	1.5	2	2.5	/	15	15	2860	25	25	520x230x280
50WQ15-20-2.2	380	2.2	3	2	50-50	15	20	2860	25	44	680x250x310
65WQ25-17-2.2	380	2.2	3	2.5	65-65	25	17	2860	25	44	680x250x310
80WQ40-9-2.2	380	2.2	3	3	65-80	40	9	2860	30	45	700x270x350
50WQ15-26-3	380	3	4	2	50-50	15	26	2860	25	50	700x270x340
65WQ25-22-3	380	3	4	2.5	65-65	25	22	2860	30	50	700x250x310
80WQ40-13-3	380	3	4	3	80-80	40	13	2860	30	52	700x280x320
100WQ60-9-3	380	3	4	4	80-100	60	9	2860	30	52	750x260x320
65WQ25-28-4	380	4	5.5	2.5	65-65	25	28	2860	30	62	800x290x360
80WQ40-18-4	380	4	5.5	3	80-80	40	18	2860	30	65	800x290x370
100WQ60-13-4	380	4	5.5	4	80-100	60	13	2860	30	65	840x330x380
50WQ15-40-5.5	380	5.5	7.5	2	50-50	15	40	2860	20	73	810x320x340
80WQ30-30-5.5	380	5.5	7.5	3	80-80	30	30	2860	30	75	810x320x340
100WQ65-15-5.5	380	5.5	7.5	4	100-100A	65	15	2860	30	75	840x330x380
100WQ45-22-7.5	380	7.5	10	4	100-100A	45	22	2860	30	123	400x380x960
150WQ100-10-7.5	380	7.5	10	6	150-150	100	10	2860	40	123	410x400x960
100WQ65-15-5.5	380	5.5	7.5	4	100-100A	65	15	1450	35	126	420x520x1050
150WQ110-10-5.5	380	5.5	7.5	6	150-150	110	10	1450	40	153	450x530x1070
100WQ100-15-7.5	380	7.5	10	4	100-100A	100	15	1450	35	156	450x570x1060
150WQ150-10-7.5	380	7.5	10	6	150-150	150	10	1450	50	163	450x550x1080
100WQ100-25-11	380	11	15	4	100-100	100	25	1450	40	221	500x580x1110
150WQ130-15-11	380	11	15	6	150-150	130	15	1450	45	239	500x600x1140
200WQ300-7-11	380	11	15	8	200-200	300	7	1450	50	252	500x630x1140
100WQ100-30-15	380	15	20	4	100-100	100	30	1450	40	239	480x600x1140
150WQ130-20-15	380	15	20	6	150-150	130	20	1450	50	259	480x600x1240
200WQ250-11-15	380	15	20	8	200-200	250	11	1450	50	274	480x600x1240
150WQ180-20-18.5	380	18.5	25	6	150-150	180	20	1450	50	300	500x610x1270
200WQ250-15-18.5	380	18.5	25	8	200-200	250	15	1450	50	300	500x610x1270
150WQ180-25-22	380	22	30	6	150-150	180	25	1450	50	324	500x610x1300
200WQ300-15-22	380	22	30	8	200-200	300	15	1450	50	324	500x610x1300
150WQ180-30-30	380	30	40	6	150-150	180	30	1450	70	445	560x730x1430
200WQ250-22-30	380	30	40	8	200-200	250	22	1450	70	446	560x730x1430
250WQ600-9-30	380	30	40	10	250-250	600	9	1450	70	446	560x730x1430
150WQ160-45-37	380	37	50	6	150-150	160	45	1450	70	492	590x730x1450
200WQ350-25-37	380	37	50	8	200-200	350	25	1450	70	493	590x730x1450
250WQ600-12-37	380	37	50	10	250-250	600	12	1450	70	493	590x730x1450
200WQ380-28-45	380	45	60	8	200-200	380	28	1450	70	545	590x780x1450
250WQ600-15-45	380	45	60	10	250-250	600	15	1450	70	545	590x780x1450





