



**Vertical Multistage
Centrifugal In-line
pump catalog**



VPS-VPC

Vertical Multistage Centrifugal In-line pumps

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Vertical Multistage Centrifugal In-line Pumps Liquid End only

VPS - VPC



The VPC and VPS pumps are non-self priming vertical multistage pump with in-line design with flanges.

The stages are made of stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft are directly close coupled. All pump are equipped with a cartridge type mechanical seal for easy maintenance.

VPC and VPS series have different pump sizes and various numbers of stages to provide the flow and the pressure required.

Applications

Water Supply and Pressure Boosting

Pressure boosting in buildings, hotels, residential applications
Pressure booster stations, supply of water networks
Pressure boosting for industrial water supply

Light industry

Washing and cleaning systems
Car washing facilities
Fire fighting systems
Process water systems
Machine tools (cooling lubricants)

Heating, Ventilation and Air-Conditioning

Boilers
Induction heating
Heat exchangers
Refrigerators
Cooling towers and systems
Temperature control systems

Irrigation and Agriculture

Greenhouses
Sprinkler irrigation

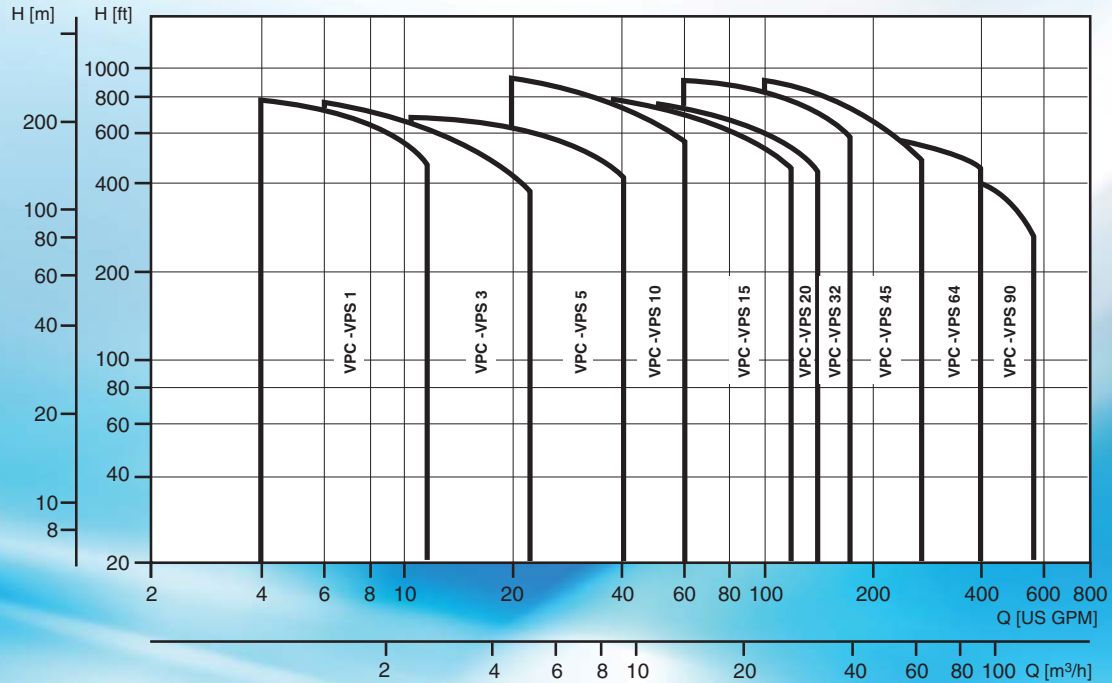
Water Treatment

Water softeners and de-mineralization
Reverse Osmosis systems
Distillation systems
Filtration
Ultra-filtration systems

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VPS - VPC Series

Performance Range 60 Hz

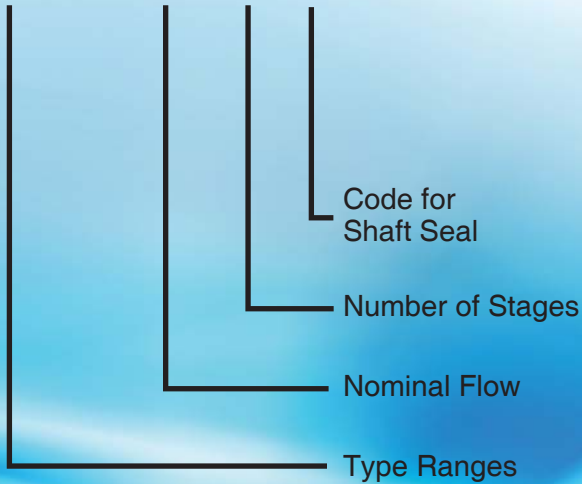


Product Data

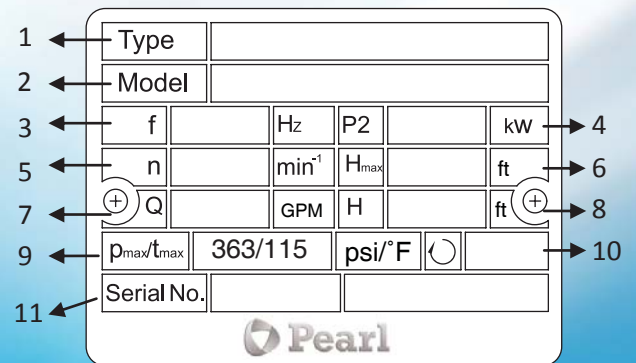
SERIES	VPC & VPS SERIES									
	1	3	5	10	15	20	32	45	64	90
60 Hz										
Nominal Flow [gpm]	9	17	30	50	90	120	160	225	300	450
Flow Range [gpm]	4 - 12	6 - 22	14 - 36	20 - 60	30 - 120	50 - 140	80 - 180	100 - 300	140 - 400	200 - 500
Max Pressure [psi]	333	330	327	347	333	291	383	369	252	225
Fluid temperature [F]	5 to 240									
Motor Power [HP]	0.5 - 5	0.5 - 5	0.75 - 10	1 - 15	2 - 25	3 - 25	3 - 30	7.5 - 60	10 - 60	15 - 60
VERSION										
VPC: Cast Iron and Stainless Steel AISI 304	•	•	•	•	•	•	•	•	•	•
VPS: Cast Iron and Stainless Steel AISI 304	•	•	•	•	•	•	•	•	•	•
PIPE CONNECTION										
Flange [plg]	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"	2"	2 1/2"	3"	4"	4"
MECHANICAL SEALS										
SiC/SiC	STANDARD									
SEALS										
EPDM	STANDARD									
VITON	STANDARD									

Identification Code

VPC/VPS 5 16 SQQE



Pump Nameplate Information



1. Pump Type – Seal Type
2. Pump Model
3. Frequency
4. Rated Power
5. Speed
6. Maximum Head
7. Capacity
8. Head Range
9. Maximum Operating Pressure
10. Rotating Direction
11. Serial Number

Mechanical Seal

Standard Cartridge type mechanical seal made of Silicon Carbide/Silicon Carbide/ EPDM or Viton. Based on the type of application, alternative materials are available for the seal and the elastomers. The cartridge type mechanical seal can be replaced in minutes without special tools and without disassembling the pump.



LIST OF MATERIALS

Q : Silicon carbide	E : EPDM
U : Tungsten carbide	V : Viton
B : Carbon	

TYPE OF SEAL

SEAL TYPE	VPC	VPS
Mechanical Seals		
S : Cartridge seal	•	•
QQ	•	•
UU	Optional	Optional
QB	Optional	Optional
UB	Optional	Optional
Seals		
E	•	•
V	•	•



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VPS - VPC

Maximum Operating Pressures

	STAGES	MAXIMUM OPERATING PRESSURE [PSI]
VPS-VPC 1	2-27	350
VPS-VPC 3	2-25	350
VPS-VPC 5	2-24	350
VPS-VPC 10	1-10	230
	12-17	350
VPS-VPC 15	1-8	230
	9-12	350
VPS-VPC 20	1-7	230
	8-10	350
VPS-VPC 32	(1-1)-5	230
	(6-2)-(10-2)	425
VPS-VPC 45	(1-1)-4	230
	(5-2)-7	425
VPS-VPC 64	(1-1)-3	230
	(4-2)-(5-2)	425
VPS-VPC 90	(1-1)-3	230
	(4-2)	425

Maximum Inlet Pressures

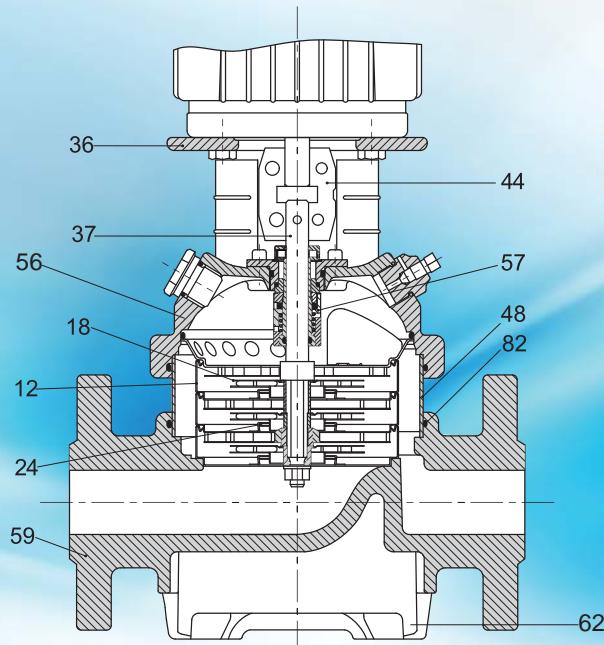
	STAGES	MAXIMUM INLET PRESSURES [PSI]
VPS-VPC 1	2-25	142
	27	210
VPS-VPC 3	2-15	142
	17-25	210
VPS-VPC 5	2-9	142
	10-24	210
VPS-VPC 10	1-5	110
	6-18	142
VPS-VPC 15	1-2	110
	3-12	142
VPS-VPC 20	1	110
	2-10	142
VPS-VPC 32	(1-1)-(2)	55
	(3-2)-(6)	142
	(7-2)-(10-2)	210
VPS-VPC 45	(1-1)-1	55
	(2-2)-3	142
	(4-2)-7	210
VPS-VPC 64	(1-1)	55
	1-(2-1)	142
	2-(5-2)	210
VPS-VPC 90	(1-1)-(2-2)	142
	(2-1)-(4-2)	210

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VPS - VPC

Construction

VPC/VPS - 1,3,5,10,15,20

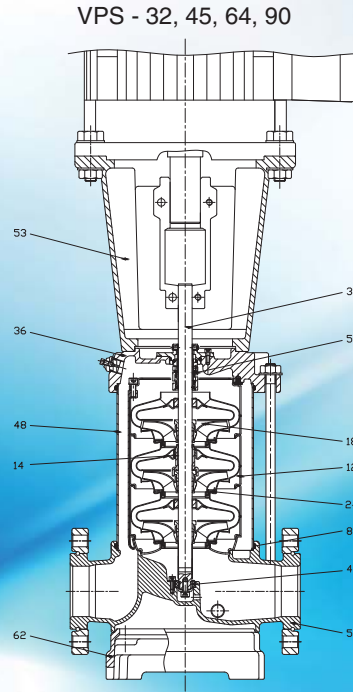
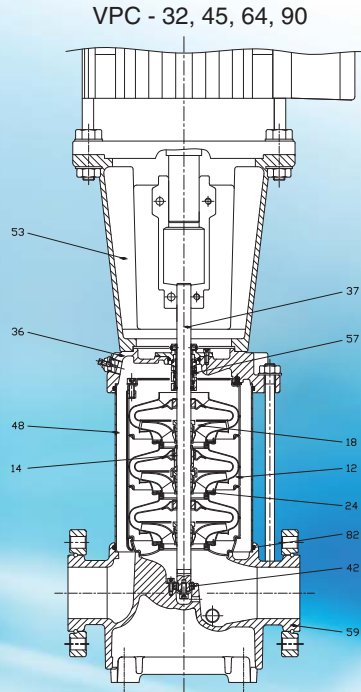


POS.	NAME	MATERIAL	VPC 1, 3, 5, 10, 15, 20	VPS 1, 3, 5, 10, 15, 20
			STANDARD	STANDARD
36	Pump head	Cast iron	ASTM 25B	ASTM 65-45-12
56	Pump head cover	Stainless steel	N/A	AISI 304
18	Impeller	Stainless steel	AISI 304	AISI 304
37	Shaft	Stainless steel	AISI 431	AISI 431
48	Outer Sleeve	Stainless steel	AISI 304	AISI 304
82	O-ring for outer sleeve	EPDM	Depends on the application	
12	Chamber	Stainless steel	AISI 304	AISI 304
24	Neck ring	PTFE		
59	Base	Cast iron	ASTM 25B	N/A
	Base	Stainless steel	N/A	AISI 304
62	Base plate	Cast iron	N/A	ASTM 25B
44	Coupling	Fe-Cu-C	MPIF FC0525	MPIF FC0525
57	Mechanical seal	Cartridge type	Depends on the application	

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VPS - VPC

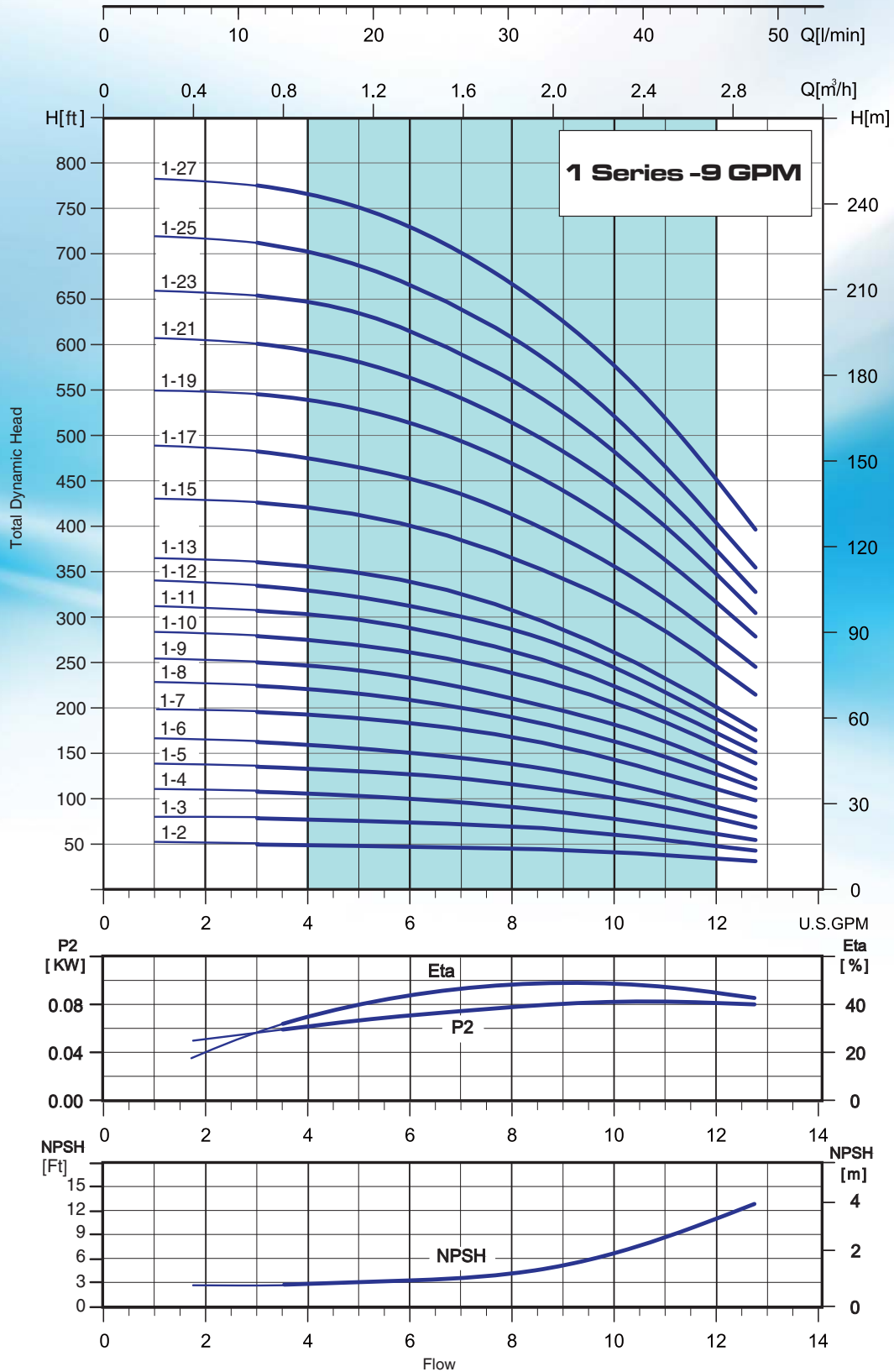
Construction



POS.	NAME	MATERIAL	VPC 32, 45, 64, 90	VPS 32, 45, 64, 90
			STANDARD	STANDARD
36	Pump head	Cast Iron	ASTM 35B	
		Stainless steel		AISI 304
53	Motor Bracket	Cast Iron	ASTM 35B	ASTM 35B
18	Impeller	Stainless steel	AISI 304	AISI 304
37	Shaft	Stainless steel	AISI 431	AISI 431
48	Outer Sleeve	Stainless steel	AISI 304	AISI 304
82	O-ring for outer sleeve	EPDM	Depends on the application	
12	Chamber	Stainless steel	AISI 304	AISI 304
24	Neck ring	Carbon Fiber + POB + PTFE	Depends on the application	
59	Base	Cast iron	ASTM 35B	N/A
	Base	Stainless steel	N/A	AISI 304
62	Base plate	Cast iron	N/A	ASTM 35B
57	Mechanical Seal	Cartridge type	Depends on the application	
14	Bearing ring	Cartridge type	Bronze	
42	Bottom bearing ring	Tungsten carbide/ Tungsten carbide	Depends on the application	

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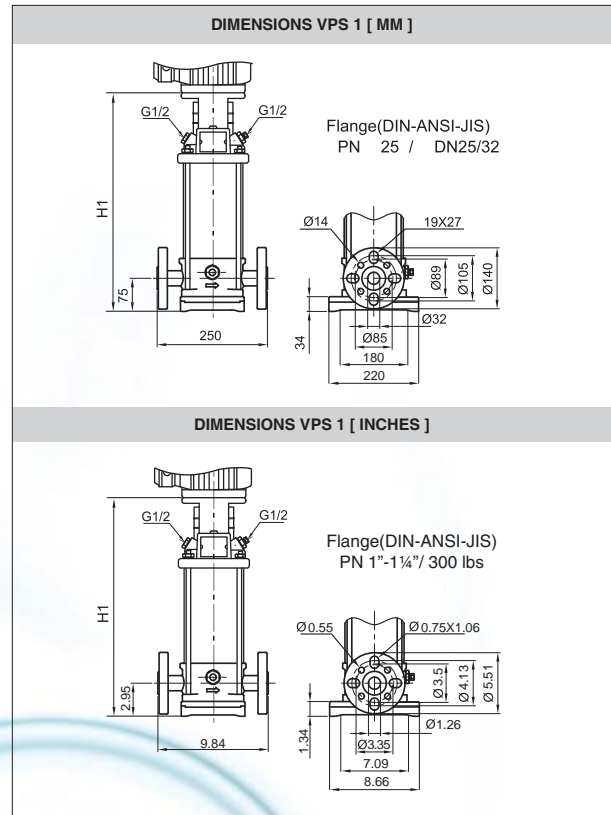
VPS - VPC 1



Vertical Multistage Centrifugal In-line Pumps Liquid End only

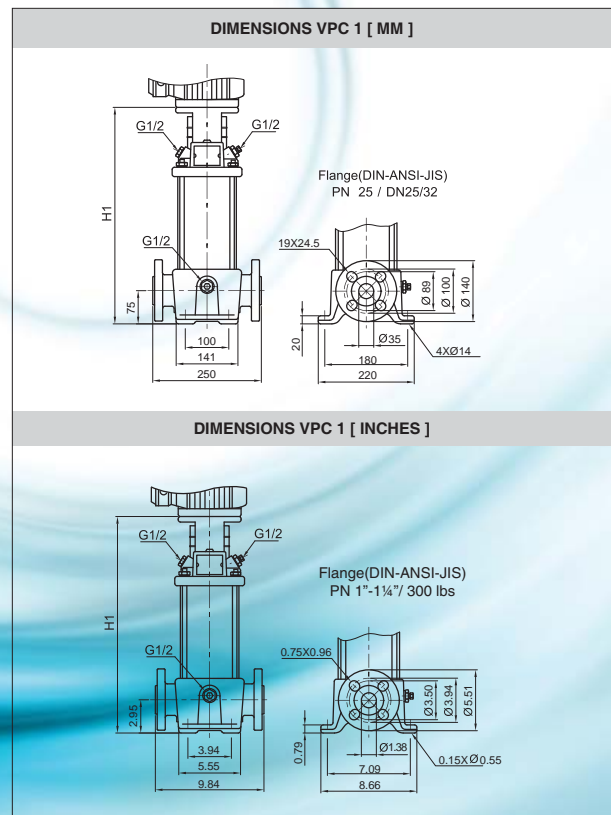
Dimensions and weights VPS 1

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 1-2	0.5	11.1	282	27.63	12.5
VPS 1-3	0.5	11.1	282	29.84	13.5
VPS 1-4	0.5	11.8	300	29.84	13.5
VPS 1-5	0.75	12.5	318	32.05	14.5
VPS 1-6	0.75	13.2	336	32.05	14.5
VPS 1-7	1	14.2	360	36.02	16.3
VPS 1-8	1	14.9	378	38.23	17.3
VPS 1-9	1	15.6	396	38.23	17.3
VPS 1-10	1.5	16.3	414	39.56	17.9
VPS 1-11	1.5	17.0	432	40.00	18.1
VPS 1-12	1.5	17.7	450	40.00	18.1
VPS 1-13	1.5	18.4	468	42.21	19.1
VPS 1-15	2	20.5	520	45.53	20.6
VPS 1-17	2	21.9	556	46.63	21.1
VPS 1-19	3	23.3	592	48.18	21.8
VPS 1-21	3	24.7	628	49.95	22.6
VPS 1-23	3	26.1	664	51.49	23.3
VPS 1-25	3	27.6	700	53.26	24.1
VPS 1-27	4	29.2	741	55.91	25.3



