

vertical pumps 50 Hz

dp pumps



■ technical data



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Stainless steel pumps

Excellence in stainless

For decades DP-Pumps has been specialised in vertical pumps. A Dutch company in competition with big multinationals in the world market. The success of DP-Pumps lies in the innovation of her products coming from a combination of smart thinking and common sense. The optimal involvement of our employees plus a natural urge for improvement creates an environment in which Total Quality Management is self-evident. The latest result of DP-Pumps' R&D department is the vertical pump DPVE, a pump specially developed for booster sets, which from now on will set the trend.

Excellence in stainless steel technology

The most exceptional merit of the DPV series is that all wetted parts are made of stainless steel AISI 304 (DPV series) or stainless steel AISI 316 (DPVS series). For normal water the DPV series (stainless steel AISI 304) fulfils, for water containing more aggressive elements the DPVS series (stainless steel AISI 316) will be appropriate.

The existing deep draw and welding technology has been significantly improved. Through this technology more durable and lighter stainless steel pump parts can be produced. The use of stainless steel for all wetted parts prevents corrosion.



DPVE


dp pumps is ISO-9001
 and ISO-14001 certified.



Innovate with vision

steel technology

Of course DP-Pumps is there to serve you with tailor made advice. Please feel free to contact us.



One solution for many applications

Traditionally the building industry is one of the most important application fields for vertical pumps.

The service friendly, compact DPVE has been specially developed for booster sets, but also for sprinklers, fire-fighting and airconditioning installations. Some of the applications in which DPV pumps can be used are: water treatment, boiler feed, cleaning appliances, cooling and marine applications.

DPV 14 and DPV 24: low noise level, long working life.

In numerous cases extra demands are specified in relation to the noise level of pumps. Specially for applications in housing, DP-Pumps developed a low-speed pump. The DPV14 and DPV24 are equipped with a 1425 min⁻¹ motor. Not only producing a particularly low noise level, but also guaranteeing an extra long working life. The other DPV types are equipped with 2850 min⁻¹ motors.

FEATURES

Construction with less parts for quick & easy assembly

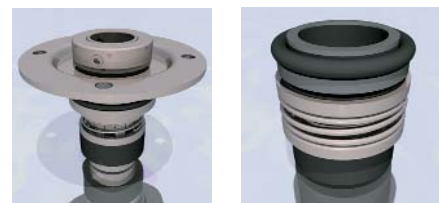
Top bracket

One-piece casting ensures maximum stability. Stainless steel inlay for maximum corrosion resistance. The height of the top bracket is related to the shaft seal and the electrical motor connection.



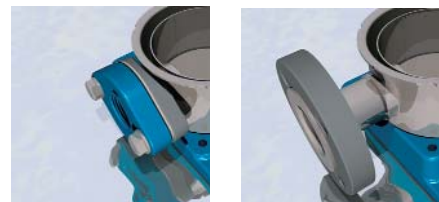
Shaft sealing

Spring loaded DIN seal with bellow construction and the fit to purpose material combinations, ensure long lifetime. For models with heavy motors a cartridge version is provided, which enables seal exchange without removing the motor.



Suction discharge casing

The separate base plate has undergone a special corrosion resistance treatment. Entire housing made of stainless steel. Flange connection rotates to match flange and bolt orientation. Victaulic connection available on selected series.



Built-in check valve

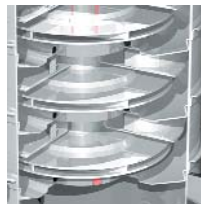
The DPVE suction discharge casing has an integrated check valve.



Tailormade solutions



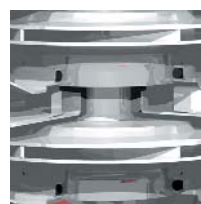
Stainless steel pump shaft
Flat faces on shaft for strong shaft/impeller construction.



Stainless steel diffuser
Special design reduces internal losses, which improves the efficiency of the pump.

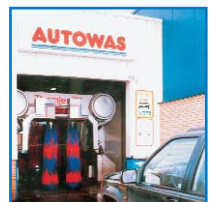


Sleeve sealing
Sleeve construction ensures total compensation of thermal expansion. Specially shaped o-ring grooves for optimal sealing.



Pump shaft bearings
A combination of tungsten-carbide and ceramic is used for the pump shaft bearing.

APPLICATIONS



Booster sets

Boiler feed

Water treatment

Irrigation

Sprinkler installations

Carwash

Fire fighting

Cooling water transport

Marine applications

Chemical industry

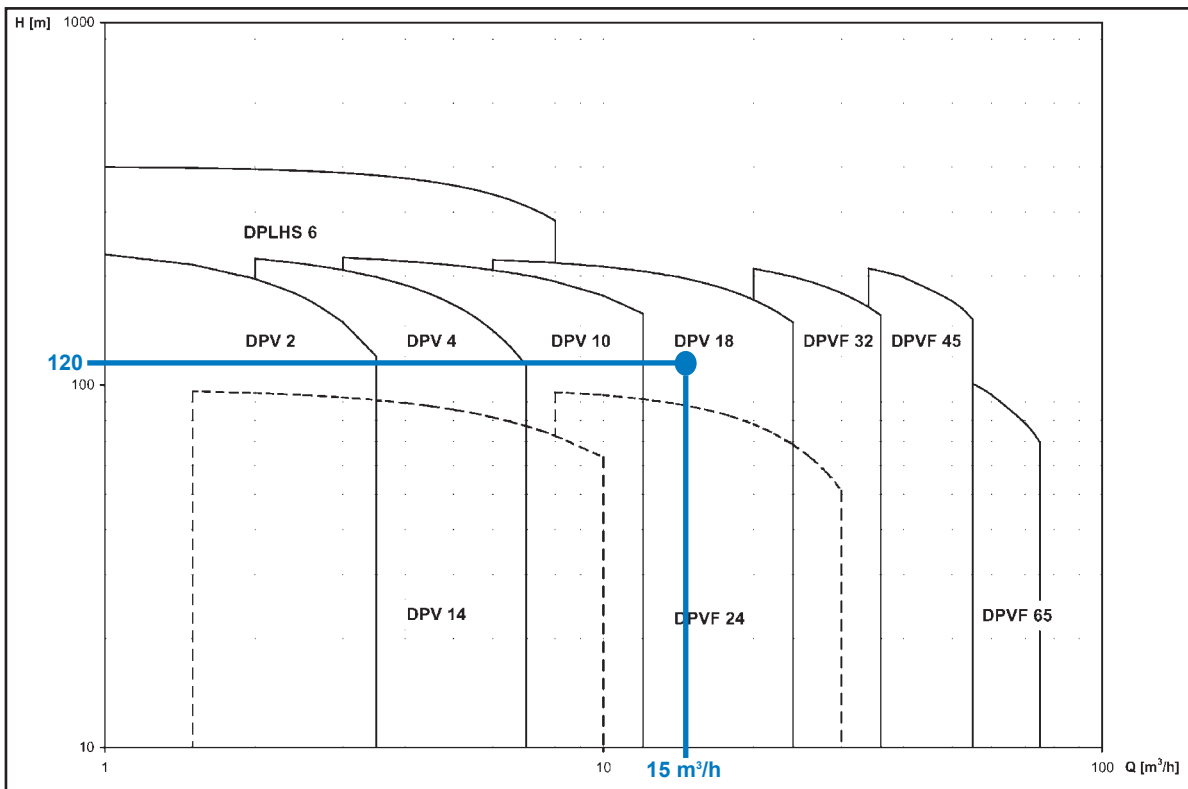
Processing industry

Food processing industry



MODEL IDENTIFICATION

Pumptype	DPVS	F	45	- 50	- 1	
Basic materials	DPV					DP Vertical pumps in AISI 304 (1.4301).
	DPVE					DP Vertical pumps in AISI 304 (1.4301). Male thread with built-in non-return valve on discharge side.
	DPVS					DP Vertical pumps in superior grade AISI 316 (1.4401).
	DPLHS					DP Vertical pumps in superior grade AISI 316 (1.4401) 40 Bar.
Pump connections						Oval counterflanges with female thread (DPLHS round flanges).
		F				Round flanges DIN, JIS or ANSI.
		V				Victaulic connection.
Model/flow			45			Pump model indicates nominal flow in [M ³ /h].
Stages/head				- 50		Indicates number of impeller stages (50=5).
					- 1	One stage with half head impeller (only available on DPVF 45).









Selectionexample: 15 m³/h - 120 m. (selected: DPV 18)

MATERIAL SPECIFICATION




Pumpseries	DPVE	DPV	DPVS	DPLHS
Material specification				
Pump shaft and bushes	AISI 303 (1.4305)		AISI 316 (1.4401)	
Impeller, diffuser, suction/discharge casing, sleeve	AISI 304 (1.4301)		AISI 316L (1.4404)	
Base plate	GG20 (GJL-200)	GG25 (GJL-250)		-
Top bracket	GG25 (GJL-250)			AISI 316 (1.4408)
(Collar) flange	-	GGG40 (GJS-400)		AISI 316 (1.4408)
Elastomers	EPDM		Viton®	
Liquid lubricated bearings	-	ceramic/tungsten-carbide		
Deaerating and drain plug	brass		AISI 316 (1.4401)	
Duty range				
Temperature range [°C]	-15 to 60		-15 to 120	
Max. ambient temperature [°C]	50			



PUMP CONNECTIONS

					
Pump series	DPVE	DPV(S)	DPV(S)F	DPV(S)V	DPLHS
Pressure class	PN10	PN16	PN25		PN40
Connections	male thread	oval flange	round sliding flange	victaulic connection	round cast flange
Norm	G NEN ISO 228	G NEN ISO 228	DIN EN 1092-2 PN25	-	DIN EN 1092-2 PN40
Optional	-	Rc NEN EN 10226	ANSI B 16.1 cl.250 JIS B2238 16K	-	ANSI B 16.5 cl. 600
Counter-connections	optional	oval counterflange included (female thread)	optional		
DPVE 2	G 1 ^{1/2}	-	-	-	-
DPVE 4	G 1 ^{1/2}	-	-	-	-
DPV 2	-	G 1	DN 25	32 mm	-
DPV 4	-	G 1 ^{1/4}	DN 32	32 mm	-
DPV 10	-	G 1 ^{1/2}	DN 40	50 mm	-
DPV 14	-	G 1 ^{1/4}	-	50 mm	-
DPV 18	-	G 2	DN 50	50 mm	-
DPVF 24	-	-	DN 65	-	-
DPVF 32	-	-	DN 65	-	-
DPVF 45	-	-	DN 80	-	-
DPVF 65	-	-	DN 100	-	-
DPLHS 6	-	-	-	-	DN 40

