Stainless Steel Vertical Multistage Circulation Pump

SDL / SDLT Series

60Hz

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Professional Fluid Handling Solutions

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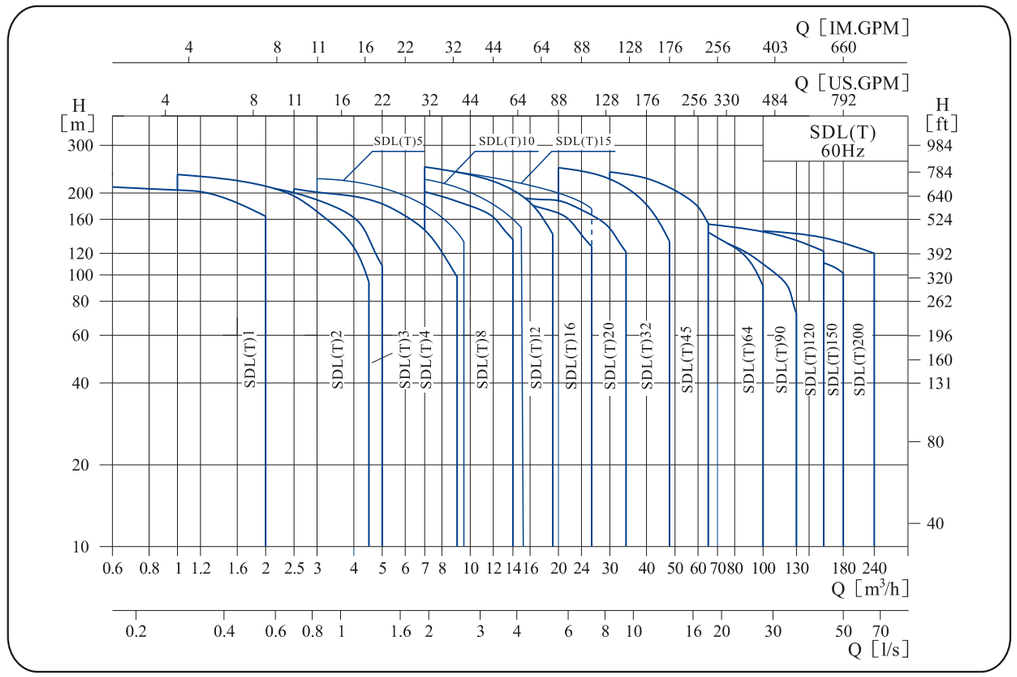
Performance Range



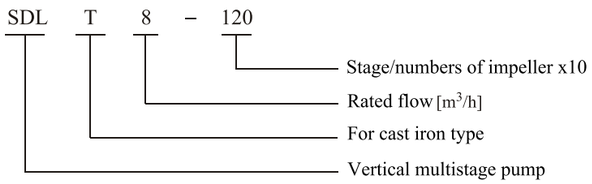
Specification

Key parameter	SDL(T)1	SDL(T)2	SDL(T)3	SDL(T)4	SDL(T)5	SDL(T)8	SDL(T)10	SDL(T)12	SDL(T)15	SDL(T)16	SDL(T)20
Rated flow [m^3/h]	1	2	3	4	5	8	10	12	15	16	20
Rated flow [l/s]	0.28	0.56	0.83	1.1	1.4	2.2	2.8	3.3	4.1	4.4	5.6
Flow range [m^3/h]	0.6-2	1-4.5	1.5-5	2·5-8	3-8.5	7-14	7-15	7-19	9-26	10-26	12-34
Flow range [l/s]	0.17-0.56	0.28-1.25	0.42-1.4	0·7-2·2	0.8-2.3	1.9-3.9	1.9-4.1	1.9-5.3	2.5-7.2	2.8-7.2	3.3-9.4
Max.pressure [bar]	22	23.5	23	21	23	20	25	25	24	20	20
Power [kW]	0.37-3	0.55-4	0.37-4	0.75-5.5	0.55-7.5	0.75-11	1.5-11	1.1-15	1.5-18.5	2.2-18.5	2.2-18.5
Temp.range [℃]	-15~105										
Max.eff. [%]	44	46	54	57	63	62	70	63	73	66	69
SDL pipe connection type											
DIN Flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50
Pipe thread	R1 1/4"	R1 1/4"	R1 1/4"	R1 1/4"	R1 1/4"	R2"	R2"	R2"	R2"	R2"	R2"
PJE	DN32	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50	DN50
SDLT pipe connection type											
DIN Flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50

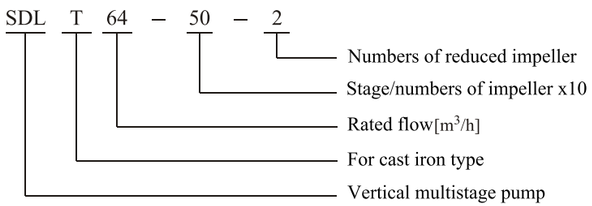
Key parameter	SDL(T)32	SDL(T)45	SDL(T)64	SDL(T)90	SDL(T)120	SDL(T)150	SDL(T)200
Rated flow [m^3/h]	32	45	64	90	120	150	200
Rated flow [l/s]	8.9	12.5	17.8	25	33	41.6	55.6
Flow range [m^3/h]	20-48	30-65	40-100	60-130	60-160	80-180	100-240
Flow range [l/s]	5.5-13.3	8.3-18	11.1-27.7	16.7-36.1	16.7-44.4	22-50	27.8-66.7
Max.pressure [bar]	25	26	18	15	15	14	15
Power [kW]	3-30	5.5-45	7.5-45	11-45	18.5-75	15-75	30-110
Temp.range [℃]	-15~105						
Max.eff. [%]	73	75	76	77	74	73	78
Pipe connection							
DIN Flange	DN65	DN80	DN100	DN100	DN125	DN125	DN150

Definition of Model

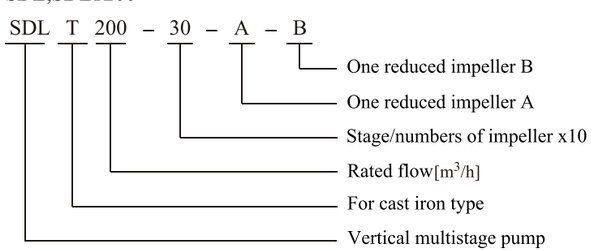
SDL,SDLT1/2/3/4/5/8/10/12/15/16/20



SDL,SDLT32/45/64/90/120/150



SDL,SDLT200



Typical Application

- SDL(T) pump is vertical multistage centrifugal pump, the pipeline structure can ensure that the pump can be directly installed in the pipeline system which pipe diameters are the same and the outlet and inlet at the same level. This design of structure makes the connection from pump to pipe more compact.
- SDL(T) is a kind of multi-functional pump, can transfer not only water but also various industrial liquid medium, suitable for different temperature, flow rate and pressure range.
- SDL(T) suitable for non-corrosive liquids,SDL is suitable for mild corrosive liquid.
- Water supply: water filtering and conveying,water partition, net pressure boosting for high-rise buildings, hotels,industrial water pressure boosting
- Industrial boosting: process water system,cleaning system, high-pressure washing system,fire-fighting system, car cleaning.
- Industrial liquid transportation: cooling and air conditioning system, boiler feed water system and temperature system, machine matching.
- Delivery: oil and alcohol, acid and alkali, ethylene glycol and coolant.
- Water treatment: UF,RO systems, distillation systems, separator, the swimming pool.
- Irrigation: region irrigation, sprinkler irrigation, drip irrigation.

Motor

- Totally Enclosed Fan-Cooled (TEFC) 2-Pole Standard Motor
- Degree of protection：IP 55
- Insulation class：F
- Standard voltage：60Hz：3×200-230 / 346-400V
  3×220-255 / 380-440V
  3×220-277 / 380-480V
- Other voltage of the motor is available on request.
- Single phase motors from 0.37~2.2kW are available on request.