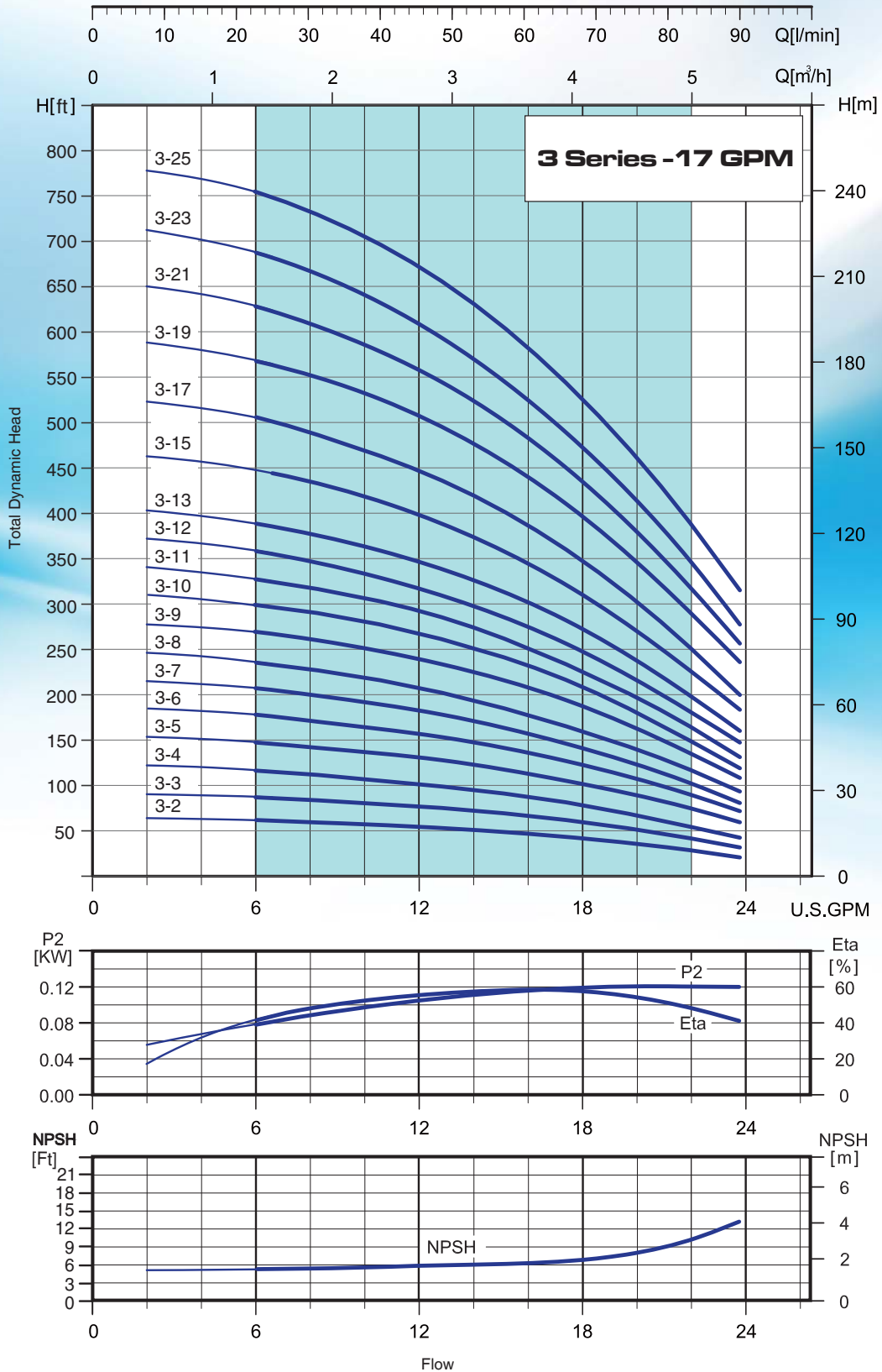
Dimensions and weights VPC 1

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 1-2	0.5	10.98	279	34.26	15.5
VPC 1-3	0.5	10.98	279	34.26	15.5
VPC 1-4	0.5	11.69	297	34.26	15.5
VPC 1-5	0.75	12.40	315	36.47	16.5
VPC 1-6	0.75	13.11	333	38.68	17.5
VPC 1-7	1	14.06	357	40.44	18.3
VPC 1-8	1	14.76	375	40.44	18.3
VPC 1-9	1	15.47	393	41.77	18.9
VPC 1-10	1.5	16.18	411	42.21	19.1
VPC 1-11	1.5	16.89	429	44.42	20.1
VPC 1-12	1.5	17.60	447	44.42	20.1
VPC 1-13	1.5	18.31	465	44.42	20.1
VPC 1-15	2	20.35	517	48.84	22.1
VPC 1-17	2	21.77	553	50.61	22.9
VPC 1-19	3	23.19	589	52.38	23.7
VPC 1-21	3	24.61	625	53.92	24.4
VPC 1-23	3	26.02	661	55.69	25.2
VPC 1-25	3	27.44	697	57.24	25.9
VPC 1-27	4	29.02	737	60.55	27.4



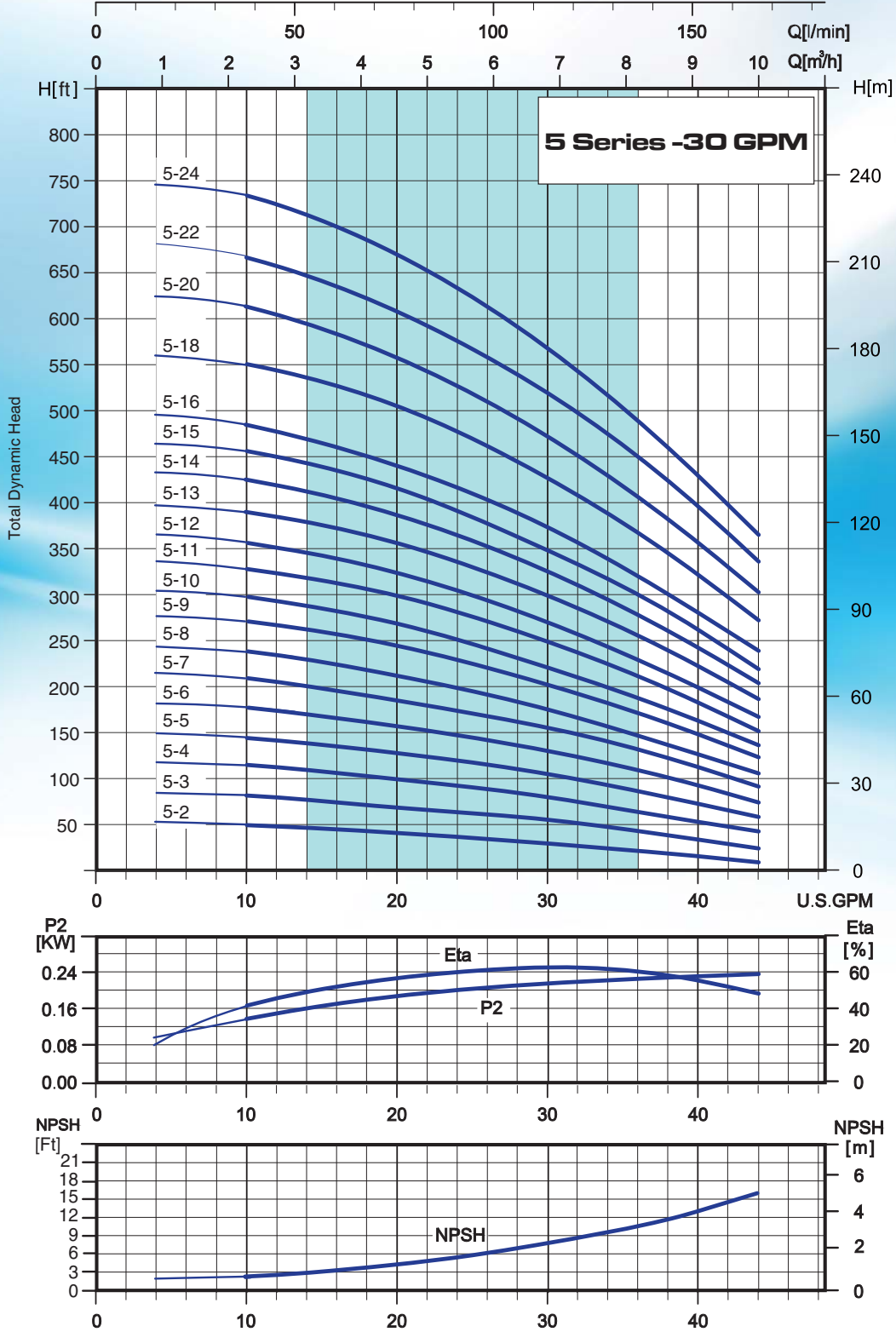
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VPS - VPC 3



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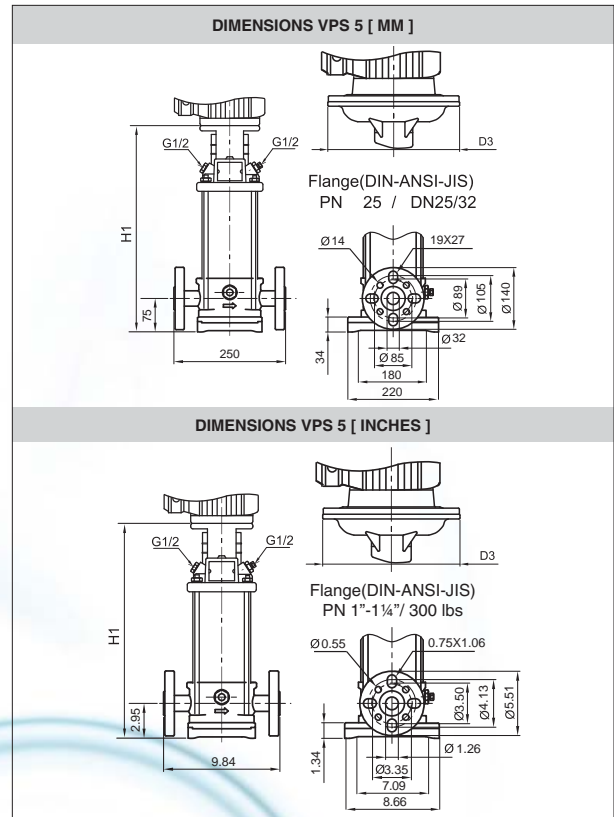
VPS - VPC 5



Vertical Multistage Centrifugal In-line Pumps Liquid End only

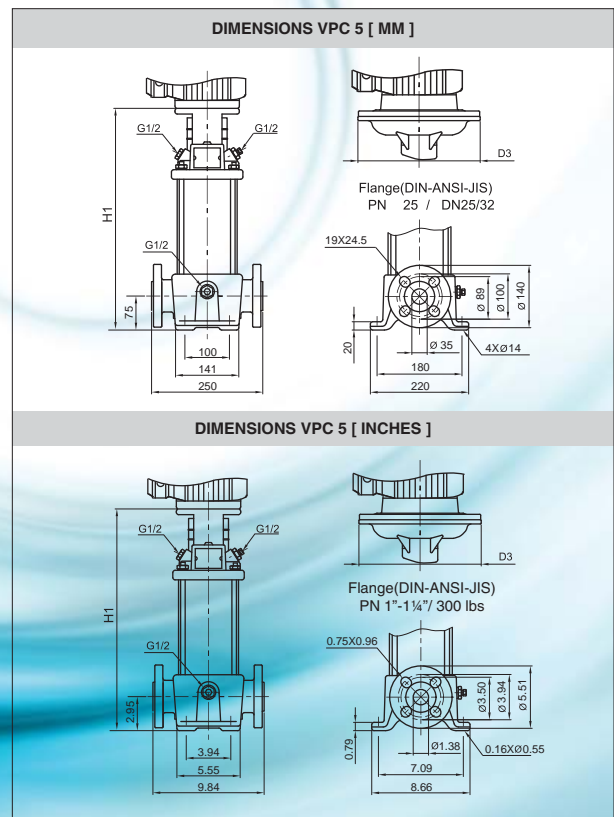
Dimensions and weights VPS 5

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 5-2	0.75	11.1	282	29.84	13.5
VPS 5-3	1.5	12.4	315	33.37	15.1
VPS 5-4	1.5	13.5	342	35.58	16.1
VPS 5-5	2	15.2	385	38.23	17.3
VPS 5-6	3	16.2	412	39.34	17.8
VPS 5-7	3	17.3	439	40.44	18.3
VPS 5-8	3	18.3	466	41.77	18.9
VPS 5-9	3	19.4	493	43.10	19.5
VPS 5-10	4	20.7	525	45.31	20.5
VPS 5-11	4	21.7	552	46.63	21.1
VPS 5-12	4	22.8	579	47.74	21.6
VPS 5-13	5.5	23.9	606	49.06	22.2
VPS 5-14	5.5	24.9	633	50.39	22.8
VPS 5-15	5.5	26.0	660	51.71	23.4
VPS 5-16	5.5	27.0	687	52.82	23.9
VPS 5-18	7.5	30.3	770	65.64	29.7
VPS 5-20	7.5	32.4	824	68.29	30.9
VPS 5-22	7.5	34.6	878	70.72	32
VPS 5-24	10	36.7	932	73.37	33.2



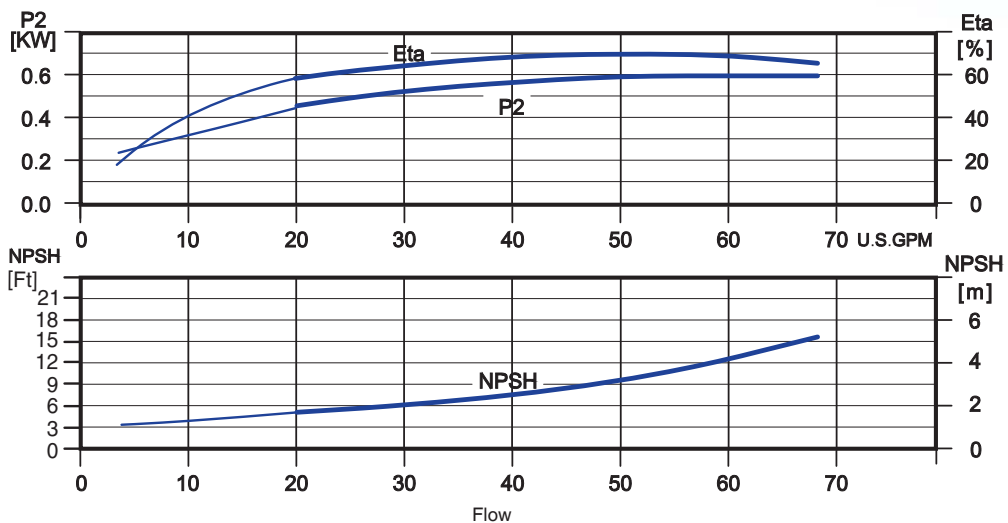
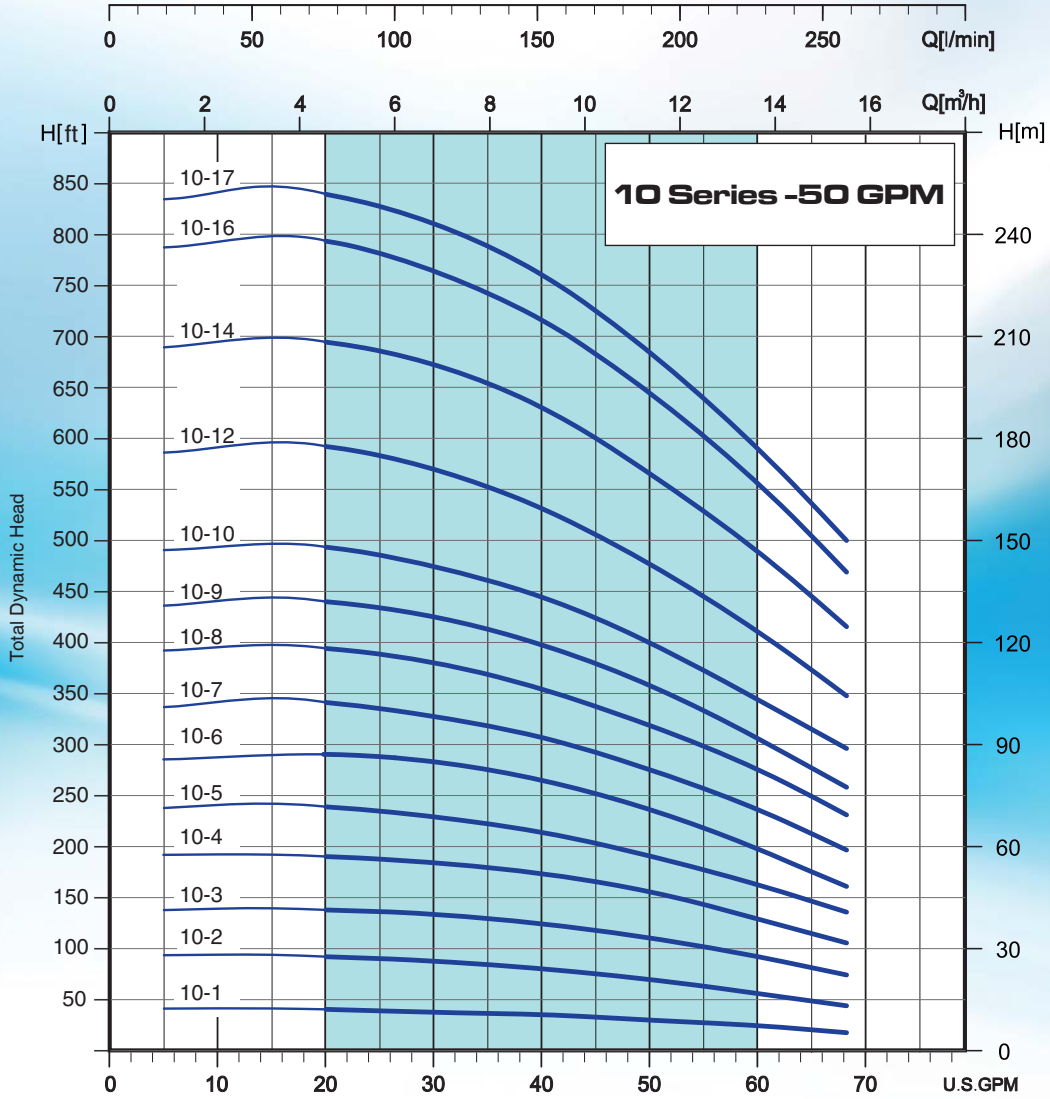
Dimensions and weights VPC 5

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 5-2	0.75	10.98	279	34.26	15.5
VPC 5-3	1.5	12.28	312	37.79	17.1
VPC 5-4	1.5	13.35	339	37.79	17.1
VPC 5-5	2	15.04	382	42.21	19.1
VPC 5-6	3	16.10	409	43.54	19.7
VPC 5-7	3	17.17	436	44.64	20.2
VPC 5-8	3	18.23	463	45.97	20.8
VPC 5-9	3	19.29	490	47.07	21.3
VPC 5-10	4	20.51	521	49.95	22.6
VPC 5-11	4	21.57	548	51.27	23.2
VPC 5-12	4	22.64	575	52.60	23.8
VPC 5-13	5.5	23.70	602	53.92	24.4
VPC 5-14	5.5	24.76	629	55.03	24.9
VPC 5-15	5.5	25.83	656	56.36	25.5
VPC 5-16	5.5	26.89	683	57.68	26.1
VPC 5-18	7.5	30.20	767	70.50	31.9
VPC 5-20	7.5	32.32	821	73.15	33.1
VPC 5-22	7.5	34.45	875	75.58	34.2
VPC 5-24	10	36.57	929	77.79	35.2