**Chromium plated shaft ensures high corrosion resistant and wear resistant.**

**The shredding action is caused by using a cutting impeller with against a "spiral" diffuser plate.**

**Power consumption under 4Kw equipped with thermal protection .**

**The distance between the suction plate and impeller is adjustable.**

**This unique design ensures our pump always at peak performance for years of operation.**

**Designed for pumping sewage, waste water, rainwater and living water contain solid grains , plastic bag, rope , various fabric , sludge and solid .**

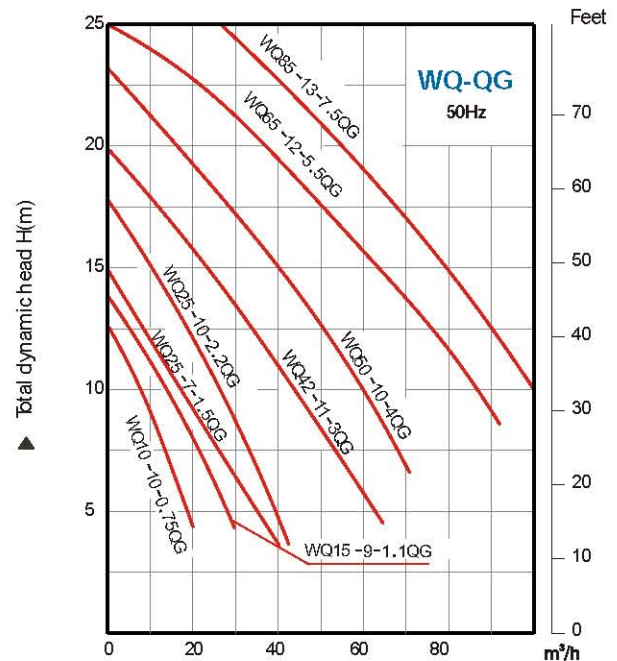
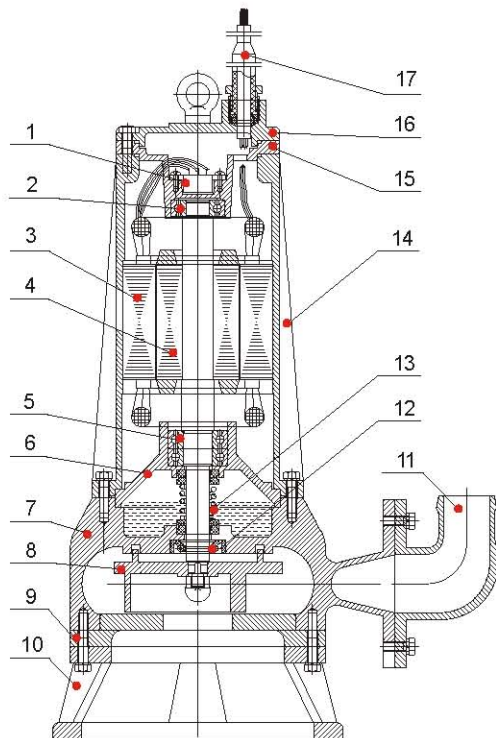
## Application

- Municipal project ,Industrial buildings ,mining ,civil engineering ,
- Waster, water treatment .

## Specifications

- Water temperature: up to 35°C
- PH: 6.5 to 8.5
- Density of liquid: 1.3g/cm<sup>3</sup>
- Power supply: three phase, 380V ± 10%,50Hz
- Power: 0.75~7.5Kw
- Insulation class: B
- Protection class: IP 68
- Capacity: up to 120m<sup>3</sup>/h
- Head: up to 30m
- Maximum immersion depth: 10m
- Cable: Legth 8m

## Performance curves



## Materials of construction

Item No.	Part name	Material	Item No.	Part name	Material
1	Motor protector		10	End stand	Cast iron
2	Bearing	Ball Bearing	11	Hose coupling	Cast iron
3	Stator		12	Oil seal bracket	Cast iron
4	Rotor		13	Mechanical seal	
5	Bearing	Ball Bearing	14	Motor body	Sic- Sic
6	Bearing house	Cast iron	15	Bearing house	Cast iron
7	Pump body	Cast iron	16	Upper cover	Cast iron
8	Impeller	Cast iron	17	Cable	Cast iron
9	End plate	Cast iron			