Performance curve

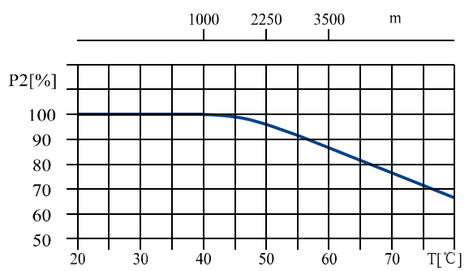
- All measured values of the curves are based on a 60 Hz rated motor operating at constant speeds of 3500 rpm and 3550 rpm
- Curve tolerance meets ISO9906, appendix A.
- Test with 20℃ deaerated water；kinematic viscosity 1mm²/s.
- Pump using referring to the performance range of thick lines, to prevent motor overheating caused by insufficient flow, or overload due to excessive flow.

Instruction

- SDL(T) is non self-priming vertical multistage pump and with standard motor, motor shaft and pump shaft are connected directly by coupling. The casing and wet parts are fixed between bracket and base by tie rod and nuts. The inlet and outlet are in the same level line at the bottom of the pump.
- Pump can be configured with intelligent protector as required, in order to protect pump from dry run, lack of phase, overload and so on.

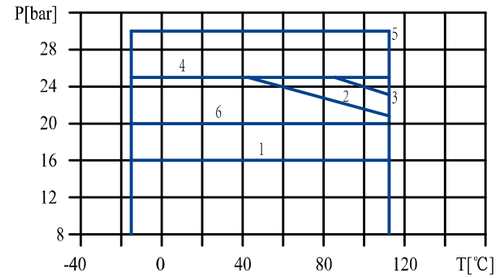
Altitude and Ambient temperature

- When the pump operates under conditions where the ambient temperature >40℃ or the altitude >1000m, the motor output power P2 will decrease, so a motor with higher power rating should be selected.



Max. Working pressure

- Below figure showing the limit of pressure and temperature, Pressure and temperature shall be in the range of showing.



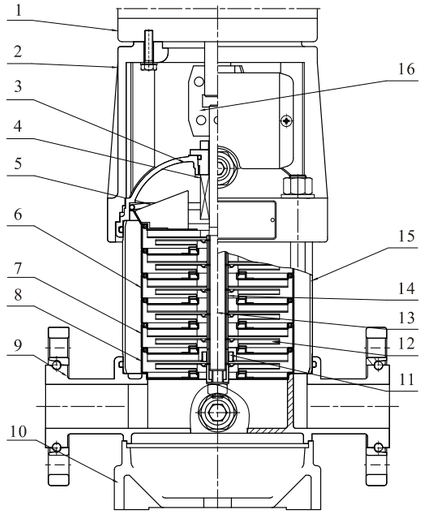
Model		Curve No.
SDL, SDLT1/2/3/4/5 Flange		2
SDL,SDLT1/2/3/4/5 Oval Flange		1
SDL,SDLT1/2/3/4/5 Flange/PJE/Thread		2
SDL,SDLT8/10/12/15/16/20 Flange		3
SDL,SDLT8/10/12/15/16/20 Oval Flange		1
SDL,SDLT8/10/12/15/16/20 Flange/PJE/Thread		3
SDL,SDLT32	32-10-1～32-50-2	1
	32-50～32-90-2	4
	32-90～32-100-2	5
SDL,SDLT45	45-10-1～45-30	1
	45-40-2～45-60	4
	45-70-2～45-70	5
SDL,SDLT64	64-10-1～64-30	1
	64-40-2～64-50-2	4
SDL,SDLT90	90-10-1～90-30	1
	90-40-2	4
SDL,SDLT120/150/200		6

Note:the curve 4/5 need to customize

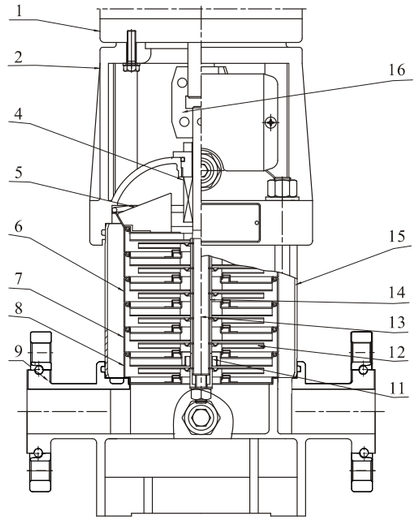
Working condition

- Thin, clean, non-flammable and non-explosive liquid that does not contain solid particles or fibers.
- Liquid Temperature: Standard: -15℃~+70℃
  Hot Water: -15℃~+105℃
- Ambient Temperature: Max. 40℃
- Altitude: Max.1000m

Structure drawing：SDL,SDLT1,2,3,4,5



SDL

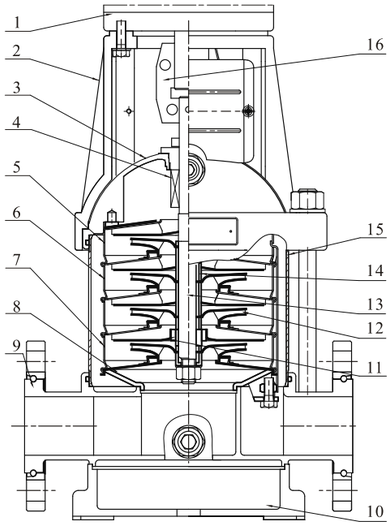


SDLT

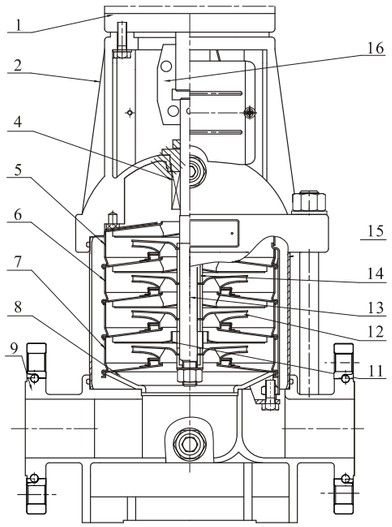
Material：SDL,SDLT1,2,3,4,5

No	Description	Material	AISI/ASTM
1	Motor	Assembly unit	
2	Bracket	Cast Iron	ASTM25B
4	Mechanical seal	Assembly unit	
5	Discharge diffuser	Stainless Steel	AISI304
6	Diffuser	Stainless Steel	AISI304
7	Support diffuser	Stainless Steel	AISI304
8	Suction diffuser	Stainless Steel	AISI304
11	Bush	Tungsten Carbide	
12	Impeller	Stainless Steel	AISI304
13	Pump Shaft	Stainless Steel	AISI304/ AISI316L
14	Impeller sleeve	Stainless Steel	AISI304
15	Casing	Stainless Steel	AISI304
16	Coupling	Carbon Steel	
SDL			
3	Pump head	Stainless Steel	AISI304
9	Base	Stainless Steel	AISI304
10	Base plate	Cast Iron	ASTM25B
SDLT			
9	Base	Cast Iron	ASTM25B