SHAFT SEAL

Shaft seal				
Pump series		DPV(S) DPVE	DPV(S)F 24, 32, 45 ≥ 7,5 kW and DPV(S)F 65 range	DPLHS 6
Seal type		bellow seal	bellow / cartridge seal	spring loaded high pressure seal
According to (norm)		DIN 24960		
max. working pressure 1000 [kPa]	dynamic	Carbon	-	
	stationary	Silicon carbide	-	
max. working pressure 2500 [kPa]	dynamic	Silicon carbide	-	
	stationary	Carbon	-	
max. working pressure 4000 [kPa]	dynamic	-	Carbon	
	stationary	-	Tungsten carbide	
Secondary sealings DPV		EPDM	-	
Secondary sealings DPVS and DPLHS		Viton®		

Options		
Dynamic part	Silicon carbide	-
Stationary part	Silicon carbide	-
Secondary sealings	Viton® or EPDM	-



MOTOR SPECIFICATIONS

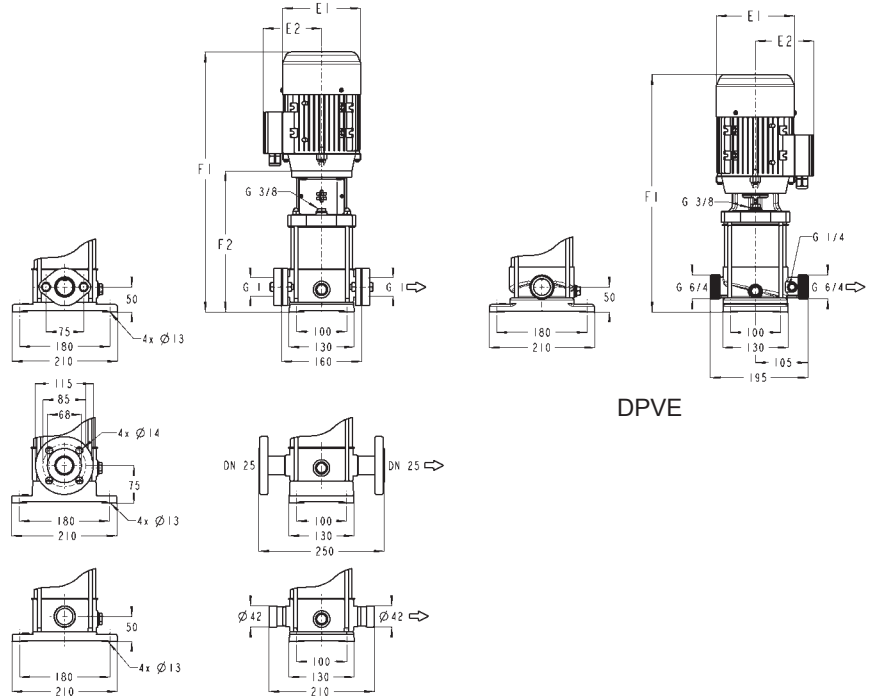
Motor specifications:

- Specially developed three-phase improved efficiency motors according to IEC standard.
- Nominal power supply [V] : 380 and 420
- Frequency [Hz] : 50
- Nominal rotation speed [min⁻¹] : 1425 or 2850
- Protection class : IP55
- Insulation class : F
- Efficiency class : eff2

2 Pole - 3 Phase 50Hz													
P [kW]	η [%]	L _p [dB(A)]	Max. Starts [h ⁻¹]	n [min ⁻¹]	I max[A]								
					Δ			▲					
					Δ			▲			▲		
					220V	230V	240V	380V	400V	420V	660V	692V	725V
0,37	70,0	64	50	2730	1,9	1,8	1,8	1,1	1,1	1,0			
0,55	75,0	64	50	2765	2,8	2,7	2,6	1,6	1,6	1,5			
0,75	79,0	66	50	2890	3,6	3,5	3,3	2,1	2,0	1,9			
1,10	84,0	66	50	2920	5,2	5,0	4,8	3,1	2,9	2,8			
1,50	78,0	65	30	2840	7,1	6,8	6,4	4,1	3,9	3,7			
2,20	81,5	65	30	2845	9,9	9,4	8,9	5,7	5,4	5,2			
3,00	83,5	67	20	2895	12,6	12,0	11,4	7,3	6,9	6,6	4,2	4,0	3,8
4,00	85,0	69	20	2915	16,3	15,5	14,7	9,4	8,9	8,5	5,4	5,2	4,9
5,50	86,0	69	15	2910	22,8	21,6	20,6	13,2	12,5	11,9	7,6	7,2	6,9
7,50	87,0	69	12	2900	28,6	27,1	25,9	16,5	15,7	15,0	9,6	9,1	8,6
11,00	88,5	76	11	2935	46,0	43,9	42,4	26,5	25,4	24,5	15,3	14,7	14,2
15,00	90,0	76	10	2930	59,0	55,7	53,6	34,0	32,2	31,0	19,7	18,6	17,9
18,50	91,0	76	10	2940	72,0	67,9	65,7	41,5	39,2	38,0	24,0	22,6	22,0
22,00	91,0	76	10	2935	84,5	81,3	77,8	49,0	46,9	45,0	28,3	27,1	26,0
30,00	91,5	84	6	2945	96,7	92,5	88,7	56,0	53,2	50,7	35,8	34,3	32,6
37,00	92,2	86	6	2951	116,9	111,9	107,2	67,7	64,3	61,3	39,0	38,0	38,0

4 Pole - 3 Phase 50Hz													
P [kW]	η [%]	L _p [dB(A)]	Max. Starts [h ⁻¹]	n [min ⁻¹]	I max[A]								
					Δ			▲					
					Δ			▲			▲		
					220V	230V	240V	380V	400V	420V	660V	692V	725V
0,55	70,0	58	50	1390	2,8	2,7	2,5	1,6	1,5	1,4			
0,75	74,0	58	50	1385	3,6	3,4	3,3	2,1	2,0	1,9			
1,10	76,0	58	50	1415	5,7	5,4	5,2	3,3	3,1	3,0			
1,50	78,5	58	50	1420	7,3	7,0	6,7	4,3	4,1	3,9			
2,20	81,0	62	50	1420	10,3	9,8	9,4	6,0	5,7	5,4			
3,00	82,7	62	15	1415	13,3	13,3	12,1	7,7	7,7	7,0	4,5	4,5	4,0
4,00	84,5	62	15	1445	16,9	17,0	15,6	9,8	10,0	9,0	5,8	5,8	5,2
5,50	86,0	62	10	1450	22,8	21,7	21,7	13,2	12,5	12,5	7,6	7,2	7,2
7,50	87,5	62	10	1455	30,4	30,4	30,5	17,6	17,6	17,6	10,6	10,2	10,2
11,00	88,5	64	10	1450	41,9	41,9	41,9	24,2	24,2	24,2	12,5	14,0	14,0
15,00	90,0	64	10	1460	57,2	52,9	51,0	33,0	30,5	29,5	19,1	17,7	17,0

DPV 2 DPVE 2



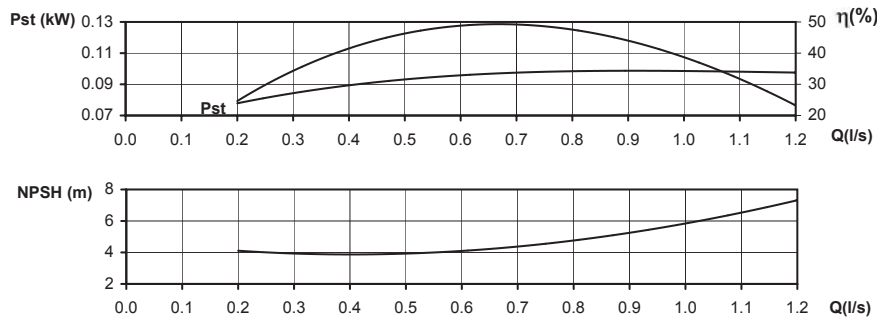
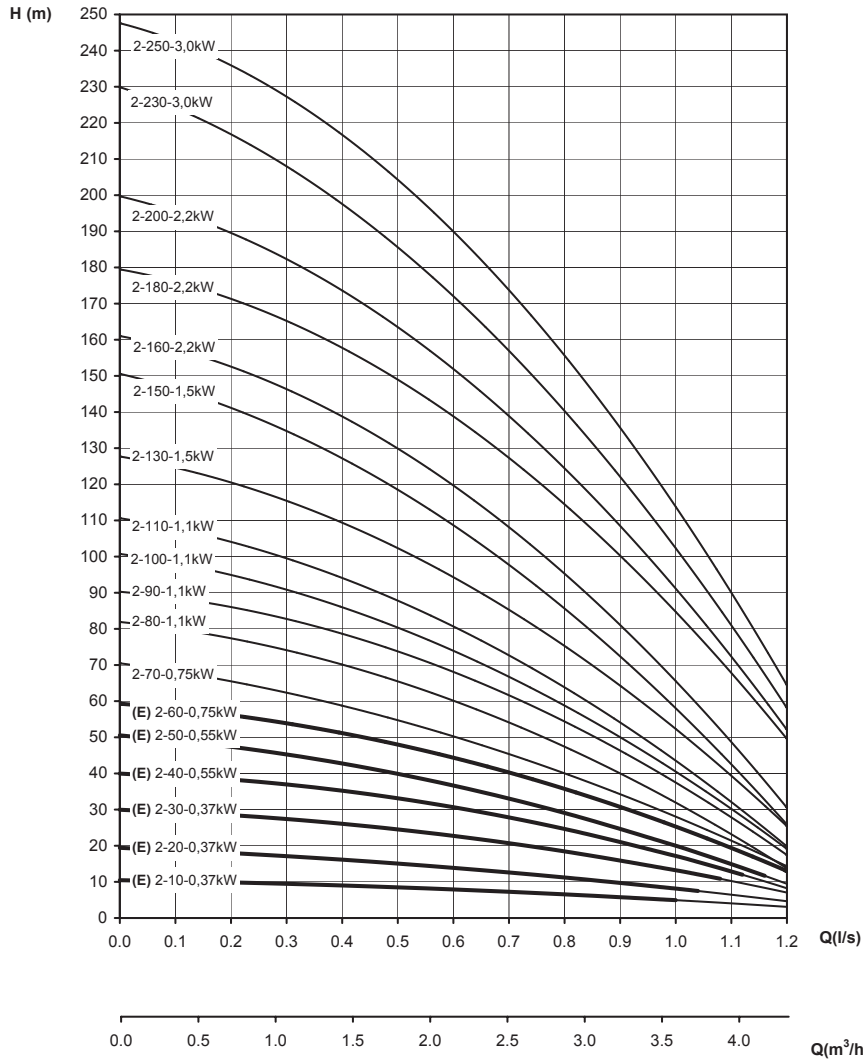
DPVE

