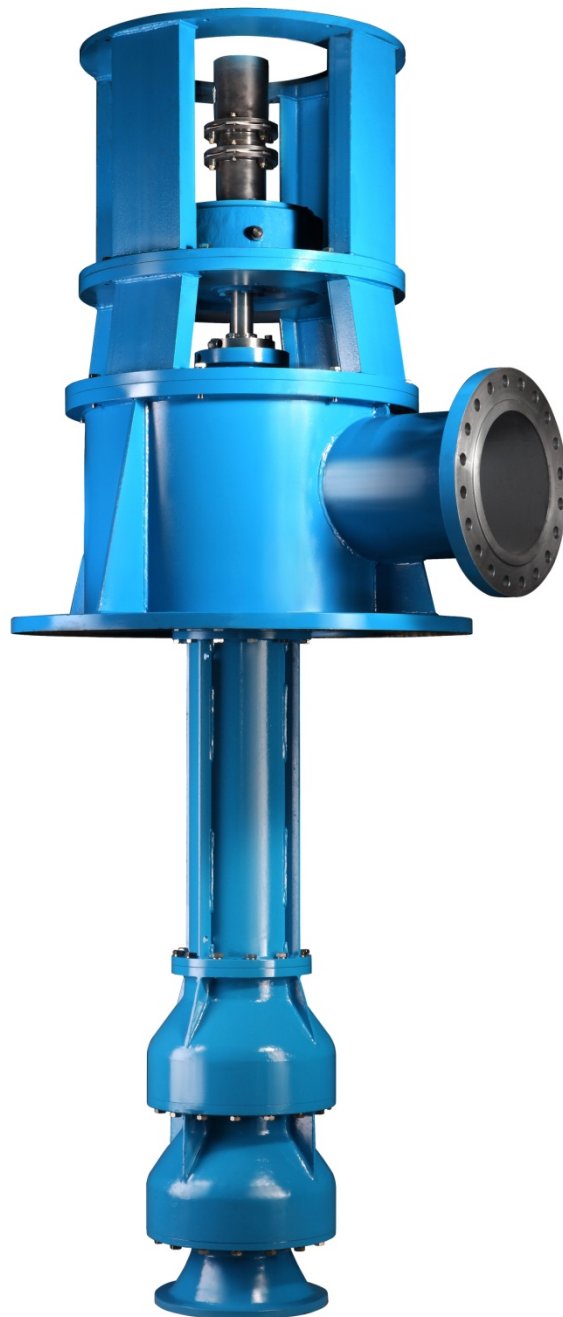


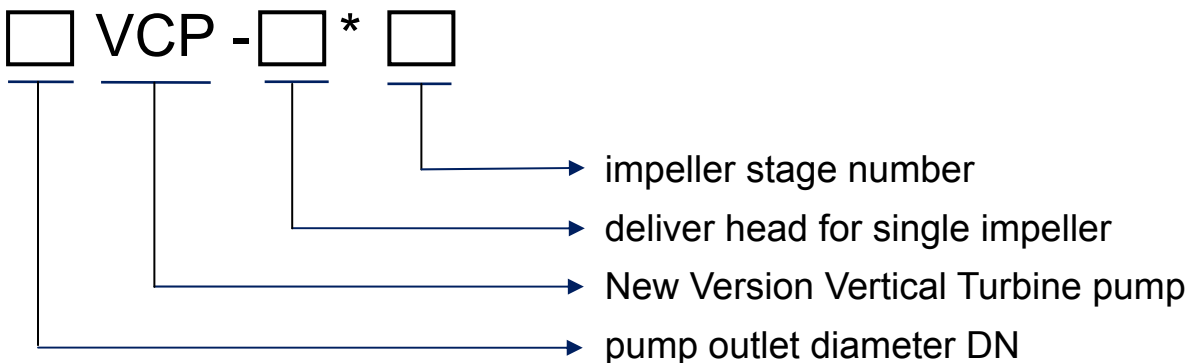
## VCP Series Vertical Turbine Pump



## GENERAL DESCRIPTION

VCP vertical pump is a newly developed product with both homeland and overseas advanced experience in design and manufacture. It is used to deliver clear water, sewage with certain solid water and seawater with corrosive. The temperature of liquid can't be above 80 °C. It is widely used in original water works, waste water factory, metallurgy and steel industry (especially suitable for delivering oxygenation iron sheet water in swirl pool, power station, mine, civil project and farmland etc).

## MODEL INSTRUCTION



EXAMPLE: 300VCP-45\*2

300: pump outlet dia DN300

VCP: New Version Vertical Turbine pump

45: Deliver head for single impeller

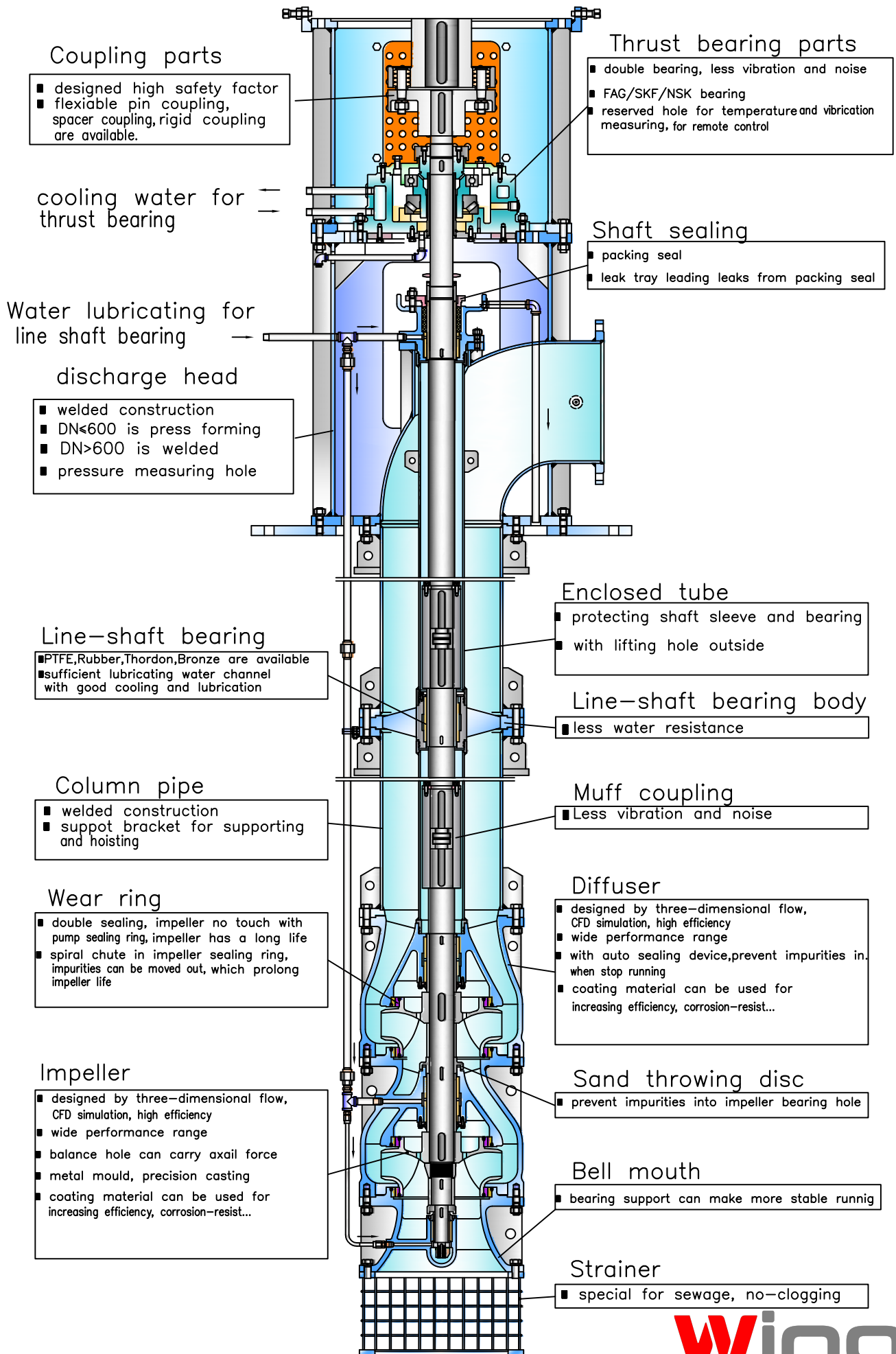
2: 2 stage impeller

## MATERIALS OF MAIN PARTS

Usage	Clear water	Sewage	Sea water	
	I	II	III	IV
Pump Parts				
Discharge head/ Column pipe/ Enclosing tube	Carbon steel	Carbon steel	Ni-resist Iron,SS302	SS316L
Diffuser/ Bell mouth	Cast Iron	Cast Iron, Ductile Iron, Cast Steel , SS420	Ni-resist Iron	SS316L
Impeller/Impeller wear ring	Cast Iron, Cast Steel	Ductile Iron, SS420,SS302	SS316L	SS316L
Shaft/shaft sleeve/muff coupling	Steel 45#, SS420	Steel 45#, SS420	SS302	SS316L
Line shaft bearing	PTFE/Thordon			

Remark: other materials can be by customer's request.