Structure drawing：SDL,SDLT8,10,12,15,16,20



SDL

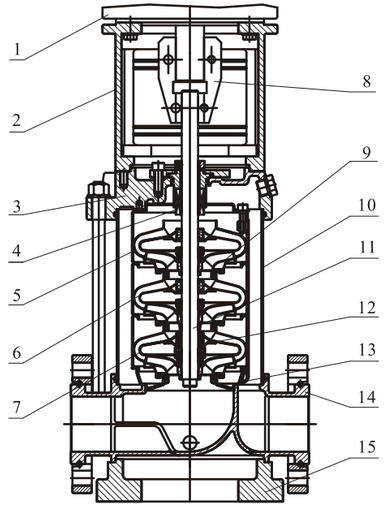


SDLT

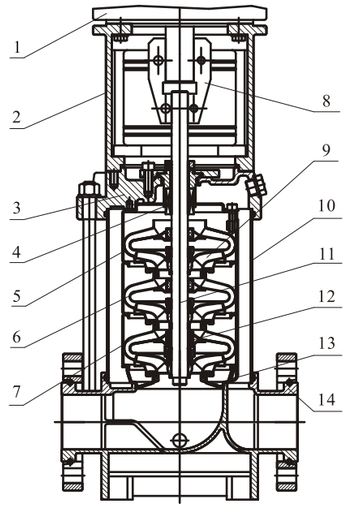
Material：SDL,SDLT8,10,12,15,16,20

No	Description	Material	AISI/ASTM
1	Motor	Assembly unit	
2	Bracket	Cast Iron	ASTM25B
4	Mechanical seal	Assembly unit	
5	Discharge diffuser	Stainless Steel	AISI304
6	Diffuser	Stainless Steel	AISI304
7	Support diffuser	Stainless Steel	AISI304
8	Suction diffuser	Stainless Steel	AISI304
11	Bush	Tungsten Carbide	
12	Impeller	Stainless Steel	AISI304
13	Pump Shaft	Stainless Steel	AISI304/ AISI316L
14	Impeller sleeve	Stainless Steel	AISI304
15	Casing	Stainless Steel	AISI304
16	Coupling	Carbon Steel	
SDL			
3	Pump head	Stainless Steel	AISI304
9	Base	Stainless Steel	AISI304
10	Base plate	Cast Iron	ASTM25B
SDLT			
9	Base	Cast Iron	ASTM25B

Structure drawing：SDL,SDLT32,45,64,90



SDL

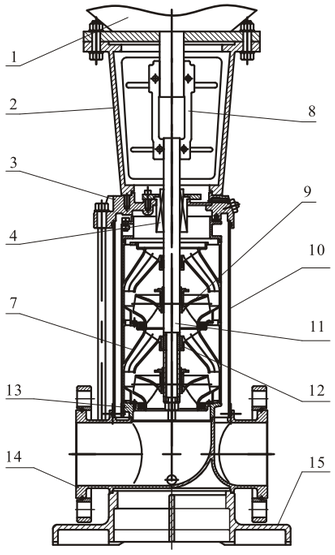


SDLT

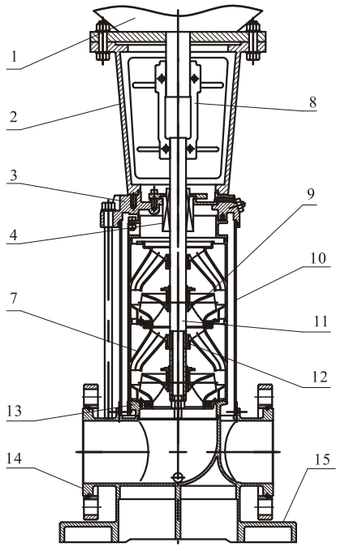
Material：SDL,SDLT32,45,64,90

No	Description	Material	AISI/ASTM
1	Motor	Assembly unit	
2	Bracket	Cast Iron/ Ductile Iron	ASTM25B ASTM70-50-05
4	Mechanical seal	Assembly unit	
5	Discharge diffuser	Stainless Steel	AISI304
6	Diffuser	Stainless Steel	AISI304
7	Support diffuser	Stainless Steel	AISI304
8	Coupling	Ductile Cast Iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304
10	Casing	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304/ AISI316L
12	Bush	Tungsten Carbide	
13	Suction diffuser	Stainless Steel	AISI304
SDL			
3	Pump head	Stainless Steel	AISI304
14	Base plate	Stainless Steel	AISI304
15	Base	Cast Iron	ASTM25B
SDLT			
3	Pump head	Cast Iron/ Ductile Cast Iron	ASTM25B ASTM70-50-05
14	Base plate	Cast Iron/ Ductile Cast Iron	ASTM25B ASTM70-50-05

Structure drawing: SDL,SDLT120,150,200



SDL



SDLT

Material: SDL,SDLT120,150,200

No	Description	Material	AISI/ASTM
1	Motor	Assembly unit	
2	Bracket	Cast Iron/ Ductile Iron	ASTM25B ASTM70-50-05
4	Mechanical seal	Assembly unit	
7	Discharge diffuser	Stainless Steel	AISI304
8	Coupling	Ductile Cast Iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304
10	Casing	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304 AISI316L
12	Bush	Tungsten Carbide	
13	Suction diffuser	Stainless Steel	AISI304
SDL			
3	Pump head	Stainless Steel	AISI304
14	Base plate	Stainless Steel	AISI304
15	Base	Cast Iron	ASTM25B
SDLT			
3	Pump head	Cast Iron/ Ductile Cast Iron	ASTM25B ASTM70-50-05
14	Base plate	Cast Iron/ Ductile Cast Iron	ASTM25B ASTM70-50-05

Min.Inlet Pressure NPSH

If the pressure in pump is lower than the liquid vapour pressure, cavitation can occur. Make sure there is a minimum pressure at the pump suction side to avoid cavitation. The maximum suction H [m] can be calculated by the following formula:

H=Pb×10.2-NPSH-Hf-Hv-Hs

Pb=Atmospheric pressure
(Atmospheric pressure can be set to 1 bar)
For the closed system, Pb is system pressure.

NPSH = net positive suction head [m]
(Can read from the Max. flow range of the curve)

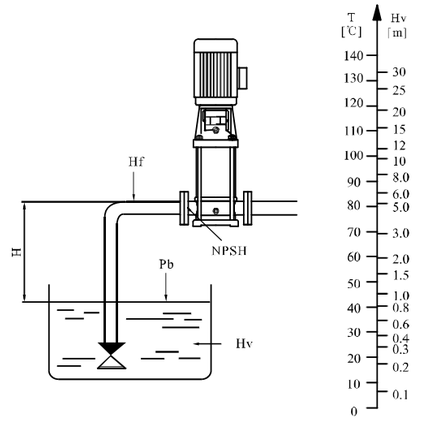
Hf= Inlet pipeline head loss[m]

Hv=vapour pressure[m]

