

Type JIV

Immersion type Vertical Multi stage Stainless Steel Pumps



Working Condition :

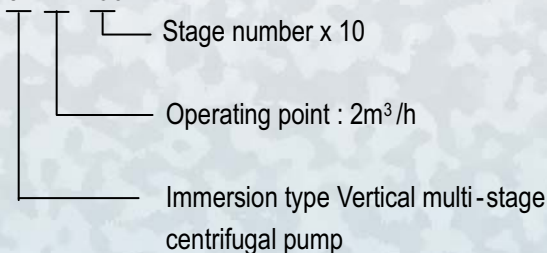
- ✧ Liquid temperature: -15°C~+110°C
- ✧ Maximum Ambient temperature: +40°C
- ✧ When the density and the viscosity of the transporting media are higher than water, pressure will drop and power consumption will increase. If the pump runs in such condition, it must be equipped with a bigger motor.

Material

- ✧ Impeller, pump shaft and guide plate: SUS304 or SUS316L stainless steel.
- ✧ Motor case: Aluminum-alloy
- ✧ Standard mechanical seal: Viton/TGC/carbon (special materials are available upon request)

Symbol

JIV 2 – 90



Motor

- ✧ T.E.F.C., continuous duty, Insulation class: F, Protection class: IP55
- ✧ Three phase: 415V, 50Hz Speed: 2900 rpm

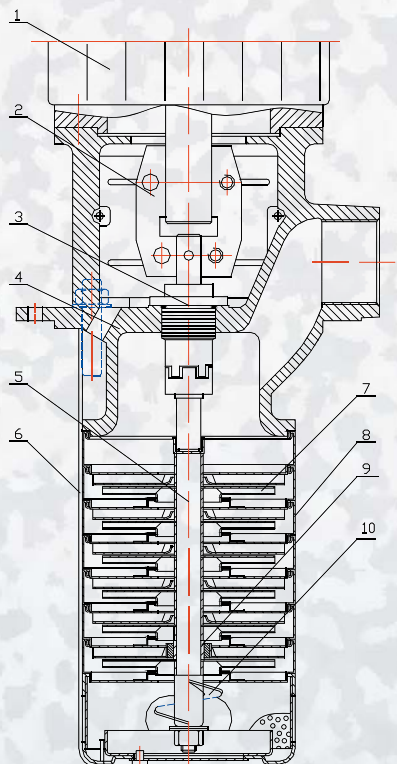
Performance specification

- ✧ The performance is obtained using 2 pole, 50Hz standard motor at 2900 rpm.
- ✧ Water test temperature 20°C. Performance limits ISO2548 Specification for standard class C pumps & GB3216-2005 specification for standard class 2 pump.
- ✧ To avoid overload and danger, the pump should be operated within the performance ranges.

Application

- ✧ Lathe \ grinding machine
- ✧ Electric spark
- ✧ Scrap metal scour
- ✧ Processing center
- ✧ Cooling devices
- ✧ Industrial cleaning equipment
- ✧ Filtering system

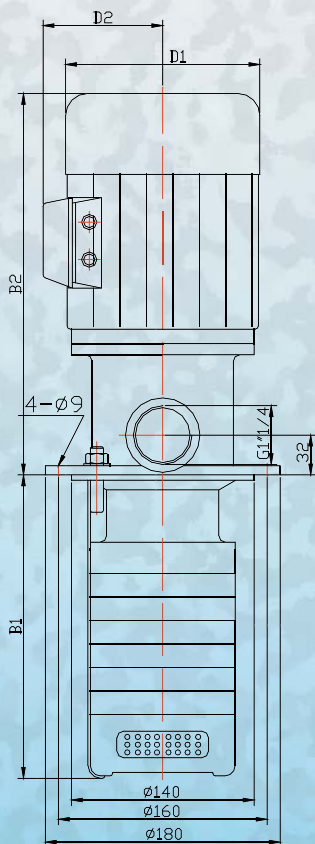
Structure Chart (JIV2-JIV4)



