



WQK

Submersible
Sewage Pumps



WQK
Submersible Sewage Pumps

DESCRIPTION

- ◆ The durable whole cast iron parts design.
- ◆ The shaft material are all of stainless steel material 2Cr13 carbide double sides mechanical sealing.
- ◆ Cutting impeller, objects can be cut up.
- ◆ Can be configured coupling bend, the water festival and directly connected with pipe thread or NPT threaded pipe bending.

APPLICATIONS

WQK(50Hz) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

USING LIMITS

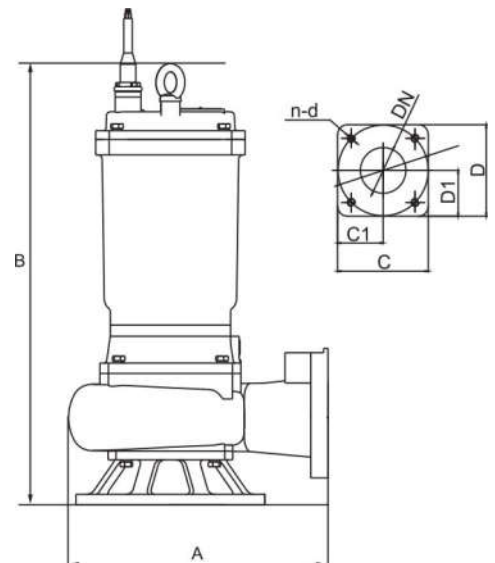
- ◆ Maximum liquid temperature +40°C
- ◆ pH level from 4-10
- ◆ Maximum liquid density 1.2 x 103 kg/m3
- ◆ Power frequency is 50Hz. Nominal voltage 380VAC or 415VAC for three phase with the range from -10% to 10%
- ◆ Immersion depth from 0.5m-5m



Clean Industry

TECHNICAL SHEET

Model	WQK	
Capacity	0-320	m ³ /h
Head	0-34	m
DN	50 - 100	mm
Speed	2850	rpm
T max	40	°C
Power	0.37 - 22	kW
Voltage	380	V
HZ	50	
Class	Class F	
IP	IP 68	
Duty	Dirty water	
Casing	Cast iron	
Impeller	Cast iron	
Shaft	AISI304	
Shaft seal	Mechanical Seal	
Bearing	Grease lubrication rolling bearing	



MODEL	Dimensions							
	B	A	DN	C	C1	D	D1	n-d
WQK9.6-10-0.75	460	250	2"	100	50	100	50	4-M10
WQK15-12-1.5	520	270	2"	100	50	100	50	4-M10
WQK18-15-2.2	525	292	3"	140	70	150	70	4-M12
WQK30-18-3.7	560	326	3"	140	70	150	70	4-M12
WQK36-22-5.5	600	346	4"	140	70	150	70	4-M12
WQK48-25-7.5	600	346	4"	140	70	150	70	4-M12
WQK100-23-11	995	710	4"	170	85	170	85	4-M19
WQK100-30-15	995	710	4"	170	85	170	85	4-M19
WQK100-35-18.5	1055	775	4"	170	85	170	85	4-M12
WQK100-40-22	1055	775	4"	170	85	170	85	4-M19
WQK130-30-22	1055	775	4"	170	85	170	85	4-M19