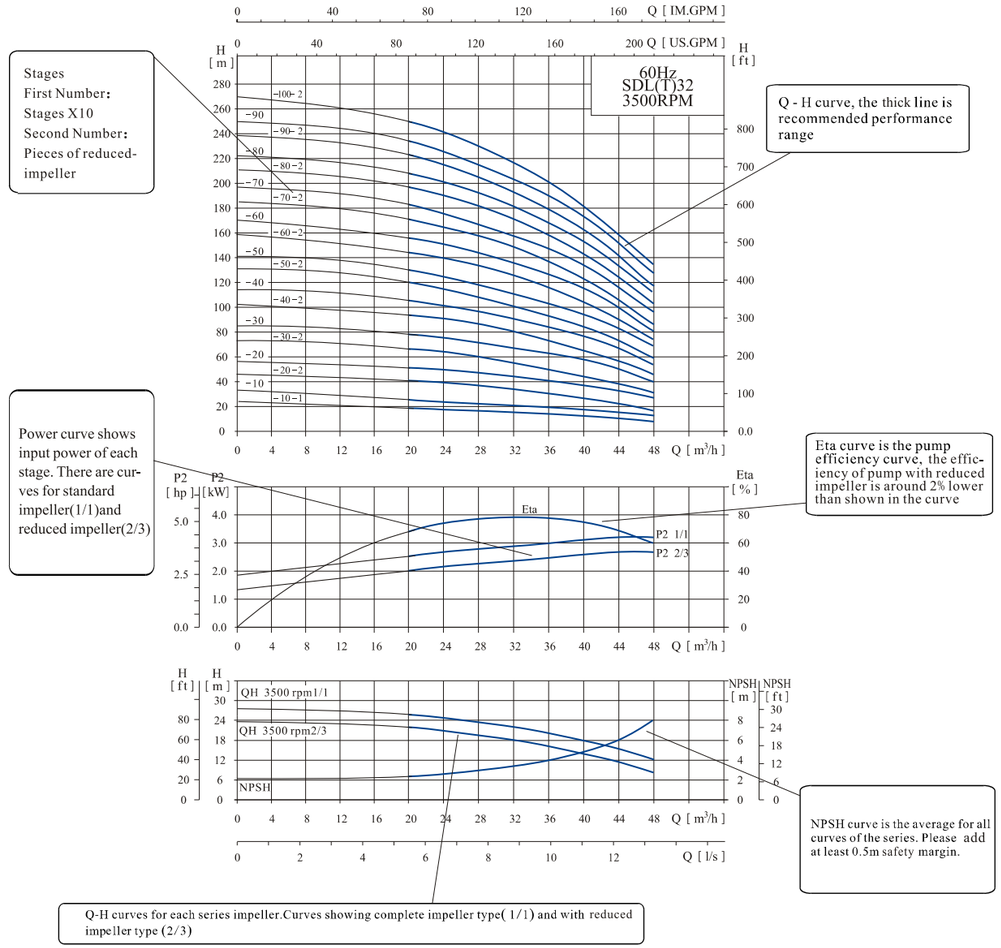
Hs = Safety margin = minimum 0.5 m head

If calculated H is positive, the pump can be run in the condition of Max. suction head.

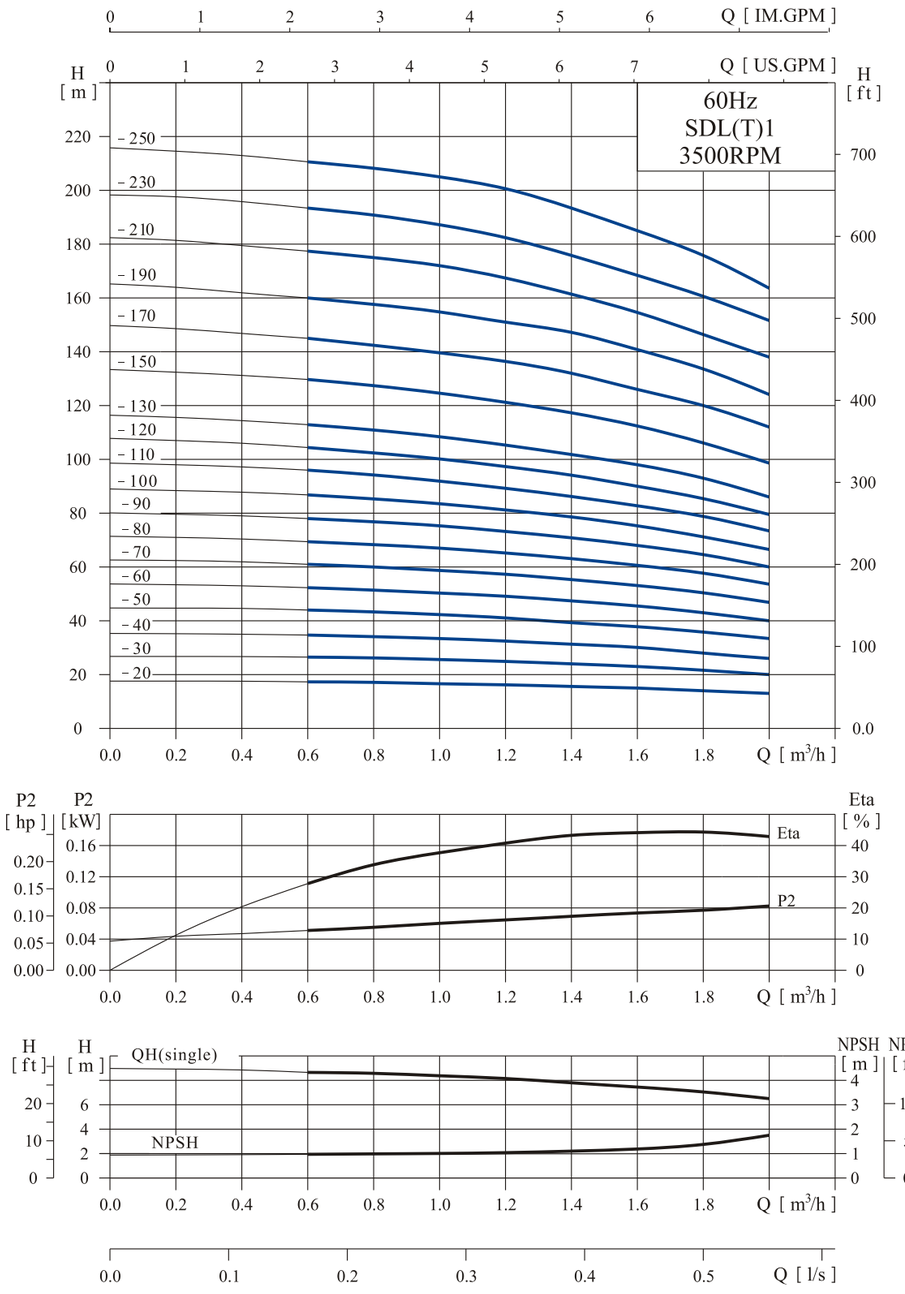
If calculated H is negative, a minimum inlet pressure must be maintained.



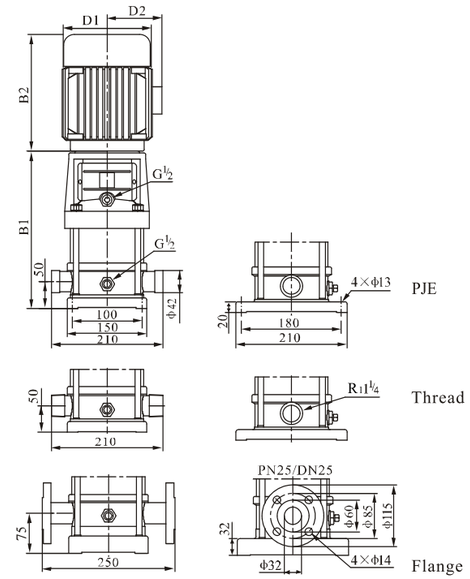
Check to ensure that the pump will be not in cavitation.