# Enclosed line shaft



# Open line shaft

## Coupling parts

- designed high safety factor
- flexible pin coupling, spacer coupling, rigid coupling are available.

cooling water for thrust bearing

## discharge head

- welded construction
- DN≤600 is press forming
- DN>600 is welded
- pressure measuring hole

## Thrust bearing parts

- double bearing, less vibration and noise
- FAG/SKF/NSK bearing
- reserved hole for temperature and vibration measuring, for remote control

## Shaft sealing

- packing seal
- leak tray leading leaks from packing seal

## Line-shaft bearing

- PTFE, Rubber, Thordon, Bronze are available
- sufficient lubricating water channel with good cooling and lubrication

## Line-shaft bearing body

- less water resistance

## Column pipe

- welded construction
- support bracket for supporting and hoisting

## Muff coupling

- Less vibration and noise

## Impeller

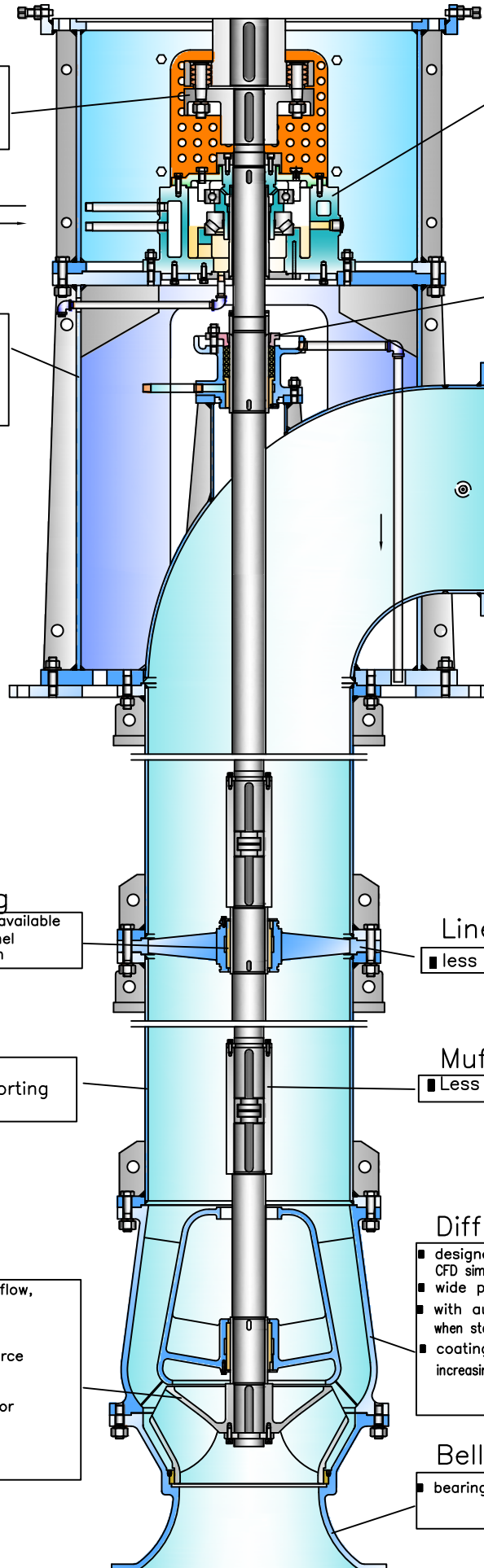
- designed by three-dimensional flow, CFD simulation, high efficiency
- wide performance range
- balance hole can carry axial force
- metal mould, precision casting
- coating material can be used for increasing efficiency, corrosion-resist...

## Diffuser

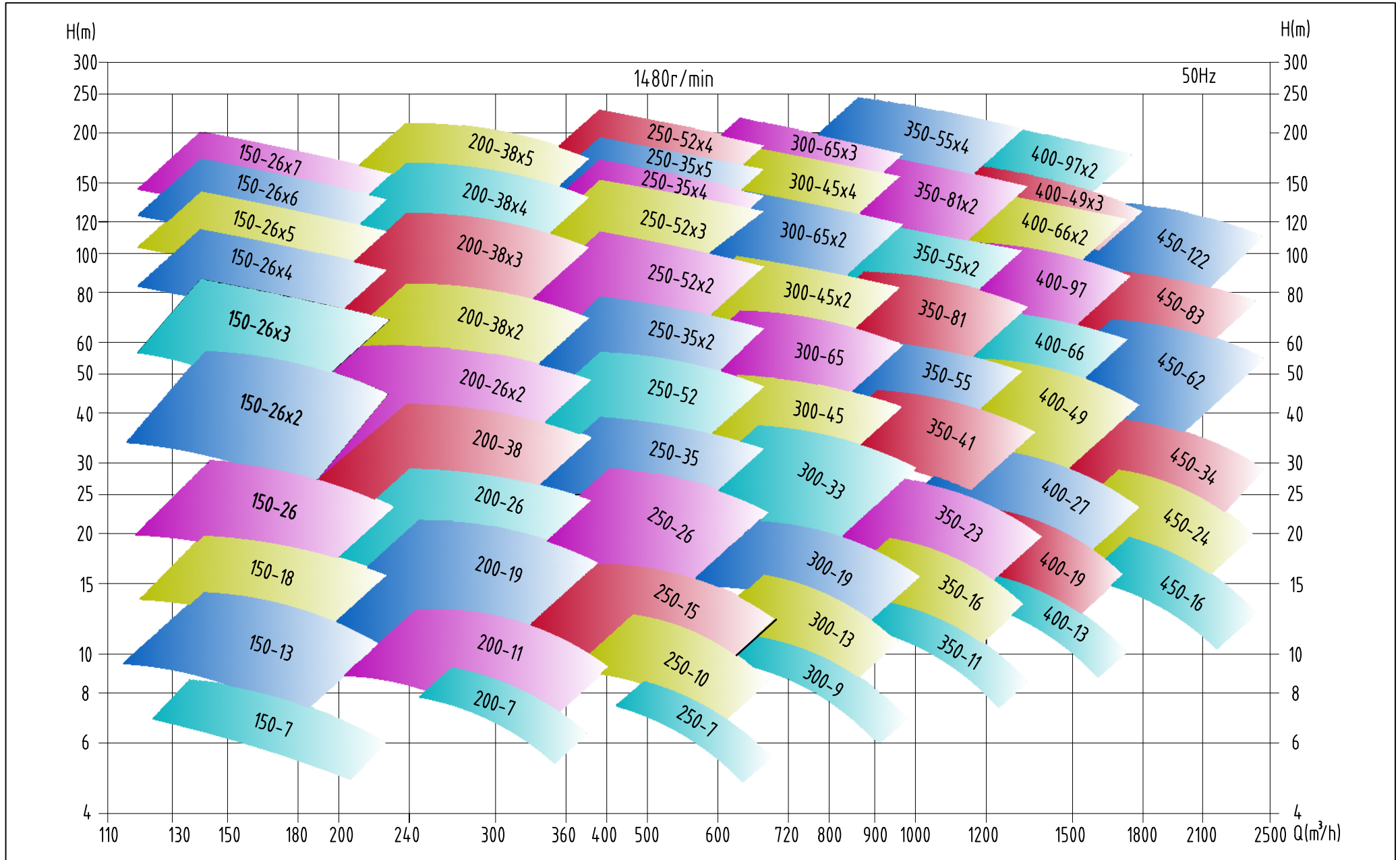
- designed by three-dimensional flow, CFD simulation, high efficiency
- wide performance range
- with auto sealing device, prevent impurities in, when stop running
- coating material can be used for increasing efficiency, corrosion-resist...

## Bell mouth

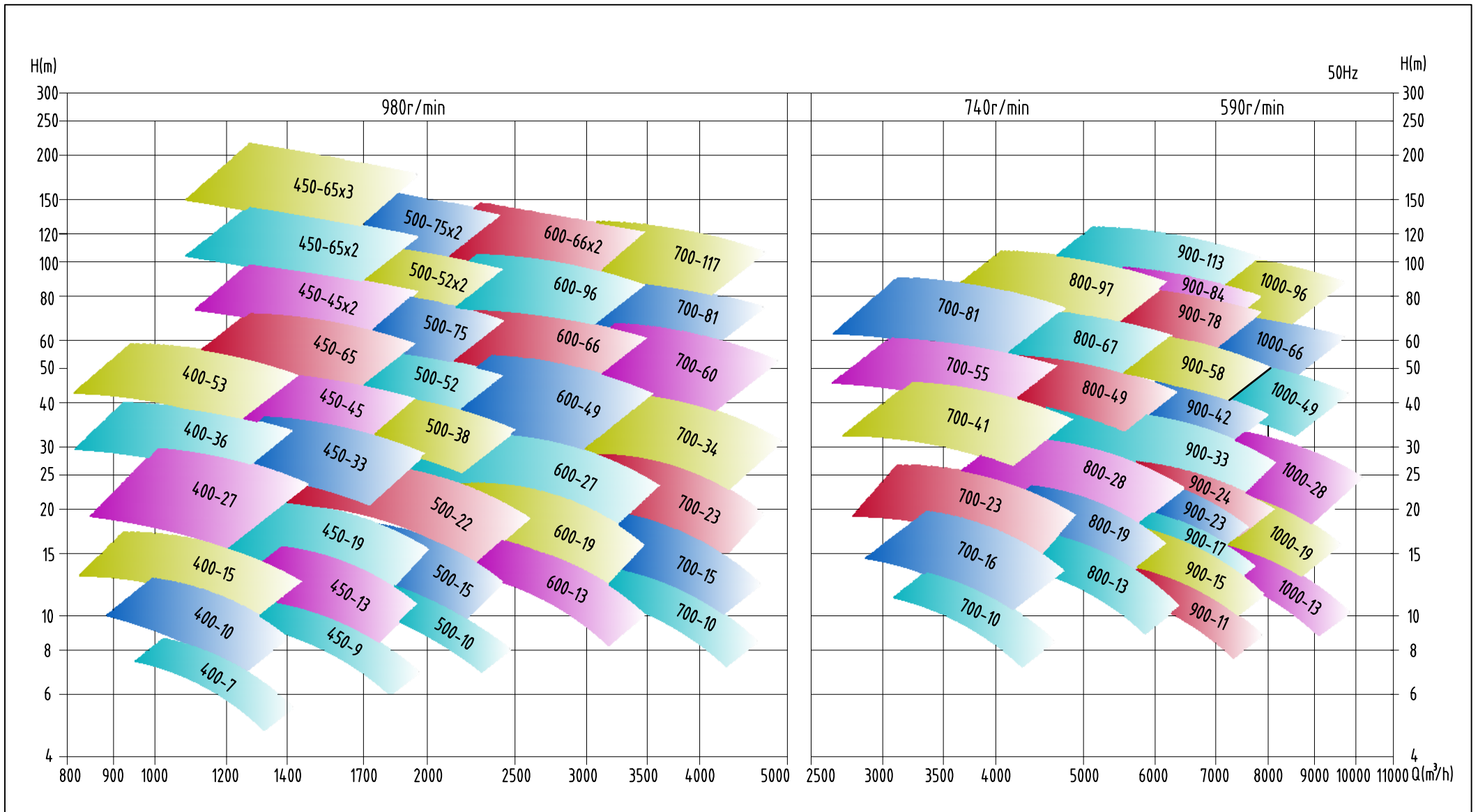
- bearing support can make more stable running