Model	Motor power		Outlet in	Guide Rial Fitting	Rated capacity m³/h	Rated head m	Speed r.p.m	Impeller passage mm	N.W Kg	Packing dimension mm
	Kw	HP								
WQ10-7-0.75QG	0.75	1	2"	50-50	10	7	2860	20	28	430x270x310
WQ15-9-1.1QG	1.1	1.5	2"	50-50	15	10	2860	20	29	450x270x310
WQ25-7-1.5QG	1.5	2	2"	50-50	25	7	2860	40	38.5	580x250x300
WQ25-10-2.2QG	2.2	3	2"	50-50	25	10	2860	40	42	600x250x300
WQ42-11-3QG	3	4	3"	80-80	42	11	2860	50	60	660x300x340
WQ50-10-4QG	4	5.5	3"	80-80	50	10	2860	50	63	680x300x340
WQ65-12-5.5QG	5.5	7.5	4"	100-100	65	12	2860	60	91	770x310x420
WQ85-13-7.5QG	7.5	10	4"	100-100	85	13	2860	60	98	810x310x420

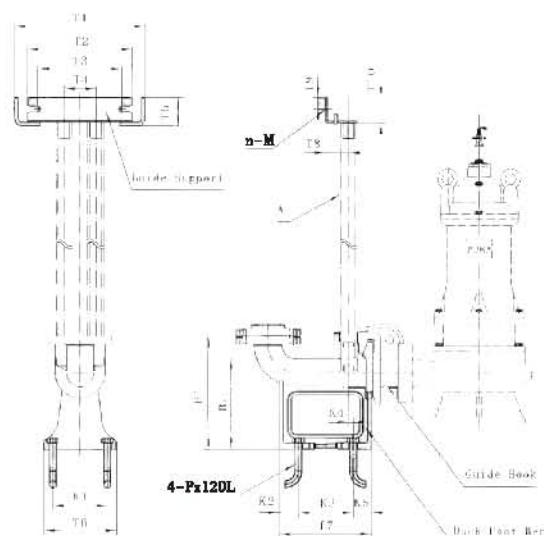
## GUIDE-RAIL SYSTEM



- Sewage pump with standard flanged elbow can connect to this fitting automatically.

### Supplied with

- Duck-Foot Bend
- Guide Hook with Hex.Bolt and Spring Washer
- Flange Connector with Hex.Bolt and Spring Washer
- Upper Guide Support  
(Foundation Bolts and Guide Pipe are not Included)

