



VA-MA[®]

various advanced manufacturing applications

TECHNICAL CATALOGUE

(Vertical Multistage)



MADE IN ITALY



Vertical Multistage Pumps

CVF-TYPE



- **CVF 1**
- **CVF 2**
- **CVF 3**
- **CVF 4**
- **CVF 5**
- **CVF 10**
- **CVF 15**
- **CVF 20**
- **CVF 32**
- **CVF 45**
- **CVF 64**
- **CVF 90**

MADE IN ITALY



CVF TYPE

Description & Applications:

The CVF Series is specially engineered for handling slightly corrosive liquids. All wetted components are manufactured from high-grade stainless steel using advanced pressing and precision welding technology, ensuring excellent corrosion resistance, structural strength, and long service life.

The pump features a compact, space-efficient design that allows flexible installation even in confined areas. It operates with low noise levels and delivers stable, reliable performance. The simplified structure also ensures easy maintenance and reduced downtime.



Key Features:

- Stainless steel flow passage components for enhanced corrosion resistance
- Advanced pressing and welding construction for durability
- Compact, space-saving design
- Low-noise and smooth operation
- Easy installation and maintenance

Applications:

- Suitable for domestic, agricultural, industrial, and irrigation systems, including:
- Water filtration and water transfer in distribution networks
- Main pipeline pressure boosting
- High-rise building water supply systems
- Air conditioning systems
- Boiler water circulation systems
- The CVF Series combines efficiency, durability, and operational reliability, making it an ideal solution for modern water handling and pressure boosting applications.

Main Features:

- Flow rate up to 300 m³/hr
- Head up to 300 m
- water temperature up to 180 °c
- Ambient temperature up to 50 °c

Component Construction:

- Pump body Stainless steel AISI 304
- Pump bracket cast iron
- Diffuser Stainless steel AISI 304
- Impeller Stainless steel AISI 304
- Pump shaft Stainless steel AISI 431
- Mechanical seal Tungsten carbide / Silicon carbide
- (Cartridge type for easy maintenance)

Motor:

- Full-enclosed and ventilating two-pole standard motor (n=2900 r.p.m)
- Insulation class F
- Protection degree IP55
- Single phase 220V/50Hz
- three phase 380V/50Hz

CVF 1

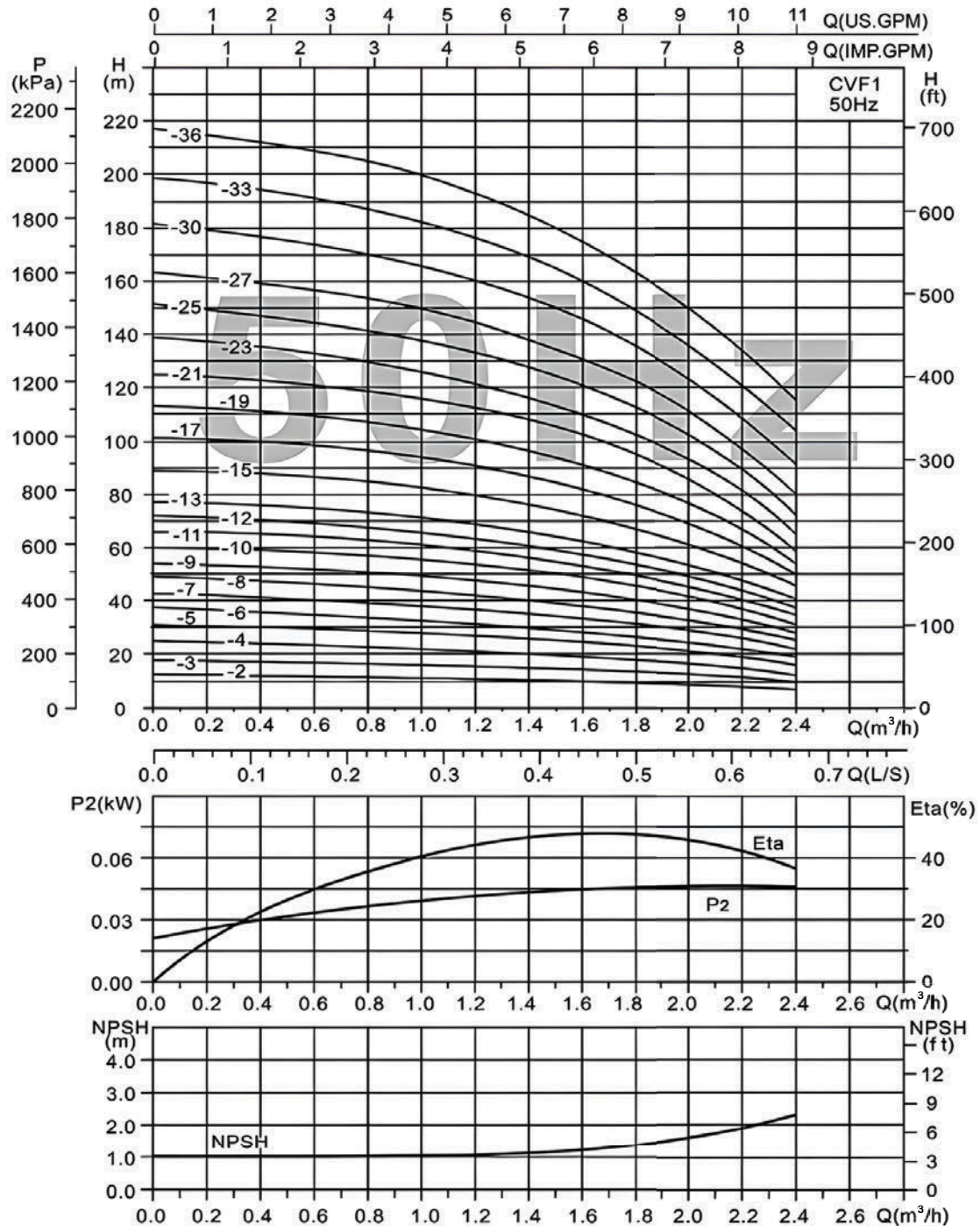
SPECIFICATIONS:

Type	P2		Flow Rate (Q)										
			m ³ /hr	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2
	(HP)	(KW)	Head (H)										
CVF1-2	0.5	0.37	m	12	11.8	11.5	11	11	10.5	9.8	9.2	8.5	7.8
CVF1-3	0.5	0.37		17.5	17	16.8	16.5	16	15.5	14	13.5	12	10.5
CVF1-4	0.5	0.37		23.5	23	22.5	22	21	20.5	18.5	18	16.5	14
CVF1-5	0.5	0.37		29	28.5	28	27.5	26.5	26	24	23	20.5	17.5
CVF1-6	0.5	0.37		35	34.5	34	33	32	31	28	27	25	22
CVF1-7	0.5	0.37		41	40	39	38.5	37	35	33	32	29	25
CVF1-8	0.75	0.55		46.5	46	45.5	44	42	40	38	36	33	29
CVF1-9	0.75	0.55		52	51.5	51	49.5	47.5	46	44	41	37	34
CVF1-10	0.75	0.55		58	57.5	57	56	54	52	48	46	41.5	37
CVF1-11	0.75	0.55		65	63	62.5	61	59	56	54	50	46	40
CVF1-12	1.0	0.75		70	69	68	66	64	62	58	55	49	43
CVF1-13	1.0	0.75		75	74.5	74	72	69	66	63	59	54	47
CVF1-15	1.0	0.75		87	86	85	84	80.5	77	72	68	62	53
CVF1-17	1.5	1.1		99	97.5	97	95	91	87	81.5	77	69	59
CVF1-19	1.5	1.1		110.5	109	108	106	101	97	91	86	78	66
CVF1-21	1.5	1.1		122	120.5	119.5	116	112	108	101	95	86	73
CVF1-23	1.5	1.1		135	132.5	130	126	122	117	111	104	94	80
CVF1-25	2.0	1.5		147	144	141	138	133	128	121	114	103	87
CVF1-27	2.0	1.5		158	156	154	150	144	138	130	121	112	96
CVF1-30	2.0	1.5		175	173	171	166	160	154	145	136	124	108
CVF1-33	3.0	2.2		193	191	188	183	176	170	160	150	136	120
CVF1-36	3.0	2.2		212	209	205	200	192	184	174	164	150	133



CVF 1

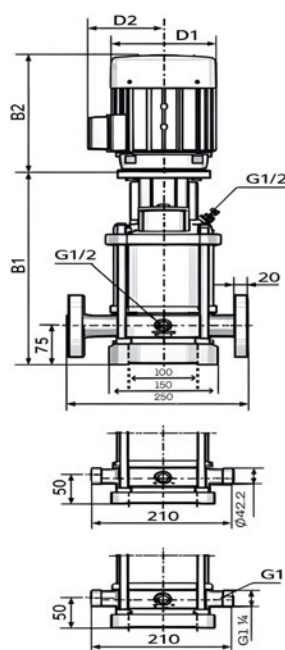
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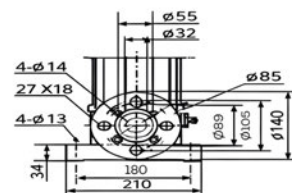
CVF 1

DIMENSIONS:

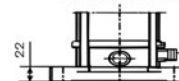
Model	Dimensions (mm)					N.W(Kg)
	B1	B2	B1+B2	D1	D2	
CVF1-2	259	205	464	133	102/124	20
CVF1-3	277	205	482	133	102/124	20
CVF1-4	295	205	500	133	102/124	21
CVF1-5	313	205	518	133	102/124	21
CVF1-6	331	205	536	133	102/124	21
CVF1-7	349	205	554	133	102/124	22
CVF1-8	367	205	572	133	102/124	22
CVF1-9	385	205	590	133	102/124	23
CVF1-10	403	205	608	133	102/124	24
CVF1-11	427	205	632	154	102/124	25
CVF1-12	439	205	644	154	102/124	26
CVF1-13	457	205	662	154	102/124	27
CVF1-15	493	205	698	154	102/124	28
CVF1-17	535	245	776	154	102/133	31
CVF1-19	574	245	815	154	111/133	32
CVF1-21	607	245	848	154	111/133	33
CVF1-23	643	245	884	154	111/133	34
CVF1-25	671/687	245/300	919/987	154/177	111/144.5	40
CVF1-27	715/723	245/300	956/1016	154/177	111/144.5	41
CVF1-30	769/777	245/300	1010/1070	154/177	111/144.5	42
CVF1-33	831	245/300	1106/1124	177	116/144.5	45
CVF1-36	885	245/300	1160/1178	177	116/144.5	46



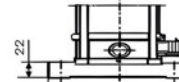
FGJ(DIN-ANSI-JIS)
PN25(DN32/DN25)