# VCP Curve in 50HZ



## VCP Curve in 50HZ



Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight
	m <sup>3</sup> /h	l/s				Power (kW)	Model		
150VCP-7	136	37.8	8.3	1480	4.4	7.5	Y132M-4	69.5	590+100N
	181	50.4	7.4	1480	4.7			77	
	215	59.8	6.0	1480	5.0			70	
150VCP-13	141	39.1	14.3	1480	7.7	15	Y160L-4	71.5	610+100N
	181	50.3	13.0	1480	8.3			77	
	213	59.2	11.2	1480	8.9			73.5	
150VCP-18	141	39.1	19.8	1480	10.5	18.5	Y180M-4	72	630+100N
	188	52.2	18.0	1480	12.0			76.5	
	216	60.1	16.4	1480	12.7			76	
150VCP-26	140	39.0	28.7	1480	15.4	30	Y200L-4	71	650+100N
	187	52.0	26.0	1480	17.5			76	
	215	59.8	23.4	1480	18.8			73	
150VCP-26×2	140	39.0	57.3	1480	30.9	45	Y225M-4	71	700+100N
	187	52.0	52.1	1480	34.9			76	
	215	59.8	46.9	1480	37.7			73	
150VCP-26×3	140	39.0	86.0	1480	46.3	75	Y280S-4	71	750+100N
	187	52.0	78.1	1480	52.4			76	
	215	59.8	70.3	1480	56.5			73	
150VCP-26×4	140	39.0	114.6	1480	61.7	90	Y280M-4	71	800+100N
	187	52.0	104.2	1480	69.9			76	
	215	59.8	93.8	1480	75.3			73	
150VCP-26×5	140	39.0	143.3	1480	77.1	110	Y315S-4	71	850+100N
	187	52.0	130.2	1480	87.3			76	
	215	59.8	117.2	1480	94.1			73	
150VCP-26×6	140	39.0	171.9	1480	92.6	132	Y315M-4	71	900+100N
	187	52.0	156.3	1480	104.8			76	
	215	59.8	140.7	1480	113.0			73	
150VCP-26×7	140	39.0	200.6	1480	108.0	160	Y315L-4	71	950+100N
	187	52.0	182.3	1480	122.3			76	
	215	59.8	164.1	1480	131.8			73	
200VCP-7	268	74.5	9.2	1480	9.7	15	Y160L-4	69.5	780+170N
	335	93.1	7.7	1480	9.1			77.5	
	380	105.6	6.3	1480	9.3			69.5	
200VCP-11	252	70.0	12.5	1480	12.2	18.5	Y180M-4	70.5	900+170N
	336	93.4	11.2	1480	13.1			78	
	399	110.9	9.1	1480	13.9			71	
200VCP-19	259	72.1	21.5	1480	21.0	30	Y200L-4	72.5	900+170N
	334	92.7	19.5	1480	22.7			78	
	393	109.1	16.9	1480	24.2			74.5	



Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
200VCP-26		252	69.9	29.1	1480	27.3	45	Y225M-4	73	1020+170N
		336	93.2	26.5	1480	31.2			77.5	
		386	107.2	24.2	1480	33.0			77	
200VCP-38		250	69.6	42.2	1480	40.0	75	Y280S-4	72	1020+170N
		334	92.8	38.3	1480	45.3			77	
		384	106.7	34.5	1480	48.8			74	
200VCP-26×2		252	69.9	58.2	1480	54.6	75	Y280S-4	73	1140+170N
		336	93.2	52.9	1480	62.5			77.5	
		386	107.2	48.4	1480	66.1			77	
200VCP-38×2		250	69.6	84.3	1480	79.9	110	Y315S-4	72	1140+170N
		334	92.8	76.7	1480	90.6			77	
		384	106.7	69.0	1480	97.6			74	
200VCP-38×3		250	69.6	126.5	1480	119.9	185	Y315L-4	72	1260+170N
		334	92.8	115.0	1480	135.9			77	
		384	106.7	103.5	1480	146.4			74	
200VCP-38×4		250	69.6	168.7	1480	159.9	220	Y355M-4	72	1380+170N
		334	92.8	153.3	1480	181.2			77	
		384	106.7	138.0	1480	195.2			74	
200VCP-38×5		250	69.6	210.8	1480	199.8	280	Y355L-4	72	1500+170N
		334	92.8	191.7	1480	226.5			77	
		384	106.7	172.5	1480	244.0			74	
250VCP-7		441	122.5	8.5	1480	14.2	18.5	Y180M-4	72	1200+250N
		531	147.6	7.1	1480	13.2			78	
		612	170.0	5.5	1480	12.3			74	
250VCP-10		428	118.8	12.6	1480	20.8	30	Y200L-4	70.5	1200+250N
		535	148.5	10.6	1480	19.6			78.5	
		606	168.3	8.5	1480	20.0			70.5	
250VCP-15		391	108.7	16.8	1480	25.1	37	Y225S-4	71.5	1200+250N
		522	144.9	15.0	1480	26.9			79	
		620	172.1	12.2	1480	28.5			72	
250VCP-26		403	111.9	28.9	1480	43.1	75	Y280S-4	73.5	1280+250N
		518	143.8	26.2	1480	46.7			79	
		610	169.4	22.6	1480	49.4			76	
250VCP-35		393	109.1	39.2	1480	56.7	90	Y280M-4	74	1400+250N
		524	145.6	35.6	1480	64.8			78.5	
		603	167.4	32.6	1480	68.6			78	
250VCP-52		393	109.2	56.9	1480	83.6	132	Y315M-4	73	1500+250N
		524	145.6	51.8	1480	94.8			78	
		603	167.5	46.6	1480	102.1			75	

Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
250VCP-35×2		393	109.1	78.3	1480	113.3	160	Y315L-4	74	1650+250N
		524	145.6	71.3	1480	129.7			78.5	
		603	167.4	65.2	1480	137.2			78	
250VCP-52×2		393	109.2	113.9	1480	167.1	250	Y355M-4	73	1850+250N
		524	145.6	103.5	1480	189.6			78	
		603	167.5	93.2	1480	204.2			75	
250VCP-35×4		393	109.1	156.6	1480	226.6	315	YL450-4	74	2150+250N
		524	145.6	142.6	1480	259.4			78.5	
		603	167.4	130.3	1480	274.4			78	
250VCP-52×3		393	109.2	170.8	1480	250.7	355	YL450-4	73	2200+250N
		524	145.6	155.3	1480	284.4			78	
		603	167.5	139.8	1480	306.2			75	
250VCP-35×5		393	109.1	195.8	1480	283.3	400	YL450-4	74	2400+250N
		524	145.6	178.2	1480	324.2			78.5	
		603	167.4	162.9	1480	343.0			78	
250VCP-52×4		393	109.2	227.8	1480	334.3	450	YL450-4	73	2550+250N
		524	145.6	207.1	1480	379.2			78	
		603	167.5	186.4	1480	408.3			75	
300VCP-9		625	173.6	10.8	1480	25.3	30	Y200L-4	72.5	1250+260N
		754	209.3	9.0	1480	23.3			79	
		868	241.0	6.9	1480	21.9			74.5	
300VCP-13		601	166.9	15.8	1480	36.1	45	Y225M-4	71.5	1250+260N
		751	208.6	13.2	1480	34.1			79.5	
		851	236.4	10.7	1480	34.8			71.5	
300VCP-19		570	158.2	21.6	1480	45.9	75	Y280S-4	73	1320+260N
		759	211.0	19.2	1480	49.7			80	
		902	250.5	15.6	1480	53.4			72	
300VCP-33		591	164.2	37.3	1480	80.4	110	Y315S-4	74.7	1400+270N
		760	211.1	33.8	1480	87.4			80	
		895	248.6	29.2	1480	92.4			77	
300VCP-45		559	155.4	49.6	1480	100.7	160	Y315L-4	75	1480+270N
		746	207.3	45.1	1480	115.4			79.5	
		858	238.4	41.2	1480	122.0			79	
300VCP-65		564	156.7	72.4	1480	150.5	220	Y355M-4	74	1650+270N
		752	208.9	65.9	1480	170.9			79	
		865	240.3	59.3	1480	183.9			76	
300VCP-45×2		559	155.4	99.1	1480	201.5	280	Y355L-4	75	1830+270N
		746	207.3	90.2	1480	230.8			79.5	
		858	238.4	82.5	1480	244.1			79	

Parameter Model	Flow Q		Head H m	Speed n r/min	Shaft Power Pa kW	Motor		Efficiency $\eta$ %	Pump Weight kg
	m <sup>3</sup> /h	l/s				Power (kW)	Model		
300VCP-65×2	564	156.7	144.9	1480	301.0	450	YL450-4	74	2100+270N
	752	208.9	131.7	1480	341.7			79	
	865	240.3	118.6	1480	367.8			76	
300VCP-45×4	559	155.4	198.3	1480	402.9	560	YL450-4	75	2530+300N
	746	207.3	180.4	1480	461.5			79.5	
	858	238.4	164.9	1480	488.2			79	
300VCP-65×3	564	156.7	217.3	1480	451.4	630	YL450-4	74	2550+350N
	752	208.9	197.6	1480	512.6			79	
	865	240.3	177.8	1480	551.7			76	
350VCP-11	855	237.4	13.3	1480	41.7	55	Y250M-4	74	1520+270N
	1030	286.2	11.1	1480	38.8			80	
	1186	329.5	8.5	1480	36.2			76	
350VCP-16	831	230.9	19.6	1480	60.7	75	Y280S-4	73	1520+270N
	1039	288.6	16.4	1480	57.8			80.5	
	1178	327.1	13.3	1480	58.5			73	
350VCP-23	773	214.6	26.5	1480	75.3	110	Y315S-4	74	1650+320N
	1030	286.2	23.6	1480	81.6			81	
	1223	339.8	19.2	1480	86.3			74	
350VCP-41	804	223.3	45.8	1480	132.0	185	Y315L-4	76	1760+320N
	1034	287.1	41.5	1480	144.2			81	
	1217	338.2	35.8	1480	152.3			78	
350VCP-55	767	213.2	61.2	1480	168.4	250	Y355M-4	76	1920+320N
	1024	284.4	55.7	1480	193.0			80.5	
	1177	327.0	50.9	1480	204.1			80	
350VCP-81	779	216.3	89.8	1480	254.0	355	YL450-4	75	1970+320N
	1038	288.3	81.6	1480	288.7			80	
	1194	331.7	73.5	1480	310.6			77	
350VCP-55×2	767	213.2	122.4	1480	336.7	500	YL450-4	76	2500+350N
	1024	284.4	111.4	1480	385.9			80.5	
	1177	327.0	101.8	1480	408.2			80	
350VCP-81×2	779	216.3	179.6	1480	508.1	710	YL500-4	75	3100+400N
	1038	288.3	163.3	1480	577.4			80	
	1194	331.7	147.0	1480	621.1			77	
350VCP-55×4	767	213.2	244.8	1480	673.4	900	YL500-4	76	3600+400N
	1024	284.4	222.7	1480	771.9			80.5	
	1177	327.0	203.6	1480	816.4			80	
400VCP-13	1104	306.7	15.7	1480	63.1	75	Y280S-4	75	2100+350N
	1331	369.7	13.1	1480	58.7			81	
	1532	425.6	10.1	1480	54.7			77	

Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
400VCP-19		1076	298.8	23.2	1480	92.1	110	Y315S-4	74	2150+380N
		1345	373.5	19.5	1480	87.8			81.5	
		1524	423.3	15.8	1480	88.7			74	
400VCP-27		992	275.6	31.3	1480	112.8	160	Y315L-4	75	2190+380N
		1323	367.5	27.8	1480	122.3			82	
		1571	436.4	22.6	1480	129.2			75	
400VCP-49		1052	292.3	54.8	1480	204.0	280	Y355L-4	77	2520+380N
		1353	375.8	49.6	1480	223.1			82	
		1593	442.6	42.9	1480	235.4			79	
400VCP-66		1007	279.7	73.3	1480	261.3	355	YL450-4	77	2680+400N
		1343	373.1	66.7	1480	299.7			81.5	
		1544	429.0	61.0	1480	317.0			81	
400VCP-97		1015	282.1	107.2	1480	390.3	560	YL450-4	76	3200+500N
		1354	376.1	97.5	1480	443.9			81	
		1558	432.7	87.7	1480	477.3			78	
400VCP-66×2		1007	279.7	146.7	1480	522.5	710	YL500-4	77	3350+400N
		1343	373.1	133.5	1480	599.4			81.5	
		1544	429.0	122.0	1480	633.9			81	
400VCP-49×3		1052	292.3	164.3	1480	611.9	800	YL500-4	77	3850+550N
		1353	375.8	148.9	1480	669.3			82	
		1593	442.6	128.6	1480	706.2			79	
400VCP-97×2		1015	282.1	214.4	1480	780.7	1120	YL500-4	76	3850+500N
		1354	376.1	194.9	1480	887.9			81	
		1558	432.7	175.4	1480	954.7			78	
400VCP-7		1022	283.9	8.6	980	31.8	37	Y250M-6	75.5	2300+350N
		1232	342.3	7.2	980	29.6			81.5	
		1419	394.0	5.5	980	27.6			77.5	
400VCP-10		994	276.2	12.7	980	46.3	55	Y280M-6	74.5	2300+350N
		1243	345.3	10.7	980	44.2			82.0	
		1409	391.3	8.7	980	44.6			74.5	
400VCP-15		923	256.4	17.2	980	56.9	90	Y315M-6	76.0	2300+380N
		1231	341.9	15.3	980	62.2			82.5	
		1461	406.0	12.5	980	65.3			76.0	
400VCP-27		976	271.0	30.1	980	103.0	160	Y355M-6	77.6	2400+380N
		1255	348.5	27.2	980	112.9			82.5	
		1478	410.4	23.5	980	119.1			79.5	
400VCP-36		925	257.0	40.0	980	129.3	185	Y355M-6	78.0	2480+380N
		1234	342.8	36.4	980	148.4			82.5	
		1419	394.2	33.3	980	156.9			82.0	

Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
400VCP-53		941	261.4	58.8	980	198.5	280	YL450-6	76.0	2720+380N
		1255	348.6	53.5	980	225.8			81.0	
		1444	401.0	48.1	980	242.8			78.0	
450VCP-16		1544	428.8	19.7	1480	109.6	132	Y315M-4	75.5	2155+450N
		1861	516.9	16.4	1480	102.0			81.5	
		2142	595.1	12.6	1480	95.0			77.5	
450VCP-24		1502	417.2	29.0	1480	159.5	185	Y315L-4	74.5	2200+450N
		1877	521.5	24.4	1480	152.2			82.0	
		2128	591.0	19.8	1480	153.7			74.5	
450VCP-34		1394	387.2	39.2	1480	196.1	280	Y355L-4	76.0	2450+450N
		1859	516.3	34.9	1480	214.3			82.5	
		2207	613.1	28.4	1480	224.8			76.0	
450VCP-62		1474	409.3	68.6	1480	354.8	500	YL450-4	77.6	3400+500N
		1895	526.3	62.1	1480	388.8			82.5	
		2231	619.9	53.6	1480	410.3			79.5	
450VCP-83		1397	388.1	91.2	1480	445.3	630	YL450-4	78.0	3800+600N
		1864	517.7	83.0	1480	511.1			82.5	
		2143	595.3	75.9	1480	540.5			82.0	
450VCP-122		1421	394.8	134.2	1480	683.8	900	YL500-4	76.0	4100+600N
		1895	526.4	122.0	1480	777.6			81.0	
		2180	605.7	109.8	1480	836.2			78.0	
450VCP-9		1412	392.3	10.7	980	54.2	75	Y315S-6	76.0	2340+450N
		1703	473.0	8.9	980	50.5			82.0	
		1960	544.5	6.9	980	47.0			78.0	
450VCP-13		1381	383.7	15.8	980	79.5	110	Y315L-6	75.0	2340+450N
		1727	479.7	13.3	980	75.9			82.5	
		1957	543.6	10.8	980	76.7			75.0	
450VCP-19		1266	351.7	21.2	980	95.8	132	Y315L-6	76.5	2540+450N
		1688	468.9	18.9	980	104.7			83.0	
		2005	556.9	15.4	980	109.8			76.5	
450VCP-33		1321	366.9	36.8	980	169.5	250	Y355L-6	78.1	2650+450N
		1698	471.7	33.3	980	185.9			83.0	
		2000	555.6	28.8	980	196.3			79.9	
450VCP-45		1272	353.4	49.5	980	219.9	315	YL450-6	78.0	2800+500N
		1697	471.4	45.0	980	252.4			82.5	
		1952	542.1	41.2	980	266.9			82.0	
450VCP-65		1274	353.8	72.0	980	322.3	450	YL450-6	77.5	3500+500N
		1698	471.7	65.4	980	369.2			82.0	
		1954	542.7	58.9	980	396.8			79.0	

Parameter Model	Flow Q		Head H m	Speed n r/min	Shaft Power Pa kW	Motor		Efficiency $\eta$ %	Pump Weight kg
	m <sup>3</sup> /h	l/s				Power (kW)	Model		
450VCP-45×2	1272	353.4	98.9	980	439.7	630	YL500-6	78.0	3500+500N
	1697	471.4	90.0	980	504.7			82.5	
	1952	542.1	82.3	980	533.8			82.0	
450VCP-65×2	1274	353.8	143.9	980	644.5	800	YL500-6	77.5	3800+600N
	1698	471.7	130.8	980	738.4			82.0	
	1954	542.7	117.8	980	793.6			79.0	
450VCP-65×3	1274	353.8	215.9	980	966.8	1400	YL630-6	77.5	4100+750N
	1698	471.7	196.3	980	1107.5			82.0	
	1954	542.7	176.6	980	1190.3			79.0	
500VCP-10	1781	494.6	12.5	980	79.2	90	Y315M-6	76.5	3200+900N
	2147	596.3	10.4	980	73.8			82.5	
	2471	686.5	8.0	980	68.7			78.5	
500VCP-15	1718	477.3	18.3	980	113.7	132	Y315L-6	75.5	3200+900N
	2148	596.7	15.4	980	108.6			83.0	
	2434	676.2	12.5	980	109.6			75.5	
500VCP-22	1605	445.7	24.9	980	141.3	185	Y355M-6	77.0	3400+900N
	2139	594.3	22.1	980	154.5			83.5	
	2540	705.7	18.0	980	161.9			77.0	
500VCP-38	1664	462.2	42.9	980	247.5	315	YL450-6	78.6	3550+900N
	2139	594.2	38.9	980	271.4			83.5	
	2520	699.9	33.6	980	286.7			80.4	
500VCP-52	1592	442.1	57.4	980	315.3	450	YL450-6	79.0	3800+900N
	2123	589.8	52.3	980	362.2			83.5	
	2442	678.2	47.8	980	383.0			83.0	
500VCP-75	1584	439.9	83.2	980	457.5	630	YL500-6	78.5	4350+1000N
	2111	586.5	75.7	980	524.5			83.0	
	2429	674.8	68.1	980	563.4			80.0	
500VCP-52×2	1592	442.1	114.9	980	630.7	900	YL500-6	79.0	4400+1000N
	2123	589.8	104.5	980	724.4			83.5	
	2442	678.2	95.6	980	766.0			83.0	
500VCP-75×2	1584	439.9	166.4	980	915.0	1250	YL560-6	78.5	5500+1000N
	2111	586.5	151.3	980	1048.9			83.0	
	2429	674.8	136.2	980	1126.8			80.0	
600VCP-13	2512	697.9	15.7	980	139.7	160	Y355M-6	77.0	3800+1060N
	3029	841.4	13.1	980	130.2			83.0	
	3487	968.6	10.1	980	121.2			79.0	
600VCP-19	2461	683.6	23.3	980	205.5	250	Y355L-6	76.0	3800+1060N
	3076	854.5	19.6	980	196.4			83.5	
	3487	968.5	15.8	980	198.1			76.0	

Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
600VCP-27		3000	833.3	30.5	980	304.0	400	YL450-6	82.0	4000+1060N
		3600	1000.0	27.0	980	315.4			84.0	
		3800	1055.6	25.0	980	305.0			85.0	
600VCP-49		2359	655.4	54.2	980	438.5	560	YL500-6	79.4	5340+1060N
		3033	842.6	49.1	980	482.8			84.0	
		3573	992.4	42.4	980	509.3			81.0	
600VCP-66		2293	637.1	73.3	980	576.0	800	YL500-6	79.5	5650+1060N
		3060	849.9	66.7	980	661.9			84.0	
		3518	977.3	61.0	980	704.1			83.0	
600VCP-96		2269	630.3	105.8	980	822.9	1120	YL560-6	79.5	6500+1200N
		3026	840.4	96.2	980	949.5			83.5	
		3481	966.9	86.5	980	1015.7			80.8	
600VCP-66×2		2293	637.1	146.6	980	1152.1	1600	YL630-6	79.5	7400+1200N
		3060	849.9	133.4	980	1323.7			84.0	
		3518	977.3	121.9	980	1408.2			83.0	
700VCP-15		3366	935.0	19.1	980	225.6	280	YL450-6	77.6	4900+1200N
		4058	1127.2	15.9	980	211.0			83.4	
		4672	1297.7	12.2	980	195.9			79.6	
700VCP-23		3321	922.5	28.4	980	334.2	400	YL450-6	77.0	5050+1200N
		4151	1153.2	23.9	980	321.8			84.0	
		4705	1306.9	19.4	980	322.2			77.0	
700VCP-34		3115	865.3	38.7	980	421.4	560	YL500-6	78.0	5800+1200N
		4154	1153.8	34.4	980	461.3			84.5	
		4932	1370.1	28.0	980	482.8			78.0	
700VCP-60		3226	896.0	66.7	980	733.0	1000	YL560-6	80.0	6300+1200N
		4147	1152.0	60.4	980	808.4			84.5	
		4885	1356.8	52.2	980	852.5			81.5	
700VCP-81		3068	852.4	89.0	980	929.9	1250	YL560-6	80.0	8200+1400N
		4094	1137.1	81.0	980	1068.9			84.5	
		4707	1307.6	74.0	980	1137.0			83.5	
700VCP-117		3081	855.9	129.7	980	1363.0	2000	YL630-6	79.9	11000+1600N
		4108	1141.2	117.9	980	1574.6			83.8	
		4727	1312.9	106.1	980	1683.0			81.2	
700VCP-10		3318	921.7	13.0	740	149.7	185	Y355L-8	78.5	4600+1200N
		4000	1111.1	10.8	740	141.0			83.8	
		4605	1279.2	8.3	740	130.0			80.5	
700VCP-16		3357	932.5	19.7	740	232.5	280	YL500-8	77.5	5150+1200N
		4196	1165.7	16.5	740	223.9			84.5	
		4756	1321.1	13.4	740	224.1			77.5	

Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
700VCP-23		3113	864.7	26.6	740	287.5	400	YL500-8	78.5	5350+1200N
		4151	1152.9	23.7	740	314.9			85.0	
		4929	1369.1	19.3	740	329.5			78.5	
700VCP-41		3233	898.1	45.9	740	502.8	710	YL560-8	80.5	6150+1200N
		4157	1154.7	41.6	740	554.7			85.0	
		4896	1360.0	35.9	740	584.9			82.0	
700VCP-55		3069	852.6	61.2	740	639.7	900	YL560-8	80.0	6500+1200N
		4095	1137.5	55.7	740	735.3			84.5	
		4709	1308.0	50.9	740	782.2			83.5	
700VCP-81		3114	865.0	89.8	740	949.3	1400	YL630-8	80.3	8400+1400N
		4152	1153.3	81.6	740	1097.9			84.1	
		4777	1326.9	73.5	740	1172.7			81.6	
800VCP-13		4538	1260.5	16.0	740	250.7	280	YL500-8	79.0	6120+1380N
		5471	1519.6	13.4	740	236.5			84.2	
		6298	1749.4	10.3	740	217.7			81.0	
800VCP-19		4379	1216.5	23.5	740	359.7	400	YL500-8	78.0	6120+1380N
		5474	1520.6	19.8	740	347.5			84.8	
		6204	1723.4	16.0	740	346.8			78.0	
800VCP-28		4103	1139.6	32.0	740	452.6	630	YL560-8	79.0	6340+1380N
		5470	1519.5	28.4	740	496.6			85.4	
		6496	1804.4	23.1	740	518.6			79.0	
800VCP-49		4188	1163.4	54.6	740	768.3	1000	YL560-8	81.1	6700+1400N
		5385	1495.8	49.5	740	848.9			85.5	
		6342	1761.7	42.7	740	891.6			82.8	
800VCP-67		4085	1134.8	74.0	740	1023.9	1400	YL630-8	80.5	9000+1400N
		5450	1513.9	67.4	740	1180.1			84.8	
		6267	1740.9	61.6	740	1252.2			84.0	
800VCP-97		4062	1128.2	107.2	740	1471.7	2000	YL2000-8	80.6	10000+1800N
		5415	1504.3	97.5	740	1703.8			84.4	
		6230	1730.7	87.7	740	1818.6			81.9	
900VCP-15		5734	1592.6	18.7	740	367.9	450	YL500-8	79.5	7020+1630N
		6912	1920.0	15.6	740	348.4			84.4	
		7957	2210.4	12.0	740	319.5			81.5	
900VCP-23		5545	1540.4	27.5	740	529.8	630	YL560-8	78.5	7120+1630N
		6932	1925.5	23.1	740	512.1			85.3	
		7856	2182.2	18.7	740	510.7			78.5	
900VCP-33		5187	1440.8	37.4	740	665.7	900	YL560-8	79.4	7410+1630N
		6916	1921.1	33.3	740	730.7			85.8	
		8213	2281.3	27.1	740	762.8			79.4	



Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight	
	Model	m <sup>3</sup> /h				l/s	m			r/min
900VCP-58		5315	1476.3	64.0	740	1137.1	1600	YL1600-8	81.5	11500+1800N
		6833	1898.1	58.0	740	1256.8			85.9	
		8048	2235.6	50.1	740	1319.8			83.2	
900VCP-78		5166	1434.9	86.6	740	1508.2	2240	YL2240-8	80.8	13000+2000N
		6891	1914.2	78.8	740	1738.5			85.1	
		7924	2201.2	72.0	740	1844.8			84.3	
900VCP-113		5124	1423.2	125.2	740	2159.6	3150	YL3150-8	80.9	19000+2300N
		6832	1897.6	113.8	740	2502.3			84.7	
		7860	2183.2	102.4	740	2669.4			82.2	
900VCP-11		5679	1577.5	13.8	590	266.0	315	YL500-10	80.0	6450+1630N
		6846	1901.7	11.5	590	252.0			84.9	
		7882	2189.4	8.8	590	231.1			82.0	
900VCP-17		5503	1528.6	20.2	590	384.2	450	YL560-10	79.0	6450+1630N
		6879	1910.8	17.0	590	372.0			85.7	
		7796	2165.5	13.8	590	370.4			79.0	
900VCP-24		5170	1436.0	27.6	590	486.4	630	YL560-10	79.9	7120+1630N
		6893	1914.7	24.5	590	534.7			86.2	
		8185	2273.7	20.0	590	557.3			79.9	
900VCP-42		5284	1467.7	47.1	590	827.5	1120	YL630-10	82.0	7820+1630N
		6793	1887.1	42.7	590	914.8			86.4	
		8001	2222.5	36.9	590	960.5			83.7	
900VCP-58		5120	1422.1	63.6	590	1094.5	1600	YL1600-10	81.1	11500+1800N
		6830	1897.2	57.9	590	1261.8			85.4	
		7854	2181.6	52.9	590	1338.9			84.6	
900VCP-84		5124	1423.2	92.5	590	1590.9	2240	YL2240-10	81.2	13000+2000N
		6831	1897.6	84.1	590	1844.9			84.9	
		7860	2183.2	75.7	590	1967.1			82.4	
1000VCP-13		7105	1973.5	16.0	590	384.5	450	YL560-10	80.4	8250+1950N
		8565	2379.2	13.3	590	363.9			85.4	
		9860	2739.0	10.2	590	334.0			82.4	
1000VCP-19		6796	1887.7	23.3	590	543.4	630	YL560-10	79.4	8250+1950N
		8495	2359.6	19.6	590	526.3			86.1	
		9627	2674.2	15.9	590	523.9			79.4	
1000VCP-28		6431	1786.3	31.9	590	696.3	900	YL560-10	80.3	8510+1950N
		8574	2381.8	28.4	590	765.8			86.6	
		10182	2828.4	23.1	590	797.9			80.3	
1000VCP-49		6490	1802.7	54.0	590	1158.5	1600	YL1600-10	82.5	9000+1950N
		8344	2317.7	49.0	590	1282.7			86.8	
		9827	2729.7	42.3	590	1345.0			84.2	