Pump type DPV(S)(F)(V)(E)	General				DPV(S)(V)				DPV(S)(F)				DPVE				
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions E1 [mm]	Dimensions E2 [mm]	Dimensions F1 [mm]	Net weight [kg]	Gross weight [kg]
2-10	0,37	143	93	0,042	433	232	13	17	458	257	14	16	138	110	431	11	13
2-20	0,37	143	93	0,042	433	232	13	17	458	257	14	16	138	110	431	11	13
2-30	0,37	143	93	0,042	454	253	14	17	479	278	14	16	138	110	452	12	14
2-40	0,55	143	93	0,042	475	274	15	19	500	299	16	18	138	110	473	13	15
2-50	0,55	143	93	0,042	496	295	16	19	521	320	16	18	138	110	494	14	16
2-60	0,75	160	101	0,049	553	326	17	21	578	351	18	20	156	120	554	19	21
2-70	0,75	160	101	0,049	574	347	18	21	599	372	18	21					
2-80	1,10	160	101	0,049	595	368	20	23	620	393	20	22					
2-90	1,10	160	101	0,049	616	389	20	24	641	414	21	23					
2-100	1,10	160	101	0,049	637	410	21	24	662	435	22	24					
2-110	1,10	160	101	0,055	658	431	21	25	683	456	24	24					
2-130	1,50	174	142	0,055	739	483	27	31	764	508	28	30					
2-150	1,50	174	142	0,069	781	525	28	32	806	550	29	31					
2-160	2,20	174	142	0,069	827	546	31	35	852	571	32	35					
2-180	2,20	174	142	0,069	869	588	32	36	894	613	33	36					
2-200	2,20	174	142	0,069	911	630	33	37	936	655	34	37					
2-230	3,00	198	155	0,114	1017	703	43	49	1042	728	44	49					
2-250	3,00	198	155	0,114	1059	745	44	50	1084	770	45	50					



DPV 2 DPVE 2

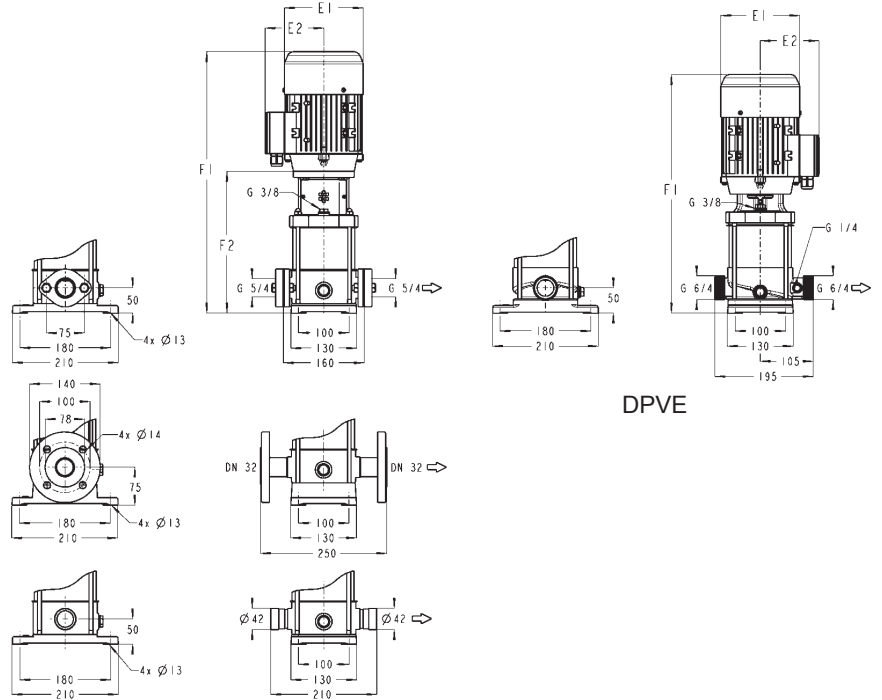
Performance curve
according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



H (m)
1 m = 1,42 Psi
3,28 feet
9,806 kPa
0,098 Bar

Q (l/s)
1 l/s = 15,85 US.Gpm
13,20 Imp.Gpm
60 l/min

DPV 4 DPVE 4

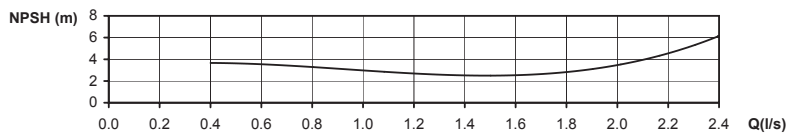
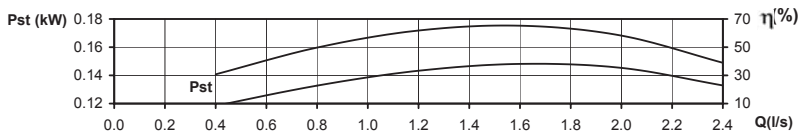
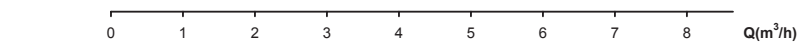
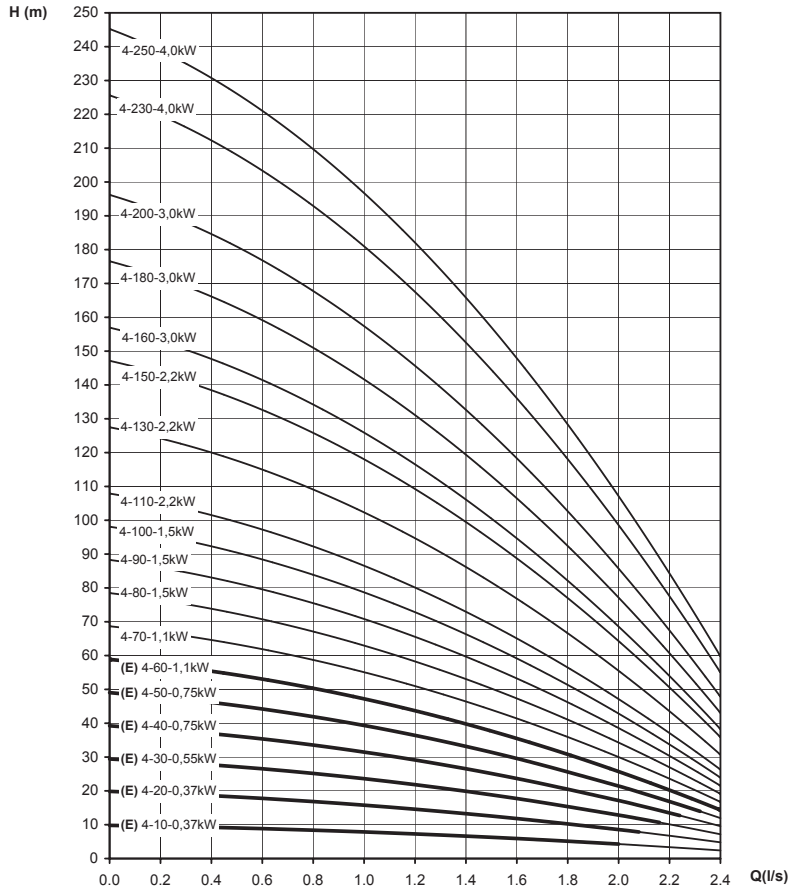


Pump type DPV(S)(F)(V)(E)	General				DPV(S)(V)				DPV(S)(F)				DPVE				
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions E1 [mm]	Dimensions E2 [mm]	Dimensions F1 [mm]	Net weight [kg]	Gross weight [kg]
4-10	0,37	143	93	0,042	433	232	13	17	458	257	13	15	138	110	431	11	13
4-20	0,37	143	93	0,042	433	232	13	17	458	257	13	15	138	110	431	11	13
4-30	0,55	143	93	0,042	454	253	15	18	479	278	15	17	138	110	452	13	15
4-40	0,75	160	101,5	0,042	511	284	16	20	536	309	16	18	156	120	512	18	20
4-50	0,75	160	101,5	0,042	532	305	17	20	557	330	17	19	156	120	533	19	21
4-60	1,10	160	101,5	0,049	553	326	19	22	578	351	19	21	156	120	554	21	23
4-70	1,10	160	101,5	0,049	574	347	19	23	599	372	19	21					
4-80	1,50	174	142	0,049	634	378	25	28	659	403	25	27					
4-90	1,50	174	142	0,055	655	399	25	29	680	424	25	28					
4-100	1,50	174	142	0,055	676	420	26	29	701	445	26	28					
4-110	2,20	174	142	0,055	722	441	29	33	747	466	29	32					
4-130	2,20	174	142	0,069	764	483	30	34	789	508	30	33					
4-150	2,20	174	142	0,069	806	525	31	35	831	550	31	34					
4-160	3,00	198	155	0,095	870	556	40	45	895	581	42	46					
4-180	3,00	198	155	0,095	912	598	41	46	937	623	42	47					
4-200	3,00	198	155	0,114	954	640	42	48	979	665	43	48					
4-230	4,00	224	168	0,114	1026	703	49	55	1051	728	51	56					
4-250	4,00	224	168	0,114	1068	745	50	56	1093	770	52	57					