Main Component

No.	Description	Material
1	Motor	
2	Coupling	Cast Steel
3	Mechanical Seal	h/ton/tgc/carbon
4	Bracket	Cast Iron
5	Pump Shaft	06Cr19Ni10 ^a
6	Tension Bar	06Cr19Ni10 ^a
7	Impeller	06Cr19Ni10 ^a
8	Diffuser Assembly	06Cr19Ni10 ^a
9	Plain Bearing	TC
10	Guide pulley	06Cr19Ni10 ^a

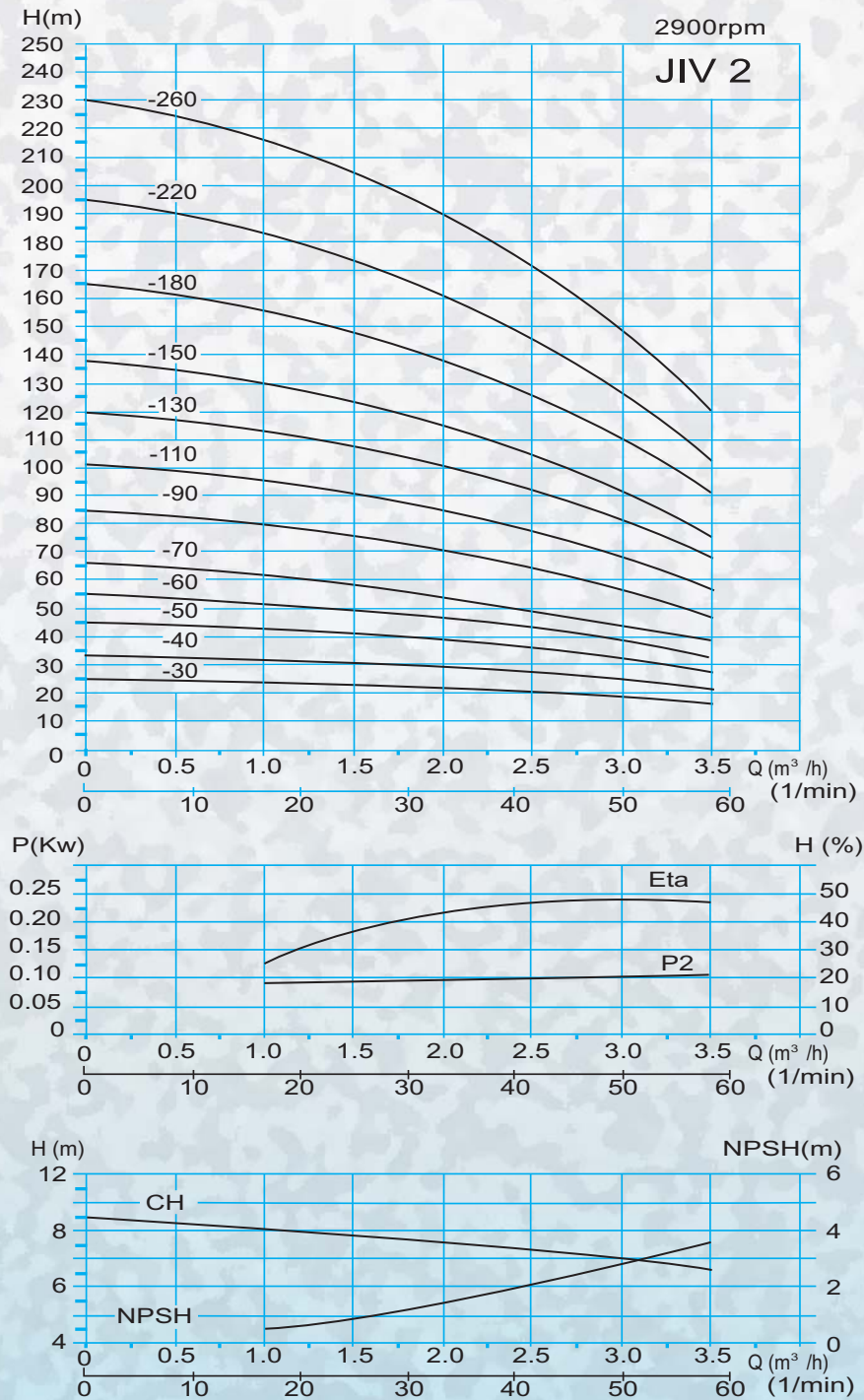
DIMENSION



Model	Dimensions (mm)					Weight (Kg)
	B1	B2	B1+B2	D1	D2	
JIV2-30	176	340	516	140	105	16
JIV2-40	194	340	534	140	105	16
JIV2-50	212	340	552	140	105	16
JIV2-60	230	370	600	156.6	110	18.5
JIV2-70	248	370	618	156.6	110	24
JIV2-90	284	370	636	156.6	110	26
JIV2-110	320	370	654	156.6	110	26
JIV2-130	356	380	736	176.6	118	31
JIV2-150	392	380	772	176.6	118	31
JIV2-180	446	380	826	176.6	118	34
JIV2-220	518	380	989	176.6	118	34
JIV2-260	590	430	1020	196.6	135	41

Model	Dimensions (mm)					Weight (Kg)
	B1	B2	B1+B2	D1	D2	
JIV4-30	203	370	573	156.6	110	22
JIV4-40	230	370	600	156.6	110	22
JIV4-50	257	370	627	156.6	110	24
JIV4-60	284	370	654	156.6	110	24
JIV4-70	311	380	691	176.6	118	24.4
JIV4-80	338	380	718	176.6	118	24.5
JIV4-100	392	380	772	176.6	118	30
JIV4-120	446	380	826	176.6	118	30
JIV4-140	500	545	1045	196.6	135	38.5
JIV4-160	554	545	1099	196.6	135	38.5
JIV4-190	635	545	1180	196.6	135	45
JIV4-220	716	545	1261	196.6	135	45