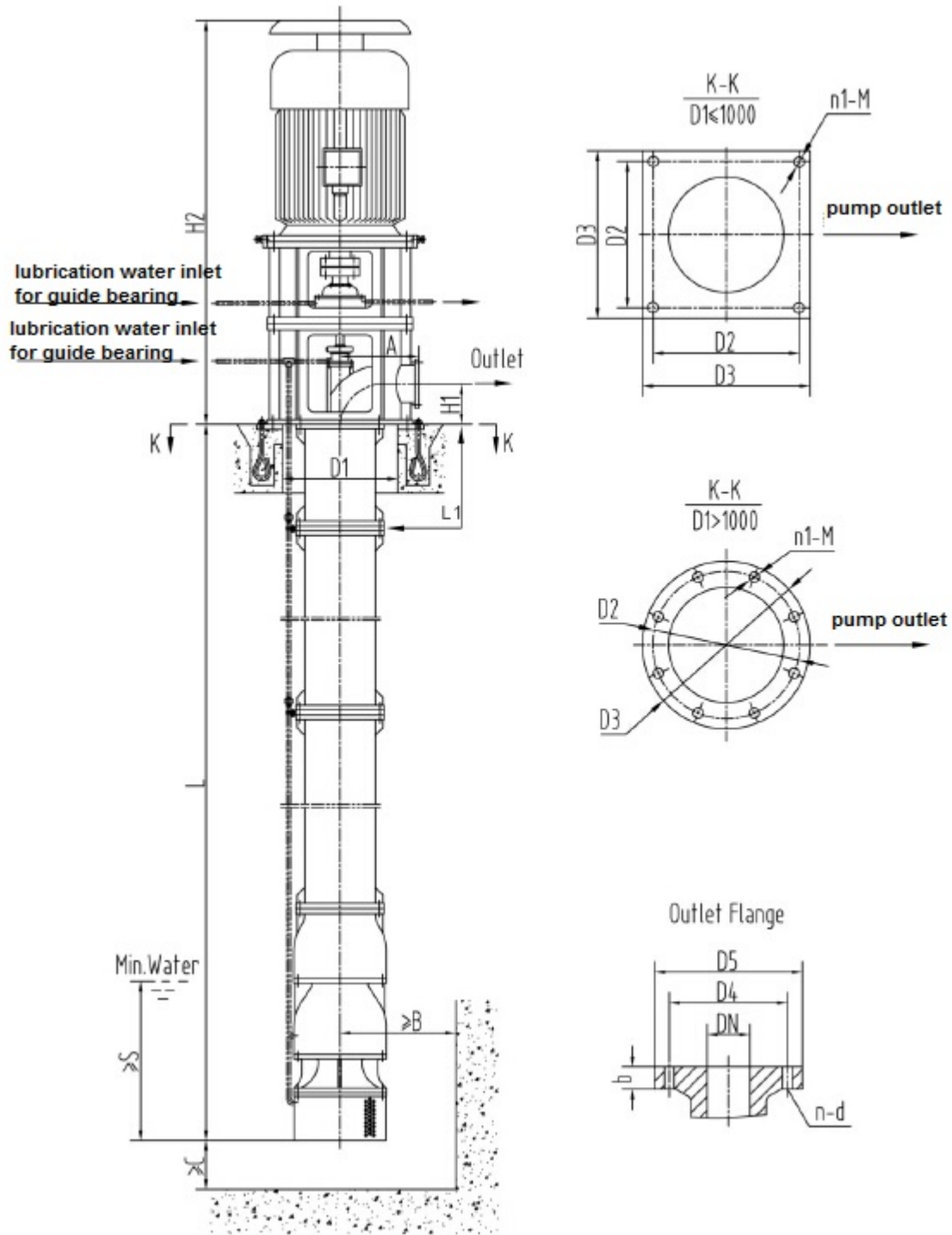
Parameter	Flow Q		Head H	Speed n	Shaft Power Pa	Motor		Efficiency $\eta$	Pump Weight
Model	m <sup>3</sup> /h	l/s	m	r/min	kW	Power (kW)	Model	%	kg
1000VCP-66	6344	1762.1	73.4	590	1556.8	2240	YL2240-10	81.5	13500+1950N
	8463	2350.8	66.8	590	1797.4			85.7	
	9732	2703.2	61.1	590	1907.1			84.9	
1000VCP-96	6325	1756.9	106.5	590	2252.7	3150	YL3150-10	81.5	15600+2500N
	8433	2342.5	96.8	590	2614.2			85.1	
	9702	2695.0	87.1	590	2786.0			82.7	

## Notes,

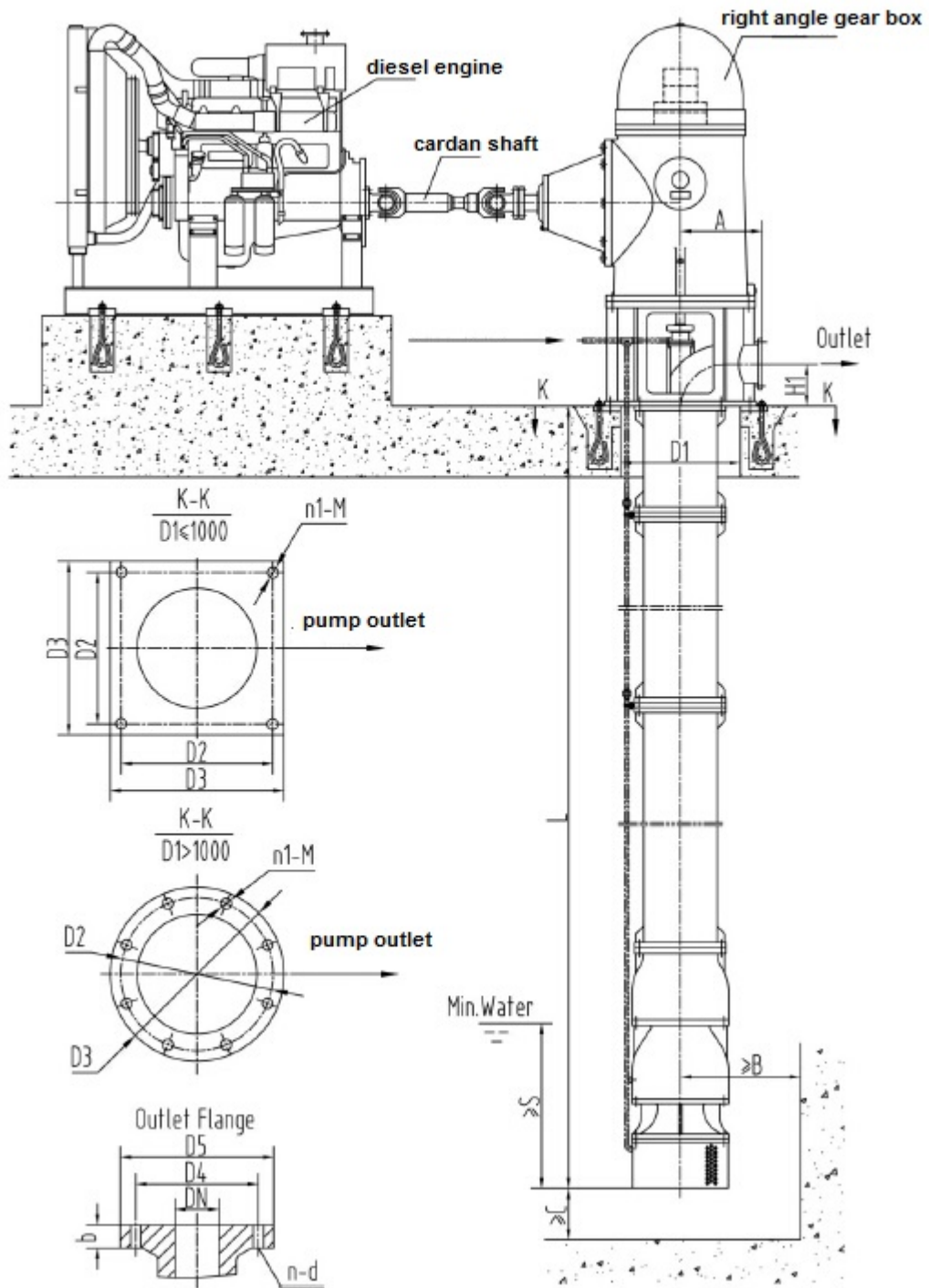
Pump performance refer to “Performance Data” charts. The data is test performance in a atmosphere & normal temperature & clear water, not including loss of water column and filter. Calculating installation head, the head loss of water column and filter to be calculated by 1.5m loss per 10m length.

1. Motor is selected by gravity  $\leq 110\text{Kg/cm}^3$ , the motor of YLS is for 6KV. The motor of 10KV can also be equipped if necessary.
2. The pump type, performance data, material, submerged depth must be staged in order.
3. It must be stated when the temperature of medium is over  $55^{\circ}\text{C}$ .

## INSTALLATION DRAWING 1



## INSTALLATION DRAWING 2



## INSTALLATION OVERALL SIZE

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
150VCP-7	350	300	200	261	265	600	210	1365	500	800	900	4-M24×500	150	225	265	20	8-Φ18	0.6
150VCP-13	350	300	200	261	316	600	210	1500	500	800	900	4-M24×500	150	225	265	20	8-Φ18	0.6
150VCP-18	350	300	200	261	360	600	210	1580	500	800	900	4-M24×500	150	225	265	20	8-Φ18	0.6
150VCP-26	350	300	200	261	420	600	210	1700	500	800	900	4-M24×500	150	225	265	20	8-Φ18	0.6
150VCP-26×2	400	300	200	261	420	650	210	1785	500	800	900	4-M24×500	150	240	285	24	8-Φ22	1.6
150VCP-26×3	400	300	200	261	420	800	210	2020	500	800	900	4-M24×500	150	240	285	24	8-Φ22	1.6
150VCP-26×4	400	300	200	261	420	1000	210	2070	500	800	900	4-M24×500	150	240	285	24	8-Φ22	1.6
150VCP-26×5	400	300	200	261	420	1200	210	2290	500	800	900	4-M24×500	150	250	300	30	8-Φ26	2.5
150VCP-26×6	400	300	200	261	420	1400	210	2440	500	800	900	4-M24×500	150	250	300	30	8-Φ26	2.5
150VCP-26×7	400	300	200	261	420	1600	210	2440	500	800	900	4-M24×500	150	250	300	30	8-Φ26	2.5
200VCP-7	350	350	200	327	311	650	225	1575	500	800	900	8-M24×500	200	280	320	22	8-Φ18	0.6
200VCP-11	350	350	200	327	316	650	225	1655	500	800	900	8-M24×500	200	280	320	22	8-Φ18	0.6
200VCP-19	350	350	200	327	378	650	225	1775	500	800	900	8-M24×500	200	280	320	22	8-Φ18	0.6
200VCP-26	400	350	200	327	435	650	225	1860	600	900	1000	8-M24×500	200	295	340	24	8-Φ22	1
200VCP-38	400	350	200	327	510	650	225	2095	600	900	1000	8-M24×500	200	295	340	24	8-Φ22	1
200VCP-26×2	400	350	200	327	435	700	225	2095	600	900	1000	8-M24×500	200	295	340	24	8-Φ22	1
200VCP-38×2	500	350	200	327	510	700	225	2365	600	900	1000	8-M24×500	200	310	360	32	12-Φ26	2.5
200VCP-38×3	500	350	200	327	510	900	225	2465	600	900	1000	8-M24×500	200	310	360	32	12-Φ26	2.5
200VCP-38×4	500	350	200	327	510	1150	225	3540	600	900	1000	8-M24×500	200	310	360	32	12-Φ26	2.5