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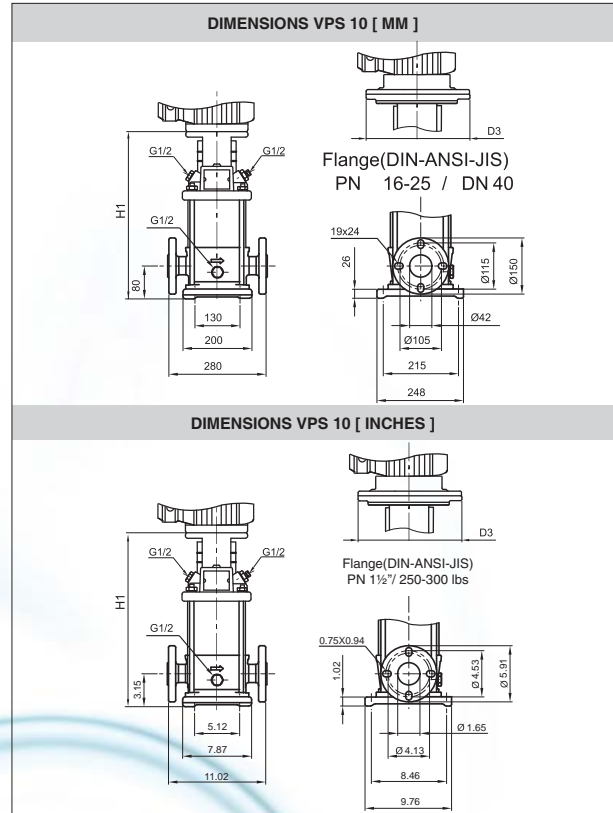
VPS - VPC 10



Vertical Multistage Centrifugal In-line Pumps Liquid End only

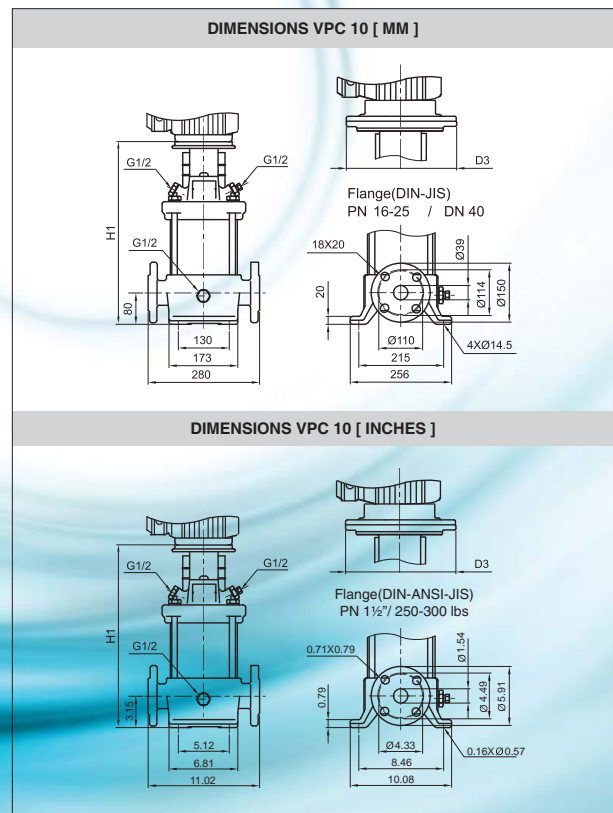
Dimensions and weights VPS 10

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 10-3	1	14.1	357	55.91	25.3
VPS 10-3	2	14.7	373	62.10	28.1
VPS 10-3	3	15.9	403	64.31	29.1
VPS 10-4	4	17.2	438	66.08	29.9
VPS 10-5	4	18.4	468	68.29	30.9
VPS 10-6	5.5	19.6	498	70.50	31.9
VPS 10-7	7.5	22.0	560	96.80	43.8
VPS 10-8	7.5	23.2	590	99.01	44.8
VPS 10-9	7.5	24.4	620	101.44	45.9
VPS 10-10	10	25.6	650	103.65	46.9
VPS 10-12	10	28.0	710	108.07	48.9
VPS 10-14	15	33.3	847	128.62	58.2
VPS 10-16	15	35.7	907	133.04	60.2
VPS 10-17	15	38.1	967	135.25	61.2



Dimensions and weights VPC 10

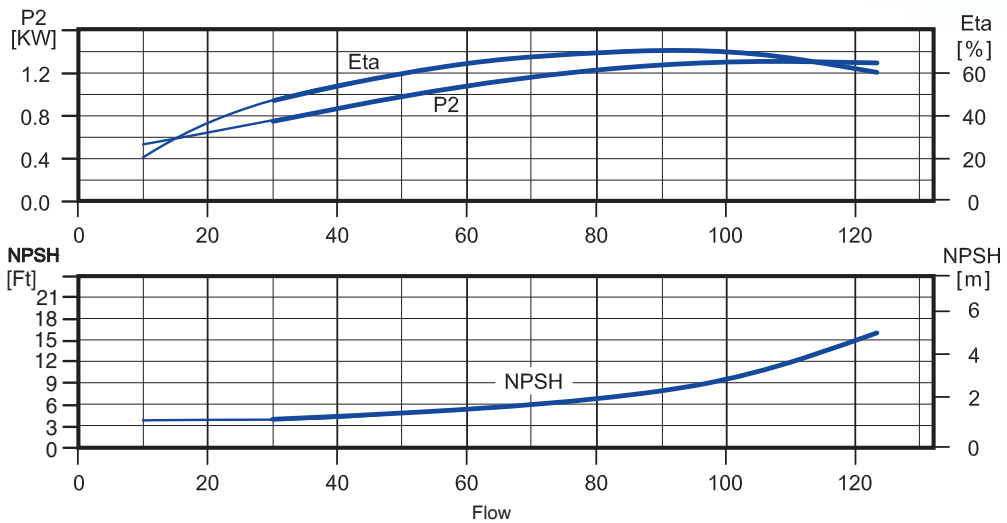
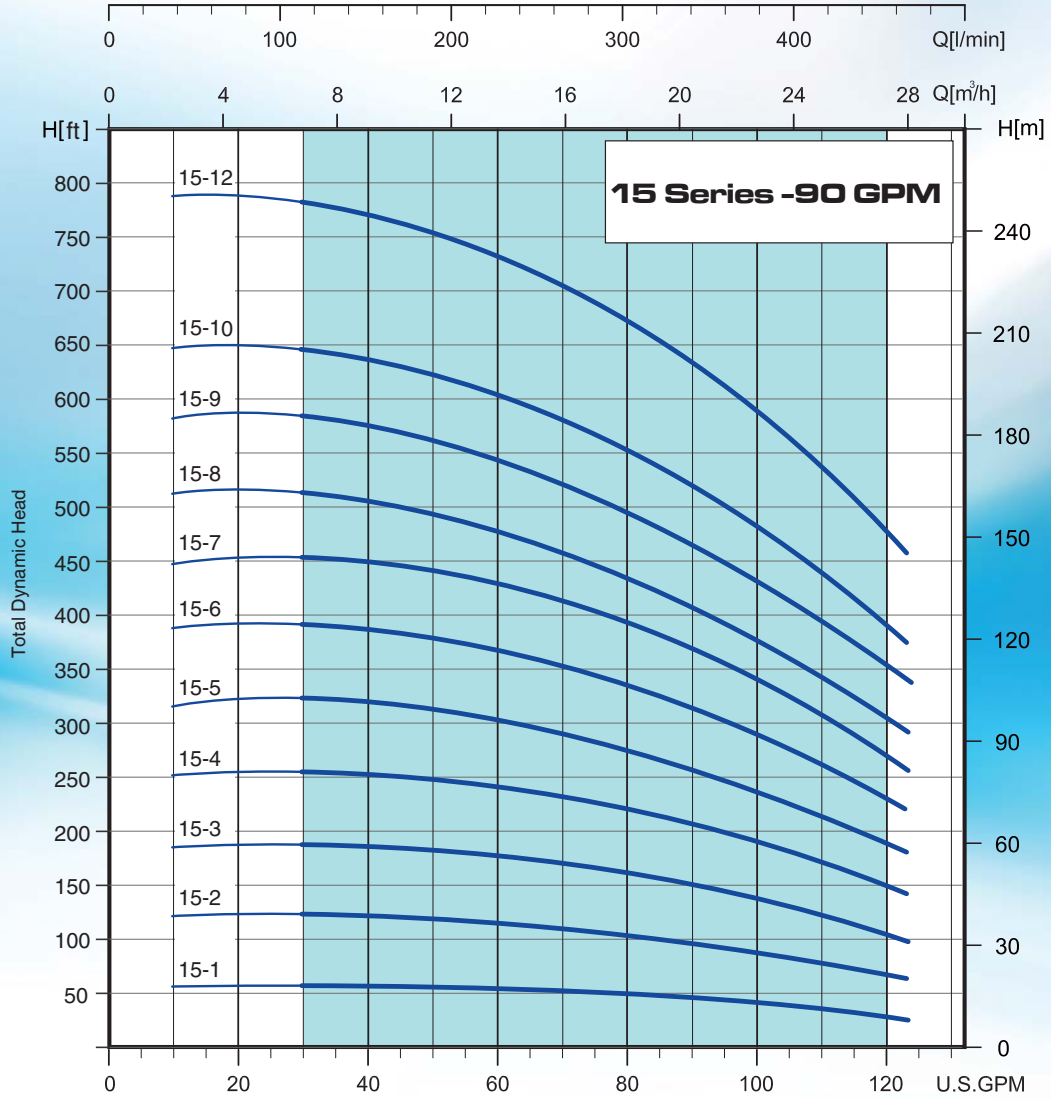
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 10-3	1	13.66	347	60.33	27.3
VPC 10-3	2	14.29	363	64.53	29.2
VPC 10-3	3	15.47	393	66.74	30.2
VPC 10-4	4	16.85	428	71.83	32.5
VPC 10-5	4	18.03	458	74.26	33.6
VPC 10-6	5.5	19.21	488	76.47	34.6
VPC 10-7	7.5	21.65	550	100.78	45.6
VPC 10-8	7.5	22.83	580	102.99	46.6
VPC 10-9	7.5	24.02	610	105.20	47.6
VPC 10-10	10	25.20	640	107.41	48.6
VPC 10-12	10	27.56	700	111.83	50.6
VPC 10-14	15	32.95	837	131.05	59.3
VPC 10-16	15	35.31	897	135.47	61.3
VPC 10-17	15	37.68	957	137.68	62.3





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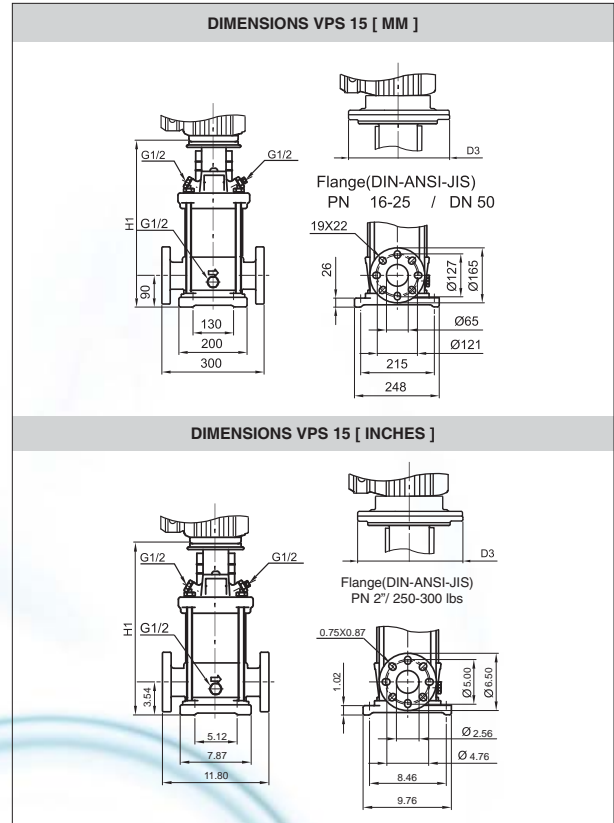
VPS - VPC 15



Vertical Multistage Centrifugal In-line Pumps Liquid End only

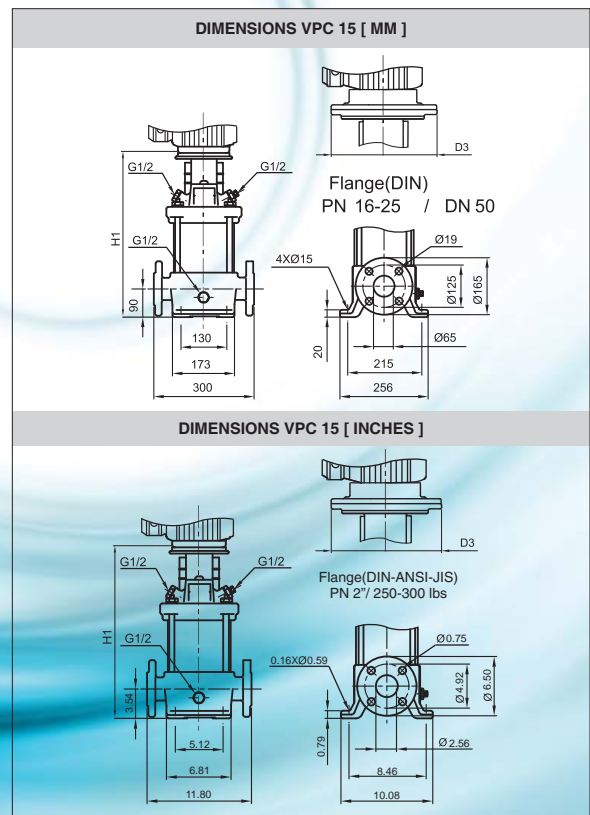
Dimensions and weights VPS 15

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 15-1	2	16.3	413	64.09	29
VPS 15-2	4	16.5	418	65.42	29.6
VPS 15-3	5.5	18.2	463	68.51	31
VPS 15-4	7.5	21.3	540	95.69	43.3
VPS 15-5	10	23.0	585	98.79	44.7
VPS 15-6	15	27.8	707	117.79	53.3
VPS 15-7	15	29.6	752	120.89	54.7
VPS 15-8	15	31.4	797	123.98	56.1
VPS 15-9	20	33.1	842	127.08	57.5
VPS 15-10	20	34.9	887	130.17	58.9
VPS 15-12	25	38.5	977	136.36	61.7



Dimensions and weights VPC 15

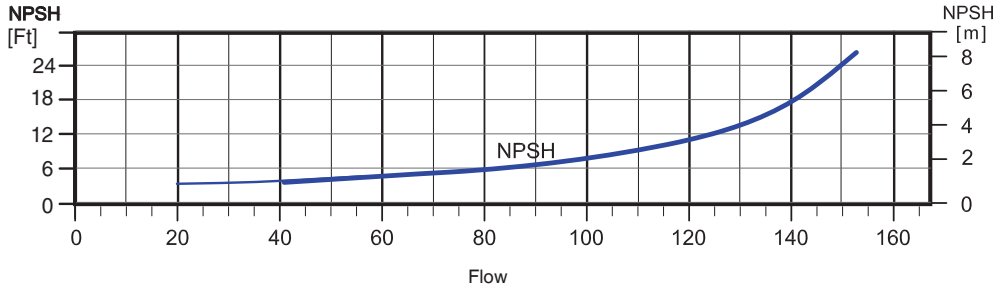
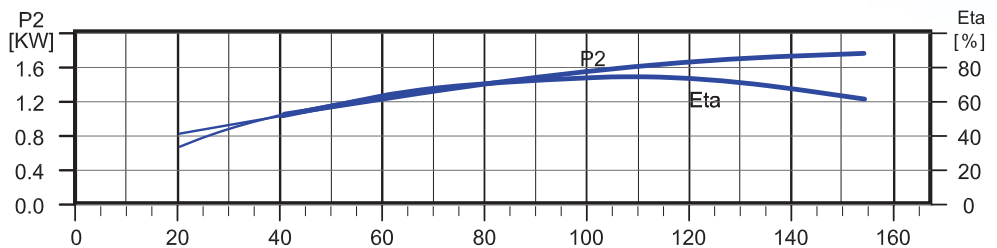
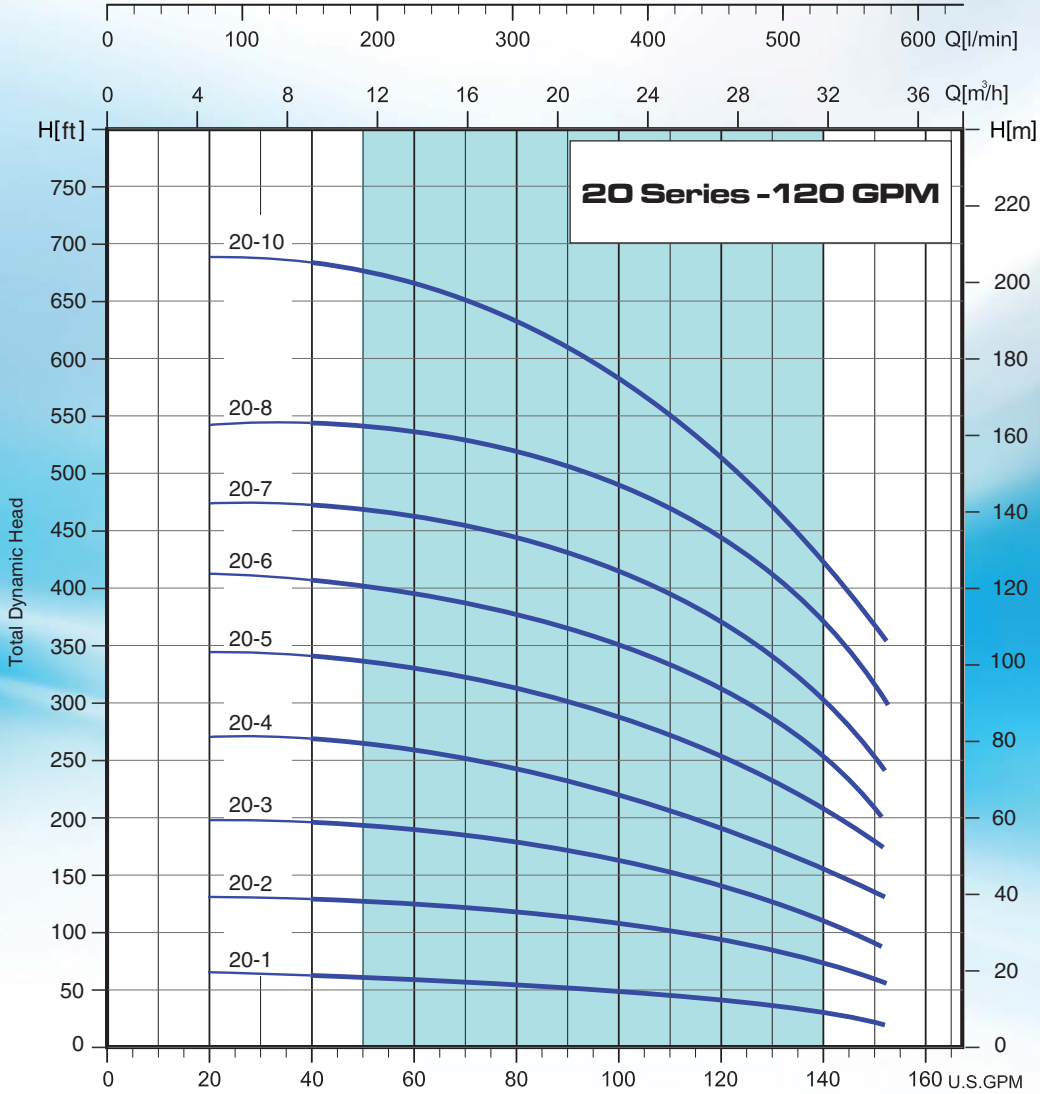
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 15-1	2	16.34	415	72.49	32.8
VPC 15-2	4	17.72	450	77.13	34.9
VPC 15-3	5.5	18.31	465	80.22	36.3
VPC 15-4	7.5	21.34	542	105.42	47.7
VPC 15-5	10	23.11	587	108.51	49.1
VPC 15-6	15	27.91	709	126.41	57.2
VPC 15-7	15	29.69	754	129.29	58.5
VPC 15-8	15	31.46	799	131.94	59.7
VPC 15-9	20	33.23	844	135.47	61.3
VPC 15-10	20	35.00	889	138.57	62.7
VPC 15-12	25	38.54	979	144.76	65.5