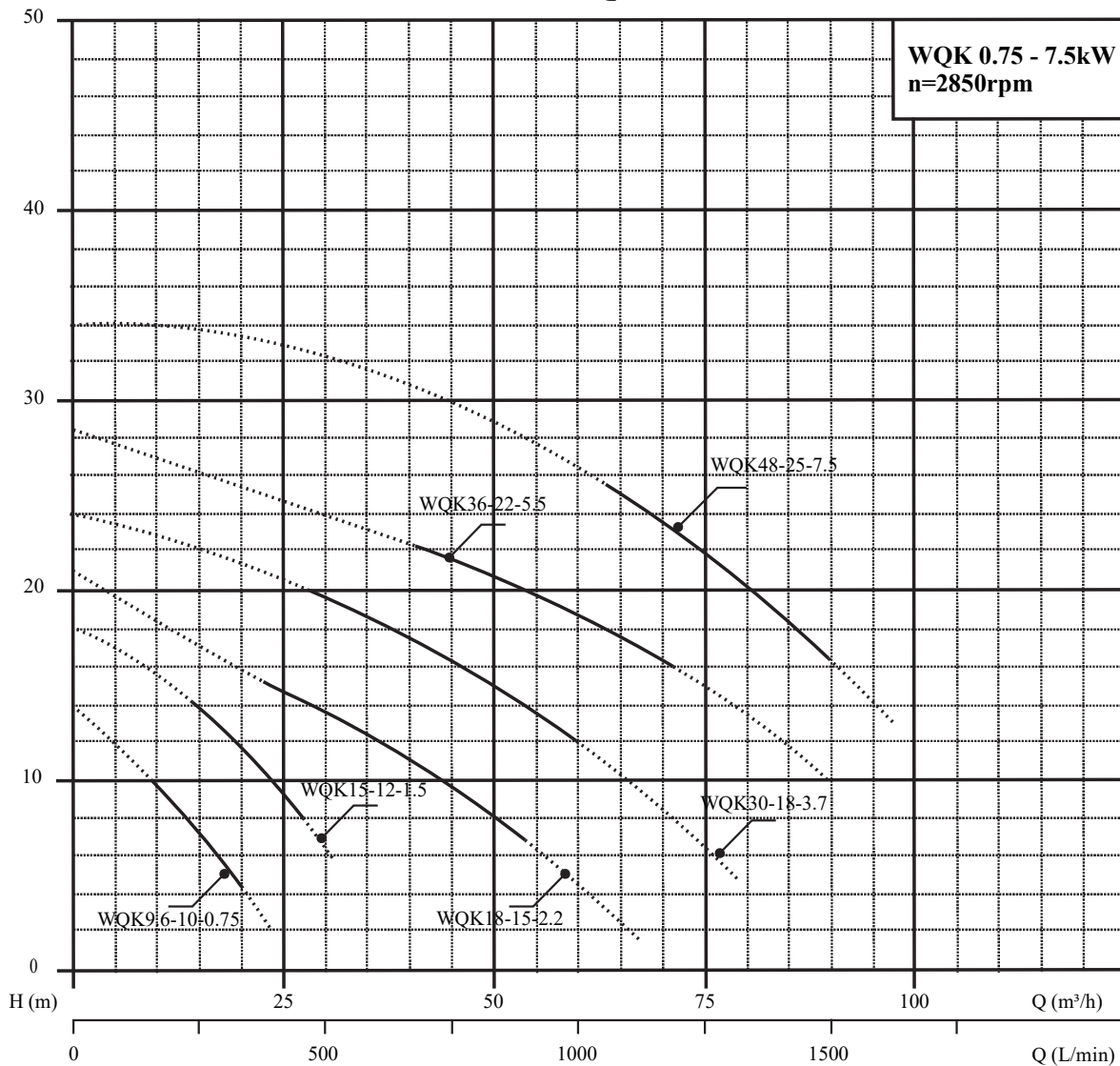
TECHNICAL DATA

50 Hz

n=2850 1/min

MODEL	Power		Current (A)	Max Flow (L/min)	Max Head (m)	Rate Flow (L/min)	Rate Head (m)	Solids Passage (mm)	Dia.mm (LxWxH)	DN (mm)	G.W (kg)
	kW	HP									
WQK9.6-10-0.75	0.75	1	2	400	14	160	10	20	305x250x525	50	34
WQK15-12-1.5	1.5	2	3.6	520	18	250	12	20	330x255x600	50	42.3
WQK18-15-2.2	2.2	3	5.1	1100	21	300	15	20	365x275x600	80	51.7
WQK30-18-3.7	3.7	5	8.2	1300	24	500	20	30	370x325x680	80	71
WQK36-22-5.5	5.5	7.5	11.7	1500	29	600	22	30	400X340x770	100	85
WQK48-25-7.5	7.5	10	15.7	1650	34	800	25	30	400X340x770	100	91