DPV 4 DPVE 4

Performance curve
according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



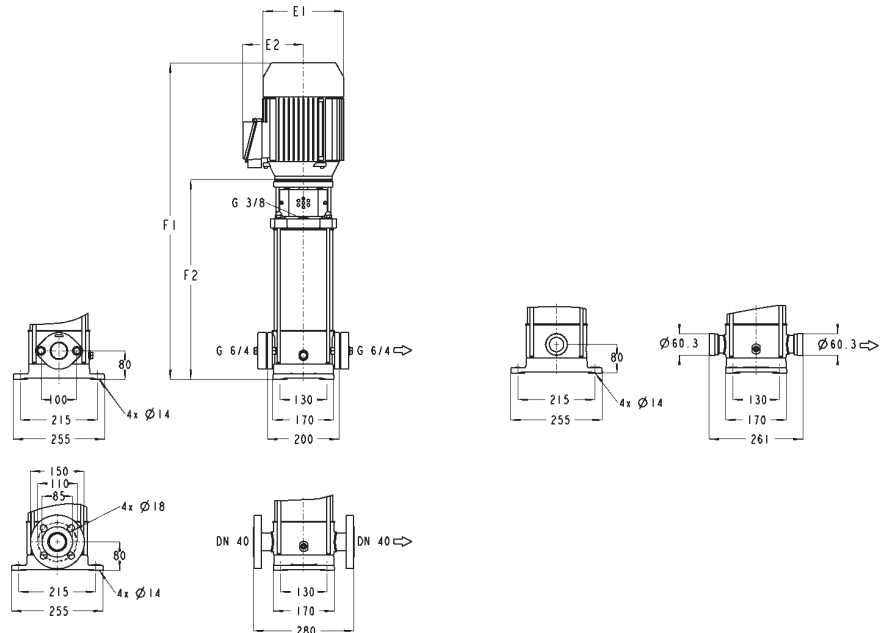
H (m)

1 m = 1,42 Psi
3,28 feet
9,806 kPa
0,098 Bar

Q (l/s)

1 l/s = 15,85 US.Gpm
13,20 Imp.Gpm
60 l/min

DPV 10



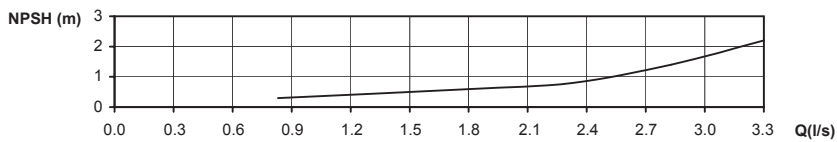
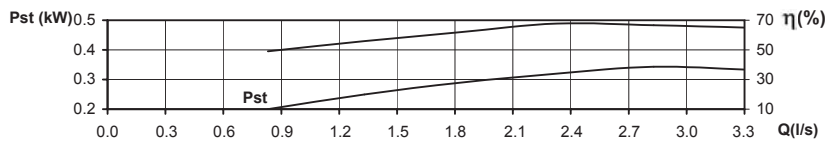
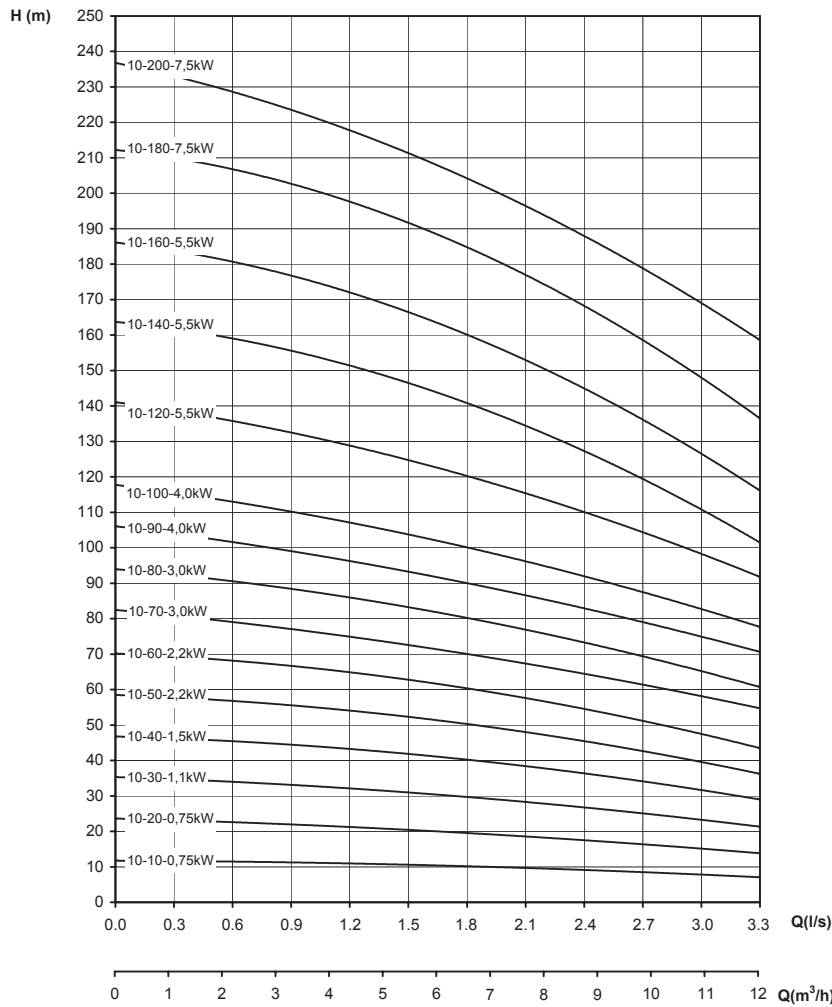
Pump type DPV(S)(F)(V)	Motor power [kW]	General		DPV(S)				DPV(S)F				DPVSV				
		Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
10-10	0,75	160	102	0,066	549	322	21	28	~	~	~	~	549	322	21	28
10-20	0,75	160	102	0,066	549	322	21	28	~	~	~	~	549	322	21	28
10-30	1,1	160	102	0,066	576	349	23	30	~	~	~	~	576	349	23	30
10-40	1,5	174	142	0,076	642	386	29	35	~	~	~	~	642	386	29	35
10-50	2,2	174	142	0,076	694	413	33	39	~	~	~	~	694	413	33	39
10-60	2,2	174	142	0,076	721	440	33	40	~	~	~	~	721	440	33	40
10-70	3	198	155	0,095	791	477	43	50	~	~	~	~	791	477	43	50
10-80	3	198	155	0,095	818	504	44	50	~	~	~	~	818	504	44	50
10-90	4	224	168	0,095	854	531	51	57	~	~	~	~	854	531	51	57
10-100	4	224	168	0,095	881	558	51	58	~	~	~	~	881	558	51	58
10-120	5,5	225	168	0,112	974	632	65	84	~	~	~	~	974	632	65	84
10-140	5,5	225	168	0,112	1028	686	66	85	~	~	~	~	1028	686	66	85
10-160	5,5	225	168	0,112	~	~	~	~	1082	740	69	86	1082	740	68	86
10-180	7,5	225	168	0,133	~	~	~	~	1163	794	74	92	1163	794	73	94
10-200	7,5	225	168	0,133	~	~	~	~	1217	848	76	94	1217	848	75	95



DPV 10

Performance curve

according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



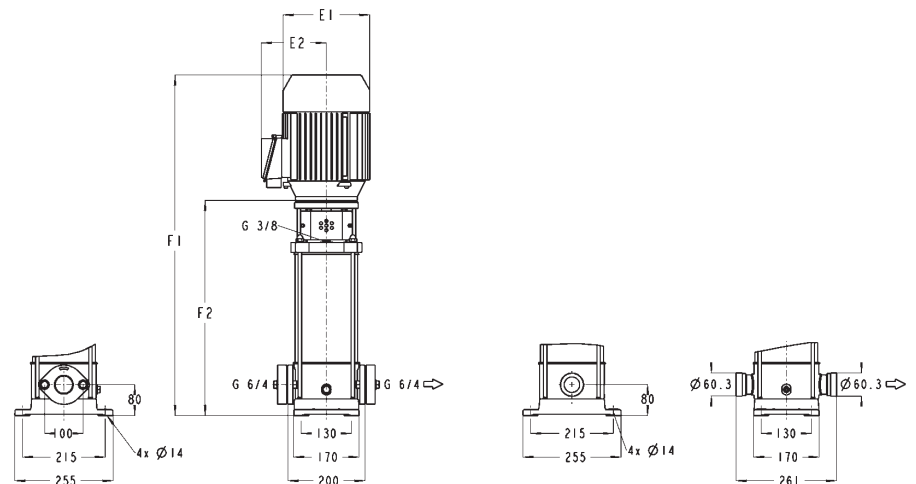
H (m)

1 m = 1,42 Psi
3,28 feet
9,806 kPa
0,098 Bar

Q (l/s)