Pearl

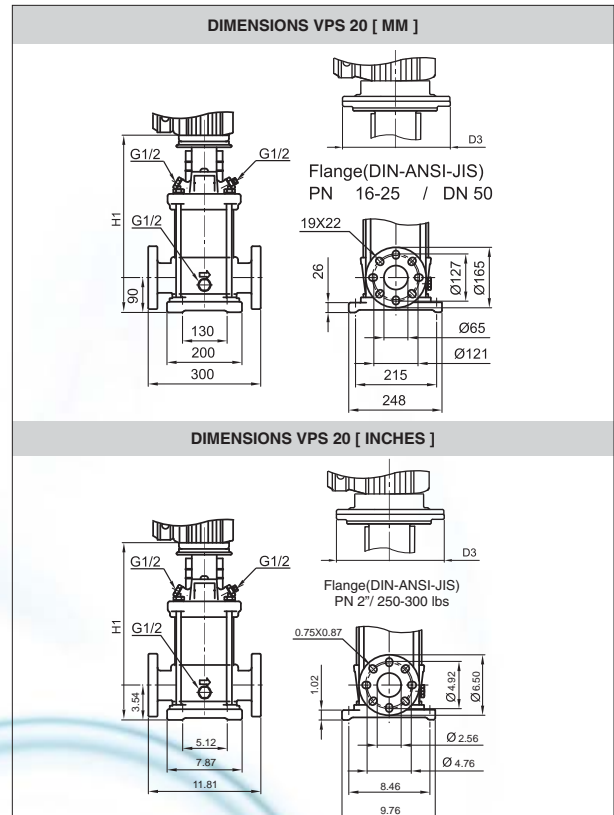
VPS - VPC 20



Vertical Multistage Centrifugal In-line Pumps Liquid End only

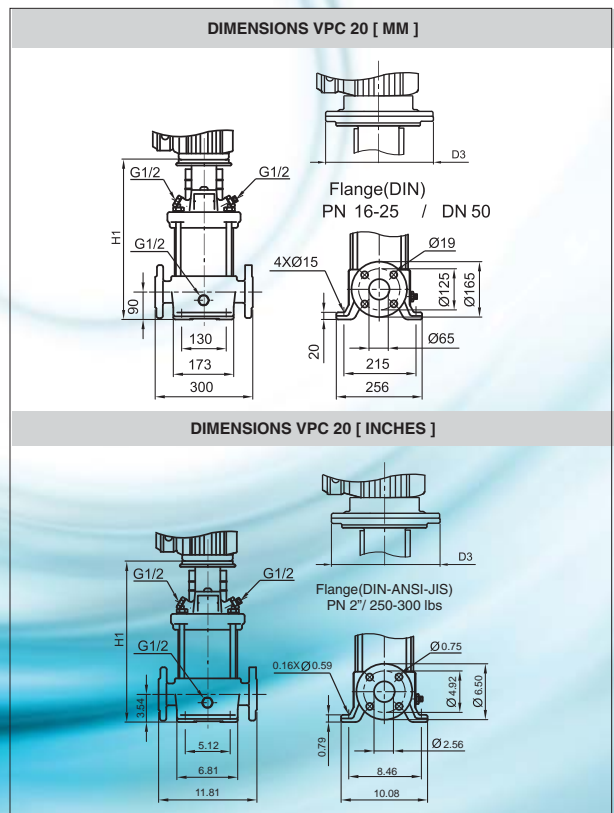
Dimensions and weights VPS 20

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 20-1	3	16.3	415	64.09	29
VPS 20-2	5.5	16.5	420	65.42	29.6
VPS 20-3	7.5	19.6	497	91.94	41.6
VPS 20-4	10	21.3	542	95.69	43.3
VPS 20-5	15	26.1	664	114.70	51.9
VPS 20-6	15	27.9	709	117.79	53.3
VPS 20-7	20	29.7	754	120.89	54.7
VPS 20-8	20	31.5	799	123.98	56.1
VPS 20-10	25	35.0	889	130.17	58.9



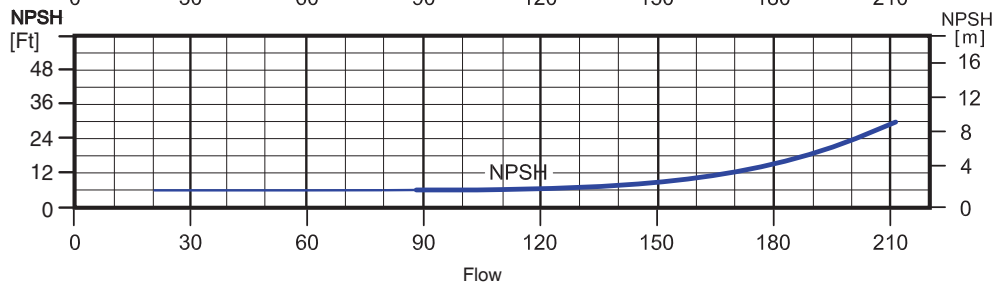
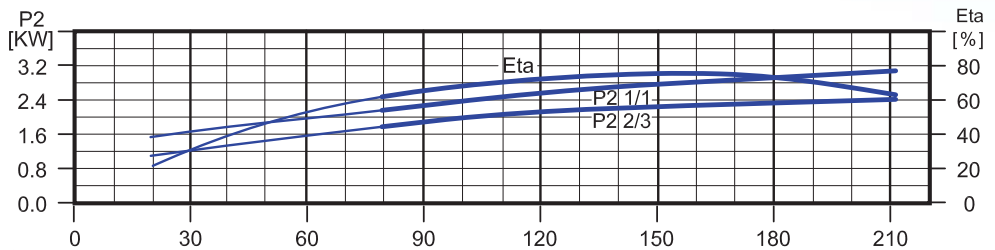
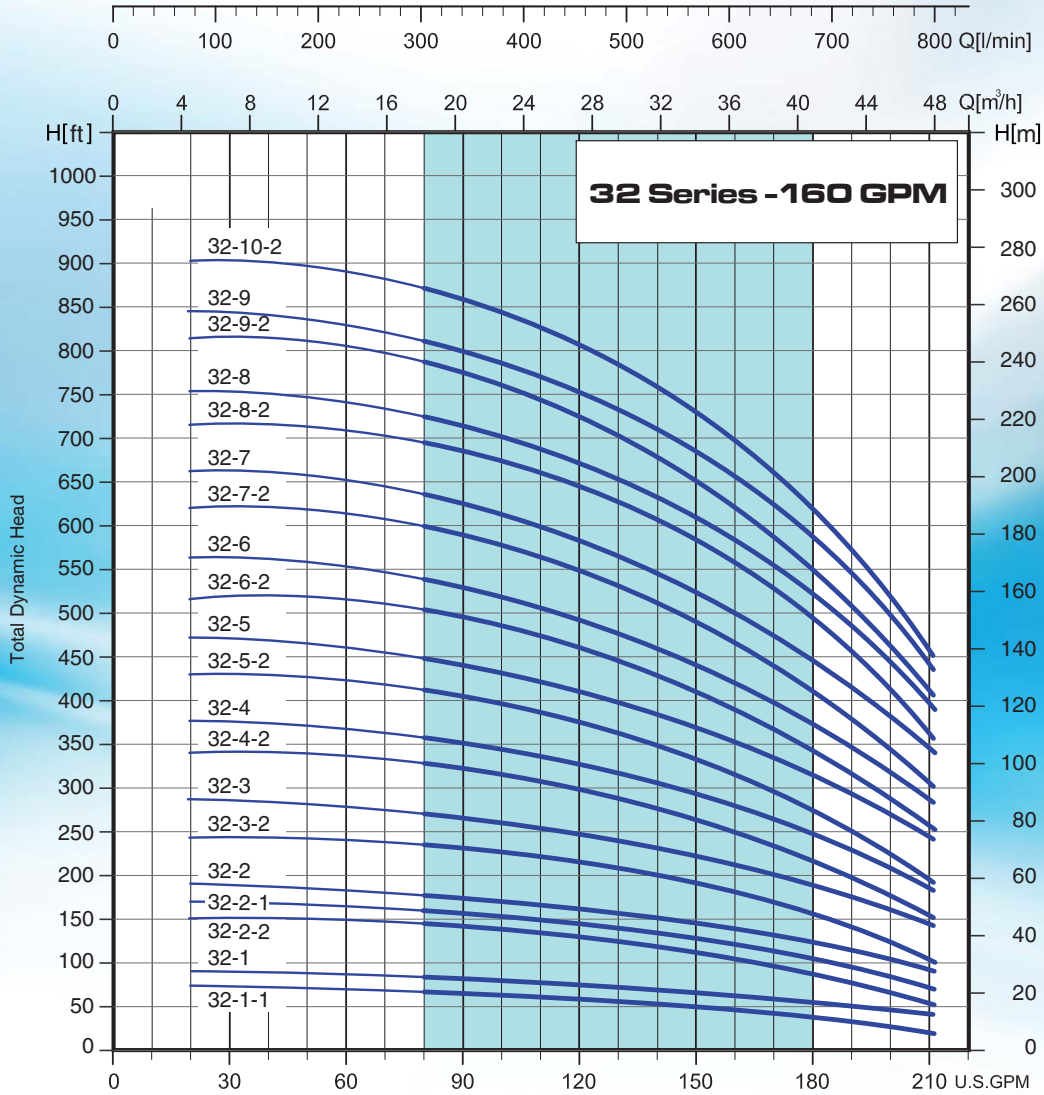
Dimensions and weights VPC 20

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 20-1	3	16.34	415	72.71	32.9
VPC 20-2	5.5	16.54	420	77.35	35
VPC 20-3	7.5	19.57	497	102.54	46.4
VPC 20-4	10	21.34	542	105.64	47.8
VPC 20-5	15	26.14	664	122.21	55.3
VPC 20-6	15	27.91	709	125.31	56.7
VPC 20-7	20	29.69	754	129.51	58.6
VPC 20-8	20	31.46	799	132.60	60
VPC 20-10	25	35.00	889	138.79	62.8



Pearl

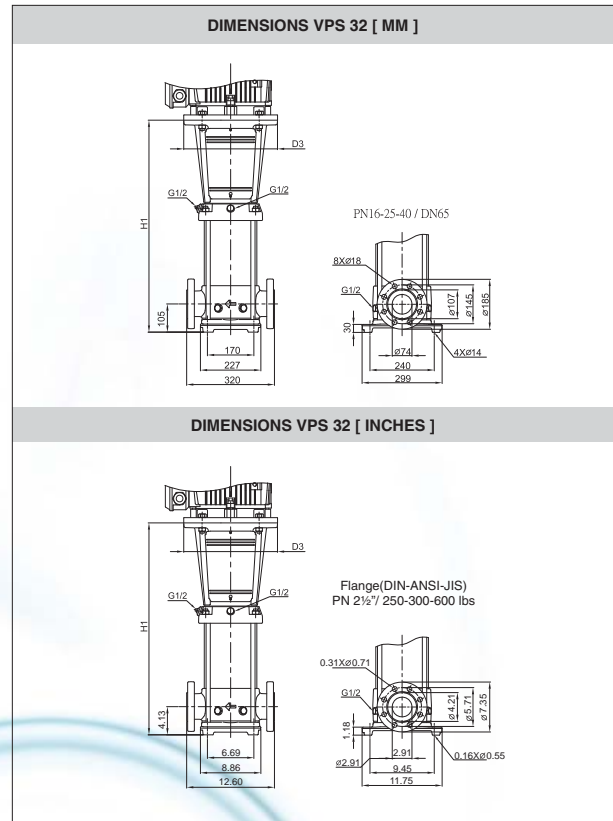
VPS - VPC 32



Vertical Multistage Centrifugal In-line Pumps Liquid End only

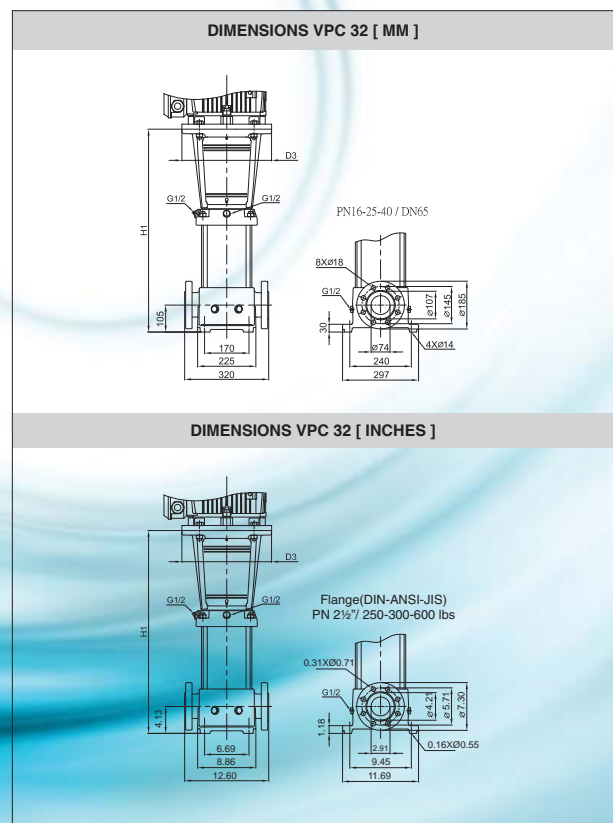
Dimensions and weights VPS 32

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 32-1-1	3.0	19.8	504	105.28	47.64
VPS 32-1	4.0	19.8	504	105.20	47.6
VPS 32-2-2	7.5	22.6	574	111.61	50.5
VPS 32-2-1	7.5	22.6	574	111.61	50.5
VPS 32-2	10.0	22.6	574	111.61	50.5
VPS 32-3-2	15.0	29.7	754	141.66	64.1
VPS 32-3	15.0	29.7	754	141.66	64.1
VPS 32-4-2	15.0	32.4	824	148.29	67.1
VPS 32-4	20.0	32.4	824	148.29	67.1
VPS 32-5-2	20.0	35.2	894	154.92	70.1
VPS 32-5	25.0	35.2	894	155.14	70.2
VPS 32-6-2	25.0	38.0	964	161.55	73.1
VPS 32-6	25.0	38.0	964	161.77	73.2
VPS 32-7-2	30.0	40.7	1034	167.74	75.9
VPS 32-7	30.0	40.7	1034	167.96	76
VPS 32-8-2	40.0	43.5	1104	199.78	90.4
VPS 32-8	40.0	43.5	1104	199.78	90.4
VPS 32-9-	40.0	46.2	1174	205.53	93
VPS 32-9	40.0	46.2	1174	205.75	93.1
VPS 32-10-2	40.0	49.0	1244	211.28	95.6



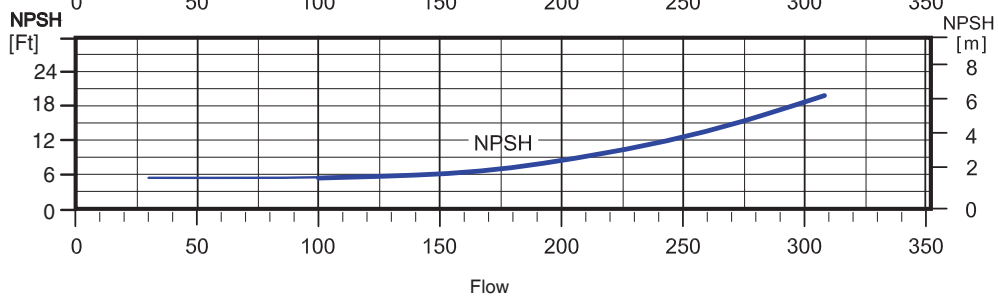
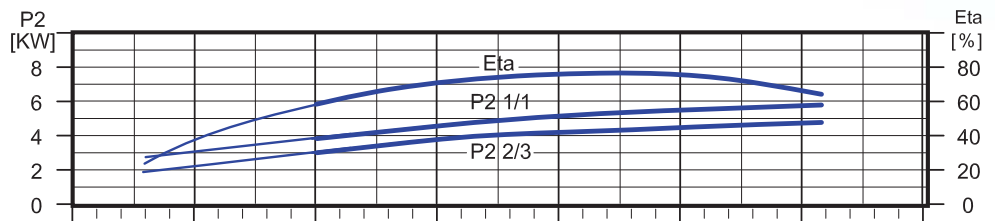
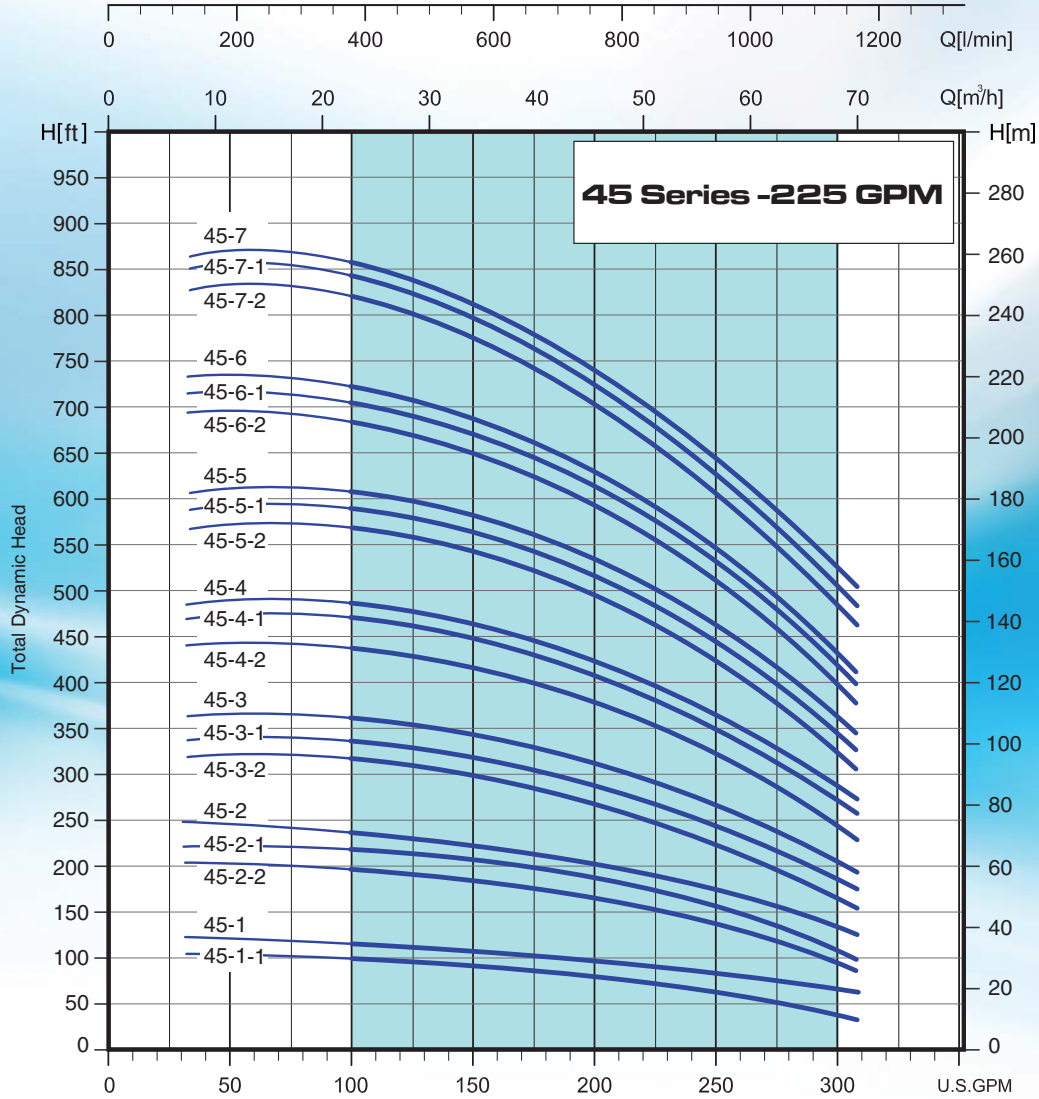
Dimensions and weights VPC 32

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 32-1-1	3.0	19.84	504	116.03	52.5
VPC 32-1	4.0	19.84	504	116.03	52.5
VPC 32-2-2	7.5	22.60	574	122.21	55.3
VPC 32-2-1	7.5	22.60	574	122.43	55.4
VPC 32-2	10.0	22.60	574	122.43	55.4
VPC 32-3-2	15.0	29.69	754	152.27	68.9
VPC 32-3	15.0	29.69	754	152.49	69
VPC 32-4-2	15.0	32.44	824	159.12	72
VPC 32-4	20.0	32.44	824	159.12	72
VPC 32-5-2	20.0	35.20	894	165.75	75
VPC 32-5	25.0	35.20	894	165.75	75
VPC 32-6-2	25.0	37.95	964	172.38	78
VPC 32-6	25.0	37.95	964	172.38	78
VPC 32-7-2	30.0	40.71	1034	178.57	80.8
VPC 32-7	30.0	40.71	1034	178.57	80.8
VPC 32-8-2	40.0	43.46	1104	210.39	95.2
VPC 32-8	40.0	43.46	1104	210.39	95.2
VPC 32-9-	40.0	46.22	1174	216.36	97.9
VPC 32-9	40.0	46.22	1174	216.36	97.9
VPC 32-10-2	40.0	48.98	1244	222.11	100.5