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
200VCP-38×5	550	350	200	327	510	1400	225	3540	600	1000	1100	8-M24×500	200	310	360	32	12-Φ26	2.5
250VCP-7	400	400	250	391	360	700	275	1730	500	800	900	8-M24×500	250	335	375	24	12-Φ18	0.6
250VCP-10	400	400	250	391	357	700	275	1850	500	800	900	8-M24×500	250	335	375	24	12-Φ18	0.6
250VCP-15	400	400	250	391	360	700	275	1910	500	800	900	8-M24×500	250	335	375	24	12-Φ18	0.6
250VCP-26	400	400	250	391	432	700	275	2170	600	900	1000	8-M24×500	250	335	375	24	12-Φ18	0.6
250VCP-35	400	400	250	391	510	700	275	2220	600	900	1000	8-M24×500	250	335	375	24	12-Φ18	0.6
250VCP-52	400	400	250	391	590	700	275	2590	700	1000	1100	8-M24×500	250	350	395	26	12-Φ22	1
250VCP-35×2	400	400	250	391	510	800	275	2590	650	950	1050	8-M24×500	250	350	395	26	12-Φ22	1
250VCP-52×2	450	400	250	391	590	800	275	3645	700	1000	1100	8-M24×500	250	355	405	29	12-Φ26	1.6
250VCP-35×4	550	400	250	391	510	1300	275	3645	700	1000	1100	8-M24×500	250	370	425	35	12-Φ30	2.5
250VCP-52×3	550	400	250	391	590	1000	275	3645	700	1000	1100	8-M24×500	250	370	425	35	12-Φ30	2.5
250VCP-35×5	550	400	250	391	510	1600	275	3645	700	1100	1200	8-M24×500	250	370	425	35	12-Φ30	2.5
250VCP-52×4	550	400	250	391	590	1300	275	3645	700	1100	1200	8-M24×500	250	370	425	35	12-Φ30	2.5
300VCP-9	400	400	250	477	405	800	325	1975	600	900	1000	8-M24×500	300	395	440	24	12-Φ22	0.6
300VCP-13	400	400	250	477	395	800	325	2060	600	900	1000	8-M24×500	300	395	440	24	12-Φ22	0.6
300VCP-19	400	400	250	477	403	800	325	2295	600	900	1000	8-M24×500	300	395	440	24	12-Φ22	0.6
300VCP-33	400	400	250	477	485	800	325	2565	600	900	1000	8-M24×500	300	395	440	24	12-Φ22	0.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
300VCP-45	400	400	250	477	560	800	325	2665	700	100 0	1100	8-M24×500	300	395	440	24	12-Φ22	0.6
300VCP-65	450	400	250	477	660	800	325	3690	800	110 0	1200	8-M24×500	300	400	445	26	12-Φ22	1
300VCP-45×2	550	400	250	477	560	900	325	3725	800	110 0	1200	8-M24×500	300	410	460	32	12-Φ26	1.6
300VCP-65×2	550	400	250	477	660	900	325	3725	800	110 0	1200	8-M24×500	300	410	460	32	12-Φ26	1.6
300VCP-45×4	550	400	250	477	560	1600	325	3775	800	110 0	1200	8-M24×500	300	430	485	38	16-Φ30	2.5
300VCP-65×3	600	400	250	477	660	1200	325	3775	800	120 0	1300	8-M24×500	300	430	485	38	16-Φ30	2.5
350VCP-11	400	450	300	542	450	900	375	2235	650	950	1050	12-M24×50 0	350	445	490	26	12-Φ22	0.6
350VCP-16	400	450	300	542	435	900	375	2320	650	950	1050	12-M24×50 0	350	445	490	26	12-Φ22	0.6
350VCP-23	400	450	300	542	441	900	375	2640	650	950	1050	12-M24×50 0	350	445	490	26	12-Φ22	0.6
350VCP-41	400	450	300	542	533	900	375	2740	650	950	1050	12-M24×50 0	350	445	490	26	12-Φ22	0.6
350VCP-55	450	450	300	542	618	900	375	3845	800	110 0	1200	12-M24×50 0	350	460	505	30	16-Φ22	1
350VCP-81	550	450	300	542	734	900	375	3845	900	120 0	1300	12-M24×50 0	350	470	520	35	16-Φ26	1.6
350VCP-55×2	550	450	300	542	618	1000	375	3845	800	110 0	1200	12-M24×50 0	350	470	520	35	16-Φ26	1.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
350VCP-81×2	600	450	300	542	734	1000	375	4185	900	120 0	1300	12-M24×50 0	350	490	555	42	16-Φ33	2.5
350VCP-55×4	600	450	300	542	618	1700	375	4185	800	120 0	1300	12-M24×50 0	350	490	555	42	16-Φ33	2.5
400VCP-13	450	500	300	606	485	1050	425	2450	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-19	450	500	300	606	471	1050	425	2720	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-27	450	500	300	606	476	1050	425	2870	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-49	450	500	300	606	580	1050	425	3775	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-66	550	500	300	606	675	1050	425	3925	800	110 0	1200	12-M30×60 0	400	525	580	38	16-Φ30	1.6
400VCP-97	550	500	300	606	790	1050	425	3925	900	120 0	1300	12-M30×60 0	400	525	580	38	16-Φ30	1.6
400VCP-66×2	600	500	300	606	675	1100	425	4215	800	120 0	1300	12-M30×60 0	400	525	580	38	16-Φ30	1.6
400VCP-49×3	600	500	300	606	580	1500	425	4215	800	120 0	1300	12-M30×60 0	400	525	580	38	16-Φ30	1.6
400VCP-97×2	650	500	300	606	790	1100	425	4335	900	130 0	1400	12-M30×60 0	400	550	620	48	16-Φ36	2.5
400VCP-7	450	500	300	606	545	1050	425	2365	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-10	450	500	300	606	521	1050	425	2500	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6



Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
400VCP-15	450	500	300	606	528	1050	425	2820	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-27	450	500	300	606	643	1050	425	2975	700	100 0	1100	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-36	450	500	300	606	750	1050	425	3055	800	110 0	1200	12-M30×60 0	400	495	540	28	16-Φ22	0.6
400VCP-53	600	500	300	606	870	1050	425	3925	100 0	130 0	1400	12-M30×60 0	400	515	565	32	16-Φ26	1
450VCP-16	500	500	350	671	545	1200	475	2890	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-24	500	500	350	671	521	1200	475	2890	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-34	550	500	350	671	528	1200	475	3995	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-62	550	500	350	671	643	1200	475	3995	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-83	600	500	350	671	750	1200	475	4045	900	120 0	1300	12-M30×60 0	450	565	615	36	20-Φ26	1
450VCP-122	650	500	350	671	870	1200	475	4285	100 0	130 0	1400	12-M30×60 0	450	585	640	42	20-Φ30	1.6
450VCP-9	500	550	350	671	600	1200	475	2790	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-13	500	550	350	671	580	1200	475	2890	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-19	500	550	350	671	580	1200	475	2890	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
450VCP-33	550	550	350	671	706	1200	475	3995	800	110 0	1200	12-M30×60 0	450	550	595	30	16-Φ22	0.6
450VCP-45	650	550	350	671	835	1200	475	3995	100 0	130 0	1400	12-M30×60 0	450	565	615	36	20-Φ26	1
450VCP-65	650	550	350	671	960	1200	475	3995	110 0	140 0	1500	12-M30×60 0	450	585	640	42	20-Φ30	1.6
450VCP-45×2	650	550	350	671	835	1400	475	4285	100 0	130 0	1400	12-M30×60 0	450	585	640	42	20-Φ30	1.6
450VCP-65×2	700	550	350	671	960	1400	475	4305	110 0	140 0	1500	12-M30×60 0	450	585	640	42	20-Φ30	1.6
450VCP-65×3	750	550	350	671	960	1800	475	3681	110 0	150 0	1600	12-M30×60 0	450	600	670	54	20-Φ36	2.5
500VCP-10	520	600	350	756	645	1350	530	3010	900	120 0	1300	12-M30×60 0	500	600	645	30	20-Φ22	0.6
500VCP-15	520	600	350	756	618	1350	530	3010	900	120 0	1300	12-M30×60 0	500	600	645	30	20-Φ22	0.6
500VCP-22	600	600	350	756	627	1350	530	3245	900	120 0	1300	12-M30×60 0	500	600	645	30	20-Φ22	0.6
500VCP-38	600	600	350	756	760	1350	530	4115	900	120 0	1300	12-M30×60 0	500	600	645	30	20-Φ22	0.6
500VCP-52	700	600	350	756	900	1350	530	4115	100 0	140 0	1500	12-M30×60 0	500	620	670	38	20-Φ26	1
500VCP-75	700	600	350	756	102 5	1350	530	4355	120 0	150 0	1600	12-M30×60 0	500	620	670	38	20-Φ26	1
500VCP-52×2	750	600	350	756	900	1500	530	4475	100 0	150 0	1600	12-M30×60 0	500	650	715	46	20-Φ33	1.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
500VCP-75×2	750	600	350	756	105 0	1500	530	4836	120 0	150 0	1600	12-M30×60 0	500	650	715	46	20-Φ33	1.6
600VCP-13	630	650	350	885	723	1500	630	3275	100 0	130 0	1400	12-M30×60 0	600	705	755	32	20-Φ26	0.6
600VCP-19	630	650	350	885	691	1500	630	4195	100 0	130 0	1400	12-M30×60 0	600	705	755	32	20-Φ26	0.6
600VCP-27	700	650	350	885	700	1500	630	4195	100 0	130 0	1400	12-M30×60 0	600	705	755	32	20-Φ26	0.6
600VCP-49	750	650	350	885	850	1500	630	4435	100 0	150 0	1600	12-M30×60 0	600	725	780	42	20-Φ30	1
600VCP-66	750	650	350	885	100 0	1500	630	4535	110 0	150 0	1600	12-M30×60 0	600	725	780	42	20-Φ30	1
600VCP-96	800	650	350	885	115 0	1500	630	4916	130 0	170 0	1800	12-M30×60 0	600	770	840	55	20-Φ36	1.6
600VCP-66×2	800	650	350	885	100 0	1700	630	4981	120 0	160 0	1700	12-M30×60 0	600	770	840	55	20-Φ36	1.6
700VCP-15	730	750	360	103 4	800	1700	730	4365	120 0	150 0	1600	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-23	730	750	360	103 4	760	1700	730	4365	120 0	150 0	1600	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-34	800	750	360	103 4	772	1700	730	4605	120 0	160 0	1700	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-60	800	750	360	103 4	940	1700	730	5096	120 0	160 0	1700	16-M30×60 0	700	840	895	50	24-Φ30	1
700VCP-81	800	750	360	103 4	111 0	1700	730	5096	120 0	160 0	1700	16-M30×60 0	700	840	895	50	24-Φ30	1