WQK



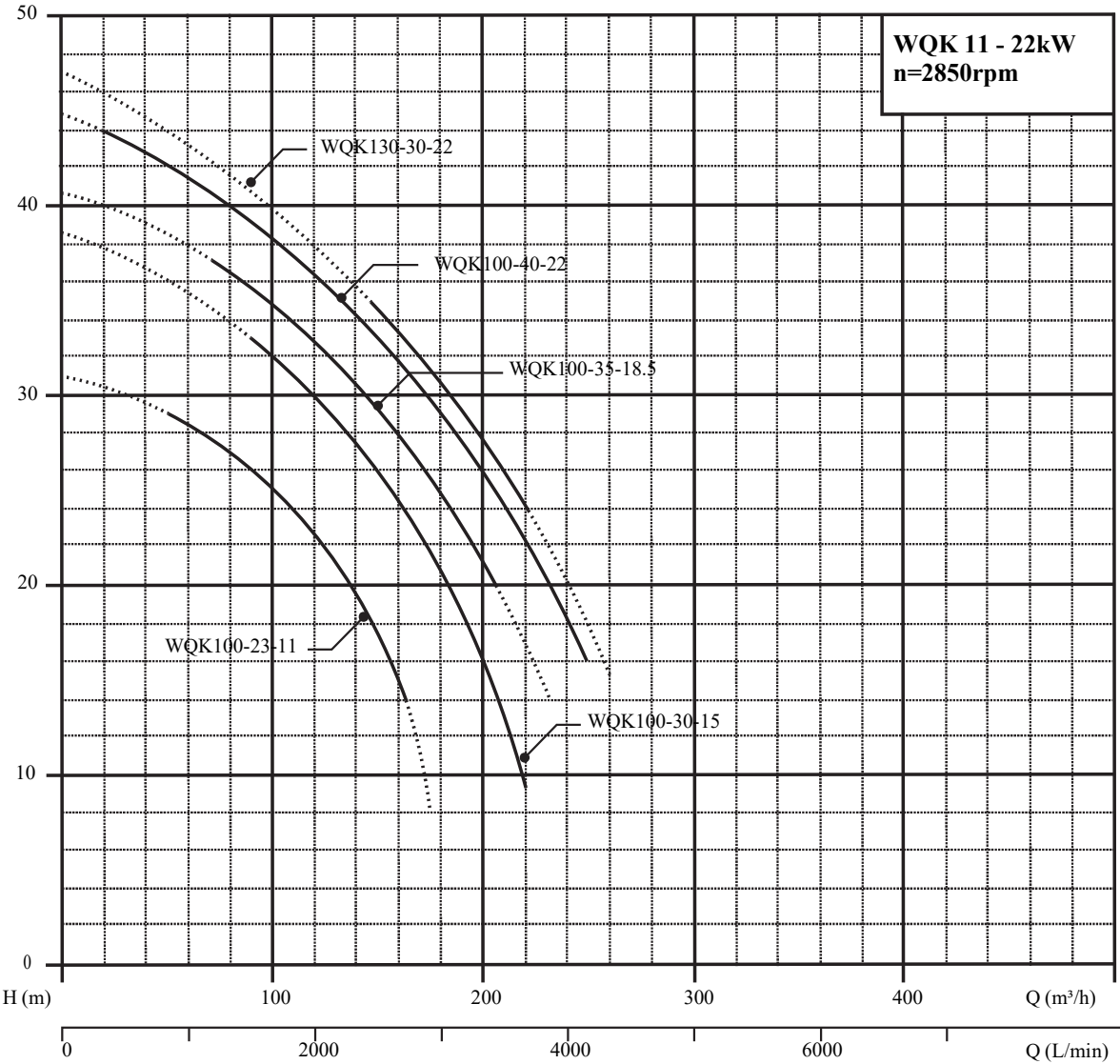
PERFORMANCE CURVE

TECHNICAL DATA

50 Hz n=2850 1/min

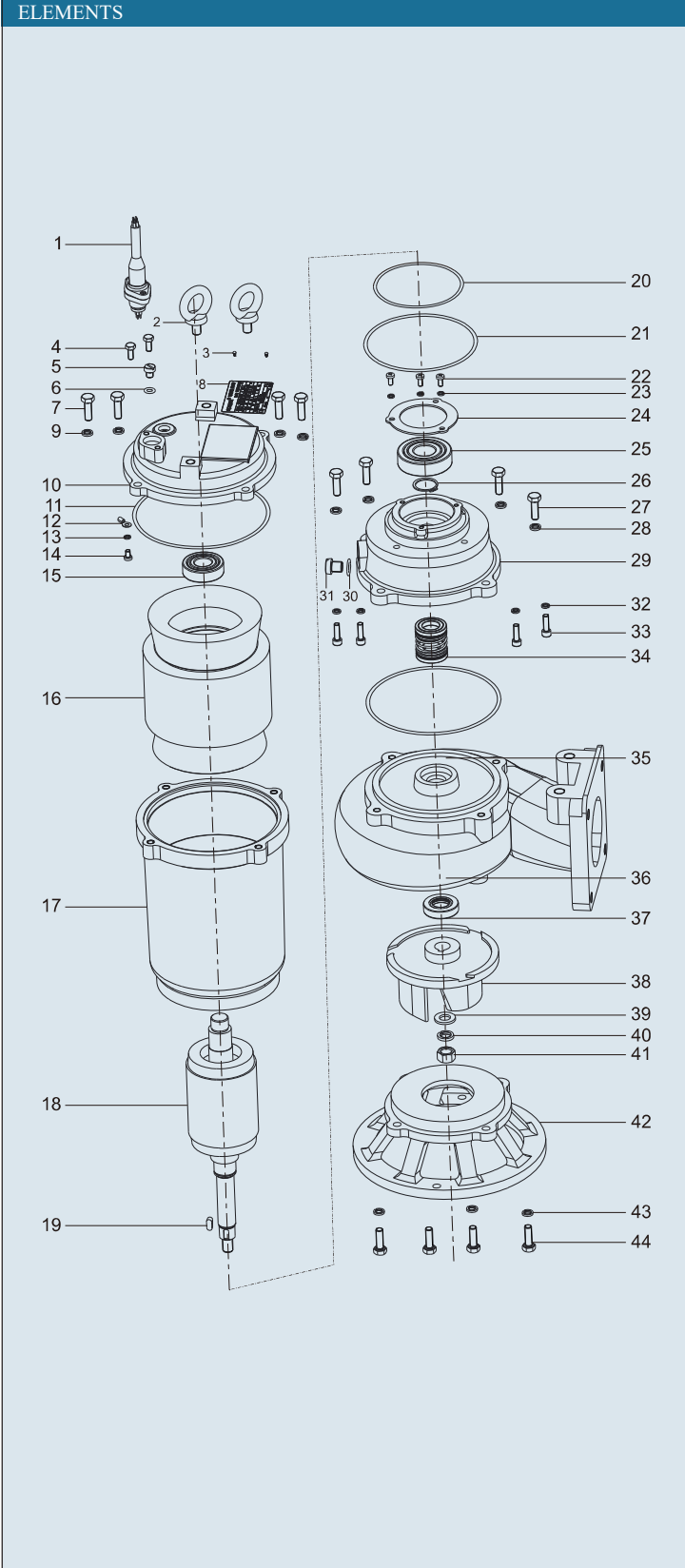
MODEL	Power		Current (A)	Max Flow (L/min)	Max Head (m)	Rate Flow (L/min)	Rate Head (m)	Solids Passage (mm)	Dia.mm (LxWxH)	DN (mm)	G.W (kg)
	kW	HP									
WQK100-23-11	11	15	23.8	2920	29	1670	23	35	600x560x1230	100	253
WQK100-30-15	15	20	31.7	3170	33	2000	30	35	600x560x1230	100	270
WQK100-35-18.5	18.5	25	38.7	3730	37	1830	34	35	690x600x1300	100	338
WQK100-40-22	22	30	44.9	4150	44	1330	40	35	690x630x1300	100	351
WQK130-30-22	22	30	44.9	5330	35	2830	32	45	690x630x1300	100	351

WQK



PERFORMANCE CURVE

WQK ELEMENTS DESCRIPTION

ELEMENTS	N	DESCRIPTION
	1	Cable adapter sleeve
	2	Lifting bolt
	3	Rivet for nameplate
	4	Hexagon bolt – full thread
	5	Slotted cheese-head screw
	6	O-ring
	7	Hexagon bolt – full thread
	8	Nameplate
	9	Spring washer
	10	Top cover
	11	O-ring
	12	Closed wiring terminal
	13	Spring washer
	14	Cross recessed small pan head screw
	15	Deep groove ball bearing
	16	Stator core with winding
	17	Enclosure
	18	Rotor
	19	Flat key
	20	O-ring
	21	O-ring
	22	Cross recessed small pan head screw
	23	Spring washer
	24	Bearing gland
	25	Deep groove ball bearing
	26	Circlip for shaft
	27	Hexagon bolt – full thread
	28	Spring washer
	29	Oil chamber
	30	O-ring
	31	Slotted cheese-head screw
	32	Spring washer
	33	Hexagon socket head cap screw
	34	Mechanical seal
	35	O-ring
	36	Pump casing
	37	Framework oil seal
	38	Impeller
	39	Flat washer
	40	Spring washer
	41	I-type hexagon nut
	42	Base
	43	Spring washer
	44	Hexagon bolt – full thread