Cutting ferrule join



Pipe thread



CVF 2

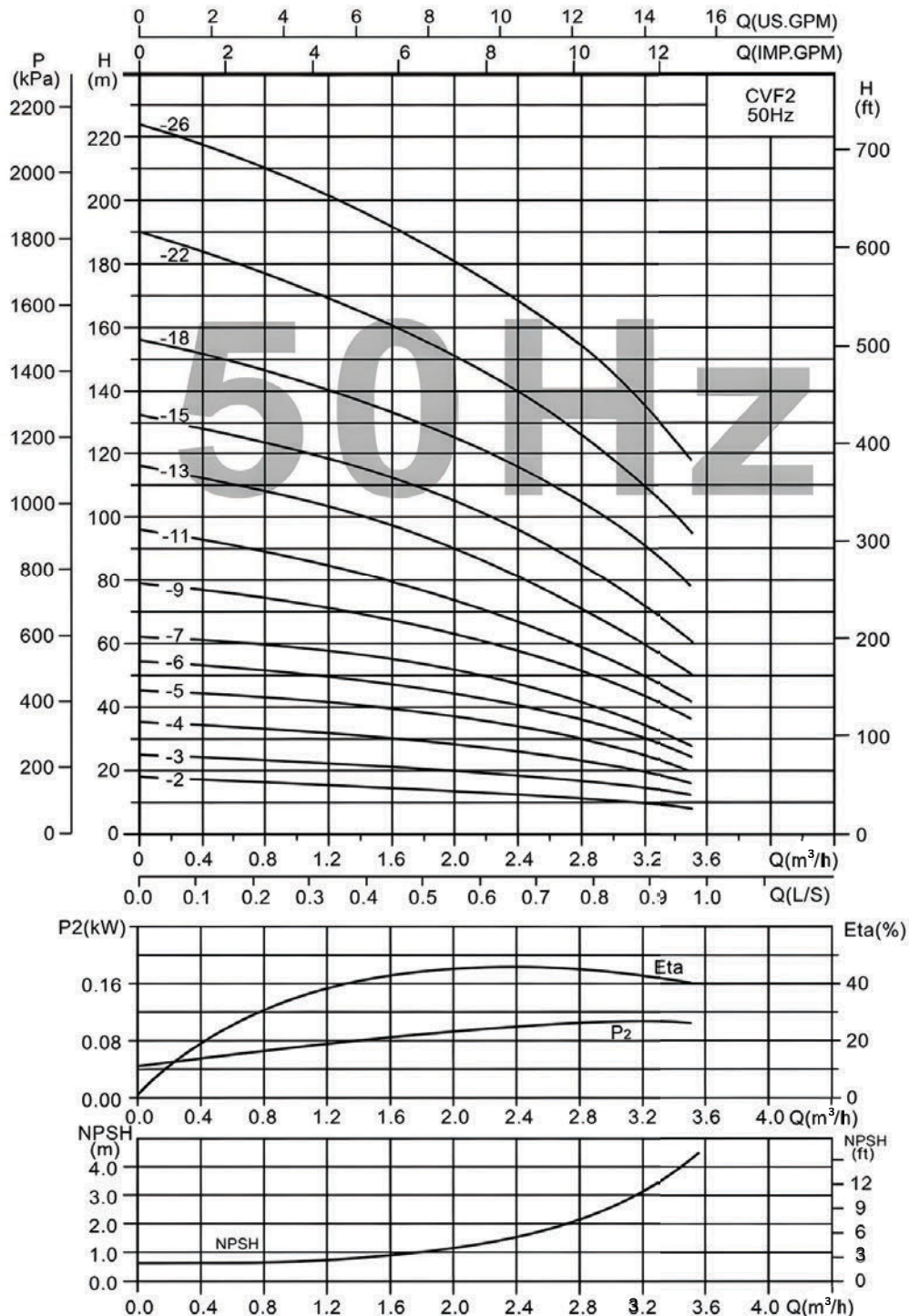
SPECIFICATIONS:

Type	P2		Flow Rate (Q)								
			m ³ /hr	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
	(HP)	(KW)	Head (H)								
CVF2-2	0.5	0.37	m	16	15.5	14.5	14	12.5	11	9.5	8
CVF2-3	0.5	0.37		23	22.5	21	20	18.5	16	14	12
CVF2-4	0.75	0.55		32	31	30	28	26	23	20	16
CVF2-5	0.75	0.55		42.5	42	40	37	34.5	30	25	20
CVF2-6	1.0	0.75		51	50	47	44	41	36	30	24
CVF2-7	1.0	0.75		59	57	55	52	47	41	35	28
CVF2-9	1.5	1.1		72	71	67	63	58	51	44	36
CVF2-11	1.5	1.1		87	85	80	74	67	59	50	42
CVF2-13	2.0	1.5		106	104	99	90	81	71	60	51
CVF2-15	2.0	1.5		121	119	112	105	96	85	72	61
CVF2-18	3.0	2.2		143	139	133	125	116	105	91	78
CVF2-22	3.0	2.2		173	169	162	152	140	126	110	95
CVF2-26	4.0	3.0		206	201	191	180	170	155	133	118



CVF 2

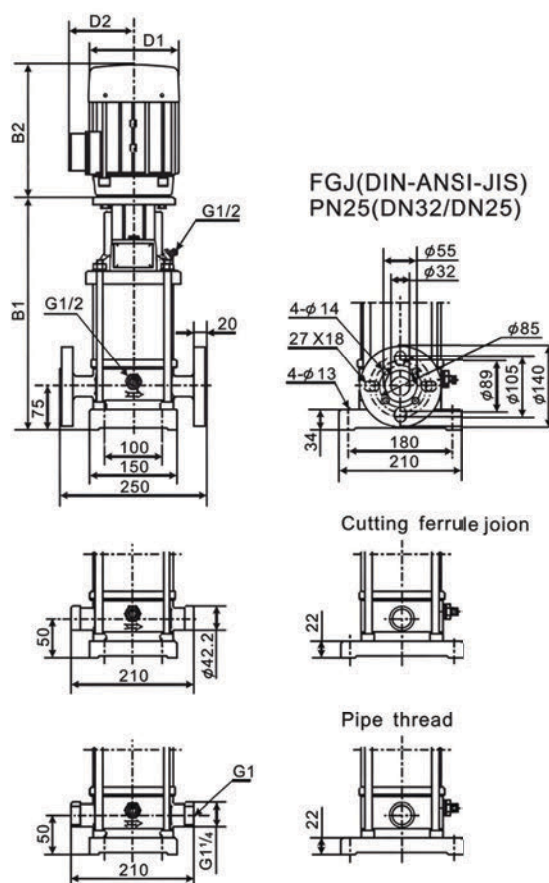
PERFORMANCE RANGE:



CVF 2

DIMENSIONS:

Model	Dimensions (mm)					N.W(Kg)
	B1	B2	B1+B2	D1	D2	
CVF2-2	259	205	464	133	102/124	21
CVF2-3	277	205	482	133	102/124	21
CVF2-4	295	205	500	133	102/124	23
CVF2-5	313	205	518	133	102/124	23
CVF2-6	331	205	536	133	102/124	25
CVF2-7	349	205	554	133	102/124	25
CVF2-9	391	241	632	154	111/133	27
CVF2-11	427	241	668	154	111/133	27
CVF2-13	463	241/293	704/758	154/177	111/144.5	29
CVF2-15	499	241/293	740/792	154/177	111/144.5	29
CVF2-18	565	275/293	840/858	177	116/144.5	35
CVF2-22	637	275/293	912	177	116/144.5	38
CVF2-26	709	293	1002	177	116	45



CVF 3

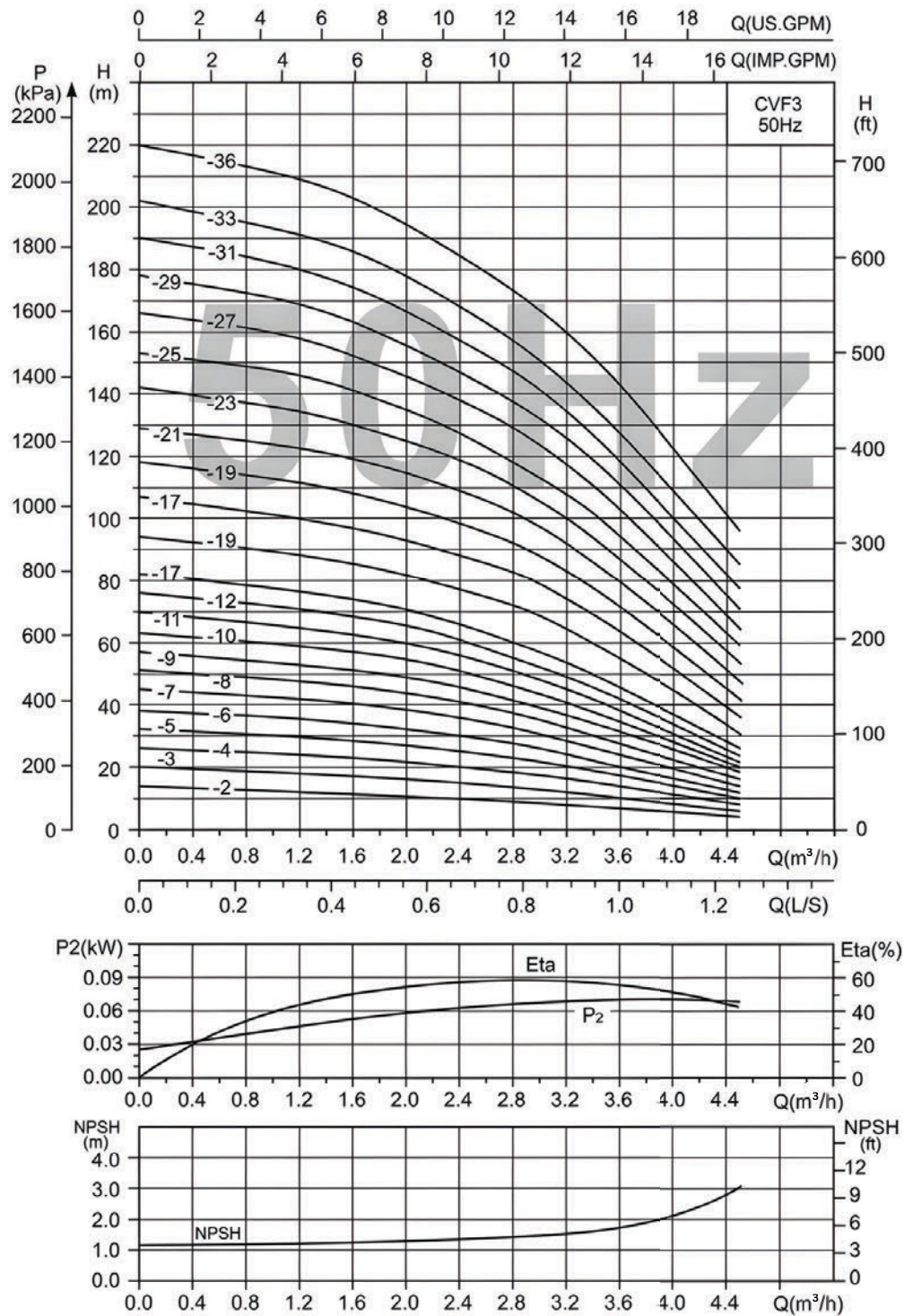
SPECIFICATIONS:

Type	P2		Flow Rate (Q)										
			m ³ /hr	1.2	1.6	2.0	2.4	2.8	2.0	3.2	3.4	3.6	4.0
	(HP)	(KW)	Head (H)										
CVF3-2	0.5	0.37	m	12	11.3	10.5	10	9	8.5	8	7.5	7	6
CVF3-3	0.5	0.37		18	17	16	15	14	13	12	11	10	8
CVF3-4	0.5	0.37		24	23	21.5	20	18.5	17.5	16.5	15	13.5	11
CVF3-5	0.5	0.37		30	28.5	27	25	23	22	20.5	19	17.5	14
CVF3-6	0.75	0.55		36	34	32	30	28	26	24	22	20	16.5
CVF3-7	0.75	0.55		42	40.5	39	36	33	30.5	28.5	26	24	19.5
CVF3-8	1.0	0.75		48	46	44	41	37	35	32.5	30	27	22.5
CVF3-9	1.0	0.75		53	51	49	46	41.5	39	37	34	32	26
CVF3-10	1.0	0.75		59	57	55	51	46	43	41	37	34	28
CVF3-11	1.5	1.1		65	62.5	60	56	51	48	45	42	38	30.5
CVF3-12	1.5	1.1		71	68	66	61	55	52	49	45.5	42	34
CVF3-13	1.5	1.1		77	74	71	66	60	57	53	50	46	37
CVF3-15	1.5	1.1		88	85	82	77	72	68.5	64	60	55	44
CVF3-17	2.0	1.5		100	97	93	88	83	79	74	69	64	52
CVF3-19	2.0	1.5		112	108	104	98	92	88	83	77	71	58
CVF3-21	3.0	2.2		123	119	115	108	102	94	92	86	79	65
CVF3-23	3.0	2.2		134	130	125	119	110	105	100	94	86	72
CVF3-25	3.0	2.2		146	141	135	128	118	113	108	102	94	79
CVF3-27	3.0	2.2		158	152	146	138	129	123	117	110	103	86
CVF3-29	3.0	2.2		169	163	156	147	137	132	125	118	111	93
CVF3-31	4.0	3.0		180	174	167	157	147	141	134	126	118	100
CVF3-33	4.0	3.0		191	186	178	168	157	150	143	135	127	108
CVF3-36	4.0	3.0		209	203	194	184	173	166	159	151	143	122