1 l/s = 15,85 US.Gpm
13,20 Imp.Gpm
60 l/min

DPV 14

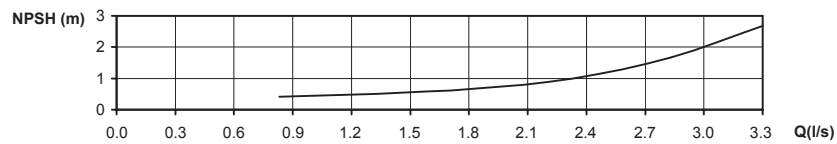
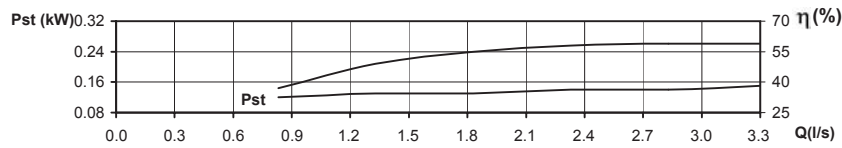
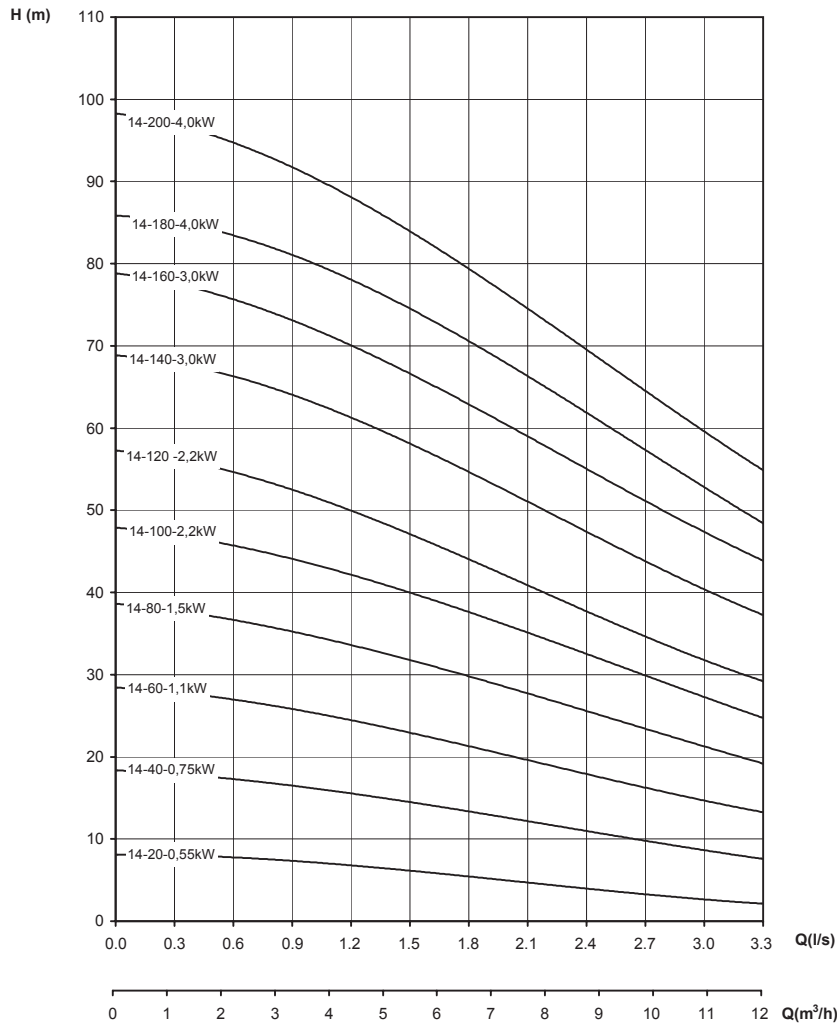


Pumptype DPV(S)(F)(V)	General				DPV(S)(V)			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
14- 20	0,55	158	101	0,066	551	322	23	29
14- 40	0,75	158	101	0,066	605	376	24	31
14- 60	1,1	176	114	0,076	684	440	33	40
14- 80	1,5	176	114	0,095	763	494	35	41
14- 100	2,2	196	126	0,095	861	558	41	48
14- 120	2,2	196	126	0,095	915	612	43	50
14- 140	3	198	155	0,114	980	666	49	57
14- 160	3	198	155	0,114	1034	720	51	58
14- 180	4	224	168	0,114	1097	774	62	69
14- 200	4	224	168	0,219	1151	828	63	77



DPV 14

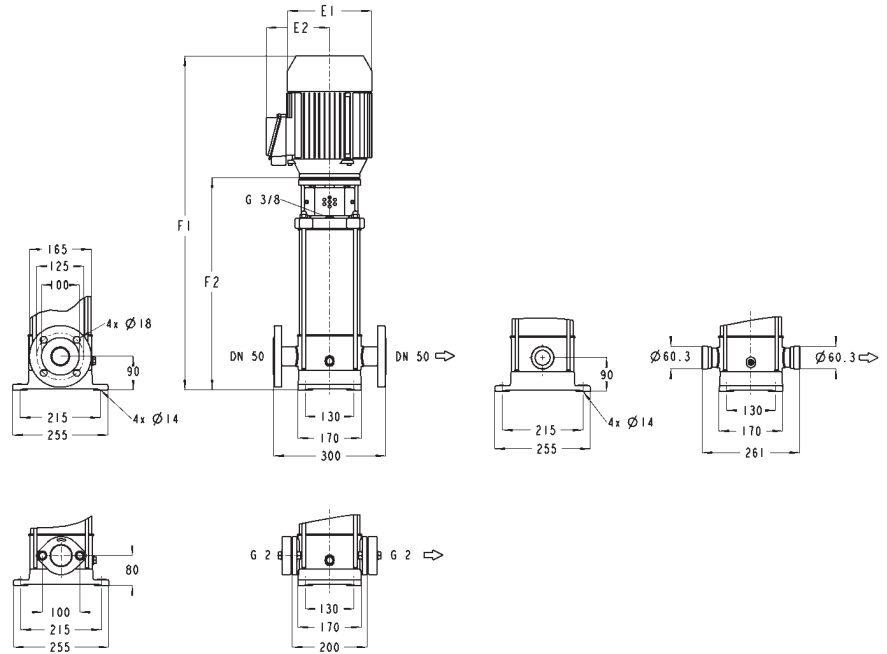
Performance curve
 according to:
 DIN 2548 Class C
 50 Hz 1425 min⁻¹



H (m)
1 m = 1,42 Psi
 3,28 feet
 9,806 kPa
 0,098 Bar

Q (l/s)
1 l/s = 15,85 US.Gpm
 13,20 Imp.Gpm
 60 l/min

DPV 18

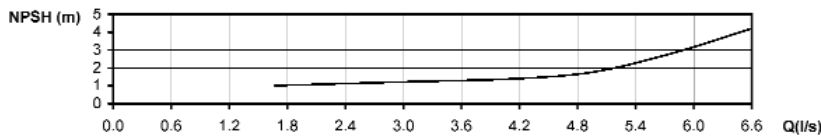
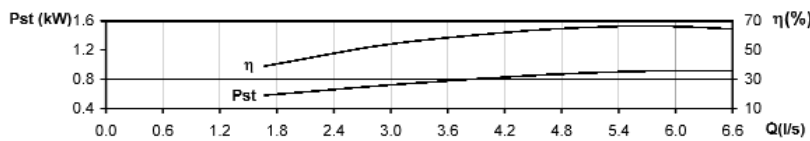
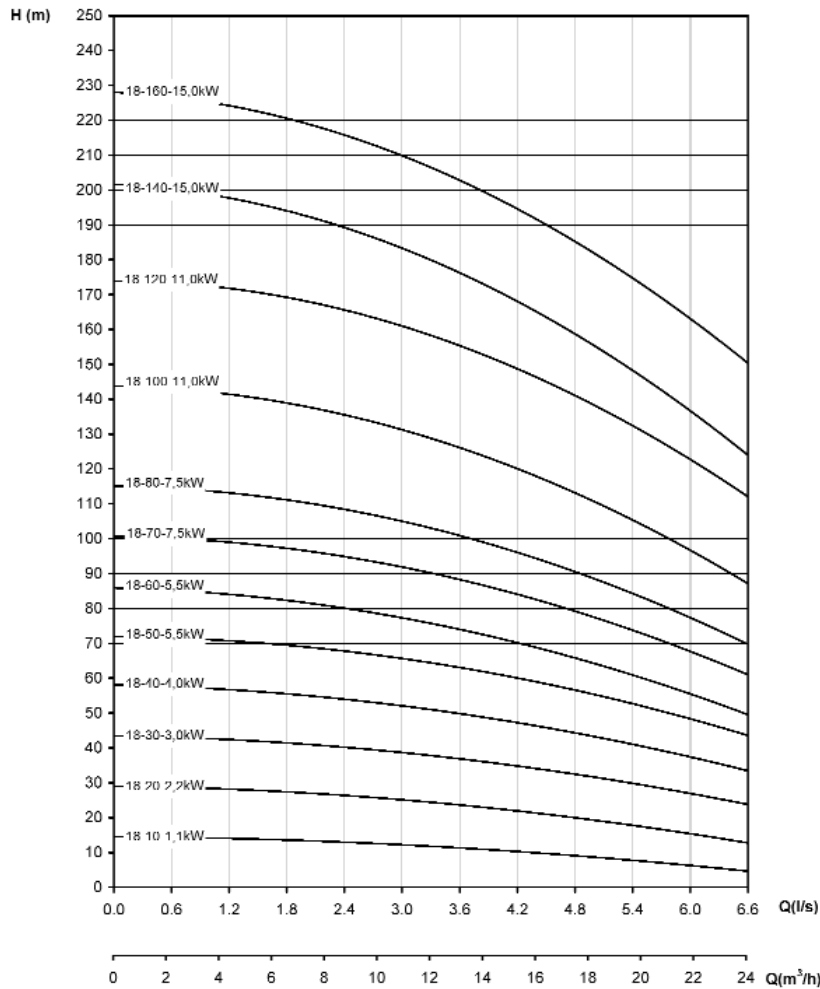


Pump type DPV(S)(F)(V)	General				DPV(S)F				DPVSV			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
18- 10	1,1	160	102	0,066	574	347	25	29	574	347	23	27
18- 20	2,2	174	142	0,076	638	357	33	37	638	357	31	35
18- 30	3	198	155	0,076	715	401	43	47	715	401	41	45
18- 40	4	224	168	0,095	759	436	50	54	759	436	48	52
18- 50	5,5	225	168	0,102	832	490	63	78	832	490	61	76
18- 60	5,5	225	168	0,102	867	525	64	79	867	525	62	77
18- 70	7,5	225	168	0,112	928	559	69	85	928	559	67	83
18- 80	7,5	225	168	0,112	963	594	70	86	963	594	68	84
18- 100	11	312	230	0,377	1130	693	144	170	1130	693	142	168
18- 120	11	312	230	0,377	1199	762	146	172	1199	762	144	170
18- 140	15	312	230	0,377	1268	831	155	181	1268	831	154	180
18- 160	15	312	230	0,431	1337	900	157	186	1337	900	156	185