Performance Curves



Installation Drawing



Size & Weight

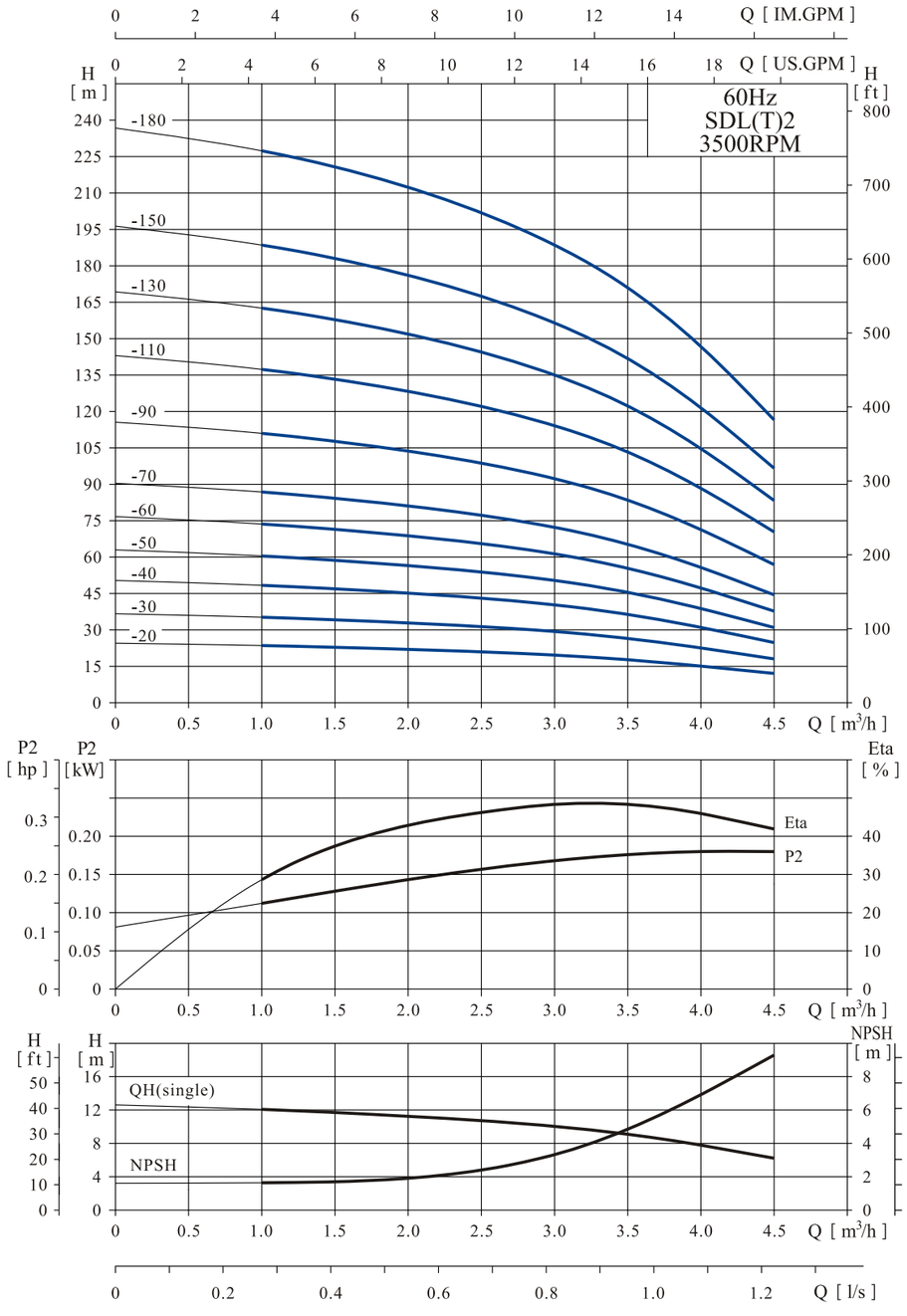
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL1-20	258	225	483	148	117	20
SDL1-30	276	225	501	148	117	20
SDL1-40	294	225	519	148	117	21
SDL1-50	312	225	537	148	117	22
SDL1-60	330	225	555	148	117	23
SDL1-70	358	245	603	170	142	26
SDL1-80	376	245	621	170	142	27
SDL1-90	394	245	639	170	142	28
SDL1-100	412	245	657	170	142	29
SDL1-110	430	245	675	170	142	29
SDL1-120	448	245	693	170	142	30
SDL1-130	466	245	711	170	142	31
SDL1-150	512	290	802	190	155	37
SDL1-170	548	290	838	190	155	38
SDL1-190	584	290	874	190	155	41
SDL1-210	620	290	910	190	155	42
SDL1-230	656	290	946	190	155	43
SDL1-250	702	315	1017	197	165	51

Performance Table

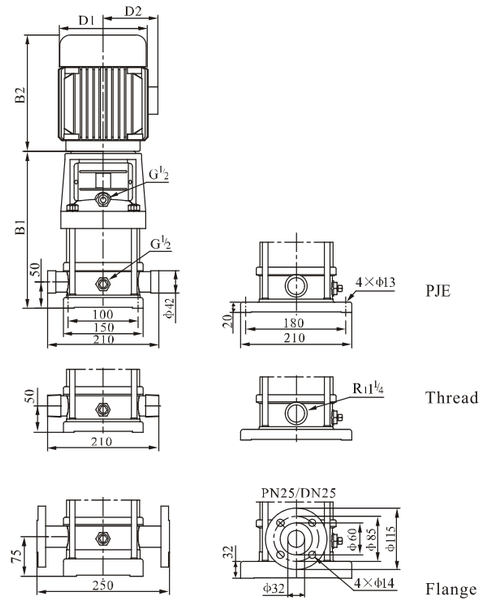
Model	Motor		Q (m^3/h)	0.6	0.8	1	1.2	1.4	1.6	1.8	2
	(kW)	(hp)									
SDL1-20	0.37	0.5		17.5	17	16.5	16	15.5	15	14	13
SDL1-30	0.37	0.5		26.5	26	25	24	23	22	21	20
SDL1-40	0.37	0.5		35	34	33	32	31	30	28	26
SDL1-50	0.55	0.75		43	42	41	40	39	38	35	33
SDL1-60	0.55	0.75		52	51	50	48	47	45	43	39
SDL1-70	0.75	1		60	59	58	56	55	52	50	46
SDL1-80	0.75	1		68	67	65	64	62	59	57	53
SDL1-90	0.75	1		76	75	74	73	71	66	64	60
SDL1-100	1.1	1.5	H (m)	85	84	83	81	78	74	72	67
SDL1-110	1.1	1.5		95	93	90	87	85	81	78	73
SDL1-120	1.1	1.5		103	102	98	96	92	88	86	79
SDL1-130	1.1	1.5		112	110	107	105	100	95	93	86
SDL1-150	1.5	2		127	125	123	121	117	112	107	99
SDL1-170	1.5	2		144	141	139	137	132	124	120	112
SDL1-190	2.2	3		160	157	155	153	147	141	134	124
SDL1-210	2.2	3		177	174	172	168	162	153	147	138
SDL1-230	2.2	3		193	190	188	184	174	167	161	152
SDL1-250	3	4		210	207	205	202	192	184	176	164

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

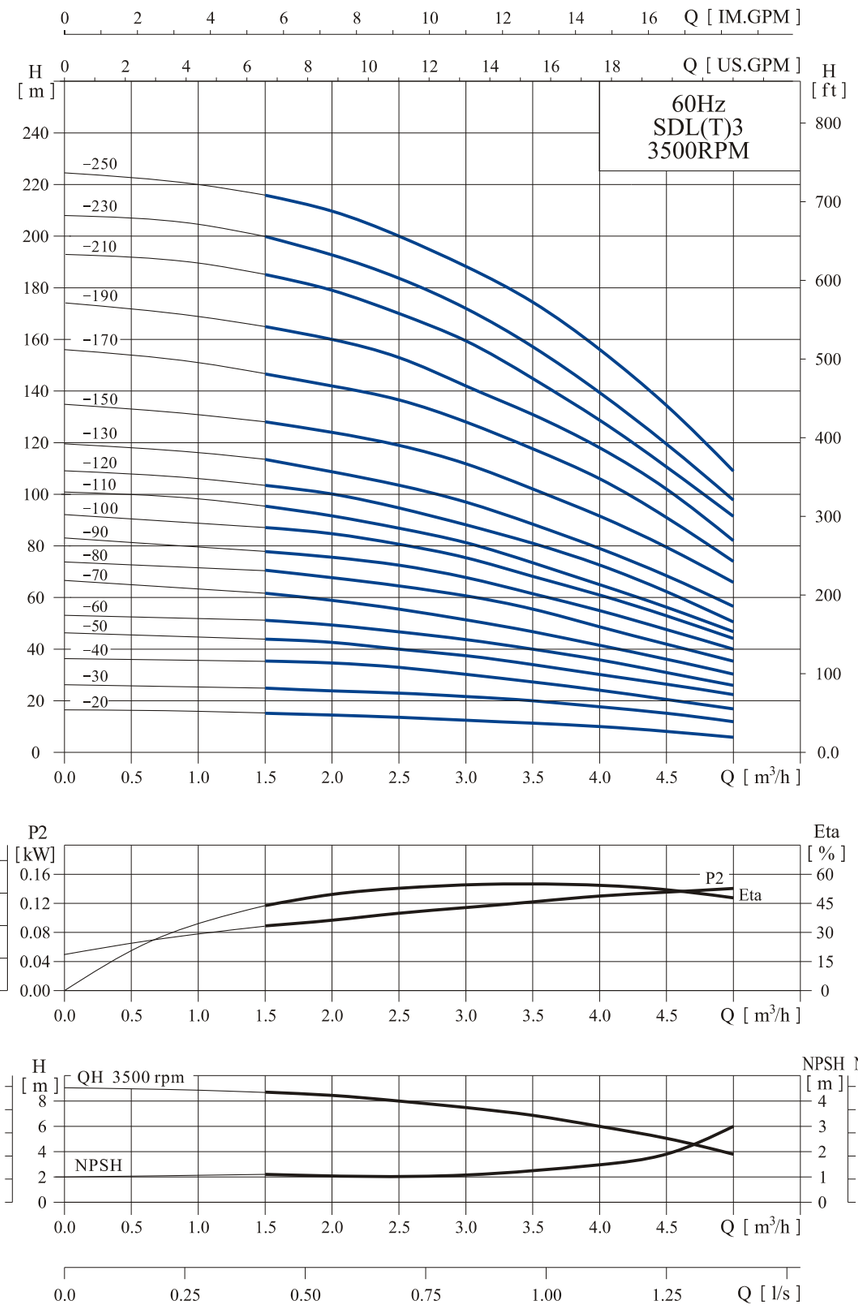
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL2-20	258	210	468	148	117	21
SDL2-30	286	245	531	170	142	24
SDL2-40	304	245	549	170	142	25
SDL2-50	322	245	567	170	142	26
SDL2-60	340	245	585	170	142	26
SDL2-70	368	290	658	190	155	32
SDL2-90	404	290	694	190	155	36
SDL2-110	440	290	730	190	155	37
SDL2-130	486	315	801	197	165	44
SDL2-150	522	315	837	197	165	45
SDL2-180	576	335	911	230	188	54