CVF 3

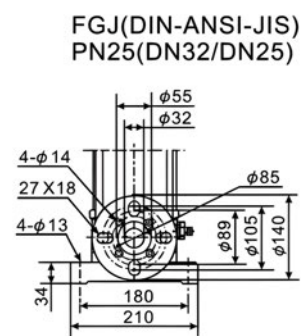
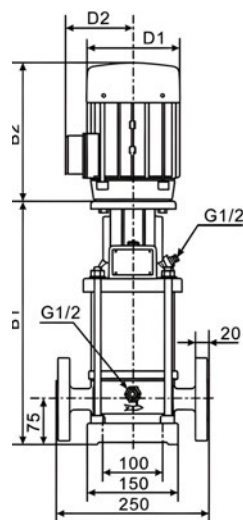
PERFORMANCE RANGE:



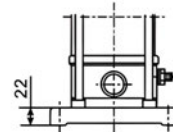
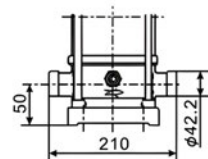
CVF 3

DIMENSIONS:

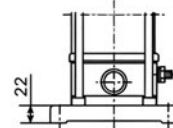
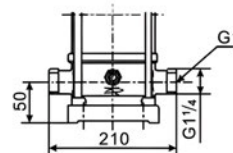
Model	Dimensions (mm)					N.W(Kg)
	B1	B2	B1+B2	D1	D2	
CVF3-2	259	205	464	133	102	20
CVF3-3	277	205	482	133	102	20
CVF3-4	295	205	500	133	102	21
CVF3-5	313	205	518	133	102	21
CVF3-6	331	205	536	133	102	22
CVF3-7	349	205	554	133	102	22
CVF3-8	367	205	572	133	102	23
CVF3-9	385	205	590	133	102	24
CVF3-10	403	205	608	133	102	25
CVF3-11	427	241	668	154	111	27
CVF3-12	445	241	686	154	111	27
CVF3-13	463	241	704	154	111	28
CVF3-15	499	241	740	154	111	29
CVF3-17	535	241/293	776/828	154	111	34
CVF3-19	571	241/293	812/864	154	111	35
CVF3-21	615	275/293	890/908	177	116	38
CVF3-23	651	275/293	926/944	177	116	39
CVF3-25	687	275/293	962/980	177	116	40
CVF3-27	723	275/293	998/1016	177	116	41
CVF3-29	759	275/293	1034/1052	177	116	42
CVF3-31	795	275/293	1070/1080	177	116	47
CVF3-33	831	275/293	1106/1124	177	116	48
CVF3-36	885	275/293	1160/1178	177	116	50



Cutting ferrule joion



Pipe thread



CVF 4

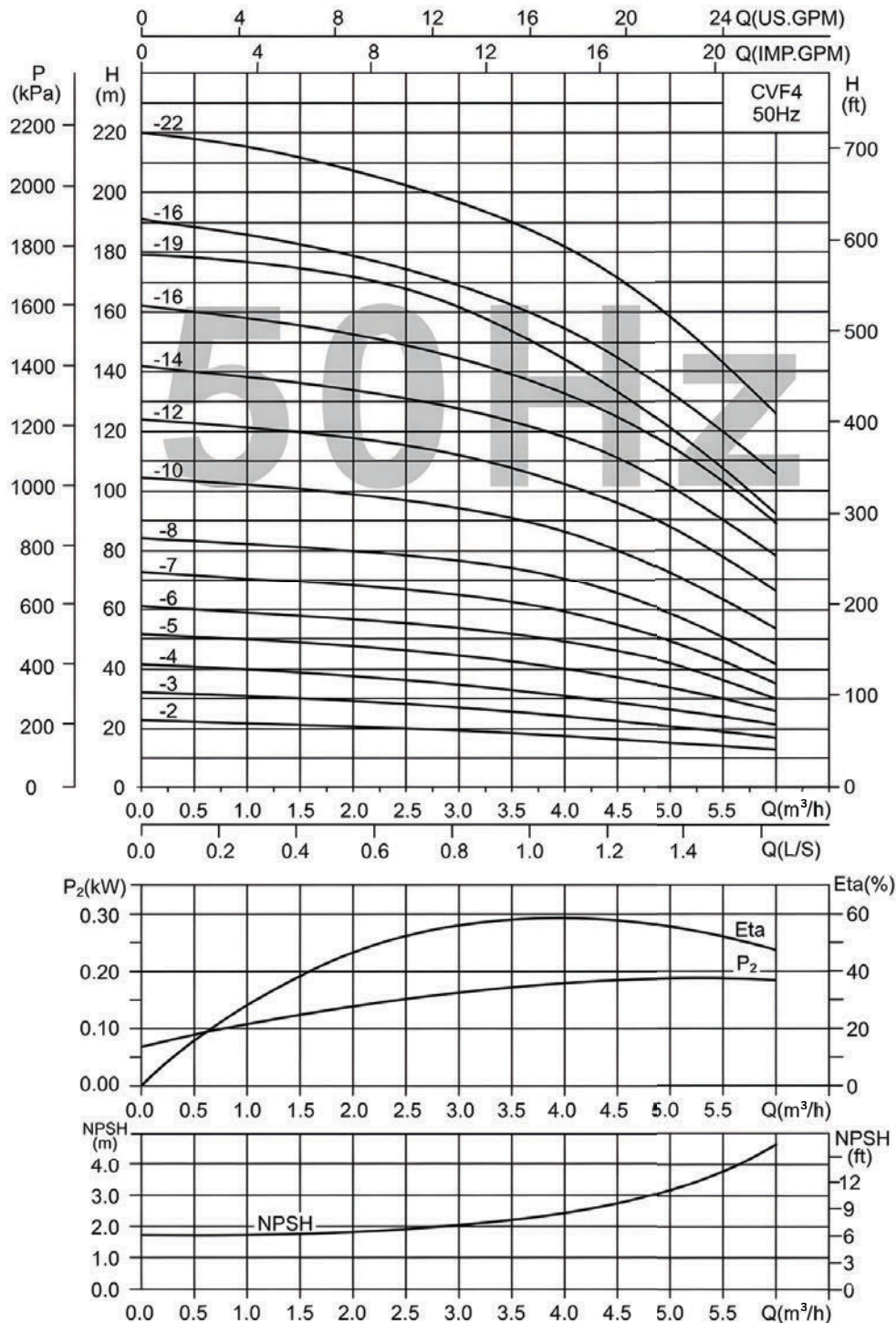
SPECIFICATIONS:

Type	P2		Flow Rate (Q)								
			m ³ /hr	1.0	2.0	3.0	4.0	4.5	5.0	5.5	6.0
	(HP)	(KW)	Head (H)								
CVF4-2	0.5	0.37	m	22	21	19.5	18	17	16	14	13
CVF4-3	0.75	0.55		31	29.5	28	24	22	21	19	18
CVF4-4	1.0	0.75		40	38	35	31	29	27	24	22
CVF4-5	1.5	1.1		50	48	44	40	38	34	30	26
CVF4-6	1.5	1.1		59	57	53	49	45	41	36	30
CVF4-7	2.0	1.5		71	69	65	59	55	50	43	36
CVF4-8	2.0	1.5		83	80	78	71	65	59	51	42
CVF4-10	3.0	2.2		103	100	95	87	80	79	73	54
CVF4-12	3.0	2.2		122	119	113	103	96	88	78	68
CVF4-14	4.0	3.0		139	134	128	118	111	102	90	79
CVF4-16	4.0	3.0		158	153	145	134	126	116	103	89
CVF4-18	5.5	4.0		176	173	164	148	135	118	108	94
CVF4-19	5.5	4.0		186	180	170	155	145	133	117	98
CVF4-22	5.5	4.0		216	208	197	182	172	159	143	126



CVF 4

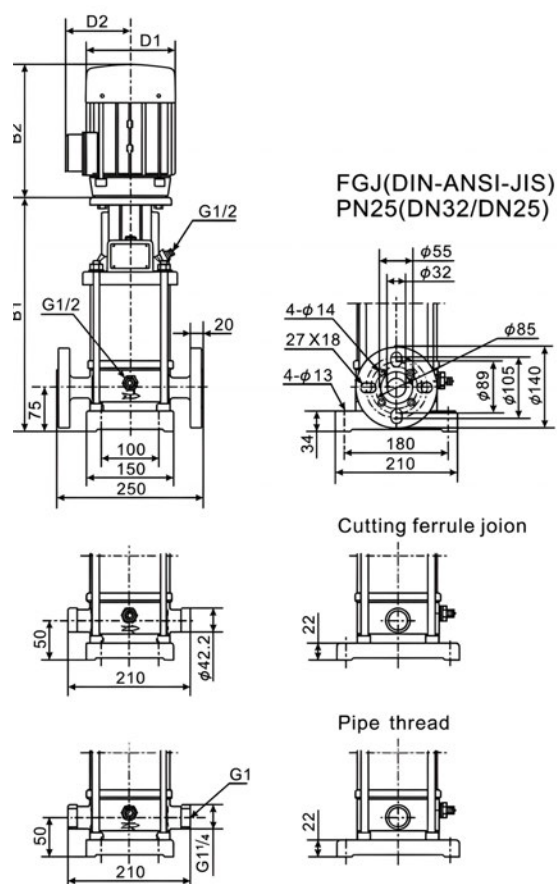
PERFORMANCE RANGE:



CVF 4

DIMENSIONS:

Model	Dimensions (mm)					N.W(Kg)
	B1	B2	B1+B2	D1	D2	
CVF4-2	259	205	464	133	102	22
CVF4-3	277	205	482	133	102	22
CVF4-4	295	205	500	133	102	23
CVF4-5	319	241	560	154	111	23
CVF4-6	337	241	578	154	111	25
CVF4-7	355	241/293	596/648	154	111	30
CVF4-8	373	241/293	614/666	154	111	30
CVF4-10	417	275/293	692/710	170	117	32
CVF4-12	453	275/293	728/746	170	117	32
CVF4-14	489	275/293	764/782	170	117	35
CVF4-16	525	275/293	800/818	170	117	39
CVF4-18	581	323	904	200	142	42
CVF4-19	599	323	922	200	142	45
CVF4-22	653	323	976	200	142	49



CVF 5

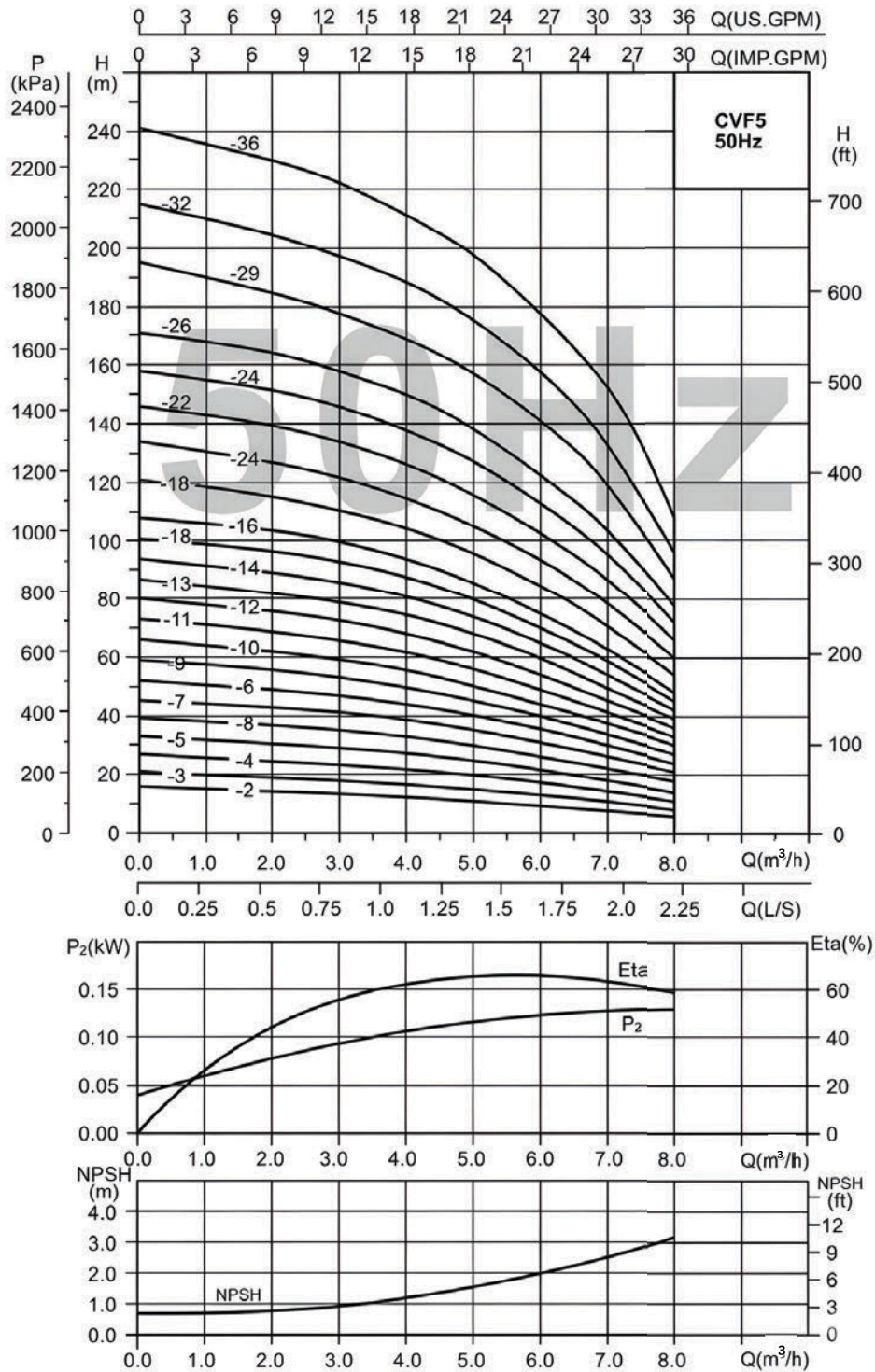
SPECIFICATIONS:

Type	P2		Flow Rate (Q)											
			m³/hr	2	3	4.0	4.5	5	5.5	6	6.5	7.0	7.5	8.5
	(HP)	(KW)	Head (H)											
CVF5-2	0.5	0.37	m	14	13	12	11.5	11	10	9	8	7.5	6.5	6
CVF5-3	0.5	0.55		19	18	16.5	15.5	15	14	13	12	11	9	8
CVF5-4	0.5	0.55		24.5	23	22.5	21	20	18.5	17	15.5	14	12.5	11
CVF5-5	1.0	0.75		30.5	29	27	26	24.5	23	21.5	20	17.5	16	14
CVF5-6	1.5	1.1		37	35	33	31.5	30	28	26	24	22	20	18
CVF5-7	1.5	1.1		43	41	39	37	35	33	31	28	26	24	21
CVF5-8	1.5	1.1		49	47	44	42	40	38	36	32	30	27	24
CVF5-9	2.0	1.5		56	53	50	47.5	45	42.5	40	37	33.5	30.5	27
CVF5-10	2.0	1.5		62	59	55	53	50	47	44	41	37	34	30
CVF5-11	3.0	2.2		68.5	65.5	61.5	59	56	52	49	45	41	37	33
CVF5-12	3.0	2.2		75	72.5	68	65	62	58	54	49	45	40.5	36
CVF5-13	3.0	2.2		81.5	79	74	71	68	64	59.5	54	49	44	39
CVF5-14	3.0	2.2		89	85	81	77	74	69	65	59	54	48	42
CVF5-15	3.0	2.2		96	93	88	84	80	75	70	64	59	52	45
CVF5-16	3.0	2.2		103	100	94	90	85	80	75	69	63	56	48
CVF5-18	4.0	3.0		115	110	104	100	96	90	85	78	71	63	54
CVF5-20	4.0	3.0		129	122	115	109	105	99	94	86	78	70	60
CVF5-22	5.0	4.0		139	134	126	121	116	110	103	95	87	77	66
CVF5-24	5.0	4.0		152	146	138	133	127	120	113	105	96	84	72
CVF5-26	5.0	4.0		164	158	150	144	138	131	122	114	104	91	78
CVF5-29	5.0	4.0		185	177	168	164	157	150	141	132	119	103	87
CVF5-32	7.5	5.5		205	197	189	183	176	166	158	147	134	114	96
CVF5-36	7.5	5.5		230	222	212	205	198	188	177	166	154	133	108



CVF 5

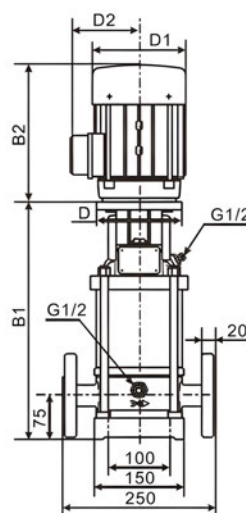
PERFORMANCE RANGE:



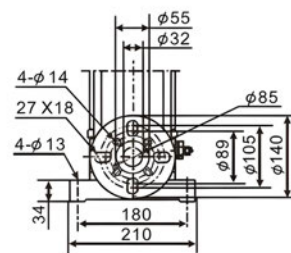
CVF 5

DIMENSIONS:

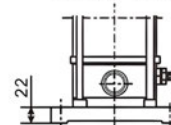
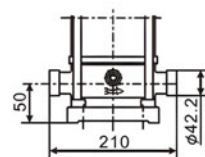
Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF5-2	277	205	482	-	133	102	21
CVF5-3	304	205	509	-	133	102	21
CVF5-4	331	205	536	-	133	102	22
CVF5-5	358	205	563	-	133	102	24
CVF5-6	391	241	632	-	154	111	27
CVF5-7	418	241	659	-	154	111	28
CVF5-8	445	241	686	-	154	111	29
CVF5-9	472	241/293	713/765	-	154	111	35
CVF5-10	499	241/293	740/790	-	154	111	36
CVF5-11	534	275/293	809/827	-	177	116	37
CVF5-12	561	275/293	836/854	-	177	116	38
CVF5-13	588	275/293	863/881	-	177	116	39
CVF5-14	615	275/293	890/908	-	177	116	40
CVF5-15	642	275/293	917/935	-	177	116	41
CVF5-16	669	275/293	944/962	-	177	116	42
CVF5-18	723	293	982	-	177	116	45
CVF5-20	777	293	1052	-	177	116	46
CVF5-22	851	305	1156	-	197	148	58
CVF5-24	905	305	1210	-	197	148	59
CVF5-26	959	305	1264	-	197	148	61
CVF5-29	1040	305	1345	-	197	148	63
CVF5-32	1146	390	1536	300	275	210	78
CVF5-36	1254	390	1644	300	275	210	80



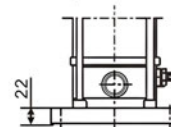
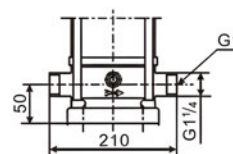
FGJ(DIN-ANSI-JIS)
PN25(DN32/DN25)



Cutting ferrule joion



Pipe thread



CVF 10

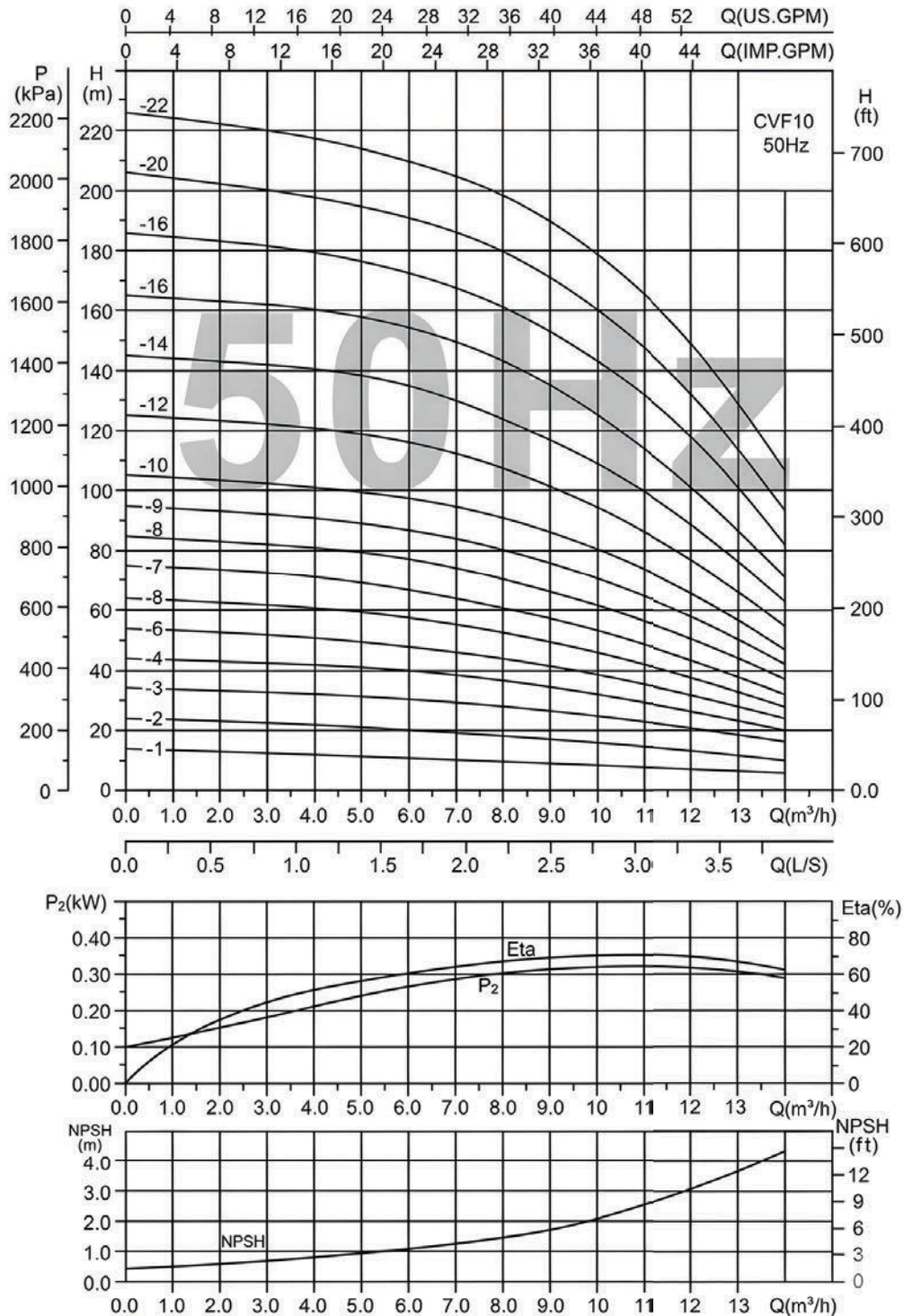
SPECIFICATIONS:

Type	P2		Flow Rate (Q)							
			m ³ /hr	2.0	4.0	6.0	8.0	10	12.0	14
	(HP)	(KW)	Head (H)							
CVF10-1	0.5	0.37	m	13	12	11	9.5	8.5	7	6
CVF10-2	1	0.75		23	22	20	18	16	13	10
CVF10-3	1.5	1.1		33	32	31	28	25	21	16
CVF10-4	2	1.5		43	42	40	37	32	27	20
CVF10-5	3	2.2		53	51	48	44	39	32	24
CVF10-6	3	2.2		62	61	58	53	46	38	28
CVF10-7	4	3.0		73	72	67	61	54	43	32
CVF10-8	4	3.0		83	81	78	71	62	51	37
CVF10-9	4	3.0		93	91	87	81	71	59	42
CVF10-10	5.5	4.0		104	101	98	91	81	67	47
CVF10-12	5.5	4.0		123	121	117	108	95	78	55
CVF10-14	7.5	5.5		143	141	136	124	110	90	63
CVF10-16	7.5	5.5		163	161	154	143	125	102	71
CVF10-18	10	7.5		183	179	173	161	144	118	82
CVF10-20	10	7.5		202	198	191	180	160	133	93
CVF10-22	10	7.5		222	217	209	198	178	149	106