Pearl

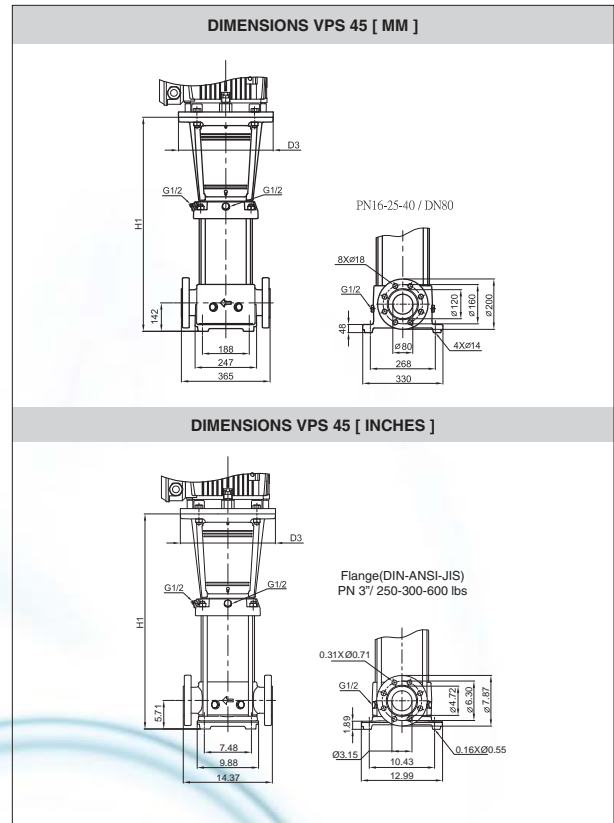
VPS - VPC 45



Vertical Multistage Centrifugal In-line Pumps Liquid End only

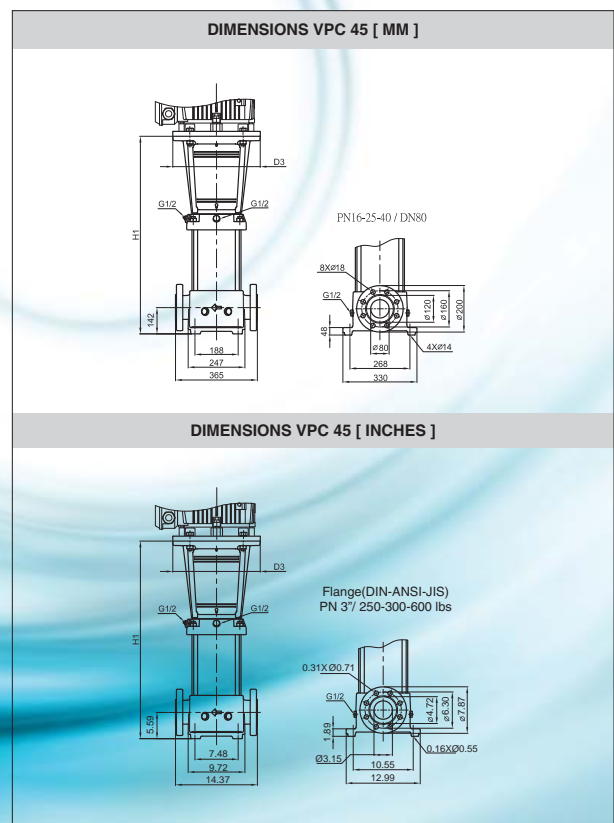
Dimensions and weights VPS 45

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 45-1-1	7.5	22.0	559	119.63	54.13
VPS 45-1	10.0	22.0	559	119.65	54.14
VPS 45-2-2	15.0	29.5	749	151.10	68.37
VPS 45-2-1	15.0	29.5	749	151.12	68.38
VPS 45-2	20.0	29.5	749	151.14	68.39
VPS 45-3-2	25.0	32.6	829	159.21	72.04
VPS 45-3-1	25.0	32.6	829	159.23	72.05
VPS 45-3	25.0	32.6	829	159.25	72.06
VPS 45-4-2	30.0	35.8	909	166.79	75.47
VPS 45-4-1	40.0	35.8	909	191.65	86.72
VPS 45-4	40.0	35.8	909	191.67	86.73
VPS 45-5-2	40.0	38.9	989	199.74	90.38
VPS 45-5-1	40.0	38.9	989	199.76	90.39
VPS 45-5	40.0	38.9	989	199.78	90.4
VPS 45-6-2	50.0	42.1	1069	207.85	94.05
VPS 45-6-1	50.0	42.1	1069	207.87	94.06
VPS 45-6	50.0	42.1	1069	207.89	94.07
VPS 45-7-2	60.0	45.2	1149	222.59	100.72
VPS 45-7-1	60.0	45.2	1149	222.61	100.73
VPS 45-7	60.0	45.2	1149	222.64	100.74



Dimensions and weights VPC 45

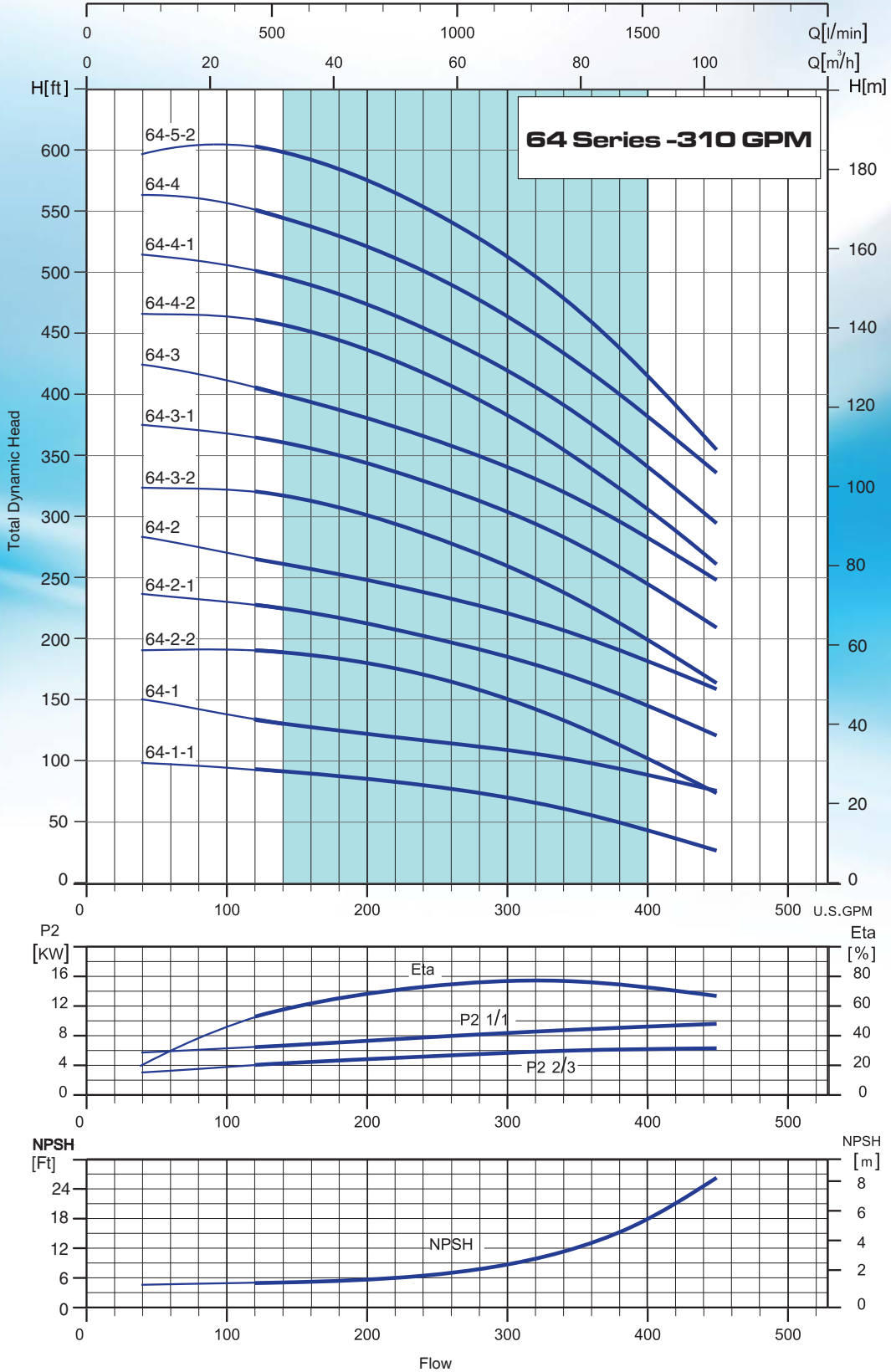
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 45-1-1	7.5	22.09	561	138.50	62.67
VPC 45-1	10.0	22.09	561	138.52	62.68
VPC 45-2-2	15.0	29.57	751	169.97	76.91
VPC 45-2-1	15.0	29.57	751	169.99	76.92
VPC 45-2	20.0	29.57	751	170.02	76.93
VPC 45-3-2	25.0	32.72	831	178.08	80.58
VPC 45-3-1	25.0	32.72	831	178.10	80.59
VPC 45-3	25.0	32.72	831	178.13	80.6
VPC 45-4-2	30.0	35.87	911	185.66	84.01
VPC 45-4-1	40.0	35.87	911	210.52	95.26
VPC 45-4	40.0	35.87	911	210.55	95.27
VPC 45-5-2	40.0	39.02	991	218.61	98.92
VPC 45-5-1	40.0	39.02	991	218.64	98.93
VPC 45-5	40.0	39.02	991	218.66	98.94
VPC 45-6-2	50.0	42.17	1071	226.72	102.59
VPC 45-6-1	50.0	42.17	1071	226.75	102.6
VPC 45-6	50.0	42.17	1071	226.77	102.61
VPC 45-7-2	60.0	45.31	1151	241.46	109.26
VPC 45-7-1	60.0	45.31	1151	241.49	109.27
VPC 45-7	60.0	45.31	1151	241.51	109.28





Pearl

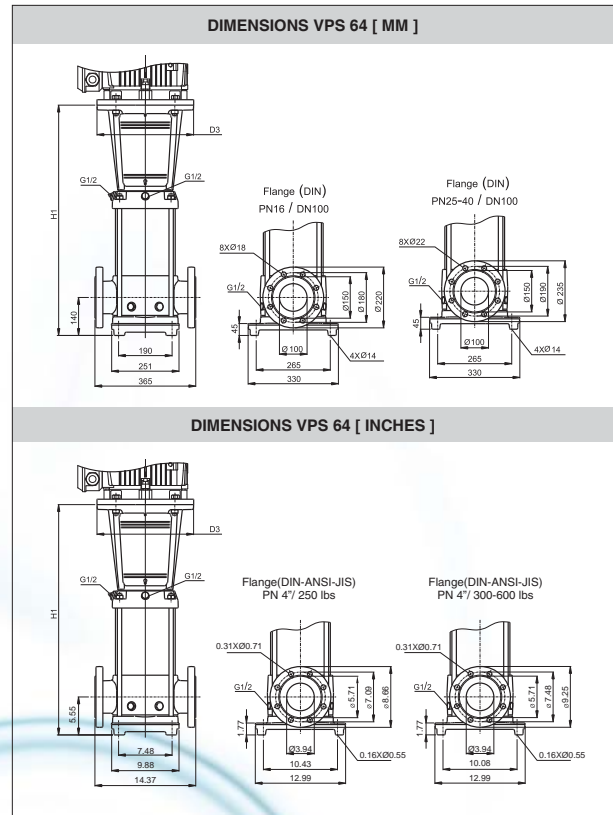
VPS - VPC 64



Vertical Multistage Centrifugal In-line Pumps Liquid End only

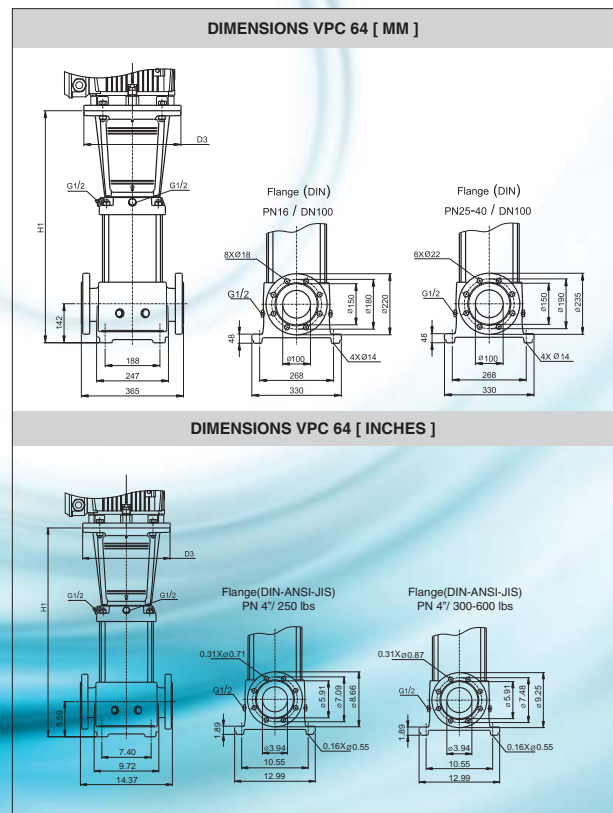
Dimensions and weights VPS 64

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 64-1-1	10	22.2	563	110.10	49.82
VPS 64-1	15	26.5	673	133.48	60.40
VPS 64-2-2	20	29.8	756	142.17	64.33
VPS 64-2-1	25	29.8	756	142.17	64.33
VPS 64-2	30	29.8	756	141.64	64.09
VPS 64-3-2	30	33.0	838	150.50	68.10
VPS 64-3-1	40	33.0	838	175.34	79.34
VPS 64-3	40	33.0	838	175.34	79.34
VPS 64-4-2	50	36.3	921	183.89	83.21
VPS 64-4-1	50	36.3	921	183.89	83.21
VPS 64-4	60	36.4	925	190.52	86.21
VPS 64-5-2	60	39.6	1007	190.26	86.09



Dimensions and weights VPC 64

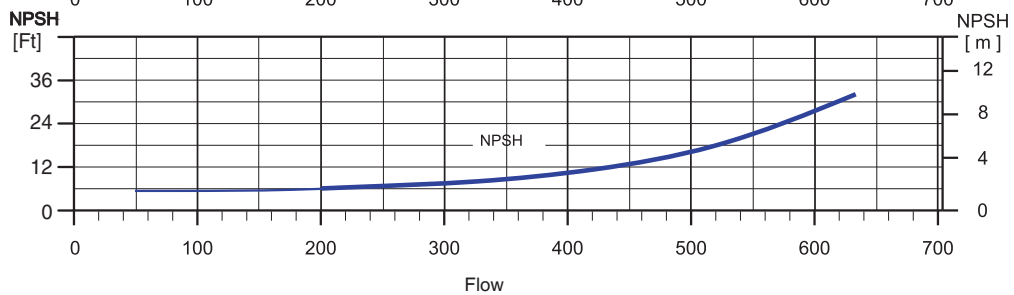
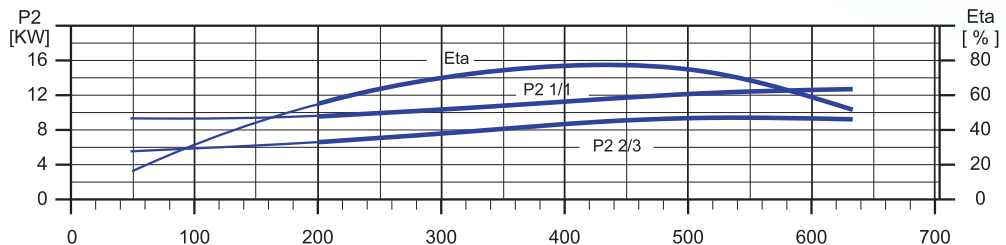
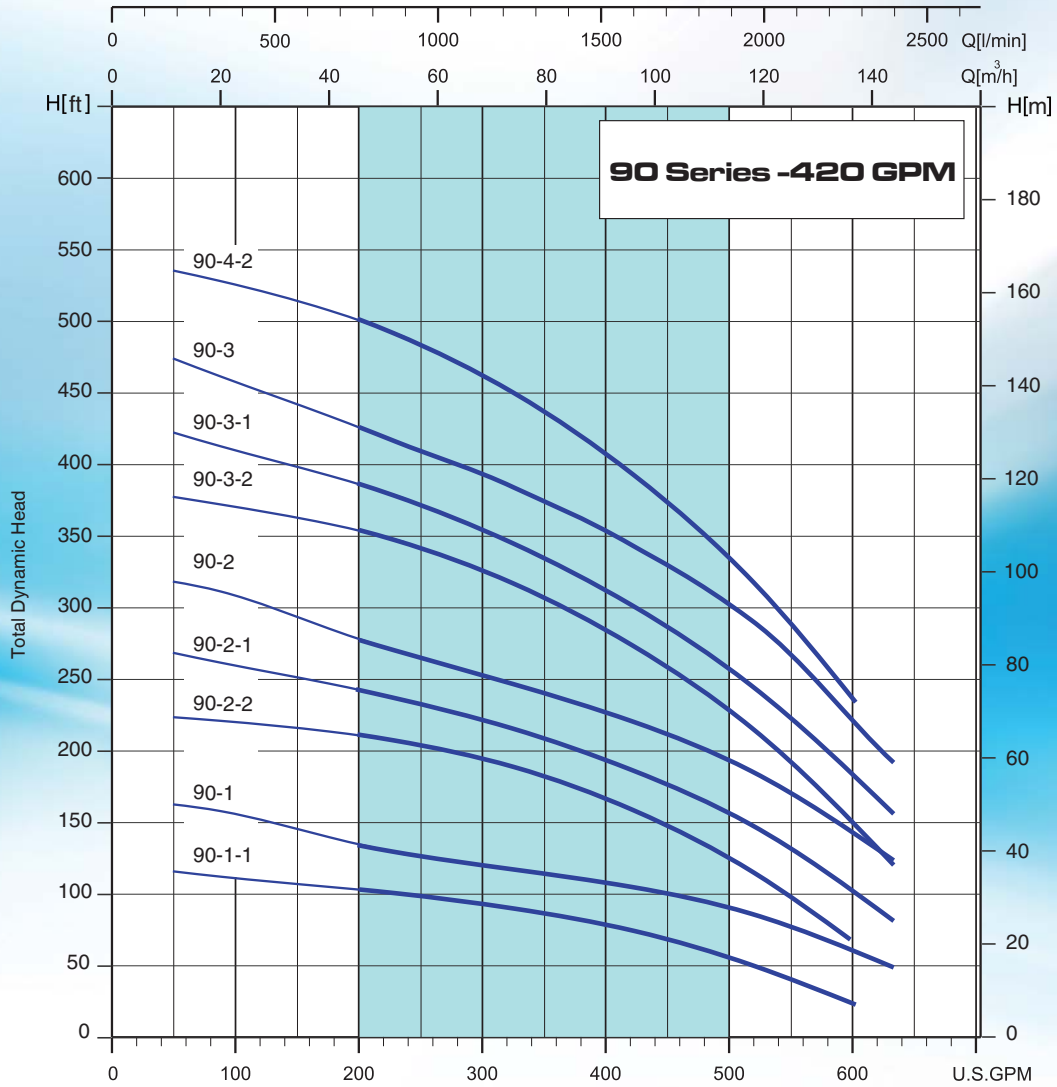
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 64-1-1	10	22.17	563	125.17	56.64
VPC 64-1	15	26.50	673	148.56	67.22
VPC 64-2-2	20	29.76	756	157.26	71.16
VPC 64-2-1	25	29.76	756	157.26	71.16
VPC 64-2	30	29.76	756	156.73	70.92
VPC 64-3-2	30	32.99	838	166.59	75.38
VPC 64-3-1	40	32.99	838	191.43	86.62
VPC 64-3	40	32.99	838	191.43	86.62
VPC 64-4-2	50	36.26	921	200.05	90.52
VPC 64-4-1	50	36.26	921	200.05	90.52
VPC 64-4	60	36.42	925	206.90	93.62
VPC 64-5-2	60	39.65	1007	215.32	97.43





Pearl

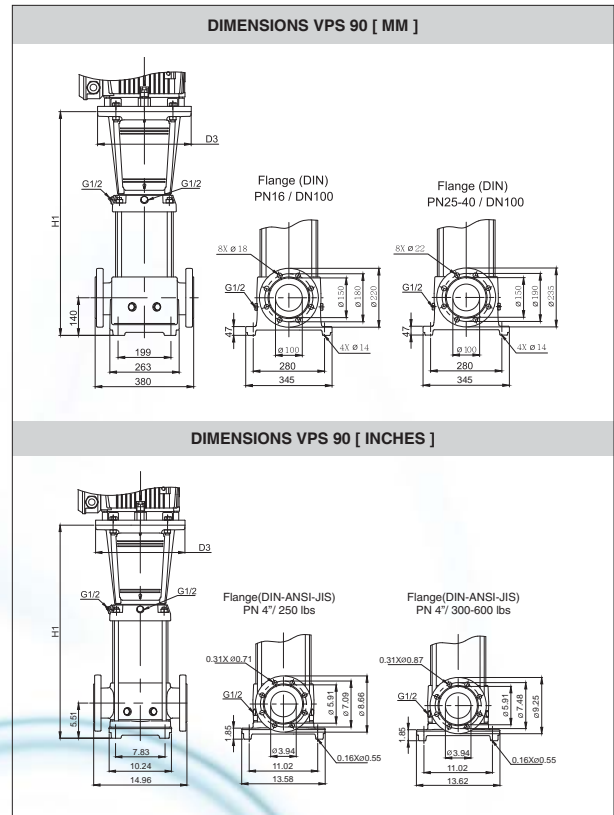
VPS - VPC 90



Vertical Multistage Centrifugal In-line Pumps Liquid End only

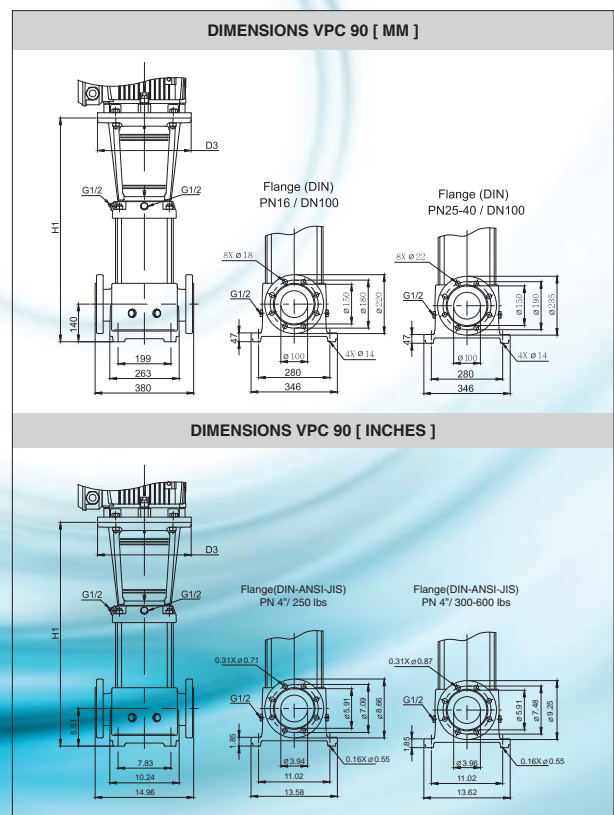
Dimensions and weights VPS 90

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPS 90-1-1	15	27.0	686	156.64	70.88
VPS 90-1	20	27.0	686	156.69	70.9
VPS 90-2-2	25	30.6	778	167.78	75.92
VPS 90-2-1	30	30.6	778	167.30	75.7
VPS 90-2	40	30.6	778	192.18	86.96
VPS 90-3-2	50	34.3	870	203.32	92
VPS 90-3-1	50	34.3	870	203.36	92.02
VPS 90-3	60	34.3	870	210.04	95.04
VPS 90-4-2	60	37.9	962	225.02	101.82