DPV 18

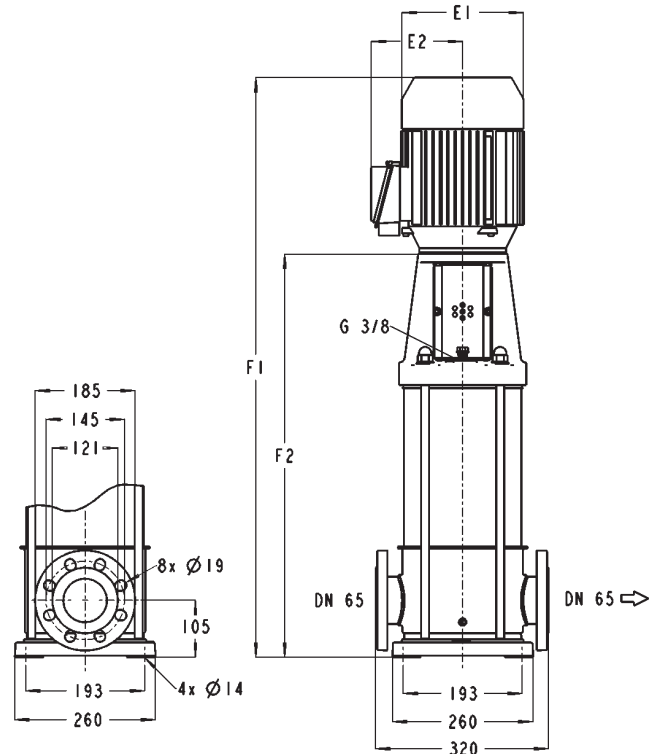
Performance curve
 according to:
 DIN 2548 Class C
 50 Hz 2850 min⁻¹



H (m)
 1 m = 1,42 Psi
 3,28 feet
 9,806 kPa
 0,098 Bar

Q (l/s)
 1 l/s = 15,85 US.Gpm
 13,20 Imp.Gpm
 60 l/min

DPVF 24

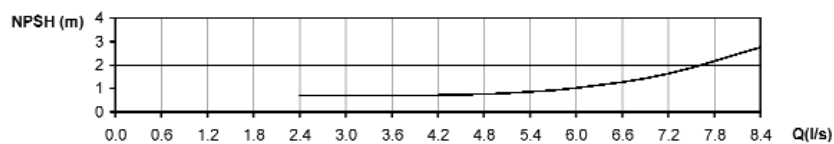
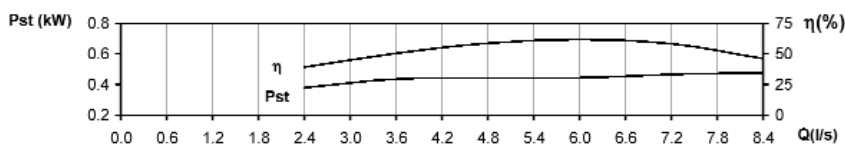
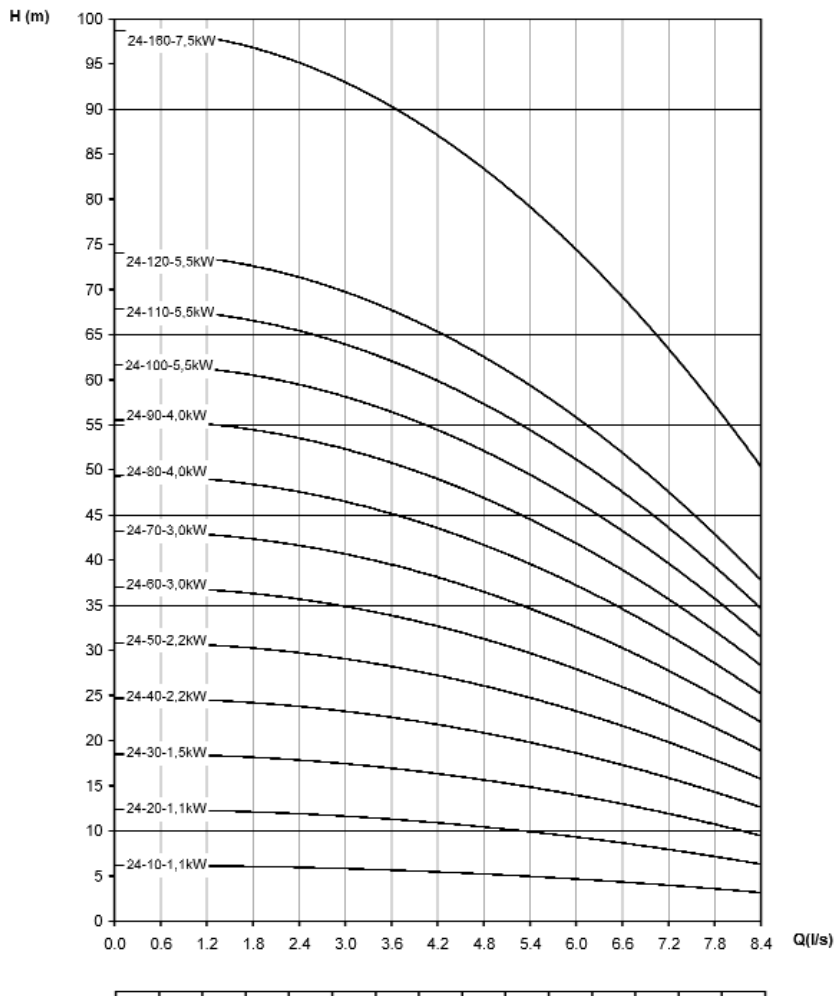


Pumptype DPV(S)(F)(V)	General				DPV(S)F			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
24 - 10	1,1	176	114	0,092	702	458	59	73
24 - 20	1,1	176	114	0,092	750	506	61	75
24 - 30	1,5	176	114	0,102	824	555	63	78
24 - 40	2,2	196	126	0,102	906	603	70	85
24 - 50	2,2	196	126	0,112	955	652	72	88
24 - 60	3	198	155	0,112	1014	700	80	96
24 - 70	3	198	155	0,122	1063	749	82	99
24 - 80	4	224	168	0,122	1120	797	93	110
24 - 90	4	224	168	0,133	1169	846	96	114
24 - 100	5,5	255	181	0,143	1274	914	115	133
24 - 110	5,5	255	181	0,143	1323	963	118	136
24 - 120	5,5	255	181	0,431	1371	1011	120	149
24 - 160	7,5	255	181	0,485	1605	1205	138	172



DPVF 24

Performance curve
 according to:
 DIN 2548 Class C
 50 Hz 1425 min⁻¹



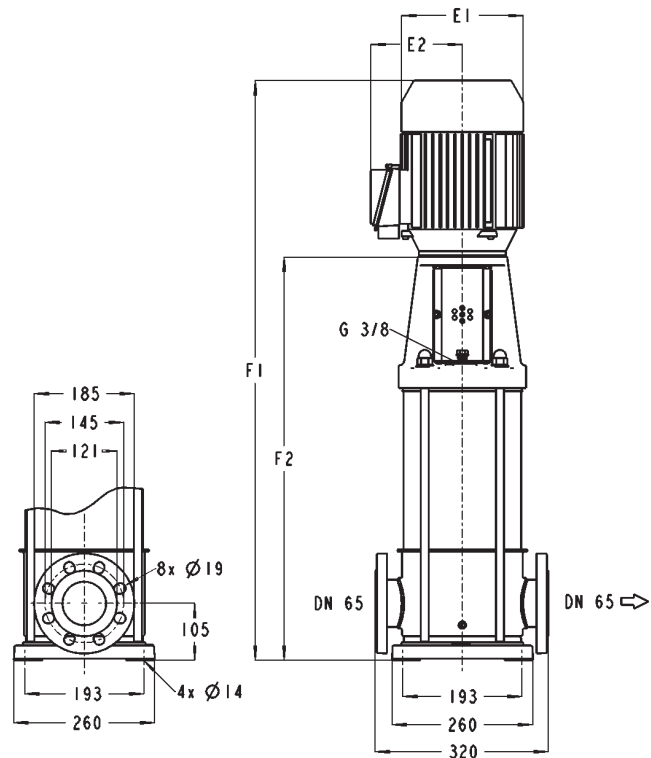
H (m)

1 m = 1,42 Psi
 3,28 feet
 9,806 kPa
 0,098 Bar

Q (l/s)

1 l/s = 15,85 US.Gpm
 13,20 Imp.Gpm
 60 l/min

DPVF 32

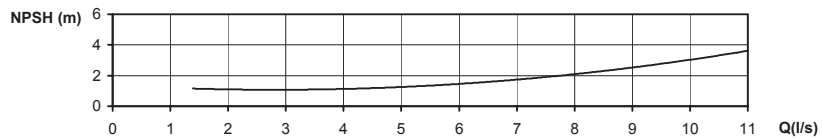
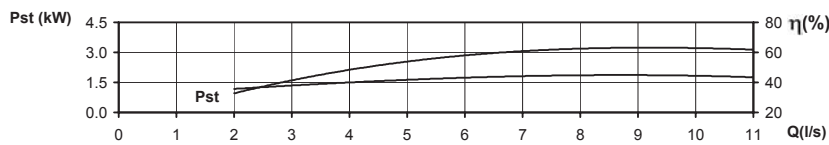
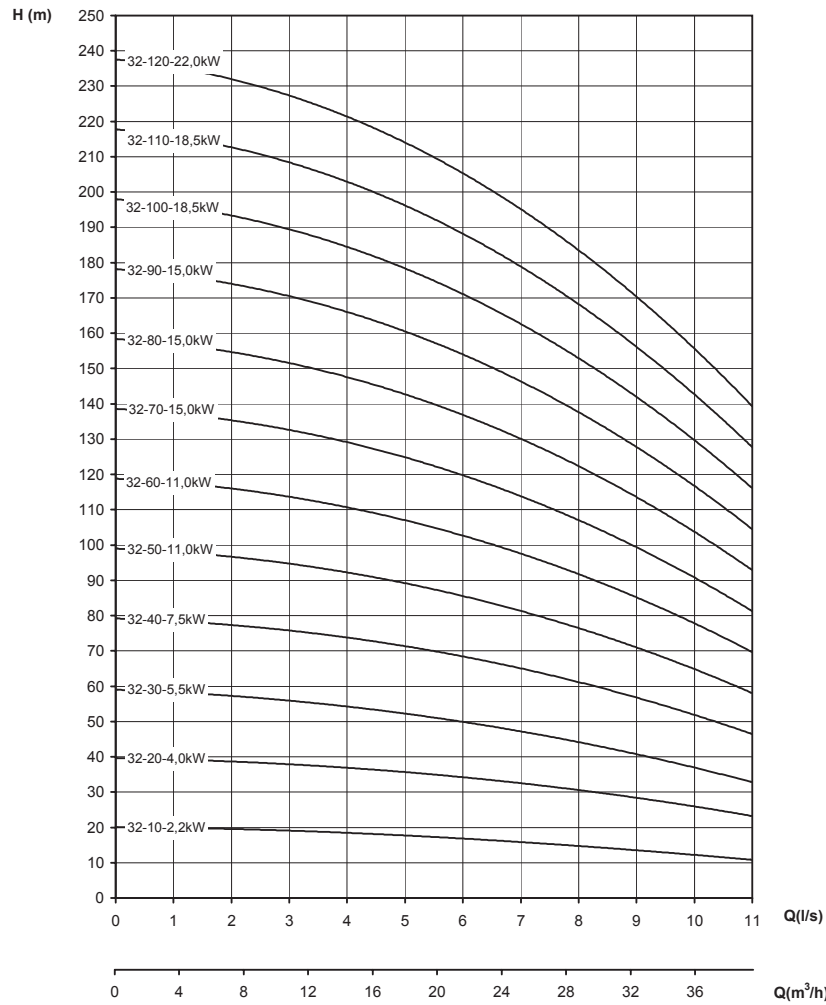