Performance Table

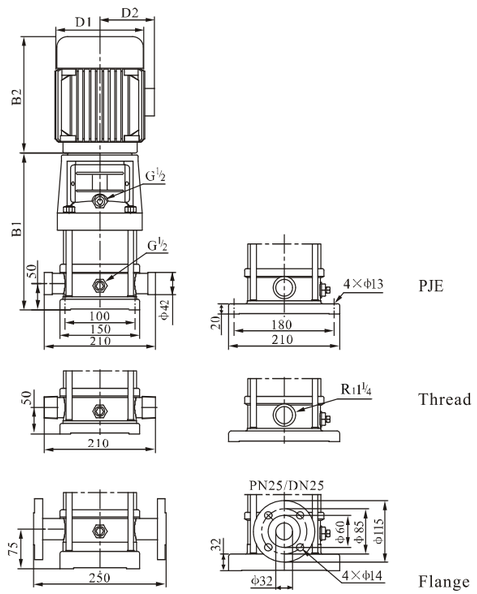
Model	Motor (kW)	Motor (hp)	Q (m^3/h)	1	1.5	2	2.5	3	3.5	4	4.5
SDL2-20	0.55	0.75	H (m)	23.6	23	22	20.8	19.5	17.7	15.2	12.1
SDL2-30	0.75	1		35	34	33	31	29	26	23	18
SDL2-40	1.1	1.5		48	47	45	43	40	36	31	25
SDL2-50	1.1	1.5		61	59	57	54	50	46	39	31
SDL2-60	1.1	1.5		74	72	69	65	61	55	47	38
SDL2-70	1.5	2		87	85	81	77	72	65	56	44
SDL2-90	2.2	3		111	108	104	98	92	84	72	57
SDL2-110	2.2	3		137	134	128	121	114	103	89	70
SDL2-130	3	4		163	159	152	144	134	122	105	83
SDL2-150	3	4		189	184	176	167	156	142	122	97
SDL2-180	4	5.5		227	222	212	201	188	171	147	117

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

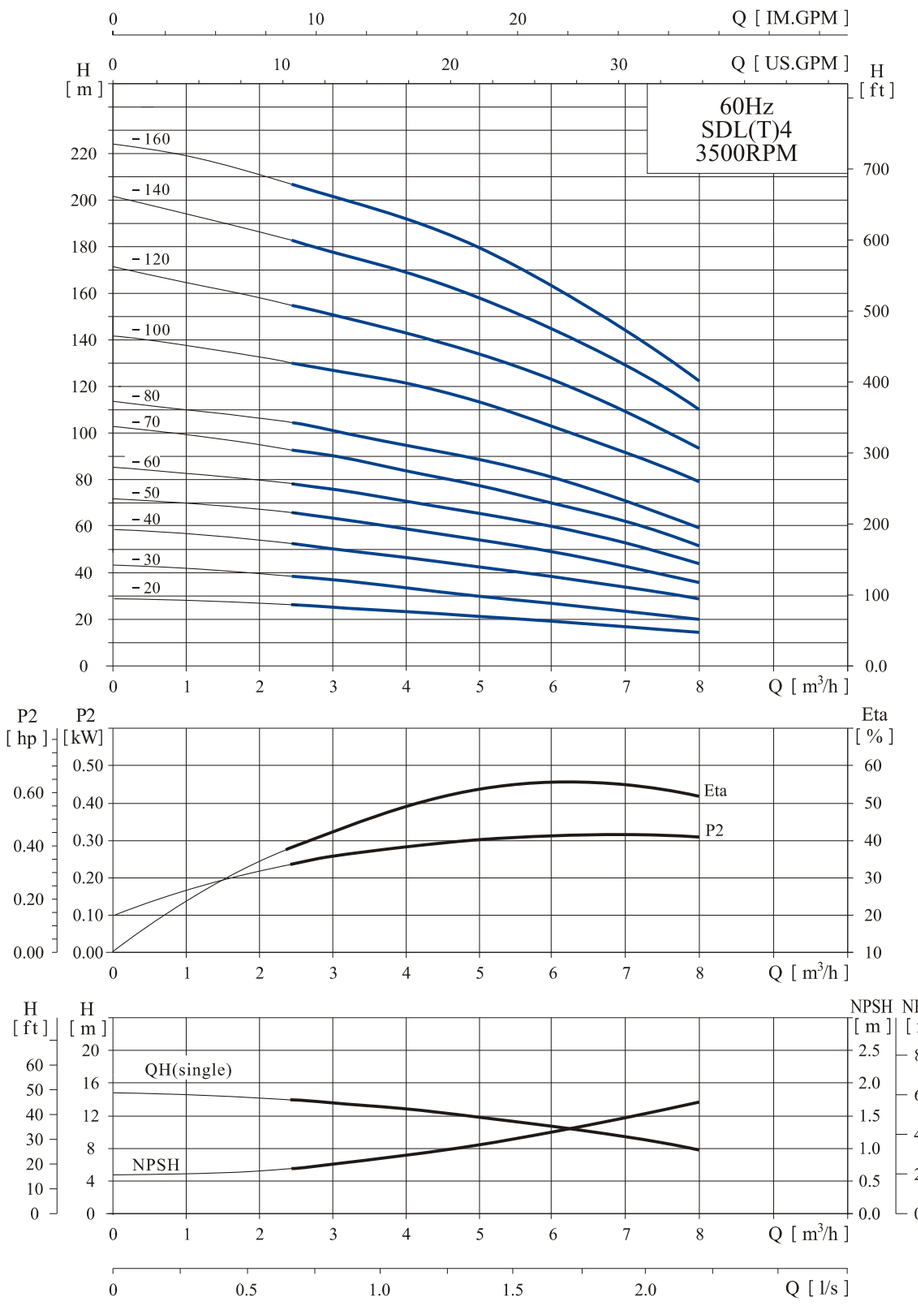
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL3-20	258	210	468	148	117	20
SDL3-30	276	210	486	148	117	21
SDL3-40	294	210	504	148	117	22
SDL3-50	322	245	567	170	142	25
SDL3-60	340	245	585	170	142	26
SDL3-70	358	245	603	170	142	27
SDL3-80	376	245	621	170	142	27
SDL3-90	404	290	694	190	155	33
SDL3-100	422	290	712	190	155	34
SDL3-110	440	290	730	190	155	34
SDL3-120	458	290	748	190	155	37
SDL3-130	476	290	766	190	155	38
SDL3-150	512	290	802	190	155	39
SDL3-170	548	290	838	190	155	40
SDL3-190	594	315	909	197	165	48
SDL3-210	630	315	945	197	165	49
SDL3-230	666	315	981	197	165	50
SDL3-250	702	335	1037	230	188	58