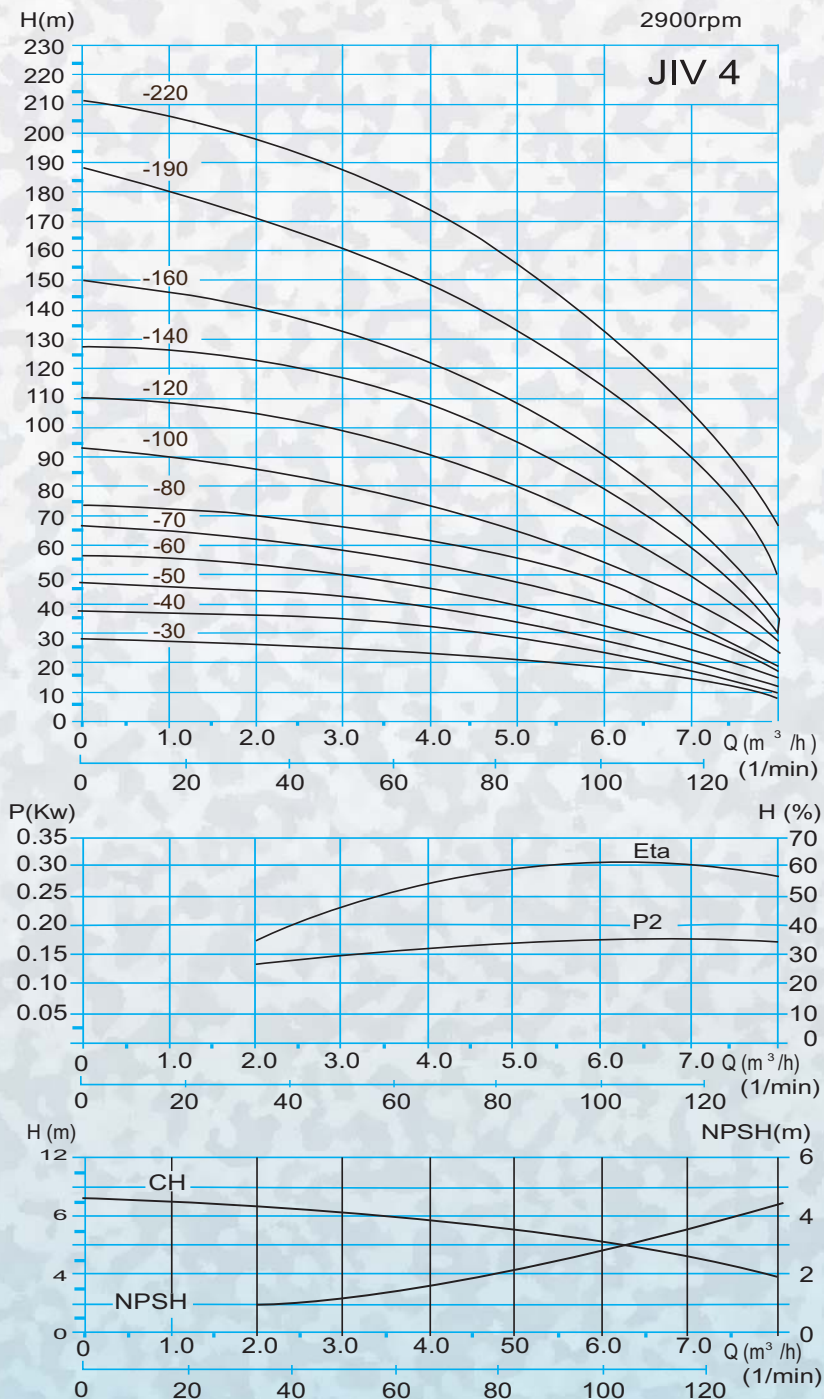
Performance Curve



Performance Data

Model	Power		Capacity						
Three phase 415V 50HZ	kW	HP	m ³ /h	1.0	1.5	2.0	2.5	3.0	3.5
			l/min	16.7	25	33.3	41.7	50	58.3
			Head (m)						
JIV2-30	0.55	0.75		26	25	23.5	21.5	20	17
JIV2-40	0.55	0.75		32.5	31	29.5	27.5	25.5	21
JIV2-50	0.55	0.75		41	39	36.5	34	31	26
JIV2-60	0.75	1.0		52	50	47	43	39	33
JIV2-70	0.75	1.0		60	58	53	50	45	39
JIV2-90	1.1	1.5		78	74	69	63	58	46
JIV2-110	1.1	1.5		96	91	85	80	72	57
JIV2-130	1.5	2.0		112	107	100	90	81	69
JIV2-150	1.5	2.0		130	124	114	104	93	77
JIV2-180	2.2	3.0		156	149	138	130	114	96
JIV2-220	2.2	3.0		185	173	165	150	121	100
JIV2-260	3.0	4.0		218	203	194	176	150	120

Performance Curve



Performance Data

Model	Power		Capacity							
Three phase 415 V 50HZ	kW	HP	m ³ /h	2	3	4	5	6	7	8
			l/min	33.3	50	66.7	83.3	100	116.7	133.3
			Head (m)							
JIV4-30	0.75	1.0		26	25	24	22.5	20	12	7.5
JIV4-40	0.75	1.0		35	33.5	32	29.5	26.5	20	10
JIV4-50	1.1	1.5		43	40	37	33	28	20	11.5
JIV4-60	1.1	1.5		52	50	45	41	34	23	14
JIV4-70	1.5	2.0		61	58	53	47.5	40	28	18
JIV4-80	1.5	2.0		70	66.5	61	54	46	32	21
JIV4-100	2.2	3.0		86	80	74	66	56	41	23
JIV4-120	2.2	3.0		105	99	91	82	68	47	27
JIV4-140	3.0	4.0		123	116	106	93	79	56	29
JIV4-160	3.0	4.0		142	133	122	111	94	67	34
JIV4-190	4.0	5.5		172	160	148	134	115	89	47
JIV4-220	4.0	5.5		190	177	163	142	119	91	60