Pumptype DPV(S)(F)(V)	General				DPV(S)F			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
32 - 10	2,2	174	142	0,092	739	458	60	74
32 - 20	4	224	168	0,102	829	506	76	91
32 - 30	5,5	225	168	0,102	917	575	91	106
32 - 40	7,5	225	168	0,112	992	623	97	113
32 - 50	11	312	230	0,377	1214	777	173	199
32 - 60	11	312	230	0,377	1262	825	175	201
32 - 70	15	312	230	0,431	1311	874	186	215
32 - 80	15	312	230	0,431	1359	922	188	217
32 - 90	15	312	230	0,431	1408	971	190	219
32 - 100	18,5	312	230	0,485	1496	1019	209	243
32 - 110	18,5	312	230	0,485	1545	1068	211	245
32 - 120	22	312	230	0,485	1633	1116	234	268



DPVF 32

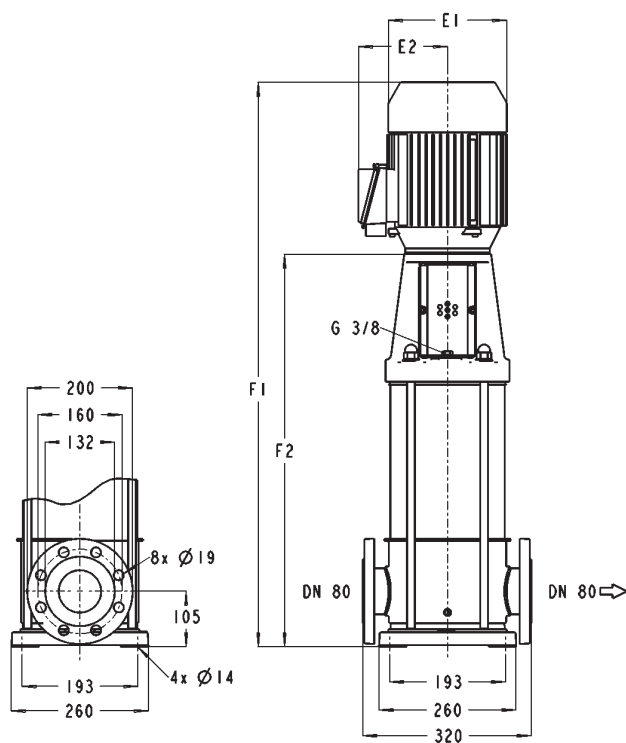
Performance curve
according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



H (m)
1 m = 1,42 Psi
3,28 feet
9,806 kPa
0,098 Bar

Q (l/s)
1 l/s = 15,85 US.Gpm
13,20 Imp.Gpm
60 l/min

DPVF 45

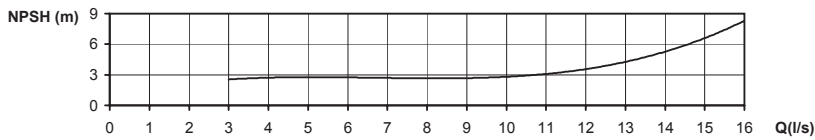
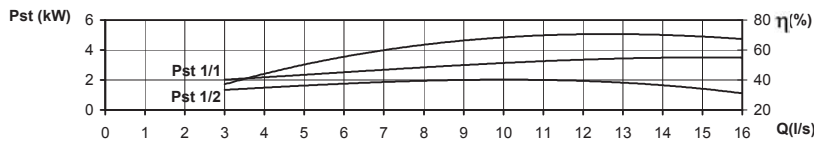
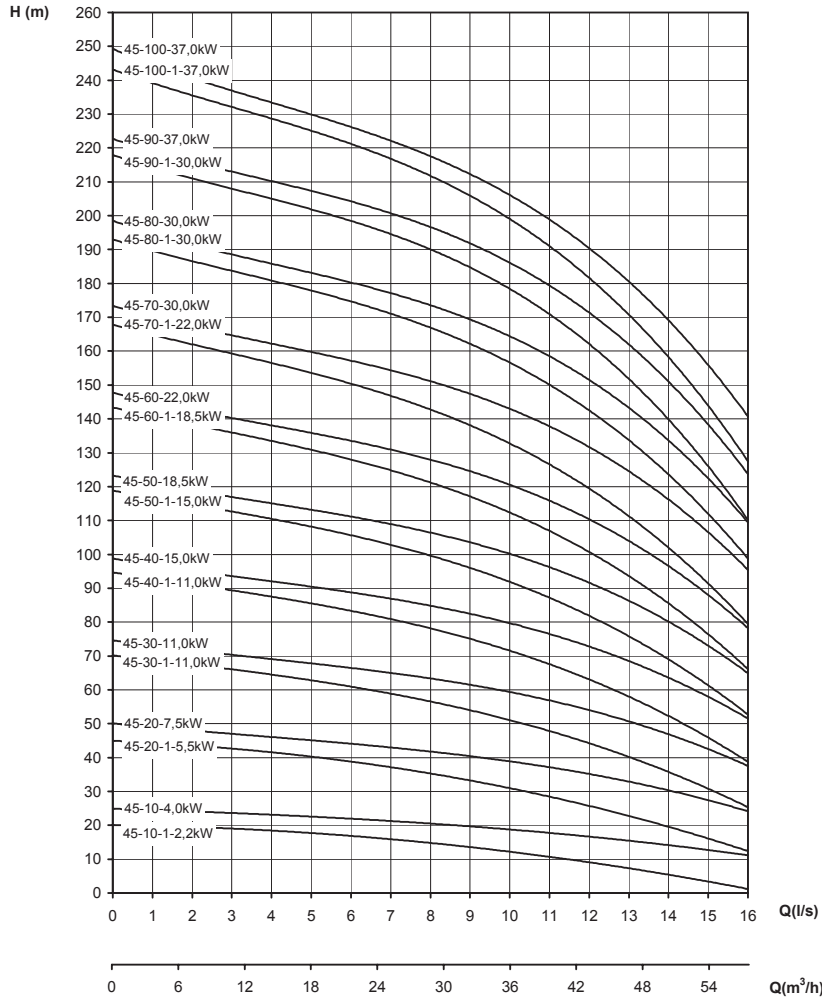


Pumptype DPV(S)(F)(V)	General				DPV(S)F			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
45 - 10 - 1	2,2	174	142	0,092	739	458	61	75
45 - 10	4	224	168	0,092	781	458	75	89
45 - 20 - 1	5,5	225	168	0,102	868	526	90	105
45 - 20	7,5	225	168	0,102	895	526	94	109
45 - 30 - 1	11	312	230	0,377	1117	680	170	196
45 - 30	11	312	230	0,377	1117	680	170	196
45 - 40 - 1	11	312	230	0,377	1165	728	172	198
45 - 40	15	312	230	0,377	1165	728	180	206
45 - 50 - 1	15	312	230	0,377	1214	777	183	209
45 - 50	18,5	312	230	0,377	1254	777	199	225
45 - 60 - 1	18,5	312	230	0,431	1302	825	201	230
45 - 60	22	312	230	0,431	1342	825	222	251
45 - 70 - 1	22	312	230	0,431	1391	874	224	253
45 - 70	30	438	321	0,631	1569	874	323	370
45 - 80 - 1	30	438	321	0,705	1617	922	325	380
45 - 80	30	438	321	0,705	1617	922	325	380
45 - 90 - 1	30	438	321	0,705	1666	971	327	382
45 - 90	37	438	321	0,705	1666	971	347	402
45 - 100 - 1	37	438	321	0,705	1714	1019	350	405
45 - 100	37	438	321	0,705	1714	1019	350	405



DPVF 45

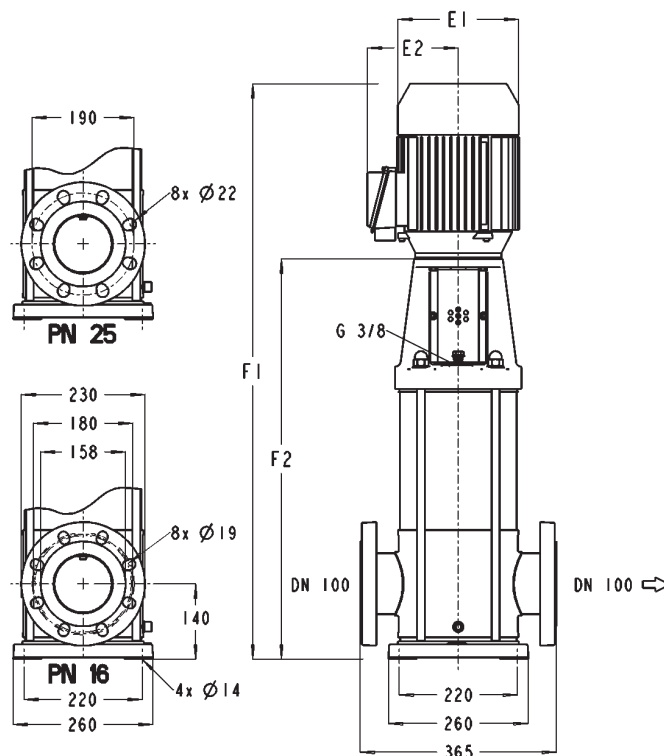
Performance curve
according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



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3,28 feet
9,806 kPa
0,098 Bar

Q (l/s)
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13,20 Imp.Gpm
60 l/min