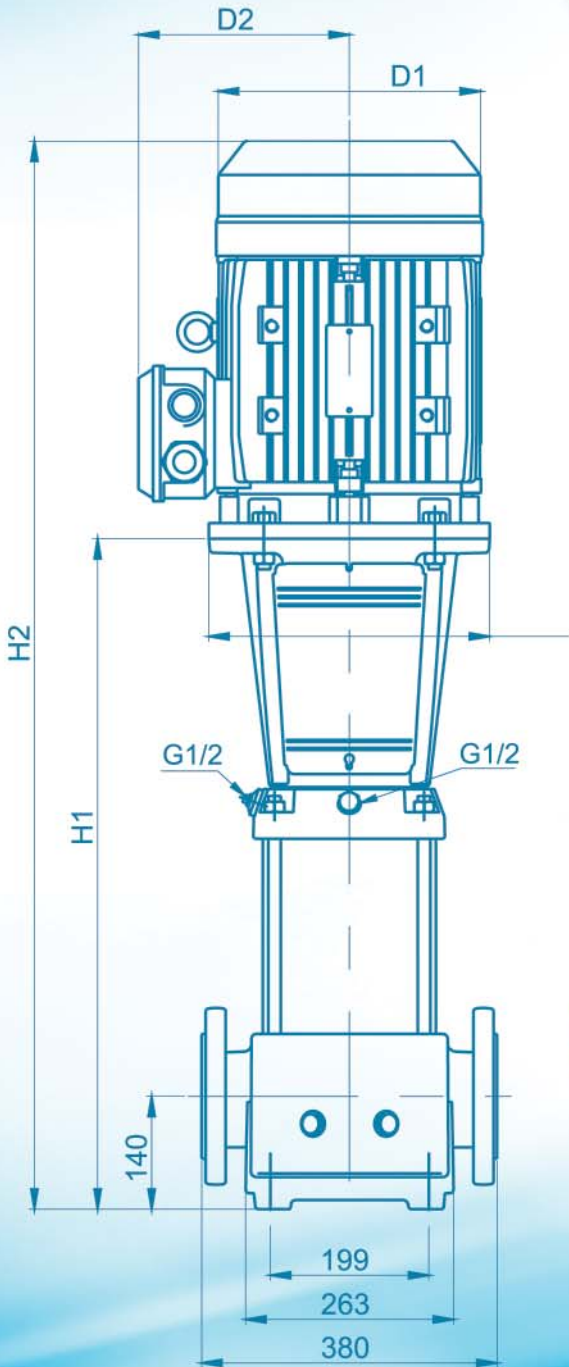
Dimensions and weights VPC 90

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES			
		H1		NET WEIGHT	
		in	mm	lbs	kg
VPC 90-1-1	15	26.85	682	178.21	80.64
VPC 90-1	20	26.85	682	178.26	80.66
VPC 90-2-2	25	30.47	774	189.66	85.82
VPC 90-2-1	30	30.47	774	189.18	85.6
VPC 90-2	40	30.47	774	214.06	96.86
VPC 90-3-2	50	34.09	866	225.29	101.94
VPC 90-3-1	50	34.09	866	225.33	101.96
VPC 90-3	60	34.09	866	232.01	104.98
VPC 90-4-2	60	37.72	958	247.34	111.92

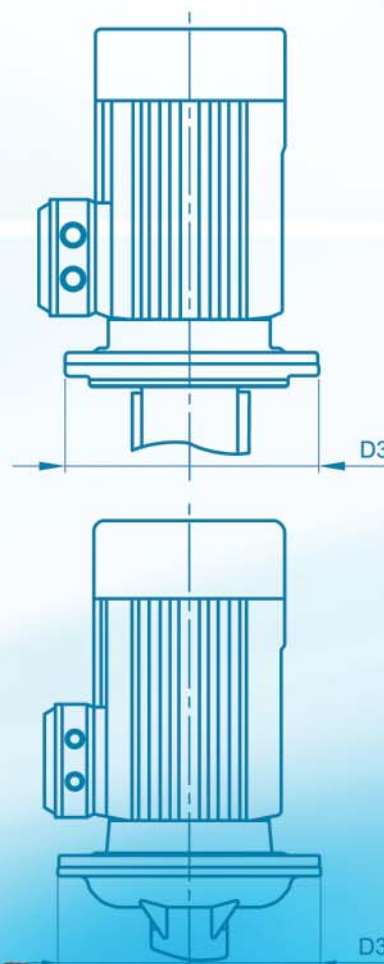




Vertical Multistage Centrifugal In-line with Pearl Motor



H2



D3

Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

VPS - VPC



The VPC and VPS pumps are non-self priming vertical multistage pump with in-line design with flanges.

The stages are made of stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft are directly close coupled. All pump are equipped with a cartridge type mechanical seal for easy maintenance.

VPC and VPS series have different pump sizes and various numbers of stages to provide the flow and the pressure required.

Applications

Water Supply and Pressure Boosting

Pressure boosting in buildings, hotels, residential applications

Pressure booster stations, supply of water networks

Pressure boosting for industrial water supply

Light industry

Washing and cleaning systems

Car washing facilities

Fire fighting systems

Process water systems

Machine tools (cooling lubricants)

Heating, Ventilation and Air-Conditioning

Boilers

Induction heating

Heat exchangers

Refrigerators

Cooling towers and systems

Temperature control systems

Irrigation and Agriculture

Greenhouses

Sprinkler irrigation

Water Treatment

Water softeners and de-mineralization

Reverse Osmosis systems

Distillation systems

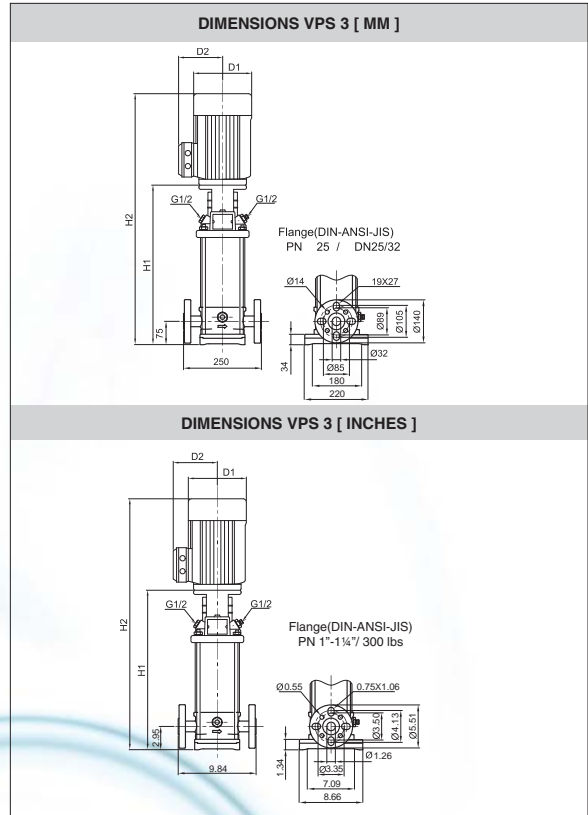
Filtration

Ultra-filtration systems

Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

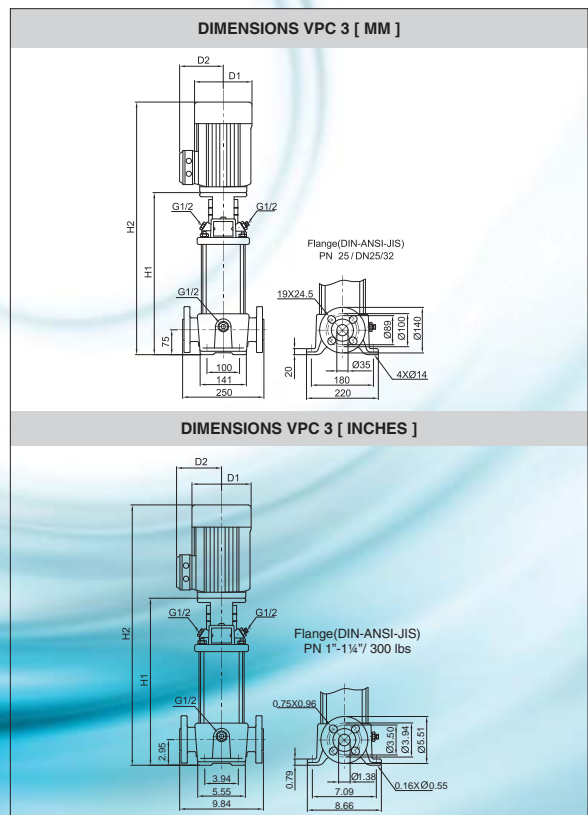
Dimensions and weights VPS 3

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 3-2	0.5	11.1	282	18.6	473	5.6	141	4.3	109			44.20	20
VPS 3-3	0.75	11.1	282	18.6	473	5.6	141	4.3	109			46.41	21
VPS 3-4	0.75	11.8	300	19.3	491	5.6	141	4.3	109			48.62	22
VPS 3-5	1	12.8	324	21.9	555	5.6	141	4.3	109			53.04	24
VPS 3-6	1.5	13.5	342	22.6	573	5.6	141	4.3	109			59.67	27
VPS 3-7	1.5	14.2	360	23.3	591	5.6	141	4.3	109			59.67	27
VPS 3-8	1.5	14.9	378	24.0	609	5.6	141	4.3	109			61.88	28
VPS 3-9	2	16.2	412	27.0	687	6.9	175	5.5	140			77.57	35.1
VPS 3-10	2	16.9	430	27.8	705	6.9	175	5.5	140			78.46	35.5
VPS 3-11	2	17.6	448	28.5	723	6.9	175	5.5	140			79.34	35.9
VPS 3-12	3	18.3	466	29.2	741	6.9	175	5.5	140			84.42	38.2
VPS 3-13	3	19.1	484	29.9	759	6.9	175	5.5	140			85.31	38.6
VPS 3-15	3	20.5	520	31.3	795	6.9	175	5.5	140			87.07	39.4
VPS 3-17	3	21.9	556	32.7	831	6.9	175	5.5	140			88.62	40.1
VPS 3-19	4	23.5	597	36.1	917	7.7	196	5.8	148			103.43	46.8
VPS 3-21	4	24.9	633	37.5	953	7.7	196	5.8	148			104.98	47.5
VPS 3-23	4	26.3	669	38.9	989	7.7	196	5.8	148			106.74	48.3
VPS 3-25	5.5	27.8	705	40.9	1040	8.6	219	6.4	162			123.98	56.1



Dimensions and weights VPC 3

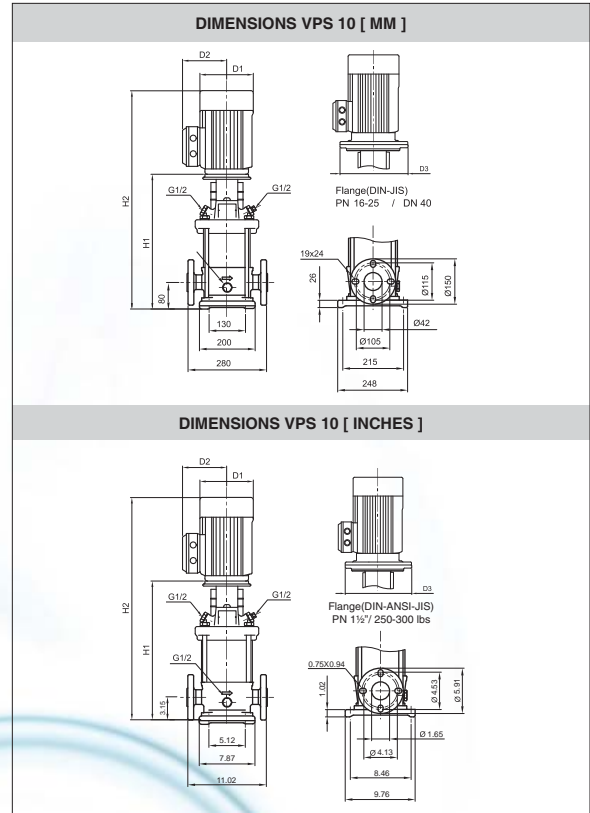
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC 3-2	0.5	10.98	279	18.5	470	5.6	141	4.3	109			50.83	23
VPC 3-3	0.75	10.98	279	18.5	470	5.6	141	4.3	109			53.04	24
VPC 3-4	0.75	11.69	297	19.2	488	5.6	141	4.3	109			53.04	24
VPC 3-5	1	12.64	321	21.7	552	5.6	141	4.3	109			57.46	26
VPC 3-6	1.5	13.35	339	22.4	570	5.6	141	4.3	109			64.09	29
VPC 3-7	1.5	14.06	357	23.1	588	5.6	141	4.3	109			64.09	29
VPC 3-8	1.5	14.76	375	23.9	606	5.6	141	4.3	109			64.09	29
VPC 3-9	2	16.10	409	26.9	684	6.9	175	5.5	140			81.55	36.9
VPC 3-10	2	16.81	427	27.6	702	6.9	175	5.5	140			82.43	37.3
VPC 3-11	2	17.52	445	28.3	720	6.9	175	5.5	140			83.10	37.6
VPC 3-12	3	18.23	463	29.1	738	6.9	175	5.5	140			88.40	40
VPC 3-13	3	20.35	517	31.2	792	6.9	175	5.5	140			89.28	40.4
VPC 3-15	3	21.77	553	32.6	828	6.9	175	5.5	140			90.83	41.1
VPC 3-17	3	23.35	593	34.2	868	6.9	175	5.5	140			92.60	41.9
VPC 3-19	4	24.76	629	37.4	949	7.7	196	5.8	148			109.17	49.4
VPC 3-21	4	26.18	665	38.8	985	7.7	196	5.8	148			110.94	50.2
VPC 3-23	4	26.18	665	38.8	985	7.7	196	5.8	148			112.49	50.9
VPC 3-25	5.5	27.60	701	40.8	1036	8.6	219	6.4	162			129.73	58.7



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

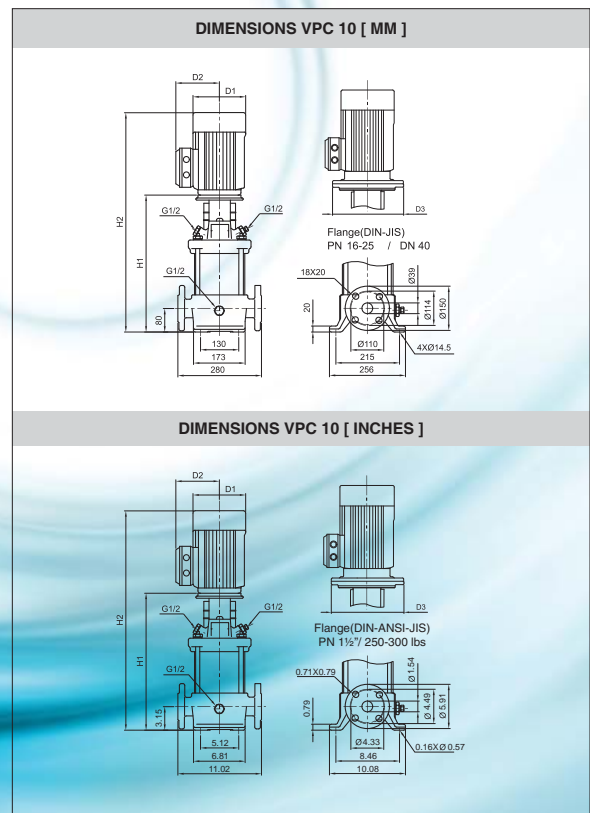
Dimensions and weights VPS 10

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES										NET WEIGHT	
		H1		H2		D1		D2		D3		lbs	kg
		in	mm	in	mm	in	mm	in	mm	in	mm		
VPS 10-3	1	14.1	357	23.1	588	5.6	141	4.3	109			75.14	34
VPS 10-3	2	14.7	373	25.5	648	6.9	175	5.5	140			99.45	45
VPS 10-3	3	15.9	403	26.7	678	6.9	175	5.5	140			106.08	48
VPS 10-4	4	17.2	438	29.8	758	7.7	196	5.8	148			121.55	55
VPS 10-5	4	18.4	468	31.0	788	7.7	196	5.8	148			123.76	56
VPS 10-6	5.5	19.6	498	32.8	833	8.6	219	6.4	162			141.44	64
VPS 10-7	7.5	22.0	560	36.2	920	9.2	234	7.8	199	11.8	300	198.90	90
VPS 10-8	7.5	23.2	590	37.4	950	9.2	234	7.8	199	11.8	300	201.11	91
VPS 10-9	7.5	24.4	620	38.6	980	9.2	234	7.8	199	11.8	300	203.32	92
VPS 10-10	10	25.6	650	41.3	1050	9.2	234	7.8	199	11.8	300	225.42	102
VPS 10-12	10	28.0	710	43.7	1110	9.2	234	7.8	199	11.8	300	229.84	104
VPS 10-14	15	33.3	847	50.9	1292	8.5	215	13.8	350	13.8	350	301.00	136.2
VPS 10-16	15	35.7	907	53.2	1352	8.5	215	13.8	350	13.8	350	305.42	138.2
VPS 10-17	15	38.1	967	55.6	1412	8.5	215	13.8	350	13.8	350	307.63	139.2



Dimensions and weights VPS 10

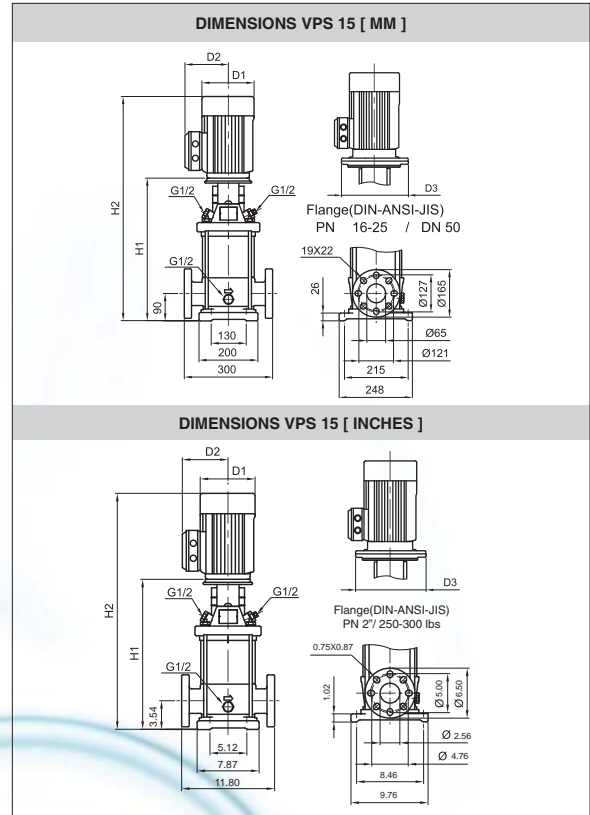
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES										NET WEIGHT	
		H1		H2		D1		D2		D3		lbs	kg
		in	mm	in	mm	in	mm	in	mm	in	mm		
VPC 10-3	1	13.66	347	22.8	578	5.6	141	4.3	109			79.56	36
VPC 10-3	2	14.29	363	25.1	638	6.9	175	5.5	140			102.10	46.2
VPC 10-3	3	15.47	393	26.3	668	6.9	175	5.5	140			108.73	49.2
VPC 10-4	4	16.85	428	29.4	748	7.7	196	5.8	148			127.08	57.5
VPC 10-5	4	18.03	458	30.6	778	7.7	196	5.8	148			129.51	58.6
VPC 10-6	5.5	19.21	488	32.4	823	8.6	219	6.4	162			147.19	66.6
VPC 10-7	7.5	21.65	550	35.8	910	9.2	234	7.8	199	11.8	300	202.44	91.6
VPC 10-8	7.5	22.83	580	37.0	940	9.2	234	7.8	199	11.8	300	204.65	92.6
VPC 10-9	7.5	24.02	610	38.2	970	9.2	234	7.8	199	11.8	300	206.86	93.6
VPC-VPS 10-10	10	25.20	640	40.9	1040	9.2	234	7.8	199	11.8	300	228.96	103.6
VPC-VPS 10-12	10	27.56	700	43.3	1100	9.2	234	7.8	199	11.8	300	233.38	105.6
VPC-VPS 10-14	15	32.95	837	50.5	1282	8.5	215	13.8	350	13.8	350	303.43	137.3
VPC-VPS 10-16	15	35.31	897	52.8	1342	8.5	215	13.8	350	13.8	350	307.85	139.3
VPC-VPS 10-17	15	37.68	957	55.2	1402	8.5	215	13.8	350	13.8	350	310.06	140.3