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
700VCP-117	850	750	360	103 4	127 0	1700	730	5161	140 0	170 0	1800	16-M30×60 0	700	840	910	63	24-Φ36	1.6
700VCP-10	730	750	360	103 4	870	1700	730	4365	120 0	150 0	1600	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-16	730	750	360	103 4	835	1700	730	4605	120 0	150 0	1600	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-23	800	750	360	103 4	845	1700	730	4845	120 0	150 0	1600	16-M30×60 0	700	810	860	40	24-Φ26	0.6
700VCP-41	800	750	360	103 4	102 7	1700	730	5096	120 0	160 0	1700	16-M30×60 0	700	840	895	50	24-Φ30	1
700VCP-55	800	750	360	103 4	122 0	1700	730	5096	140 0	160 0	1700	16-M30×60 0	700	840	895	50	24-Φ30	1
700VCP-81	850	750	360	103 4	139 0	1700	730	5161	150 0	180 0	1900	16-M30×60 0	700	840	895	50	24-Φ30	1
800VCP-13	830	850	420	121 3	965	1900	840	4765	140 0	170 0	1800	16-M30×60 0	800	920	975	44	24-Φ30	0.6
800VCP-19	830	850	420	121 3	910	1900	840	4765	140 0	170 0	1800	16-M30×60 0	800	920	975	44	24-Φ30	0.6
800VCP-28	830	850	420	121 3	920	1900	840	5256	140 0	170 0	1800	16-M30×60 0	800	920	975	44	24-Φ30	0.6
800VCP-49	830	850	420	121 3	111 5	1900	840	5256	140 0	170 0	1800	16-M30×60 0	800	920	975	44	24-Φ30	0.6
800VCP-67	900	850	420	121 3	134 0	1900	840	5321	140 0	180 0	1900	16-M30×60 0	800	950	101 5	56	24-Φ33	1
800VCP-97	950	850	420	121 3	151 0	1900	840	6000	160 0	200 0	2100	16-M30×60 0	800	950	102 5	74	24-Φ39	1.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
900VCP-15	930	950	460	136 2	104 0	2100	940	4925	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-23	930	950	460	136 2	980	2100	940	5316	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-33	930	950	460	136 2	990	2100	940	5366	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-58	930	950	460	136 2	120 0	2100	940	6450	150 0	190 0	2000	20-M36×70 0	900	105 0	111 5	62	28-Φ33	1
900VCP-78	100 0	950	460	136 2	145 0	2100	940	6500	160 0	200 0	2100	20-M36×70 0	900	105 0	111 5	62	28-Φ33	1
900VCP-113	100 0	950	460	136 2	164 0	2100	940	6700	180 0	220 0	2300	20-M36×70 0	900	105 0	112 5	82	28-Φ39	1.6
900VCP-11	930	950	460	136 2	110 0	2100	940	4925	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-17	930	950	460	136 2	105 0	2100	940	5316	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-24	930	950	460	136 2	107 0	2100	940	5366	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-42	930	950	460	136 2	130 0	2100	940	5431	150 0	190 0	2000	20-M36×70 0	900	102 0	107 5	48	24-Φ30	0.6
900VCP-58	100 0	950	460	136 2	155 0	2100	940	6500	170 0	210 0	2200	20-M36×70 0	900	105 0	111 5	62	28-Φ33	1
900VCP-84	100 0	950	460	136 2	177 0	2100	940	6700	190 0	230 0	2400	20-M36×70 0	900	105 0	111 5	62	28-Φ33	1
1000VCP-13	103 5	105 0	520	149 1	120 0	2300	105 0	5466	160 0	200 0	2100	20-M36×70 0	100 0	112 0	117 5	52	28-Φ30	0.6

Model Size									Foundation			Anchor bolt	Outlet flange					Pressure
	A	B	C	D1	D2	S	H1	H2	D3	D4	D5	n1-M×L1	DN	D6	D7	b	n-Φd	PN (MPa)
1000VCP-19	103 5	105 0	520	149 1	112 0	2300	105 0	5466	160 0	200 0	2100	20-M36×70 0	100 0	112 0	117 5	52	28-Φ30	0.6
1000VCP-28	103 5	105 0	520	149 1	115 0	2300	105 0	5466	160 0	200 0	2100	20-M36×70 0	100 0	112 0	117 5	52	28-Φ30	0.6
1000VCP-49	103 5	105 0	520	149 1	138 0	2300	105 0	6650	160 0	200 0	2100	20-M36×70 0	100 0	112 0	117 5	52	28-Φ30	0.6
1000VCP-66	103 5	105 0	520	149 1	167 0	2300	105 0	6900	180 0	220 0	2300	20-M36×70 0	100 0	116 0	123 0	70	28-Φ36	1
1000VCP-96	103 5	105 0	520	149 1	189 0	2300	105 0	6900	200 0	240 0	2500	20-M36×70 0	100 0	116 0	123 0	70	28-Φ36	1

## LINE SHAFT BEARING LUBRICATING WATER

Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
150VCP-7		0.2~0.3	0.3~0.5
150VCP-13			
150VCP-18			
150VCP-26			
150VCP-26×2		0.3~0.4	0.4~0.6
150VCP-26×3		0.5~0.6	0.5~0.7
150VCP-26×4		0.6~0.7	
150VCP-26×5		0.7~0.8	
150VCP-26×6		0.9~1.0	
150VCP-26×7		1.0~1.1	0.6~0.8
200VCP-7		0.2~0.3	0.3~0.5
200VCP-11			
200VCP-19			
200VCP-26			
200VCP-26×2		0.3~0.4	0.5~0.7
200VCP-38			
200VCP-38×2		0.5~0.6	0.6~0.8
200VCP-38×3		0.7~0.8	
200VCP-38×4		0.9~1.0	
200VCP-38×5		1.1~1.2	
250VCP-7		0.2~0.3	0.3~0.5

Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
	250VCP-10		
	250VCP-15		
	250VCP-26		
	250VCP-35	0.3~0.4	0.5~0.7
	250VCP-52		
	250VCP-35×2	0.4~0.5	0.6~0.8
	250VCP-35×4	0.7~0.8	0.7~0.9
	250VCP-52×2	0.5~0.6	
	250VCP-52×3	0.7~0.8	
	250VCP-35×5	0.8~0.9	0.8~1.0
	250VCP-52×4	1.0~1.1	
	300VCP-9	0.2~0.3	0.3~0.5
	300VCP-13		0.4~0.6
	300VCP-19		0.5~0.7
	300VCP-33	0.3~0.4	0.6~0.8
	300VCP-45		
	300VCP-65		
	300VCP-45×2	0.6~0.7	0.7~0.9
	300VCP-45×4	1.0~1.1	0.8~1.0
	300VCP-65×2	0.8~0.9	
	300VCP-65×3	2.0~2.1	
	350VCP-11	0.2~0.3	0.4~0.6
	350VCP-16		0.5~0.7
	350VCP-23	0.3~0.4	



Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
	350VCP-41	0.4~0.5	0.6~0.8
	350VCP-55		0.7~0.9
	350VCP-81	0.5~0.6	
	350VCP-55×2	0.7~0.8	
	350VCP-55×4	1.2~1.3	
	350VCP-81×2	0.9~1.0	0.5~0.7
	400VCP-7	0.2~0.3	
	400VCP-10		
	400VCP-13		
	400VCP-15		
	400VCP-19		
	400VCP-27	0.2~0.3	0.6~0.8
	400VCP-36	0.3~0.4	0.7~0.9
	400VCP-49	0.4~0.5	
	400VCP-66		
	400VCP-53	0.6~0.7	0.8~1.0
	400VCP-97		
	400VCP-49×3		
	400VCP-66×2	0.8~0.9	0.9~1.1
	400VCP-97×2	1.1~1.2	
	450VCP-9	0.2~0.3	0.5~0.7
	450VCP-16		0.6~0.8
	450VCP-13		
	450VCP-19		

Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
	450VCP-24		
	450VCP-33	0.3~0.4	0.7~0.9
	450VCP-34		
	450VCP-45	0.3~0.4	0.8~1.0
	450VCP-62	0.4~0.5	
	450VCP-65		
	450VCP-83	0.6~0.7	
	450VCP-45×2		
	450VCP-122	0.7~0.8	0.9~1.1
	450VCP-65×2		1.0~1.2
	450VCP-65×3	1.1~1.2	1.1~1.3
	500VCP-10	0.2~0.3	0.6~0.8
	500VCP-15		0.7~0.9
	500VCP-22		
	500VCP-38	0.3~0.4	0.8~1.0
	500VCP-52	0.4~0.5	
	500VCP-75	0.5~0.6	0.9~1.1
	500VCP-52×2	0.6~0.7	1.0~1.2
	500VCP-75×2	0.9~1.0	
	600VCP-13	0.2~0.3	0.7~0.9
	600VCP-19	0.3~0.4	
	600VCP-27		0.8~1.0
	600VCP-49		
	600VCP-66	0.4~0.5	0.9~1.1

Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
	600VCP-96	0.6~0.7	1.0~1.2
	600VCP-66×2	0.8~0.9	1.1~1.3
	700VCP-10	0.2~0.3	0.7~0.9
	700VCP-15		0.8~1.0
	700VCP-16		
	700VCP-23		
	700VCP-34		
	700VCP-41	1.0~1.2	
	700VCP-60	1.0~1.2	
	700VCP-55	0.4~0.5	1.1~1.3
	700VCP-81		0.5~0.6
	700VCP-117	0.7~0.8	1.3~1.5
	800VCP-13	0.2~0.3	0.8~1.0
	800VCP-19	0.3~0.4	
	800VCP-28	0.2~0.3	1.0~1.2
	800VCP-49	0.3~0.4	1.1~1.3
	800VCP-67	0.4~0.5	1.3~1.5
	800VCP-97	0.6~0.7	1.4~1.6
	900VCP-11	0.2~0.3	0.8~1.0
	900VCP-15	0.3~0.4	0.9~1.1
	900VCP-17	0.2~0.3	
	900VCP-23		1.0~1.2
	900VCP-24		1.0~1.2
	900VCP-33	0.3~0.4	1.1~1.3

Model	Lubricating water	Lubricating water pressure (MPa)	Lubricating water flow(m <sup>3</sup> /h)
	900VCP-42		1.3~1.5
	900VCP-58	0.4~0.5	1.4~1.6
	900VCP-78	0.5~0.6	1.5~1.7
	900VCP-84	0.6~0.7	1.6~1.8
	900VCP-113	0.7~0.8	1.7~1.9
	1000VCP-13	0.2~0.3	0.9~1.1
	1000VCP-19	0.3~0.4	1.0~1.2
	1000VCP-28	0.2~0.3	1.2~1.4
	1000VCP-49	0.3~0.4	1.4~1.6
	1000VCP-66	0.4~0.5	1.6~1.8
	1000VCP-96	0.6~0.7	1.8~2.0