DPVF 65

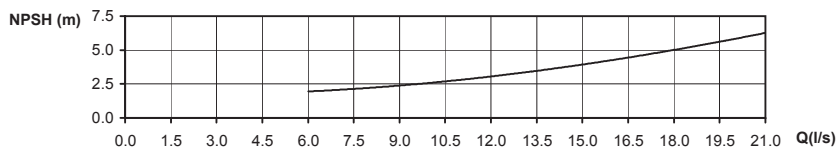
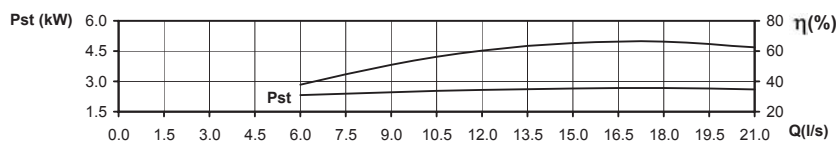
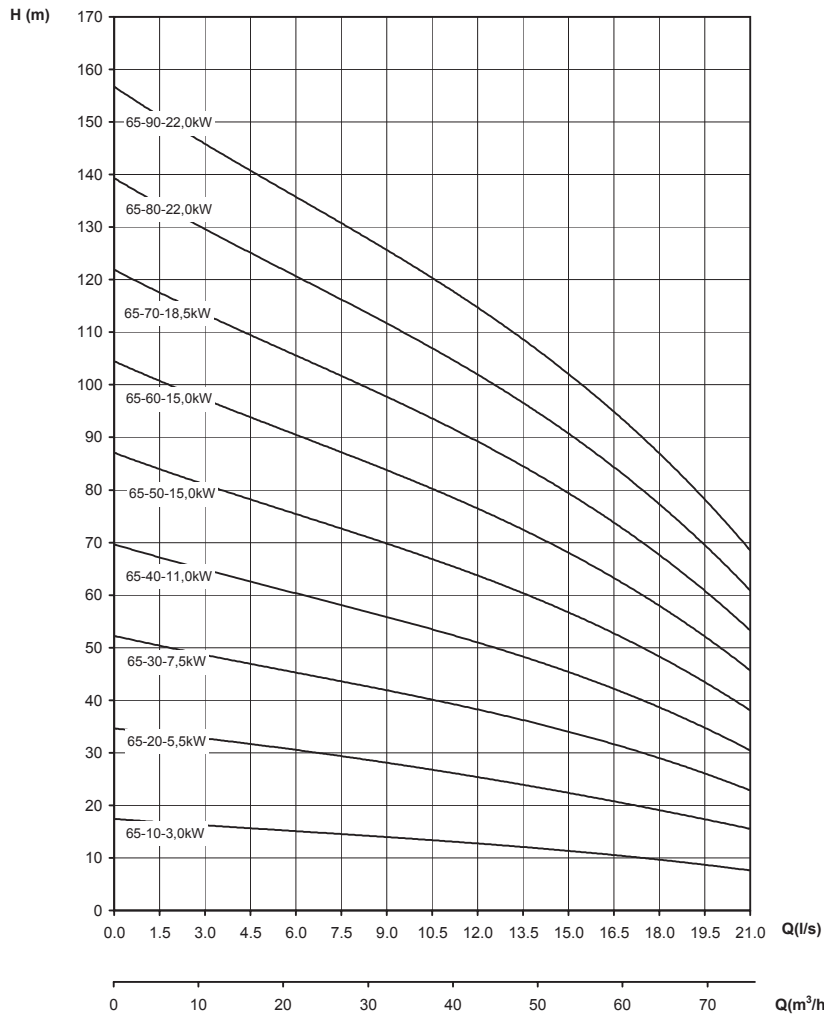


Pumptype DPV(S)(F)(V)	General				DPV(S)F			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m3]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
65- 10	3	198	155	0,323	809	495	75	99
65- 20	5,5	225	168	0,323	946	604	96	120
65- 30	7,5	225	168	0,323	1062	693	104	128
65- 40	11	312	230	0,377	1249	812	179	205
65- 50	15	312	230	0,431	1338	901	191	220
65- 60	15	312	230	0,431	1427	990	194	223
65- 70	18,5	312	230	0,485	1556	1079	214	248
65- 80	22	312	230	0,485	1685	1168	238	272
65- 90	22	312	230	0,539	1774	1257	241	280



DPVF 65

Performance curve
according to:
DIN 2548 Class C
50 Hz 2850 min⁻¹



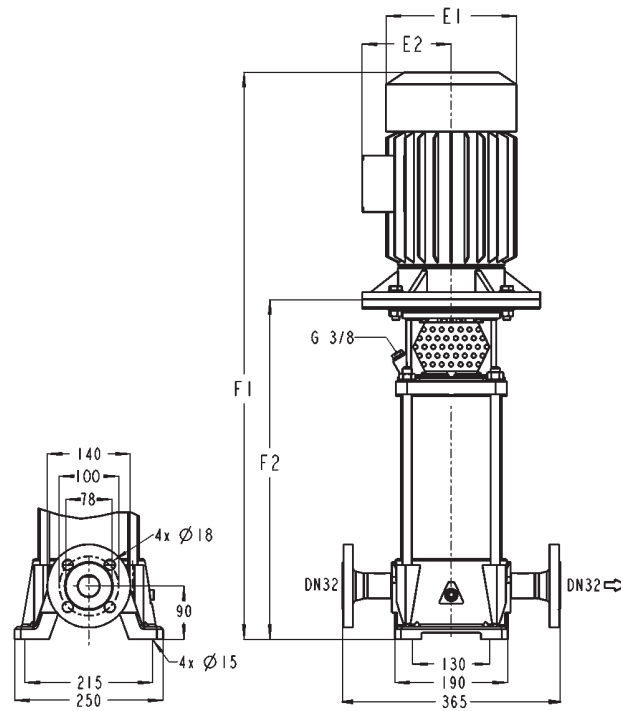
H (m)

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9,806 kPa
0,098 Bar

Q (l/s)

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13,20 Imp.Gpm
60 l/min

DPLHS 6

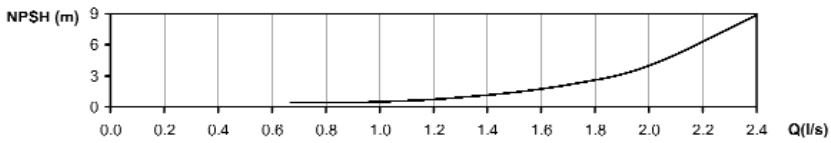
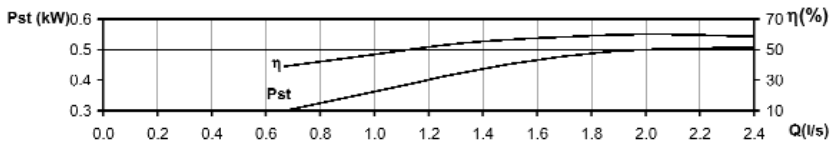
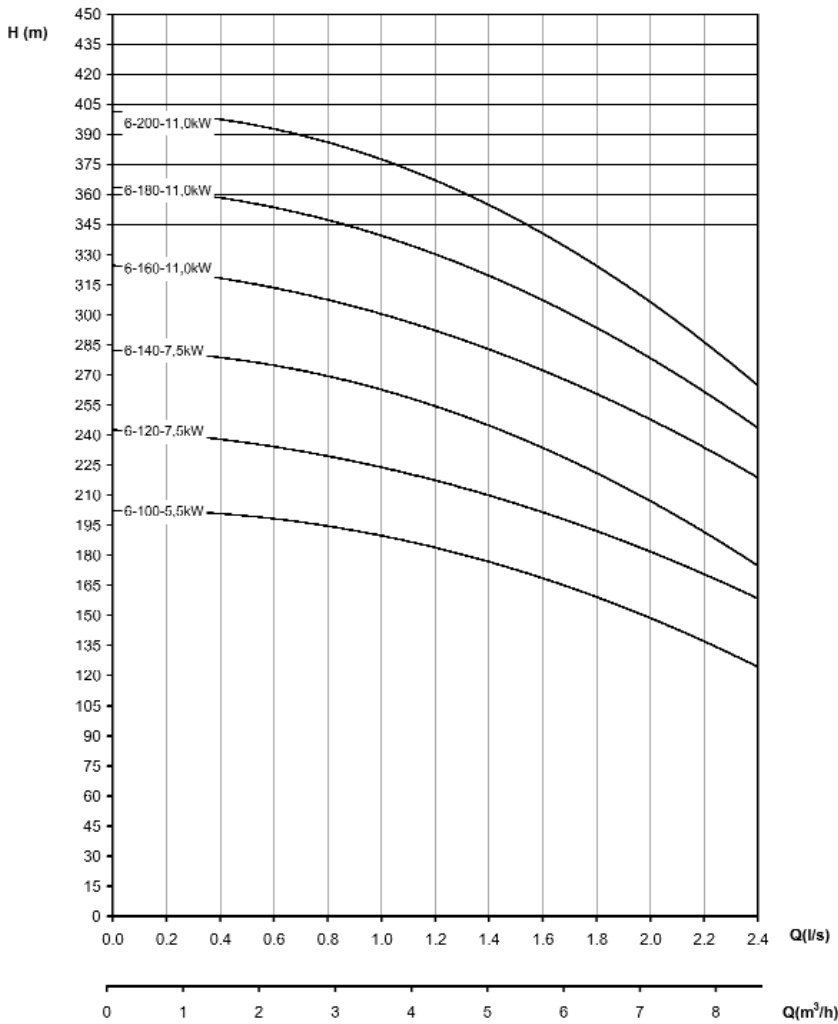


Pumptype DPLHS	General				DPLHS			
	Motor power [kW]	Dimensions E1 [mm]	Dimensions E2 [mm]	Shipping volume [m ³]	Dimensions F1 [mm]	Dimensions F2 [mm]	Net weight [kg]	Gross weight [kg]
6-100	5,5	225	168	0,112	931	599	84	100
6-120	7,5	225	168	0,122	997	658	94	111
6-140	7,5	225	230	0,122	1057	718	96	113
6-160	11	312	230	0,431	1245	808	178	207
6-180	11	312	230	0,431	1304	867	181	210
6-200	11	312	230	0,431	1364	927	183	212



DPLHS 6

Performance curve
 according to:
 DIN 2548 Class C
 50 Hz 2850 min⁻¹



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