CVF 10

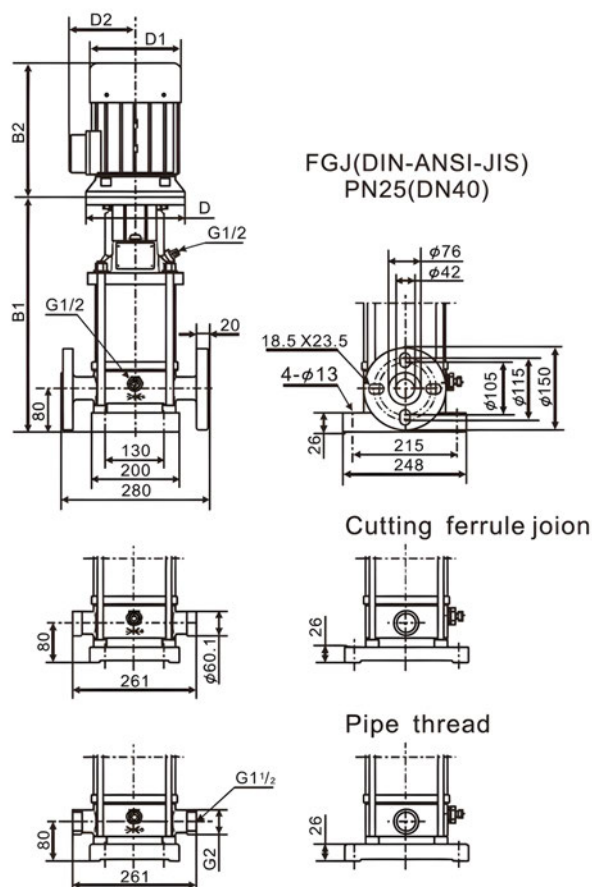
PERFORMANCE RANGE:



CVF 10

DIMENSIONS:

Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF10-1	319	205	524	-	133	102/124	33
CVF10-2	349	205	554	-	133	102/124	35
CVF10-3	385	241	626	-	154	111/133	38
CVF10-4	415	241/293	656/708	-	154/177	111/144.5	45
CVF10-5	453	275/293	728/746	-	177	116/144.5	48
CVF10-6	483	275/293	758/776	-	177	116/144.5	50
CVF10-7	513	293	788	-	177	116	55
CVF10-8	543	293	815	-	177	116	56
CVF10-9	573	293	845	-	177	116	57
CVF10-10	623	305	928	-	197	148	60
CVF10-12	683	305	988	-	197	148	63
CVF10-14	764	390	1154	300	275	210	93
CVF10-16	824	390	1214	300	275	210	95
CVF10-18	884	390	1274	300	275	210	120
CVF10-20	944	390	1334	300	275	210	123
CVF10-22	1004	390	1364	300	275	210	125



CVF 15

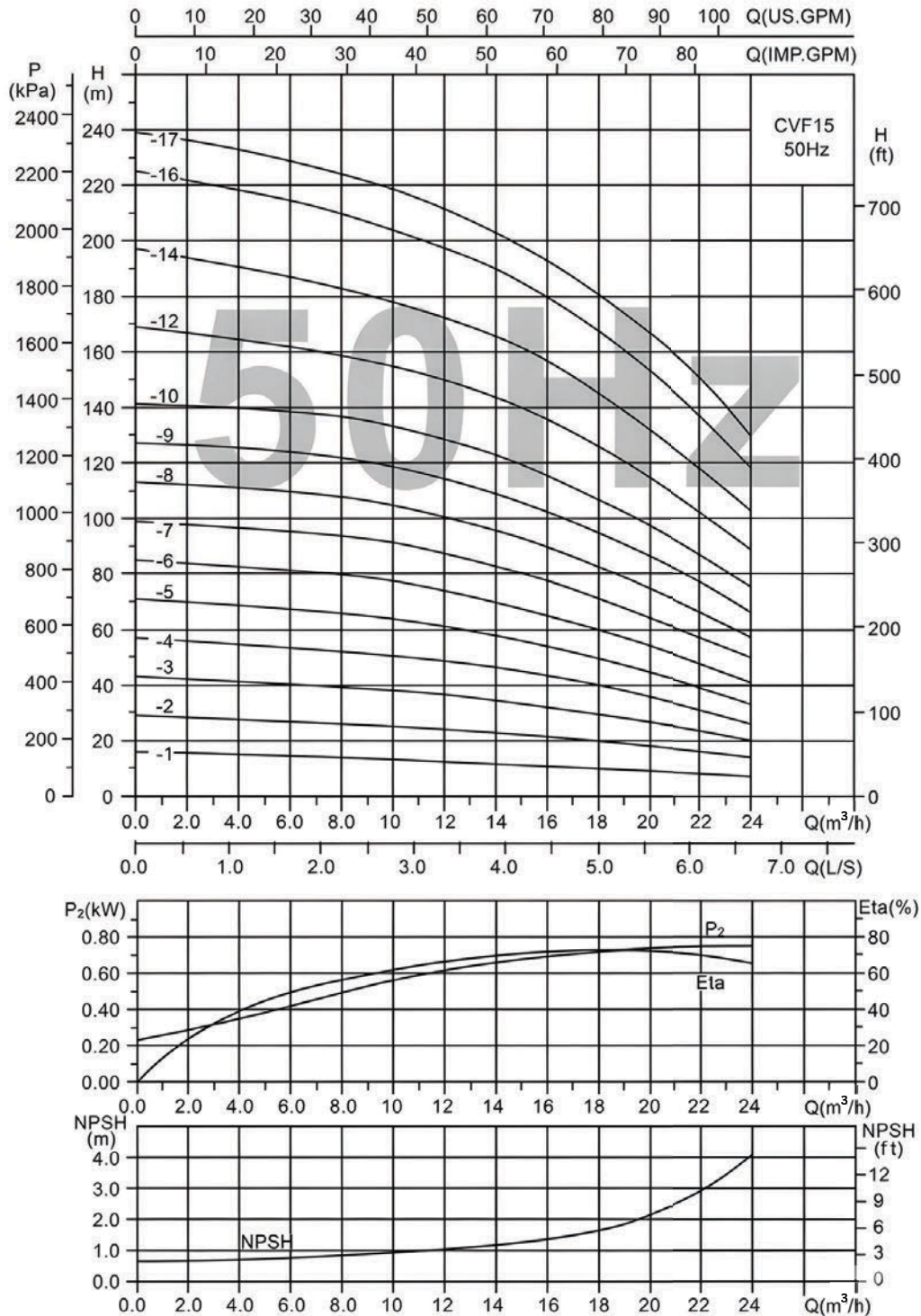
SPECIFICATIONS:

Type	P2		Flow Rate (Q)											
			m ³ /hr	8	10	12	14	15	16	18		20	22	24
	(HP)	(KW)	Head (H)											
CVF15-1	2	1.1	m	14	13	12	11.5	11	10.5	10		9	8	7
CVF15-2	3	2.2		26	25	24	23	22	21	20		18	16	14
CVF15-3	4	3		39	38	37	34	33	31	29		27	24	20
CVF15-4	5.5	4		52	50	48	46	44	43	40		36	31	26
CVF15-5	5.5	4		66	64	61	58	56	54	50		45	39	33
CVF15-6	7.5	5.5		80	78	75	70	67	65	60		54	47	41
CVF15-7	7.5	5.5		94	92	88	83	80	78	71		64	56	50
CVF15-8	10	7.5		108	105	101	96	93	90	83		75	66	57
CVF15-9	10	7.5		122	119	115	109	106	103	95		87	77	66
CVF15-10	15	11		136	133	128	123	120	116	107		98	86	76
CVF15-12	15	11		158	155	150	144	140	135	126		116	102	89
CVF15-14	15	11		183	178	172	165	162	156	145		133	118	103
CVF15-16	20	15.0		210	204	197	190	185	179	168		153	137	118
CVF15-17	20	15		224	218	212	203	198	193	181		166	151	129



CVF 15

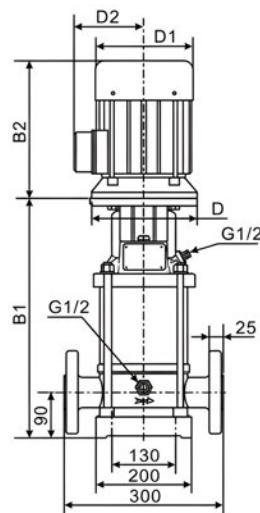
PERFORMANCE RANGE:



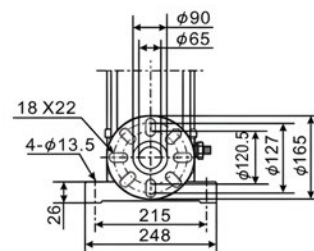
CVF 15

DIMENSIONS:

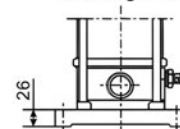
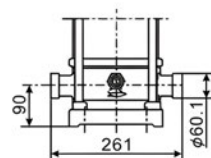
Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF15-1	350	241	591	—	154	111	40
CVF15-2	403	275/293	678/696	—	177	116	45
CVF15-3	448	293	723	—	177	116	50
CVF15-4	513	305	768	—	197	148	55
CVF15-5	558	305	863	—	197	148	58
CVF15-6	624	390	1014	300	275	210	90
CVF15-7	669	390	1059	300	275	210	93
CVF15-8	714	390	1104	300	275	210	97
CVF15-9	759	390	1149	300	275	210	98
CVF15-10	824	505	1325	350	330	255	140
CVF15-12	914	505	1415	350	330	255	144
CVF15-14	1004	505	1505	350	330	255	147
CVF15-16	1094	505	1595	350	330	255	148
CVF15-17	1139	505	1640	350	330	255	160



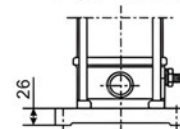
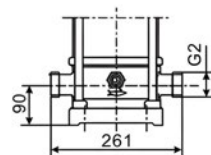
FGJ(DIN-ANSI-JIS)
PN16-25-40(DN50)



Cutting ferrule joion



Pipe thread



CVF 20

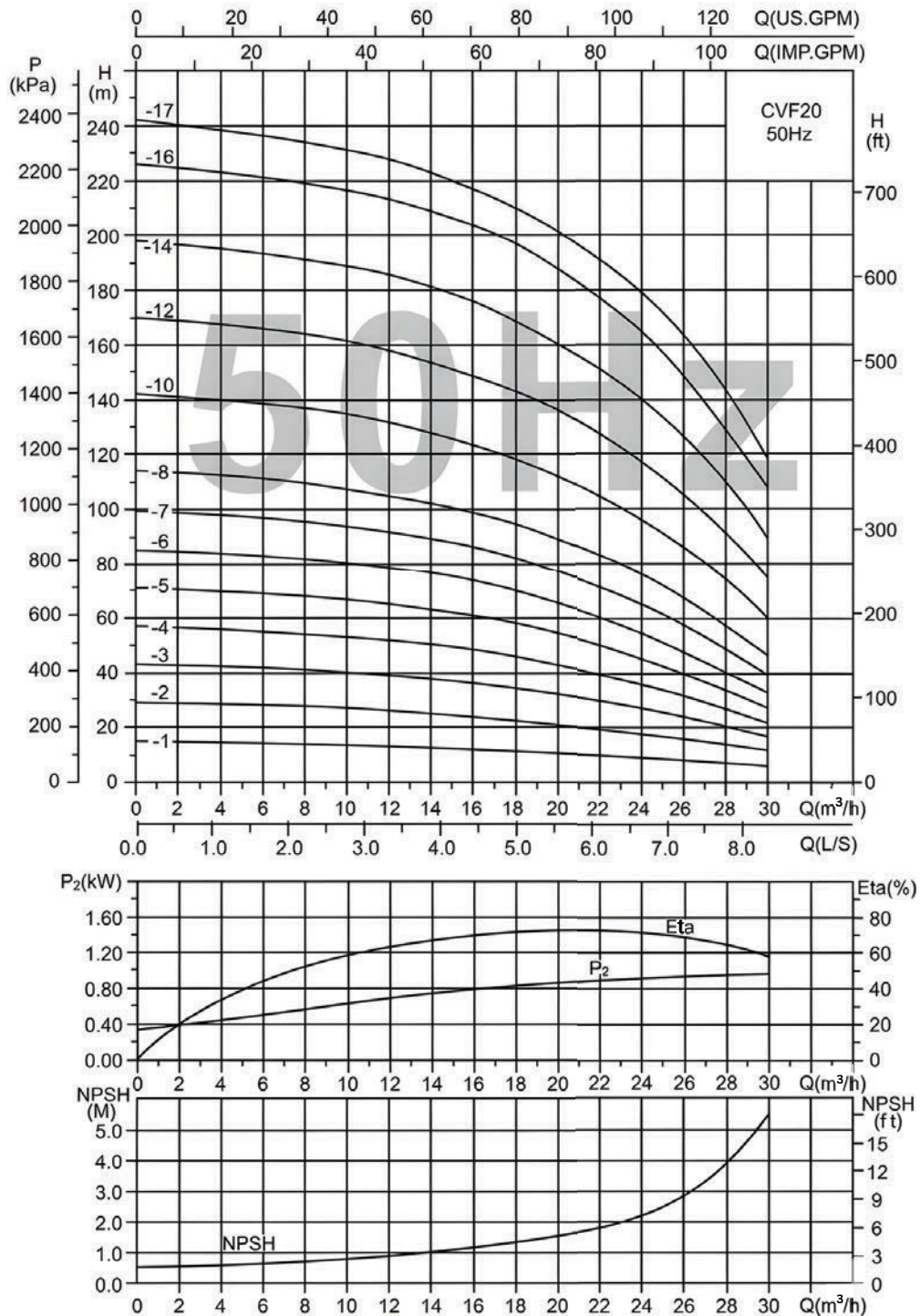
SPECIFICATIONS:

Type	P2		Flow Rate (Q)										
			m ³ /hr	8	10	12	14	16	18	20	24	26	28
	(HP)	(KW)	Head (H)										
CVF20-1	1.5	1.1	m	14	13.5	13	12.5	12	11.5	10.5	9	8	7
CVF20-2	3	2.2		28	27	26	25	24	22.5	21	18	16	14
CVF20-3	5.5	4		41	40	39	38	36	34	32	27	24	21
CVF20-4	7.5	5.5		54	53	52	51	50	46	43	36	32	27
CVF20-5	7.5	5.5		68	67	65	63	61	58	55	45	40	33
CVF20-6	10	7.5		82	80	78	77	73	70	66	55	48	40
CVF20-7	10	7.5		96	94	92	89	86	82	77	65	58	47
CVF20-8	15	11		110	107	104	102	99	95	89	76	67	56
CVF20-10	15	11		137	135	132	127	124	118	112	98	86	73
CVF20-12	20	15		164	162	158	154	149	142	136	118	106	90
CVF20-14	20	15		191	189	186	181	176	169	161	140	126	110
CVF20-16	25	18.5		219	217	214	208	203	198	186	164	147	129
CVF20-17	25	18.5		234	231	228	223	217	210	202	178	162	142



CVF 20

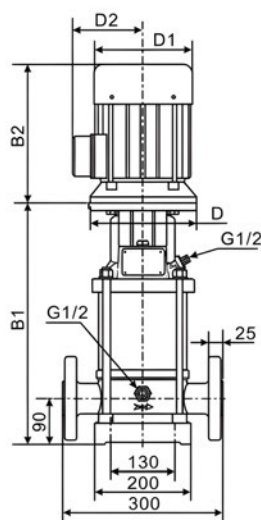
PERFORMANCE RANGE:



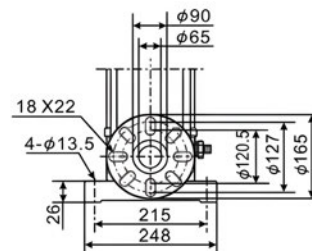
CVF 20

DIMENSIONS:

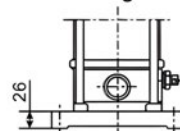
Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF20-1	350	241	591	-	154	111	40
CVF20-2	403	275/293	678/696	-	177	116	45
CVF20-3	468	305	773	300	197	148	55
CVF20-4	534	305	839	300	197	148	80
CVF20-5	579	390	969	300	275	210	83
CVF20-6	624	390	1014	300	275	210	87
CVF20-7	669	390	1059	300	275	210	90
CVF20-8	734	505	1239	350	330	255	130
CVF20-10	824	505	1329	350	330	255	136
CVF20-12	914	505	1419	350	330	255	145
CVF20-14	1004	505	1509	350	330	255	148
CVF20-16	1094	560	1654	350	330	255	168
CVF20-17	1139	560	1699	350	330	255	170



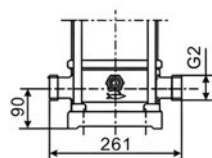
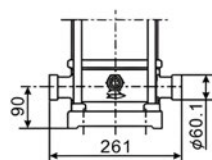
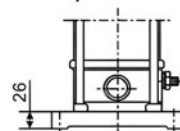
FGJ(DIN-ANSI-JIS)
PN16-25-40(DN50)



Cutting ferrule joir



Pipe thread



CVF 32

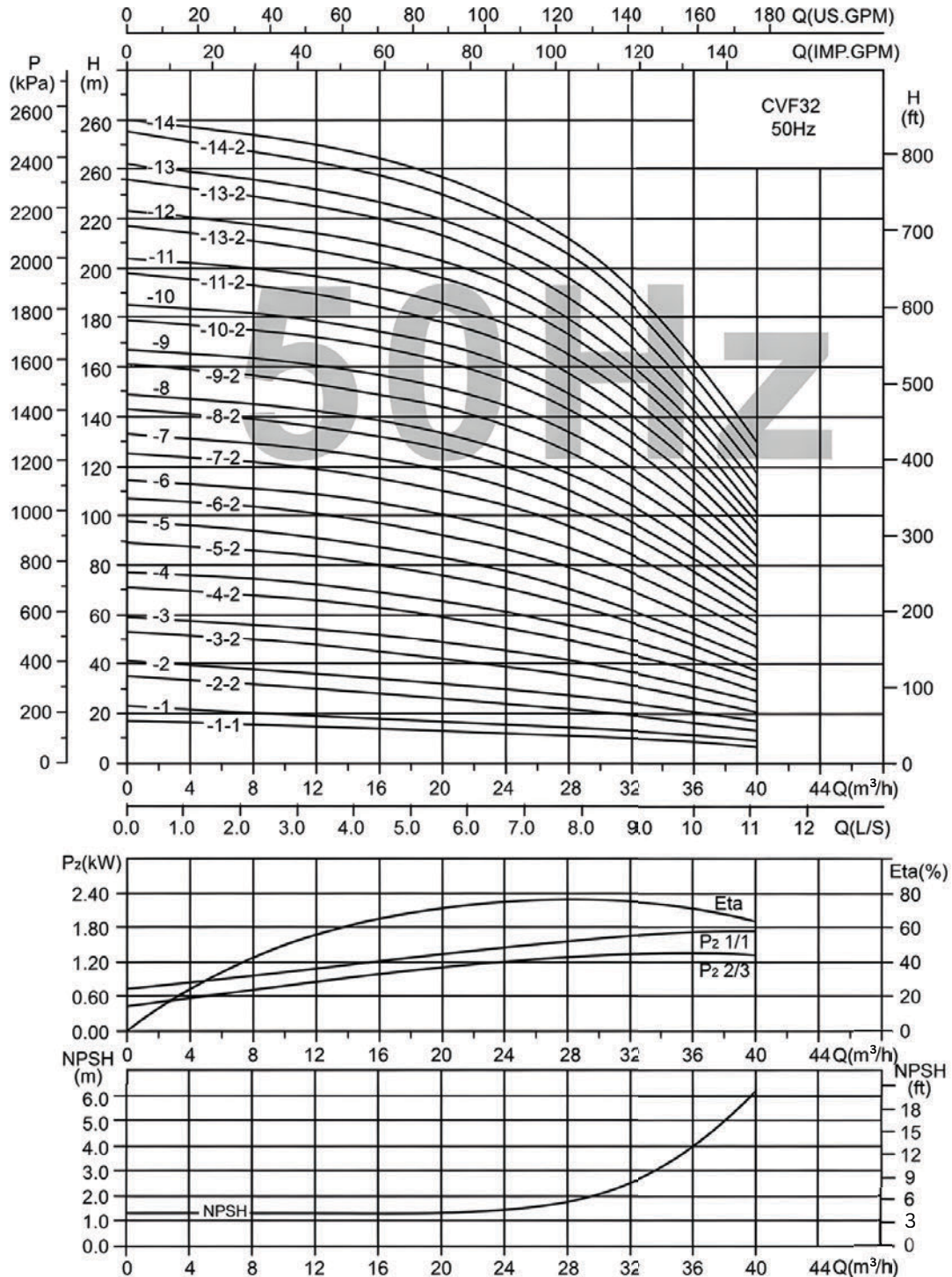
SPECIFICATIONS:

Type	P2		Flow Rate (Q)									
			m³/hr	12	16	20	24	28	30	32	36	40
	(HP)	(KW)	Head (H)									
CVF32-1-1	2	1.5	m	14.5	14	13	12	11	10.5	10	9	7
CVF32-1	3	2.2		19	18	16.5	15.5	14.5	14	13	11.5	9.5
CVF32-2-2	4	3		30	28	26	24	22	21	19	16	14
CVF32-2	5.5	4		36	34	32	30	27	26	24	21	17
CVF32-3-2	5.5	4		48	45	42	39	36	34	32	27	21
CVF32-3	7.5	5.5		54	52	49	46	42	39	37	31	25
CVF32-4-2	10	7.5		66	63	59	55	50	47	44	38	29
CVF32-4	10	7.5		72	69	66	62	56	53	50	42	34
CVF32-5-2	15	11		84	80	76	71	64	61	57	48	37
CVF32-5	15	11		91	87	83	78	71	66	62	53	42
CVF32-6-2	15	11		101	97	92	87	79	75	70	59	47
CVF32-6	15	11		109	105	101	95	87	83	77	65	52
CVF32-7-2	20	15		119	115	110	105	96	90	84	71	57
CVF32-7	20	15		127	123	118	112	103	97	91	78	61
CVF32-8-2	20	15		136	132	127	120	110	104	97	82	66
CVF32-8	20	15.0		143	139	134	126	117	111	104	88	70
CVF32-9-2	25	18.5		153	149	144	137	126	119	112	95	75
CVF32-9	25	18.5		161	157	152	145	134	126	119	102	80
CVF32-10-2	25	18.5		172	168	162	154	143	135	127	108	84
CVF32-10	25	18.5		179	174	169	162	149	142	134	114	88
CVF32-11-2	30	22		189	184	178	170	158	149	141	120	93
CVF32-11	30	22		197	192	186	178	165	157	148	126	97
CVF32-12-2	30	22		207	202	196	187	174	165	155	132	102
CVF32-12	30	22		214	210	203	194	180	171	161	137	107
CVF32-13-2	40	30		225	220	213	203	188	179	169	143	112
CVF32-13	40	30		232	227	220	210	197	187	177	150	118
CVF32-14-2	40	30		243	238	230	220	206	197	185	156	124
CVF32-14	40	30		250	245	237	227	212	203	192	163	130



CVF 32

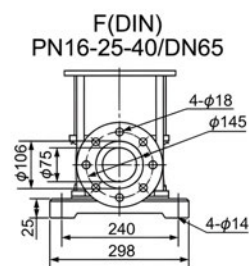
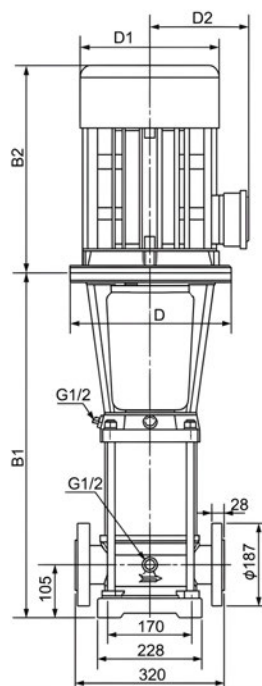
PERFORMANCE RANGE:



CVF 32

DIMENSIONS:

Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF32-1-1	455	241/293	696/748	-	154	111	60
CVF32-1	455	275/293	730/748	-	177	116	61
CVF32-2-2	525	293	800	-	177	116	75
CVF32-2	525	305	830	-	197	148	86
CVF32-3-2	595	305	900	-	197	148	105
CVF32-3	620	390	1010	300	275	210	105
CVF32-4-2	690	390	1080	300	275	210	116
CVF32-4	690	390	1080	350	275	210	117
CVF32-5-2	915	505	1420	350	330	255	170
CVF32-5	915	505	1420	350	330	255	171
CVF32-6-2	985	505	1490	350	330	255	176
CVF32-6	985	505	1490	350	330	255	176
CVF32-7-2	1055	505	1560	350	330	255	206
CVF32-7	1055	505	1560	350	330	255	207
CVF32-8-2	1125	505	1630	350	330	255	208
CVF32-8	1125	505	1630	350	330	255	209
CVF32-9-2	1195	560	1750	350	330	255	225
CVF32-9	1195	560	1750	350	330	255	226
CVF32-10-2	1265	560	1820	350	330	255	230
CVF32-10	1265	560	1820	350	330	255	231
CVF32-11-2	1335	590	1925	350	380	280	270
CVF32-11	1335	590	1925	350	380	280	271
CVF32-12-2	1405	590	1995	350	380	280	275
CVF32-12	1405	590	1995	350	380	280	276
CVF32-13-2	1475	660	2135	400	420	305	395
CVF32-13	1475	660	2135	400	420	305	395
CVF32-14-2	1525	660	2135	400	420	305	400
CVF32-14	1525	660	2135	400	420	305	400