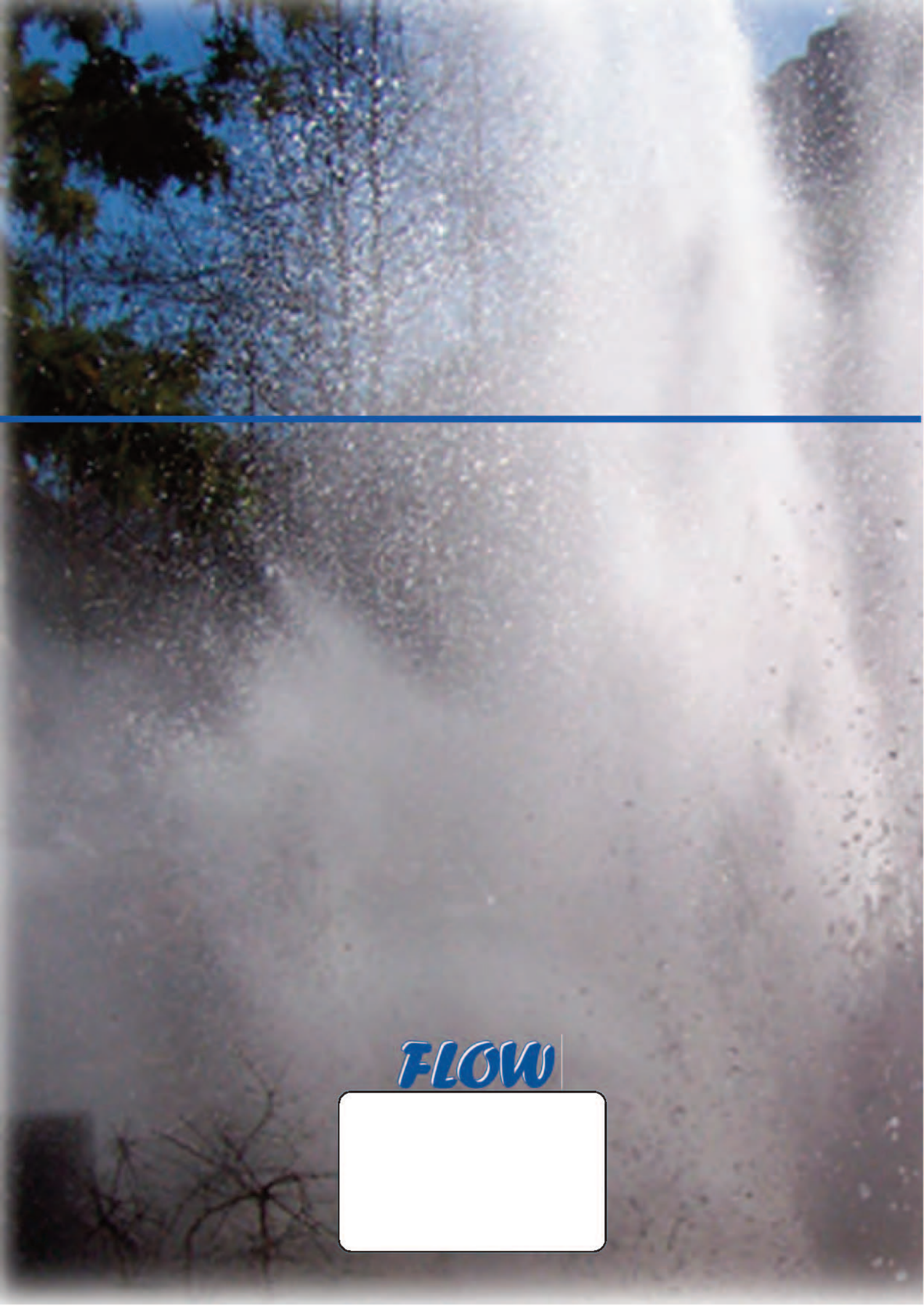


MODEL	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	B1	B2	K1	K2	K3	K4	K5	A	P	n-M
TO 50-50	288	230	185	70	63	160	200	50	25	55	250	203	120	40	120	10	40	25A	M16	2-M10x40
TO 50-65	288	230	185	70	63	160	200	50	25	55	250	203	120	40	120	10	40	25A	M16	2-M10x40
TO 65-65	288	230	195	80	63	190	220	60	25	55	250	203	120	40	120	10	40	32A	M16	2-M10x40
TO 65-80	288	230	195	80	63	190	220	60	25	55	270	220	140	40	140	15	40	32A	M16	2-M10x40
TO 80-80	288	230	195	80	63	220	250	60	25	55	290	242	170	40	170	15	40	32A	M16	2-M10x40
TO 80-100	288	230	195	80	63	220	250	60	25	55	290	242	170	40	170	15	40	32A	M16	2-M10x40
TO 100-100A	382	300	245	100	74	250	290	95	30	66	340	285	200	45	200	19	45	50A	M16	2-M12x40
TO100-100	/	410	315	170	105	320	385	90	30	60	305	245	280	38	300	17	48	32A	M18	2-M12x50
TO150-150	/	410	260	280	60	400	410	100	30	60	480	388	300	60	350	90	55	40A	M20	2-M12x80
TO200-200	/	410	260	280	60	400	450	100	30	60	550	432	320	54	300	100	54	40A	M22	2-M12x80
TO250-250	/	410	260	280	60	400	560	100	30	60	630	453	360	65	430	100	65	40A	M22	2-M12x80



[illegible]





***FLOW***