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

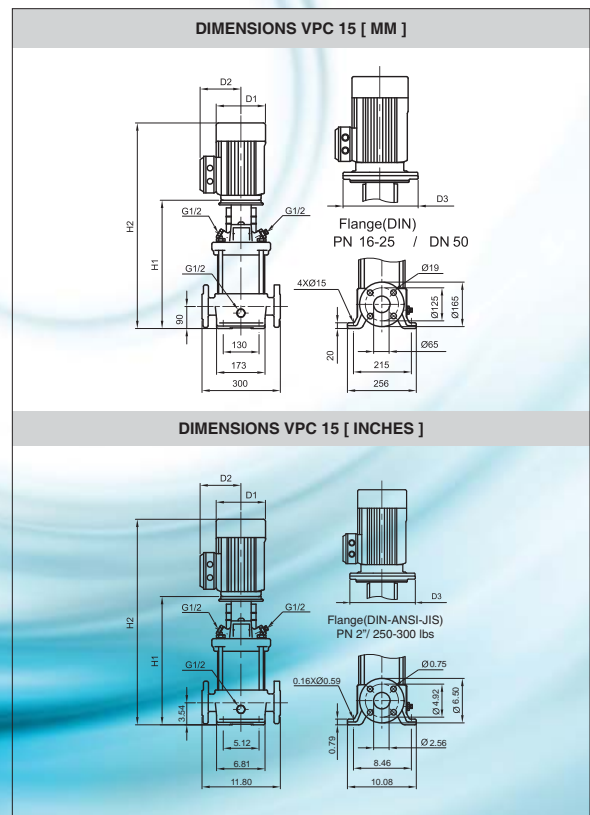
Dimensions and weights VPS 15

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES										NET WEIGHT	
		H1		H2		D1		D2		D3		lbs	kg
		in	mm	in	mm	in	mm	in	mm	in	mm		
VPS 15-1	2	16.3	413	27.1	688	6.9	175	5.5	140			101.66	46
VPS 15-2	4	16.5	418	29.1	738	7.7	196	5.8	148			120.67	54.6
VPS 15-3	5.5	18.2	463	31.4	798	8.6	219	6.4	162			139.23	63
VPS 15-4	7.5	21.3	540	35.4	900	9.2	234	7.8	199	11.8	300	197.35	89.3
VPS 15-5	10	23.0	585	38.8	985	9.2	234	7.8	199	11.8	300	220.34	99.7
VPS 15-6	15	27.8	707	45.4	1152	10.6	268	8.5	215	13.8	350	290.17	131.3
VPS 15-7	15	29.6	752	47.1	1197	10.6	268	8.5	215	13.8	350	293.27	132.7
VPS 15-8	15	31.4	797	48.9	1242	10.6	268	8.5	215	13.8	350	296.36	134.1
VPS 15-9	20	33.1	842	52.4	1331	10.6	268	8.5	215	13.8	350	323.77	146.5
VPS 15-10	20	34.9	887	54.2	1376	10.6	268	8.5	215	13.8	350	326.86	147.9
VPS 15-12	25	38.5	977	59.5	1512	12.5	317	9.5	242	13.8	350	410.40	185.7



Dimensions and weights VPC 15

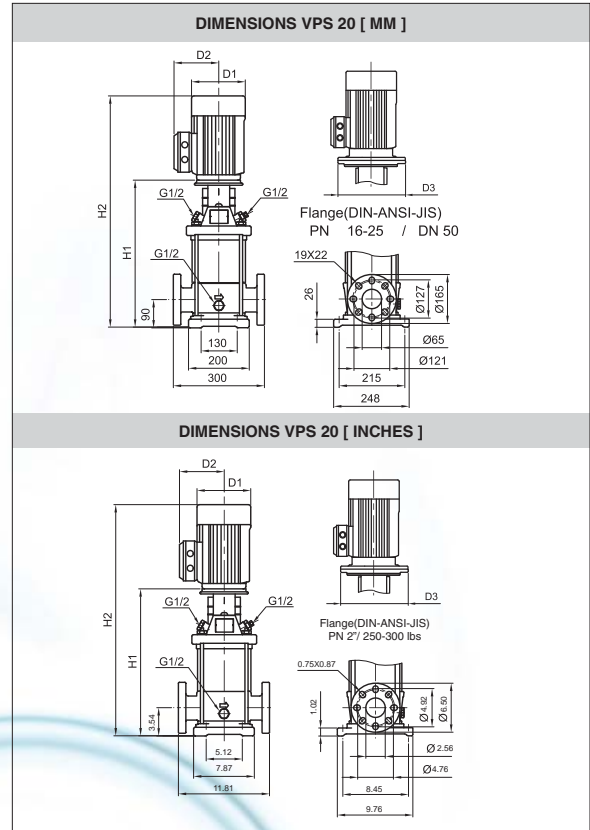
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES										NET WEIGHT	
		H1		H2		D1		D2		D3		lbs	kg
		in	mm	in	mm	in	mm	in	mm	in	mm		
VPC 15-1	2	16.34	415	27.2	690	6.9	175	5.5	140			110.50	50
VPC 15-2	4	17.72	450	30.3	770	7.7	196	5.8	148			132.60	60
VPC 15-3	5.5	18.31	465	31.5	800	8.6	219	6.4	162			150.94	68.3
VPC 15-4	7.5	21.34	542	35.5	902	9.2	234	7.8	199	11.8	300	207.08	93.7
VPC 15-5	10	23.11	587	38.9	987	9.2	234	7.8	199	11.8	300	230.06	104.1
VPC 15-6	15	27.91	709	45.4	1154	10.6	268	8.5	215	13.8	350	298.79	135.2
VPC 15-7	15	29.69	754	47.2	1199	10.6	268	8.5	215	13.8	350	299.46	135.5
VPC 15-8	15	31.46	799	49.0	1244	10.6	268	8.5	215	13.8	350	304.98	138
VPC 15-9	20	33.23	844	52.5	1333	10.6	268	8.5	215	13.8	350	332.16	150.3
VPC 15-10	20	35.00	889	54.3	1378	10.6	268	8.5	215	13.8	350	335.26	151.7
VPC 15-12	25	38.54	979	59.6	1514	12.5	317	9.5	242	13.8	350	418.80	189.5



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

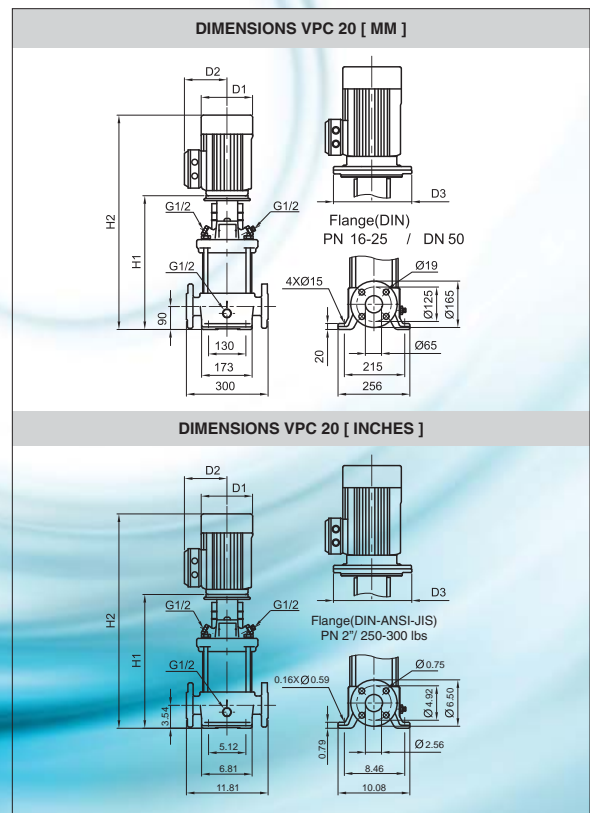
Dimensions and weights VPS 20

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 20-1	3	16.3	415	27.2	690	6.9	175	5.5	140			106.08	48
VPS 20-2	5.5	16.5	420	29.7	755	8.6	219	6.4	162			136.14	61.6
VPS 20-3	7.5	19.6	497	33.7	857	9.2	234	7.8	199	11.8	300	194.26	87.9
VPS 20-4	10	21.3	542	37.1	942	9.2	234	7.8	199	11.8	300	217.24	98.3
VPS 20-5	15	26.1	664	43.7	1109	10.6	268	8.5	215	13.8	350	287.08	129.9
VPS 20-6	15	27.9	709	45.4	1154	10.6	268	8.5	215	13.8	350	290.17	131.3
VPS 20-7	20	29.7	754	48.9	1243	10.6	268	8.5	215	13.8	350	317.58	143.7
VPS 20-8	20	31.5	799	50.7	1288	10.6	268	8.5	215	13.8	350	320.45	145
VPS 20-10	25	35.0	889	56.1	1424	12.5	317	9.5	242	13.8	350	404.43	183



Dimensions and weights VPC 20

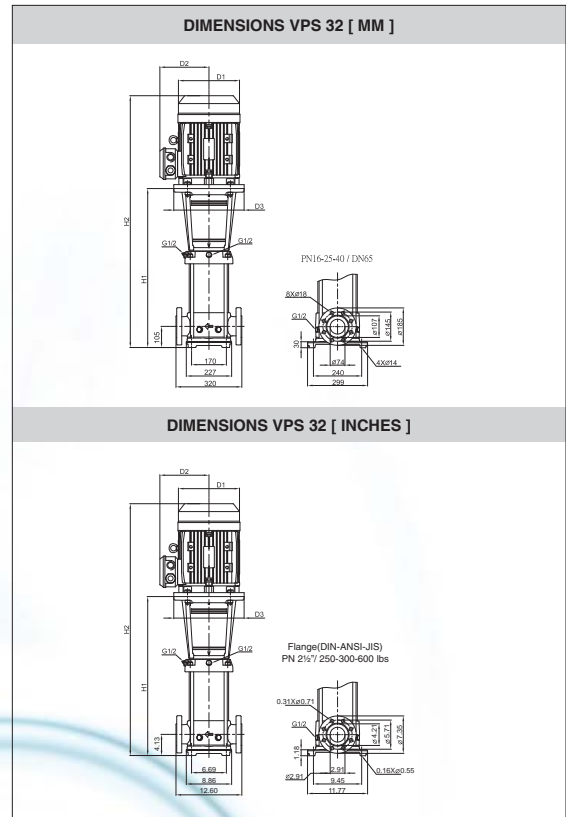
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC 20-1	3	16.34	415	27.2	690	6.9	175	5.5	140			114.92	52
VPC 20-2	5.5	16.54	420	29.7	755	8.6	219	6.4	162			148.07	67
VPC 20-3	7.5	19.57	497	33.7	857	9.2	234	7.8	199	11.8	300	204.20	92.4
VPC 20-4	10	21.34	542	37.1	942	9.2	234	7.8	199	11.8	300	227.19	102.8
VPC 20-5	15	26.14	664	43.7	1109	10.6	268	8.5	215	13.8	350	294.59	133.3
VPC 20-6	15	27.91	709	45.4	1154	10.6	268	8.5	215	13.8	350	297.69	134.7
VPC 20-7	20	29.69	754	48.9	1243	10.6	268	8.5	215	13.8	350	326.20	147.6
VPC 20-8	20	31.46	799	50.7	1288	10.6	268	8.5	215	13.8	350	329.29	149
VPC 20-10	25	35.00	889	56.1	1424	12.5	317	9.5	242	13.8	350	412.83	186.8



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

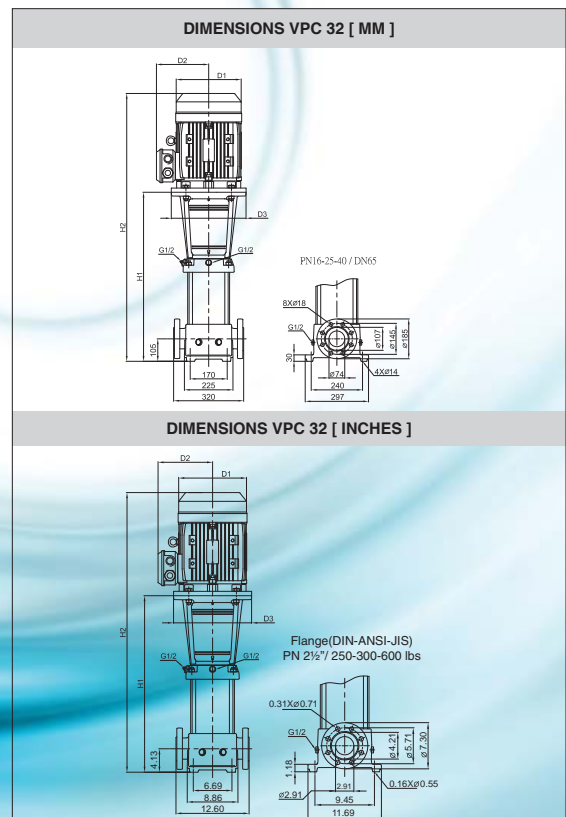
Dimensions and weights VPS 32

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 32-1-1	3.0	19.8	504	30.7	779	6.9	175	5.5	140	11.0	280	148.07	67
VPS 32-1	4.0	19.8	504	32.4	824	7.7	196	5.8	148	11.0	280	161.33	73
VPS 32-2-2	7.5	22.6	574	36.8	934	9.2	234	7.8	199	11.8	300	214.37	97
VPS 32-2-1	7.5	22.6	574	36.8	934	9.2	234	7.8	199	11.8	300	214.37	97
VPS 32-2	10.0	22.6	574	38.3	974	9.2	234	7.8	199	11.8	300	234.26	106
VPS 32-3-2	15.0	29.7	754	47.2	1199	10.6	268	8.5	215	13.8	350	313.82	142
VPS 32-3	15.0	29.7	754	47.2	1199	10.6	268	8.5	215	13.8	350	313.82	142
VPS 32-4-2	15.0	32.4	824	50.0	1269	10.6	268	8.5	215	13.8	350	320.45	145
VPS 32-4	20.0	32.4	824	51.7	1313	10.6	268	8.5	215	13.8	350	344.76	156
VPS 32-5-2	20.0	35.2	894	54.4	1383	10.6	268	8.5	215	13.8	350	351.39	159
VPS 32-5	25.0	35.2	894	56.3	1429	12.5	317	9.5	242	13.8	350	430.95	195
VPS 32-6-2	25.0	38.0	964	59.0	1499	12.5	317	9.5	242	13.8	350	435.37	197
VPS 32-6	25.0	38.0	964	59.0	1499	12.5	317	9.5	242	13.8	350	435.37	197
VPS 32-7-2	30.0	40.7	1034	63.5	1613	12.5	317	9.5	242	13.8	350	466.31	211
VPS 32-7	30.0	40.7	1034	63.5	1613	12.5	317	9.5	242	13.8	350	466.31	211
VPS 32-8-2	40.0	43.5	1104	68.0	1727	12.5	317	11.4	290	15.7	400	661.67	299.4
VPS 32-8	40.0	43.5	1104	68.0	1727	12.5	317	11.4	290	15.7	400	661.67	299.4
VPS 32-9-	40.0	46.2	1174	70.7	1797	12.5	317	11.4	290	15.7	400	667.42	302
VPS 32-9	40.0	46.2	1174	70.7	1797	12.5	317	11.4	290	15.7	400	667.42	302
VPS 32-10-2	40.0	49.0	1244	73.5	1867	12.5	317	11.4	290	15.7	400	673.17	304.6



Dimensions and weights VPC 32

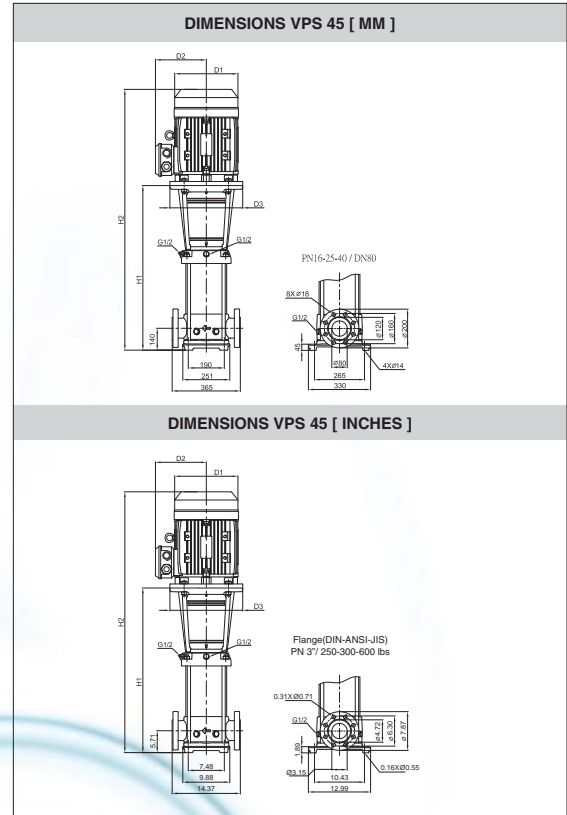
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC-32-1-1	3.0	19.84	504	30.7	779	6.9	175	5.5	140	11.0	280	158.02	71.5
VPC-32-1	4.0	19.84	504	32.4	824	7.7	196	5.8	148	11.0	280	171.28	77.5
VPC 32-2-2	7.5	22.60	574	36.8	934	9.2	234	7.8	199	11.8	300	223.87	101.3
VPC 32-2-1	7.5	22.60	574	36.8	934	9.2	234	7.8	199	11.8	300	224.09	101.4
VPC 32-2	10.0	22.60	574	38.3	974	9.2	234	7.8	199	11.8	300	224.09	101.4
VPC 32-3-2	15.0	29.69	754	47.2	1199	10.6	268	8.5	215	13.8	350	324.87	147
VPC 32-3	15.0	29.69	754	47.2	1199	10.6	268	8.5	215	13.8	350	324.87	147
VPC 32-4-2	15.0	32.44	824	50.0	1269	10.6	268	8.5	215	13.8	350	331.50	150
VPC 32-4	20.0	32.44	824	51.7	1313	10.6	268	8.5	215	13.8	350	355.81	161
VPC 32-5-2	20.0	35.20	894	54.4	1383	10.6	268	8.5	215	13.8	350	362.44	164
VPC 32-5	25.0	35.20	894	56.3	1429	12.5	317	9.5	242	13.8	350	439.79	199
VPC 32-6-2	25.0	37.95	964	59.0	1499	12.5	317	9.5	242	13.8	350	446.42	202
VPC 32-6	25.0	37.95	964	59.0	1499	12.5	317	9.5	242	13.8	350	446.42	202
VPC 32-7-2	30.0	40.71	1034	63.5	1613	12.5	317	9.5	242	13.8	350	476.92	215.8
VPC 32-7	30.0	40.71	1034	63.5	1613	12.5	317	9.5	242	13.8	350	476.92	215.8
VPC 32-8-2	40.0	43.46	1104	68.0	1727	12.5	317	11.4	290	15.7	400	672.28	304.2
VPC 32-8	40.0	43.46	1104	68.0	1727	12.5	317	11.4	290	15.7	400	672.28	304.2
VPC 32-9-	40.0	46.22	1174	70.7	1797	12.5	317	11.4	290	15.7	400	678.47	307
VPC 32-9	40.0	46.22	1174	70.7	1797	12.5	317	11.4	290	15.7	400	678.47	307
VPC 32-10-2	40.0	48.98	1244	73.5	1867	12.5	317	11.4	290	15.7	400	684.00	309.5