CVF 45

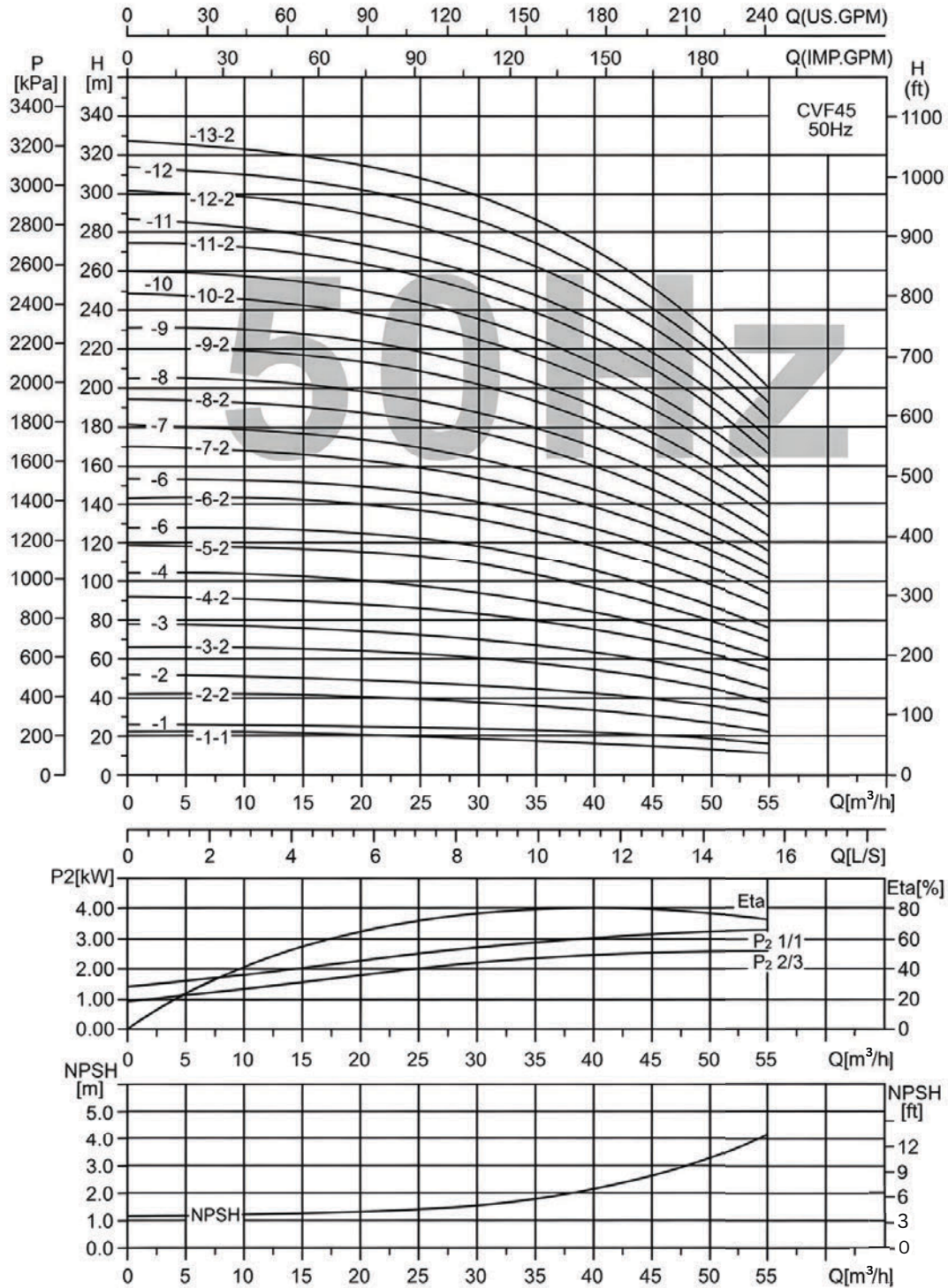
SPECIFICATIONS:

Type	P2		Flow Rate (Q)							
			m ³ /hr	25	30	35.0	40.0	45	50.0	55
	(HP)	(KW)	Head (H)							
CVF45-1-1	4	3	m	20	19	18	17	15	13	11
CVF45-1	5.5	4		24	23	22	21	19	18	16
CVF45-2-2	7.5	5.5		40	38	36	33	30	27	23
CVF45-2	10	7.5		48	46	44	42	39	35	31
CVF45-3-2	15	11		63	61	58	54	50	44	38
CVF45-3	15	11		72	70	67	63	58	53	45
CVF45-4-2	20	15		87	84	80	75	69	62	54
CVF45-4	20	15		98	94	87	84	77	70	61
CVF45-5-2	25	18.5		113	108	102	96	88	80	69
CVF45-5	25	18.5		123	118	112	105	97	88	77
CVF45-6-2	30	22		137	132	125	118	109	98	86
CVF45-6	30	22		147	141	135	127	118	107	94
CVF45-7-2	40	30.0		160	154	147	139	128	116	101
CVF45-7	40	30		169	164	156	147	136	124	109
CVF45-8-2	40	30		184	178	169	160	147	132	116
CVF45-8	40	30.0		194	189	180	168	155	141	124
CVF45-9-2	40	30.0		209	202	193	182	169	152	133
CVF45-9	50	37.0		219	212	203	191	177	161	141
CVF45-10-2	50	37.0		233	225	215	203	188	170	148
CVF45-10	50	37.0		245	236	225	212	196	179	156
CVF45-11-2	60	45.0		259	250	239	226	209	191	166
CVF45-11	60.0	45.0		267	259	248	235	217	198	174
CVF45-12-2	60.0	45.0		284	274	263	248	230	209	183
CVF45-12	60.0	45.0		295	286	273	259	239	219	192
CVF45-13-2	60.0	45.0		309	300	286	270	250	227	199



CVF 45

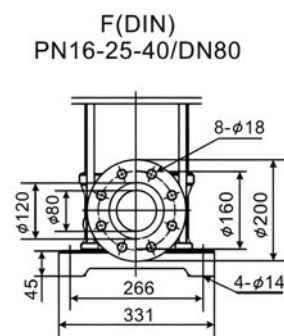
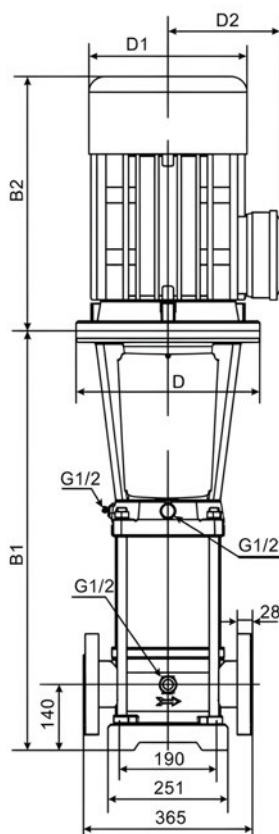
PERFORMANCE RANGE:



CVF 45

DIMENSIONS:

Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF45-1-1	561	293	876	-	197	165	86
CVF45-1	561	315	876	-	260	165	86
CVF45-2-2	641	430	1071	300	260	208	102
CVF45-2	641	430	1071	300	330	208	102
CVF45-3-2	826	490	1316	350	330	255	175
CVF45-3	826	490	1316	350	330	255	175
CVF45-4-2	906	490	1396	350	330	255	187
CVF45-4	906	490	1396	350	330	255	187
CVF45-5-2	986	550	1536	350	330	255	208
CVF45-5	986	550	1536	350	330	255	208
CVF45-6-2	1066	590	1656	350	360	285	251
CVF45-6	1066	590	1656	350	360	285	251
CVF45-7-2	1146	660	1806	400	420	310	315
CVF45-7	1146	660	1806	400	420	310	315
CVF45-8-2	1226	660	1886	400	420	310	319
CVF45-8	1226	660	1886	400	420	310	319
CVF45-9-2	1306	660	1966	400	420	310	323
CVF45-9	1306	660	1966	400	420	310	323
CVF45-10-2	1386	660	2046	400	420	310	347
CVF45-10	1386	660	2046	400	420	310	347
CVF45-11-2	1466	700	2166	450	470	345	413
CVF45-11	1466	700	2166	450	470	345	413
CVF45-12-2	1546	700	2246	450	470	345	417
CVF45-12	1546	700	2246	450	470	345	417
CVF45-13-2	1626	700	2326	450	470	345	421



CVF 64

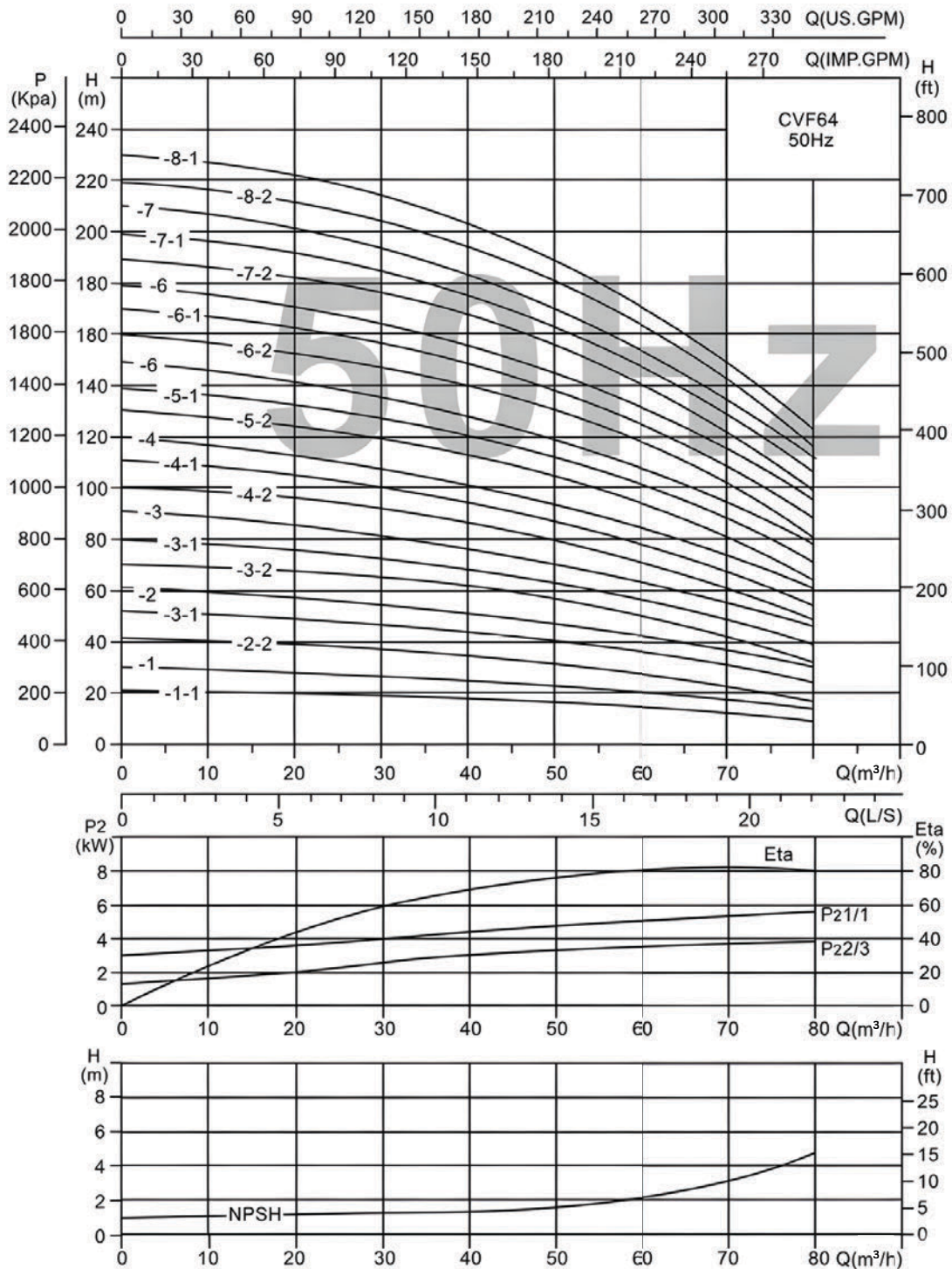
SPECIFICATIONS:

Type	P2		Flow Rate (Q)							
			m ³ /hr	30	40	50.0	60.0	64	70.0	80
	(HP)	(KW)	Head (H)							
CVF64-1-1	5.5	4	m	19	18	16	14	13	11.5	9
CVF64-1	7.5	5.5		27	25	23	20	19	17	14
CVF64-2-2	10	7.5		37	35	32	28	26	23	17
CVF64-2-1	15	11		47	44	40	36	34	30	24
CVF64-2	15	11		55	51	47	42	40	37	30
CVF64-3-2	20	15		66	62	56	50	46	41	32
CVF64-3-1	20	15		73	69	63	56	53	48	39
CVF64-3	25	18.5		81	76	70	64	60	55	46
CVF64-4-2	25	18.5		92	87	80	71	66	60	49
CVF64-4-1	30	22		100	94	87	78	73	67	54
CVF64-4	30	22		107	101	94	85	80	74	61
CVF64-5-2	40	30		119	113	105	95	89	80	64
CVF64-5-1	40	30.0		128	121	112	102	96	87	71
CVF64-5	40	30		136	129	119	109	103	94	78
CVF64-6-2	40	30		147	140	130	118	112	101	81
CVF64-6-1	35	37.0		157	149	138	125	118	108	88
CVF64-6	35	37.0		164	156	145	132	125	115	95
CVF64-7-2	35	37.0		176	167	156	140	133	121	99
CVF64-7-1	35	37.0		185	176	163	147	140	128	106
CVF64-7	60	45.0		193	183	170	155	147	135	112
CVF64-8-2	60	45.0		204	194	181	146	155	142	116
CVF64-8-1	60.0	45.0		214	203	189	170	162	149	123



CVF 64

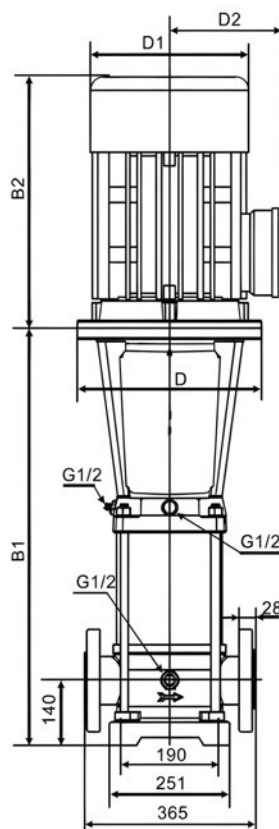
PERFORMANCE RANGE:



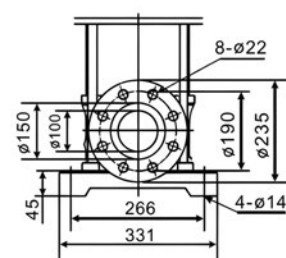
CVF 64

DIMENSIONS:

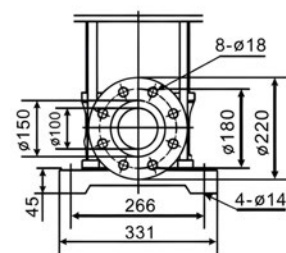
Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF64-1-1	561	335	896	-	230	188	105
CVF64-1	561	430	991	300	260	208	110
CVF64-2-2	644	430	1074	300	260	208	120
CVF64-2-1	754	490	1244	350	330	255	155
CVF64-2	754	490	1244	350	330	255	155
CVF64-3-2	836	490	1326	350	330	255	195
CVF64-3-1	836	490	1326	350	330	255	195
CVF64-3	836	550	1386	350	330	255	205
CVF64-4-2	919	550	1469	350	330	255	208
CVF64-4-1	919	590	1509	350	360	285	260
CVF64-4	919	660	1509	350	360	285	260
CVF64-5-2	1001	660	1661	400	420	310	345
CVF64-5-1	1001	660	1661	400	420	310	345
CVF64-5	1001	660	1661	400	420	310	345
CVF64-6-2	1084	660	1744	400	420	310	350
CVF64-6-1	1084	660	1744	400	420	310	370
CVF64-6	1084	660	1744	400	420	310	370
CVF64-7-2	1166	660	1826	400	420	310	375
CVF64-7-1	1166	660	1826	400	420	310	375
CVF64-7	1166	700	1688	450	420	310	435
CVF64-8-2	1248	700	1948	450	470	345	440
CVF64-8-1	1248	700	1948	450	470	345	440



F(DIN)
PN25-40/DN100



F(DIN)
PN16/DN100



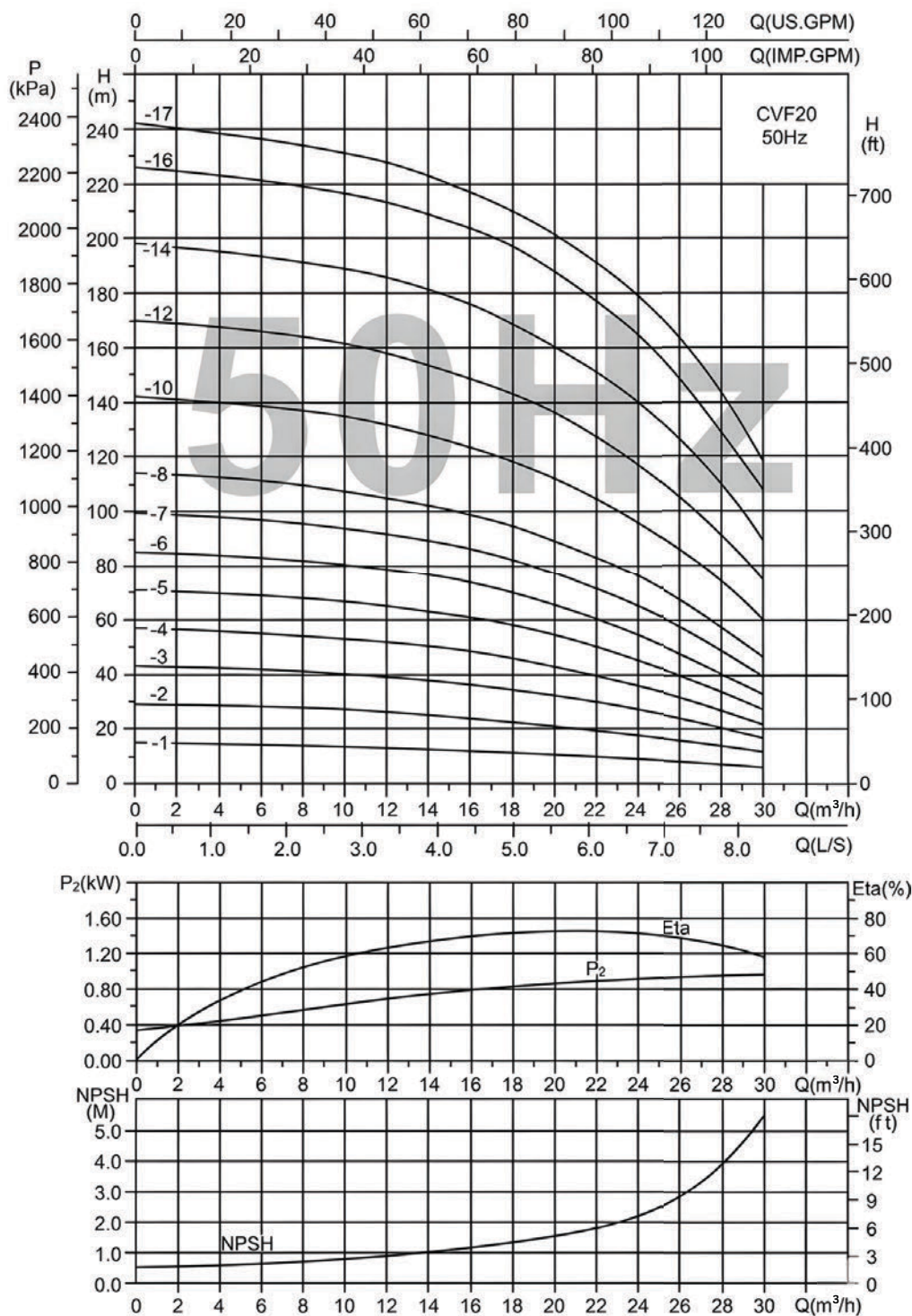
CVF 90

SPECIFICATIONS:

Type	P2		Flow Rate (Q)								
			m ³ /hr	50	60	70.0	80.0	85	90.0	100	110
	(HP)	(KW)	Head (H)								
CVF90-1-1	7.5	5.5	m	22	20	18	16	15	13	10	6
CVF90-1	10	7.5		30	27	25	23	21	19	15	11
CVF-90-2-2	15	11		41	39	36	32	30	28	22	15
CVF90-2	20	15		56	53	49	45	43	40	35	30
CVF90-3-2	25	18.5		68	65	60	55	52	49	41	33
CVF-90-3	30	22		83	79	73	67	64	61	54	47
CVF90-4-2	40	30		98	93	87	80	76	72	62	50
CVF90-4	40	30		110	105	100	92	88	84	85	65
CVF90-5-2	50	37		126	120	113	105	100	95	83	68
CVF90-5	50	37		140	133	126	117	113	107	95	83
CVF90-6-2	60	45		155	148	139	129	124	118	104	87
CVF90-6	60	45		168	160	151	141	135	130	117	103

CVF 90

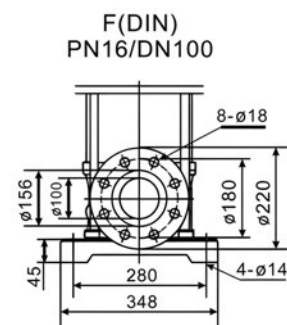
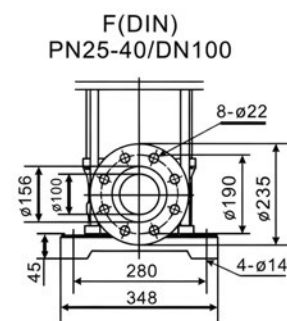
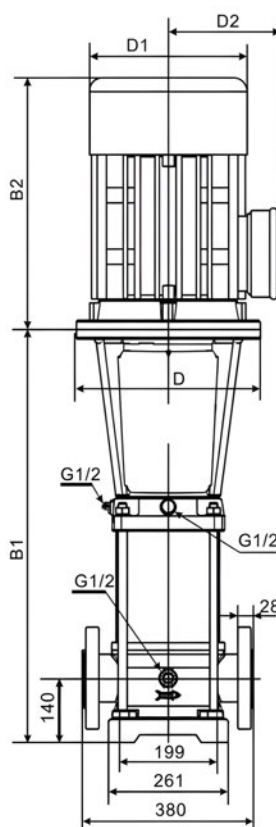
PERFORMANCE RANGE:



CVF 90

DIMENSIONS:

Model	Dimensions (mm)						N.W(Kg)
	B1	B2	B1+B2	D	D1	D2	
CVF90-1-1	571	430	1001	300	260	208	120
CVF90-1	571	430	1001	300	260	208	122
CVF-90-2-2	773	490	1263	350	330	255	165
CVF90-2	773	490	1263	350	330	255	198
CVF90-3-2	865	550	1415	350	330	255	212
CVF-90-3	865	590	1455	350	360	285	265
CVF90-4-2	957	660	1417	400	420	310	348
CVF90-4	957	660	1617	400	420	310	348
CVF90-5-2	1049	660	1709	400	420	310	375
CVF90-5	1049	660	1709	400	420	310	375
CVF90-6-2	1141	700	1841	450	470	345	438
CVF90-6	1141	700	1841	450	470	345	438





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