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

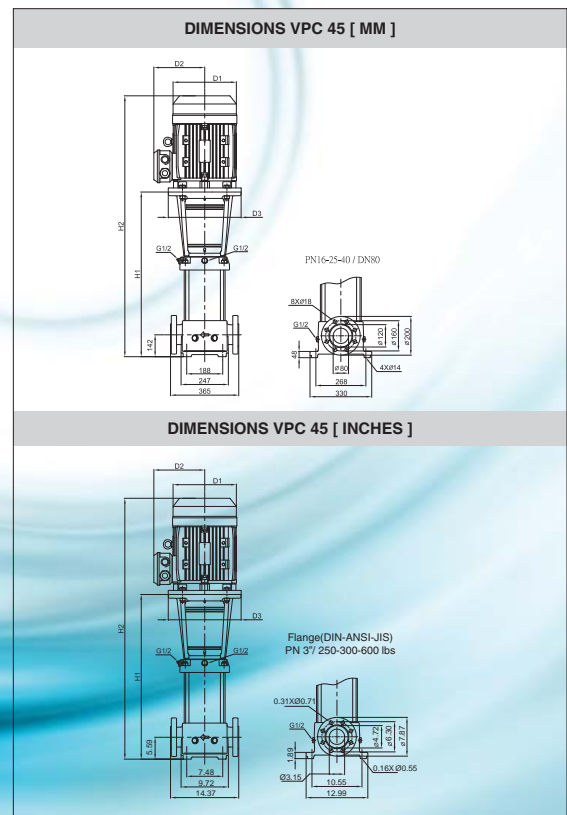
Dimensions and weights VPS 45

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 45-1-1	7.5	22.0	559	36.2	919	9.2	234	7.8	199	11.8	300	221.00	100
VPS 45-1	10.0	22.0	559	37.8	959	9.2	234	7.8	199	11.8	300	240.89	109
VPS 45-2-2	15.0	29.5	749	47.0	1194	10.6	268	8.5	215	13.8	350	322.66	146
VPS 45-2-1	15.0	29.5	749	47.0	1194	10.6	268	8.5	215	13.8	350	322.66	146
VPS 45-2	20.0	29.5	749	48.7	1238	10.6	268	8.5	215	13.8	350	346.97	157
VPS 45-3-2	25.0	32.6	829	53.7	1364	12.5	317	9.5	242	13.8	350	433.16	196
VPS 45-3-1	25.0	32.6	829	53.7	1364	12.5	317	9.5	242	13.8	350	433.16	196
VPS 45-3	25.0	32.6	829	53.7	1364	12.5	317	9.5	242	13.8	350	433.16	196
VPS 45-4-2	30.0	35.8	909	58.6	1488	12.5	317	9.5	242	13.8	350	466.31	211
VPS 45-4-1	40.0	35.8	909	60.3	1532	12.5	317	11.4	290	15.7	400	654.16	296
VPS 45-4	40.0	35.8	909	60.3	1532	12.5	317	11.4	290	15.7	400	654.16	296
VPS 45-5-2	40.0	38.9	989	63.5	1612	12.5	317	11.4	290	15.7	400	660.79	299
VPS 45-5-1	40.0	38.9	989	63.5	1612	12.5	317	11.4	290	15.7	400	660.79	299
VPS 45-5	40.0	38.9	989	63.5	1612	12.5	317	11.4	290	15.7	400	660.79	299
VPS 45-6-2	50.0	42.1	1069	70.6	1794	15.7	398	14.4	365	15.7	400	822.12	372
VPS 45-6-1	50.0	42.1	1069	70.6	1794	15.7	398	14.4	365	15.7	400	822.12	372
VPS 45-6	50.0	42.1	1069	70.6	1794	15.7	398	14.4	365	15.7	400	822.12	372
VPS 45-7-2	60.0	45.2	1149	73.8	1874	15.7	398	14.4	365	17.7	450	892.84	404
VPS 45-7-1	60.0	45.2	1149	73.8	1874	15.7	398	14.4	365	17.7	450	892.84	404
VPS 45-7	60.0	45.2	1149	73.8	1874	15.7	398	14.4	365	17.7	450	892.84	404



Dimensions and weights VPC 45

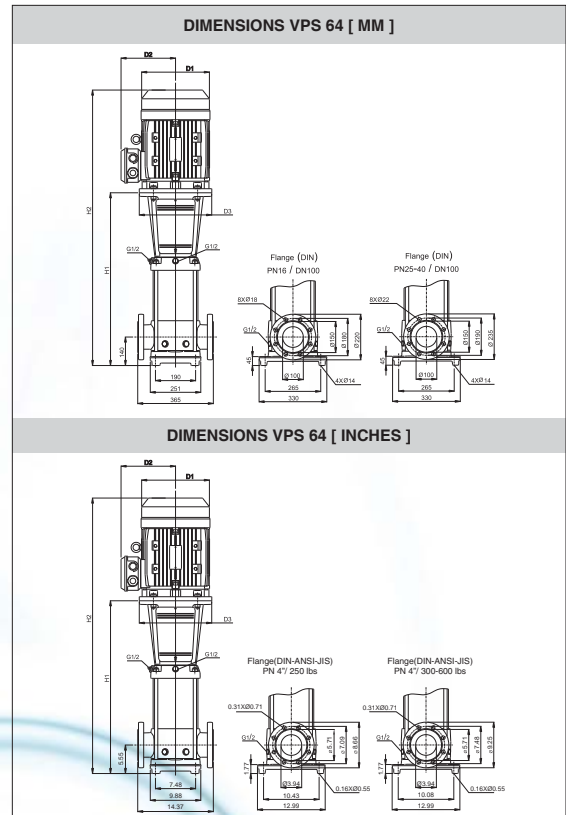
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC 45-1-1	7.5	22.09	561	36.3	921	9.2	234	7.8	199	11.8	300	240.89	109
VPC 45-1	10.0	22.09	561	37.8	961	9.2	234	7.8	199	11.8	300	260.78	118
VPC 45-2-2	15.0	29.57	751	47.1	1196	10.6	268	8.5	215	13.8	350	342.55	155
VPC 45-2-1	15.0	29.57	751	47.1	1196	10.6	268	8.5	215	13.8	350	342.55	155
VPC 45-2	20.0	29.57	751	48.8	1240	10.6	268	8.5	215	13.8	350	366.86	166
VPC 45-3-2	25.0	32.72	831	53.8	1366	12.5	317	9.5	242	13.8	350	453.05	205
VPC 45-3-1	25.0	32.72	831	53.8	1366	12.5	317	9.5	242	13.8	350	453.05	205
VPC 45-3	25.0	32.72	831	53.8	1366	12.5	317	9.5	242	13.8	350	453.05	205
VPC 45-4-2	30.0	35.87	911	58.7	1490	12.5	317	9.5	242	13.8	350	483.99	219
VPC 45-4-1	40.0	35.87	911	60.4	1534	12.5	317	11.4	290	15.7	400	671.84	304
VPC 45-4	40.0	35.87	911	60.4	1534	12.5	317	11.4	290	15.7	400	671.84	304
VPC 45-5-2	40.0	39.02	991	63.5	1614	12.5	317	11.4	290	15.7	400	680.68	308
VPC 45-5-1	40.0	39.02	991	63.5	1614	12.5	317	11.4	290	15.7	400	680.68	308
VPC 45-5	40.0	39.02	991	63.5	1614	12.5	317	11.4	290	15.7	400	680.68	308
VPC 45-6-2	50.0	42.17	1071	70.7	1796	15.7	398	14.4	365	15.7	400	842.01	381
VPC 45-6-1	50.0	42.17	1071	70.7	1796	15.7	398	14.4	365	15.7	400	842.01	381
VPC 45-6	50.0	42.17	1071	70.7	1796	15.7	398	14.4	365	15.7	400	842.01	381
VPC 45-7-2	60.0	45.31	1151	73.9	1876	15.7	398	14.4	365	17.7	450	910.52	412
VPC 45-7-1	60.0	45.31	1151	73.9	1876	15.7	398	14.4	365	17.7	450	910.52	412
VPC 45-7	60.0	45.31	1151	73.9	1876	15.7	398	14.4	365	17.7	450	910.52	412



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

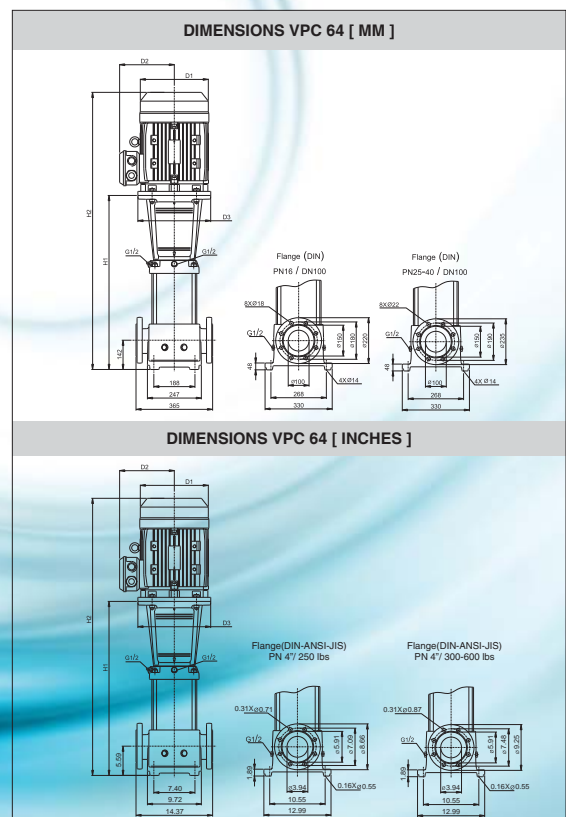
Dimensions and weights VPS 64

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 64-1-1	10	22.2	563	37.9	963	9.2	234	7.8	199	11.8	300	232.05	105.00
VPS 64-1	15	26.5	673	44.0	1118	10.6	268	8.5	215	13.8	350	307.19	139.00
VPS 64-2-2	20	29.8	756	49.0	1245	10.6	268	8.5	215	13.8	350	340.34	154.00
VPS 64-2-1	25	29.8	756	50.8	1291	12.5	317	9.5	242	13.8	350	415.48	188.00
VPS 64-2	30	29.8	756	52.6	1335	12.5	317	9.5	242	13.8	350	439.79	199.00
VPS 64-3-2	30	33.0	838	55.8	1417	12.5	317	9.5	242	13.8	350	448.63	203.00
VPS 64-3-1	40	33.0	838	57.5	1461	12.5	317	11.4	290	15.7	400	636.48	288.00
VPS 64-3	40	33.0	838	57.5	1461	12.5	317	11.4	290	15.7	400	636.48	288.00
VPS 64-4-2	50	36.3	921	64.8	1646	15.7	398	14.4	365	15.7	400	797.81	361.00
VPS 64-4-1	50	36.3	921	64.8	1646	15.7	398	14.4	365	15.7	400	797.81	361.00
VPS 64-4	60	36.4	925	65.0	1650	15.7	398	14.4	365	17.7	450	859.69	389.00
VPS 64-5-2	60	39.6	1007	68.2	1732	15.7	398	14.4	365	17.7	450	868.53	393.00



Dimensions and weights VPC 64

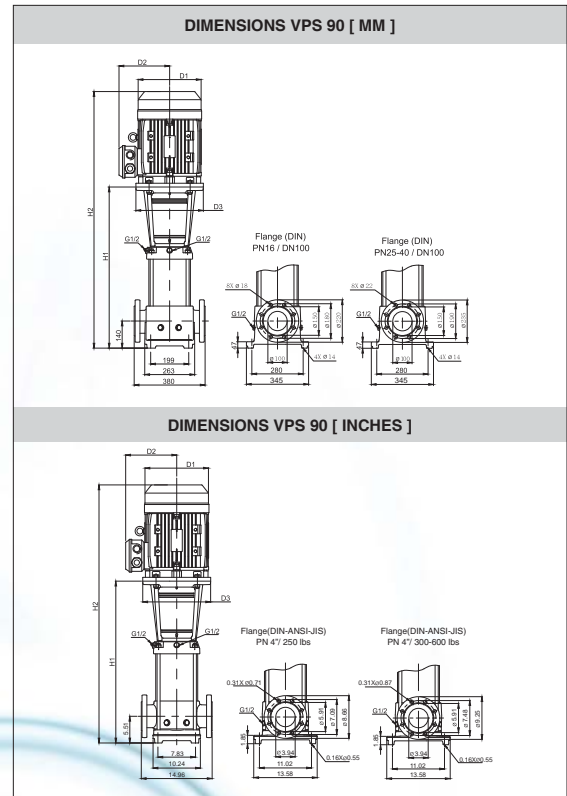
MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC 64-1-1	10	22.17	563	37.9	963	9.2	234	7.8	199	11.8	300	247.52	112
VPC 64-1	15	26.50	673	44.0	1118	10.6	268	8.5	215	13.8	350	320.45	145
VPC 64-2-2	20	29.76	756	49.0	1245	10.6	268	8.5	215	13.8	350	353.60	160
VPC 64-2-1	25	29.76	756	50.8	1291	12.5	317	9.5	242	13.8	350	430.95	195
VPC 64-2	30	29.76	756	52.6	1335	12.5	317	9.5	242	13.8	350	455.26	206
VPC 64-3-2	30	32.99	838	55.8	1417	12.5	317	9.5	242	13.8	350	466.31	211
VPC 64-3-1	40	32.99	838	57.5	1461	12.5	317	11.4	290	15.7	400	654.16	296
VPC 64-3	40	32.99	838	57.5	1461	12.5	317	11.4	290	15.7	400	654.16	296
VPC 64-4-2	50	36.26	921	64.8	1646	15.7	398	14.4	365	15.7	400	815.49	369
VPC 64-4-1	50	36.26	921	64.8	1646	15.7	398	14.4	365	15.7	400	815.49	369
VPC 64-4	60	36.42	925	65.0	1650	15.7	398	14.4	365	17.7	450	877.37	397
VPC 64-5-2	60	39.65	1007	68.2	1732	15.7	398	14.4	365	17.7	450	884.00	400



Vertical Multistage Centrifugal In-line Pumps with Pearl Motor

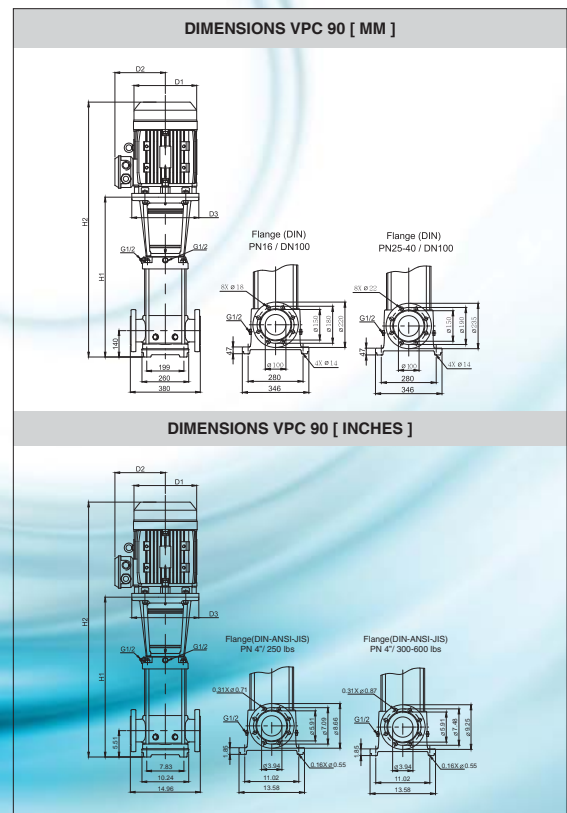
Dimensions and weights VPS 90

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPS SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPS 90-1-1	15	27.0	686	44.5	1131	10.6	268	8.5	215	13.8	350	329.29	149
VPS 90-1	20	27.0	686	46.3	1175	10.6	268	8.5	215	13.8	350	353.60	160
VPS 90-2-2	25	30.6	778	51.7	1313	12.5	317	9.5	242	13.8	350	442.00	200
VPS 90-2-1	30	30.6	778	53.4	1357	12.5	317	9.5	242	13.8	350	466.31	211
VPS 90-2	40	30.6	778	55.2	1401	12.5	317	11.4	290	15.7	400	654.16	296
VPS 90-3-2	50	34.3	870	62.8	1595	15.7	398	14.4	365	15.7	400	817.70	370
VPS 90-3-1	50	34.3	870	62.8	1595	15.7	398	14.4	365	15.7	400	817.70	370
VPS 90-3	60	34.3	870	62.8	1595	15.7	398	14.4	365	17.7	450	879.58	398
VPS 90-4-2	60	37.9	962	66.4	1687	15.7	398	14.4	365	17.7	450	895.05	405



Dimensions and weights VPC 90

MODEL	HP	DIMENSIONS AND WEIGHT FOR VPC SERIES											
		H1		H2		D1		D2		D3		NET WEIGHT	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
VPC 90-1-1	15	26.85	682	44.4	1127	10.6	268	8.5	215	13.8	350	351.39	159
VPC 90-1	20	26.85	682	46.1	1171	10.6	268	8.5	215	13.8	350	375.70	170
VPC 90-2-2	25	30.47	774	51.5	1309	12.5	317	9.5	242	13.8	350	464.10	210
VPC 90-2-1	30	30.47	774	53.3	1353	12.5	317	9.5	242	13.8	350	488.41	221
VPC 90-2	40	30.47	774	55.0	1397	12.5	317	11.4	290	15.7	400	676.26	306
VPC 90-3-2	50	34.09	866	62.6	1591	15.7	398	14.4	365	15.7	400	839.80	380
VPC 90-3-1	50	34.09	866	62.6	1591	15.7	398	14.4	365	15.7	400	839.80	380
VPC 90-3	60	34.09	866	62.6	1591	15.7	398	14.4	365	17.7	450	901.68	408
VPC 90-4-2	60	37.72	958	66.3	1683	15.7	398	14.4	365	17.7	450	917.15	415





Pearl

VPS - VPC

The materials used in the PEARL VERTICAL line covers a wide list of applications however, depending on the fluid and, its conditions, such as concentration, temperature, density, pressure and flow, the user will have to select different model and combine then with different mechanical seals.

The table below show the best choices of materials when are used the listed fluids, however is intended as a general guide only and cannot replace actual testing of the pumped liquids and pump materials under specific conditions.

VPC Series

Pumps with components in cast iron are recommended for a wide variety of liquids.

VPS Series

Pumps with all components in contact with the fluid in stainless steel are recommended for non corrosive liquids. The mayor applications are fluid transfer, circulation and pressure boosting of cold or hot clean water.

Pumped Liquids

MOTOR TYPE				NOMINAL CURRENT IN [A]			
HP	KW	Pole	Flange	Frame	1PH / 230 V	3PH / 230 V	3PH / 440 V
1.0	0.75			80	5.3	3.1	1.7
1.5	1.1			90S	8	4.8	2.6
2.0	1.5			90L	9.5	6	3.3
3.0	2.2			90L	12.7	8.1	4.6
5.5	4.0		B5	112L		14.4	7.5
7.5	5.5			132L		20.9	11.2
10.0	7.5			132M		31	14.7
15	11			160M			
20.0	15.0			160M			
25	18.5			160L			
30	22			180M			
40	30			180M			
50	37			200L			
60	45			200L			

Vertical Multistage Centrifugal In-line Pumps

Pumped Liquids

PUMPED FLUID	"FLUID CONCENTRATION, TEMPERATURE"	VPC / VPS		PUMPED FLUID	"FLUID CONCENTRATION, TEMPERATURE"	VPC / VPS	
		EPDM	Viton			EPDM	Viton
Acetic acid anhydride	25 °C			Motor oil	100%, 80 °C	•	
Alkaline cleaner		•		Oil-water-mixture	100 °C		•
Aluminium sulphate	10%, 25 °C			Oxalic acid	1%, 20 °C		
Ammonia water (A.hydroxide)	20%, 40 °C	•		Peanut oil	100%, 80 °C		•
Ammonia hydrogen carbonate	10%, 40 °C	•		Phosphoric acid	20%, 20 °C		
Benzoic acid	10%, 90 °C			Polyglycols	90 °C		•
Boric acid	Unsaturated solution, 60 °C			Polyethylene glycols	40%, 70 °C	•	
Butanol	60 °C	•		Potassium carbonate	10%, 60 °C	•	
Calcium acetate	30%, 50 °C	•		Potassium hydrogen carbonate	10%, 60 °C	•	
Calcium hydroxide	Saturated solution, 50 °C	•		Potassium permanganate	5%, 20 °C		
Chromic acid	1%, 20 °C			Potassium sulphate	Unsaturated solution, 80 °C		
Condensate	90 °C	•		Rapessed oil	100%, 80 °C		•
Copper sulphate	Unsaturated solution, 60 °C			Silicone oil	100%		•
Deionic (fully desalinated water)	50 °C			Sodium carbonate	10%, 60 °C		
Ethanol	100%, 20 °C	•		Sodium hydroxide	25%, 50 °C		
Ethylene glycol / Diethylene glycol	40%, 70 °C	•	•	Sodium nitrate	Unsaturated solution, 80 °C		
Fixer	25 °C			Sodium phosphate	5%, 100 °C		
Formic acid	5%, 20 °C			Sodium sulphate	10%, 60 °C		
Fruit juice	50 °C			Sulphuric acid	5%, 25 °C		
Glycerine	50%, 50 °C	•		Water			
Heating oil (Light)		•		Swimming pool water	35 °C	•	
Hydraulic oil	100%, 100 °C		•	Deionic	50 °C		
Isopropanol		•		Distilled water	50 °C		
Lactic acid	10%, 20 °C			Decarbonated water			
Linoleic acid	100%, 20 °C	•		Soft water			
Linseed oil	60 °C		•	Heating water			
Liqueur	60 °C			Boiler water			
Maize oil	80 °C		•	Pure water			
Maleic acid	50%, 50 °C			Rinsing water		•	
Methanol	100%, 20 °C	•					



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