Performance Table

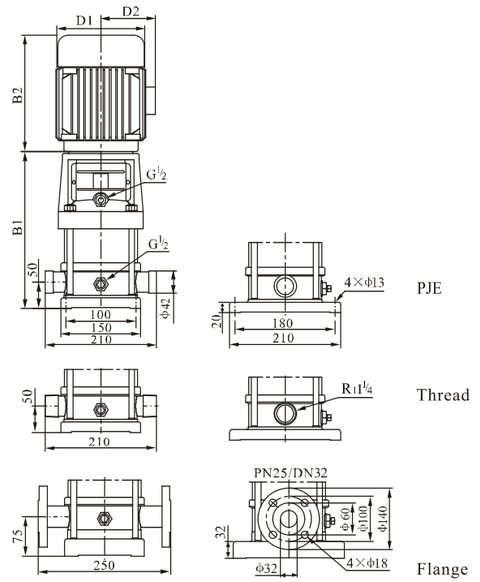
Model	Motor		Q (m^3/h)	1.5	2	2.5	3	3.5	4	4.5	5
	(kW)	(hp)									
SDL3-20	0.37	0.5	H (m)	17.5	16	15	14	13	11	9	8
SDL3-30	0.55	0.75		26.5	25	24	23	20	18	15	12
SDL3-40	0.55	0.75		35	34	32	30	27	25	20	17
SDL3-50	0.75	1		44	42	40	38	33	31	26	23
SDL3-60	1.1	1.5		51	50	48	45	40	37	32	27
SDL3-70	1.1	1.5		61	59	56	52	46	43	38	31
SDL3-80	1.1	1.5		70	67	64	61	53	49	44	35
SDL3-90	1.5	2		78	77	72	68	60	56	50	40
SDL3-100	1.5	2		87	84	81	76	68	63	55	44
SDL3-110	1.5	2		96	92	87	82	74	69	59	48
SDL3-120	2.2	3		104	100	96	90	79	73	63	52
SDL3-130	2.2	3		112	109	104	98	86	80	69	57
SDL3-150	2.2	3		129	126	120	112	99	93	81	65
SDL3-170	2.2	3		147	143	137	128	114	106	91	74
SDL3-190	3	4		165	160	153	142	126	118	102	82
SDL3-210	3	4		183	178	170	160	141	129	112	91
SDL3-230	3	4		200	194	185	174	154	142	122	98
SDL3-250	4	5.5		217	211	202	187	167	154	134	108

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

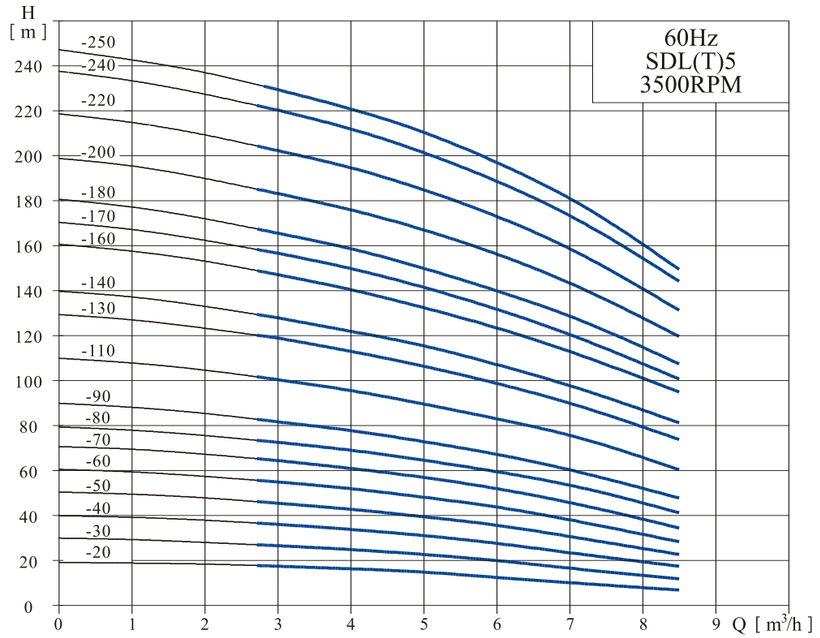
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL4-20	286	245	531	170	142	24
SDL4-30	313	245	558	170	142	25
SDL4-40	350	290	640	190	155	31
SDL4-50	376	290	667	190	155	34
SDL4-60	404	290	694	190	155	35
SDL4-70	441	315	756	197	165	42
SDL4-80	468	315	783	197	165	42
SDL4-100	522	335	857	230	188	51
SDL4-120	576	335	911	230	188	52
SDL4-140	650	430	1080	260	208	64
SDL4-160	704	430	1134	260	208	66

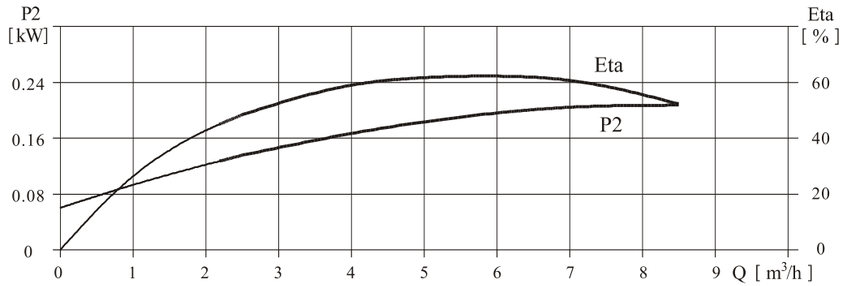
Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	2.5	3	4	5	6	7	8
SDL4-20	0.75	1	H (m)	26	25	23	21	19	16	14
SDL4-30	1.1	1.5		39	38	36	32	28	24	21
SDL4-40	1.5	2		52	50	48	44	38	35	31
SDL4-50	2.2	3		65	62	60	55	49	44	39
SDL4-60	2.2	3		78	75	72	67	59	54	47
SDL4-70	3	4		92	88	84	78	69	62	55
SDL4-80	3	4		104	100	95	90	79	72	63
SDL4-100	4	5.5		130	125	120	113	102	90	80
SDL4-120	4	5.5		156	150	145	136	122	109	96
SDL4-140	5.5	7.5		182	176	170	159	145	129	112
SDL4-160	5.5	7.5		207	201	196	183	165	146	128

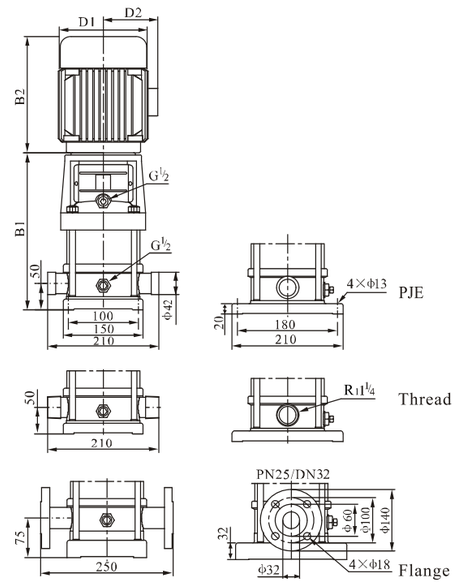
Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves





Installation Drawing



Size & Weight

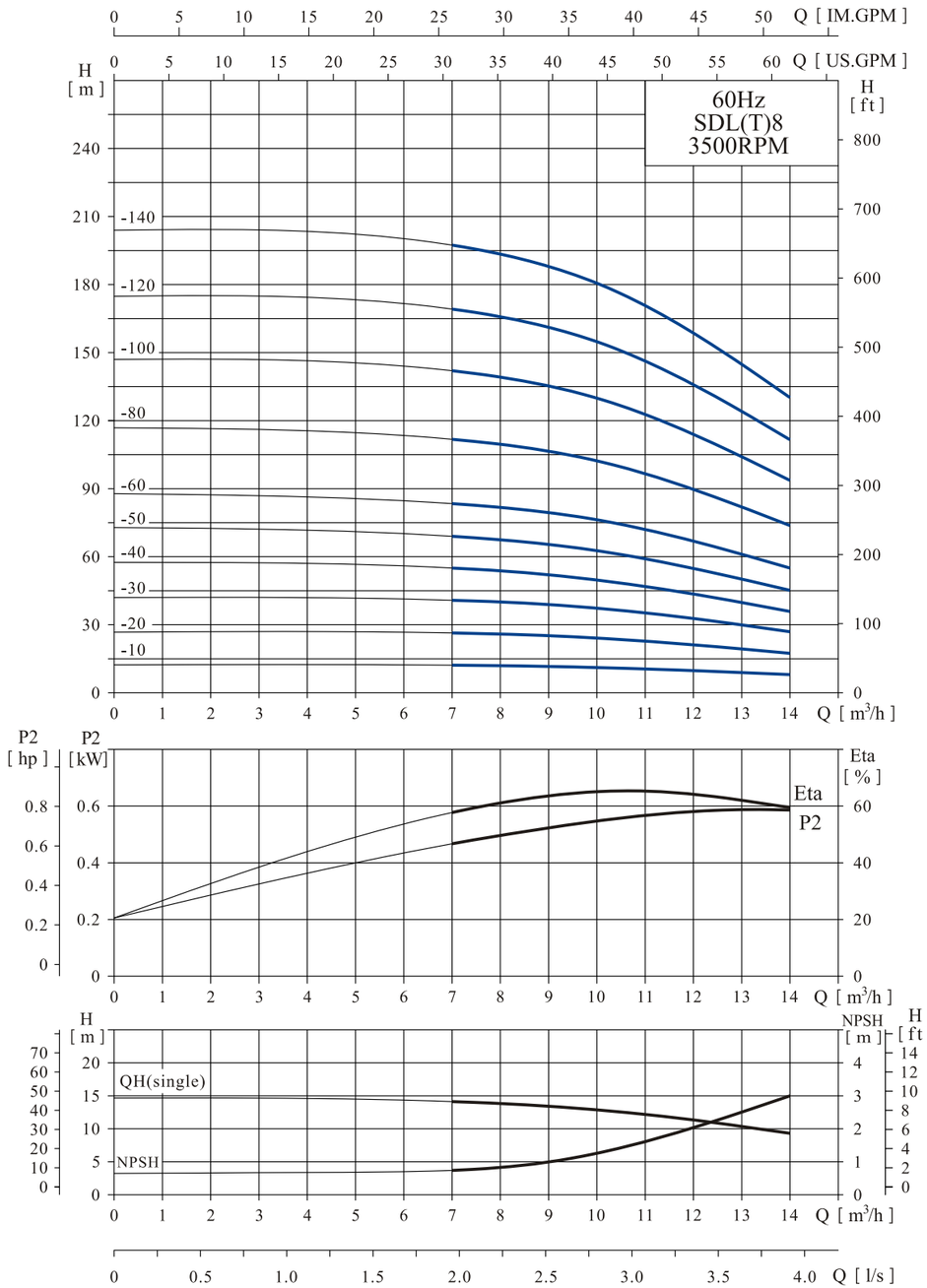
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL5-20	276	230	506	148	117	22
SDL5-30	313	250	563	170	142	25
SDL5-40	340	250	590	170	142	27
SDL5-50	377	310	687	190	155	29
SDL5-60	404	310	714	190	155	29
SDL5-70	431	310	741	190	155	34
SDL5-80	458	310	768	190	155	34
SDL5-90	485	310	795	190	155	35
SDL5-110	549	350	899	197	165	42
SDL5-130	603	350	953	197	165	43
SDL5-140	630	360	990	230	185	50
SDL5-160	684	360	1044	230	185	51
SDL5-170	711	360	1071	230	185	51
SDL5-180	758	400	1158	260	210	66
SDL5-200	812	400	1212	260	210	66
SDL5-220	866	400	1266	260	210	67
SDL5-240	920	400	1320	260	210	73
SDL5-250	947	400	1347	260	210	73

Performance Table

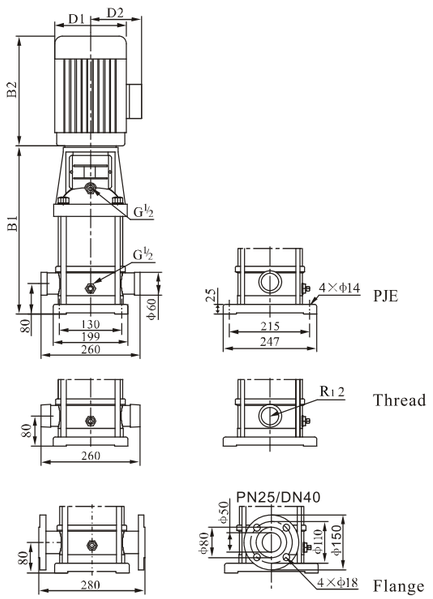
Model	Motor		Q (m^3/h)	3	4	5	6	7	8.5
	(kW)	(hp)							
SDL5-20	0.55	0.75		17	16	14.5	12.5	11	7
SDL5-30	0.75	1		26	24.5	22.5	20	16.5	12.5
SDL5-40	1.1	1.5		35	33.5	30.5	28	23.5	18
SDL5-50	1.5	2		44.5	42.5	39	36	31	23.5
SDL5-60	1.5	2		53.5	51	47.5	44	38.5	29
SDL5-70	2.2	3		63	60	56.5	52	46.5	35.5
SDL5-80	2.2	3		72.5	69	64.5	60	54	41.5
SDL5-90	2.2	3		81.5	77.5	72.5	68	61	48
SDL5-110	3	4	H (m)	100.5	95.5	89.5	83.5	76	60.5
SDL5-130	3	4		119	113	107	99	90	74
SDL5-140	4	5.5		128	122	115.5	107	97.5	81.5
SDL5-160	4	5.5		147	140.5	132.5	123.5	113	95
SDL5-170	4	5.5		156	150.5	141.5	132	121.5	101
SDL5-180	5.5	7.5		165	159	150	140	129	107.5
SDL5-200	5.5	7.5		183	176	167.5	156.5	144	120
SDL5-220	5.5	7.5		202	195	185	173	159.5	132
SDL5-240	7.5	10		220	212.5	202	189	174	144.5
SDL5-250	7.5	10		229	221.5	210.5	197	182	150

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL8-10	310	250	560	170	142	32
SDL8-20	357	290	647	190	155	38
SDL8-30	387	290	677	190	155	41
SDL8-40	427	315	742	197	165	49
SDL8-50	457	315	772	197	165	50
SDL8-60	487	335	822	230	188	58
SDL8-80	567	430	997	260	208	71
SDL8-100	627	430	1057	260	208	80
SDL8-120	687	430	1117	260	208	82
SDL8-140	835	490	1325	330	255	153

Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	7	8	9	10	11	12	13	14
SDL8-10	0.75	1	H (m)	12.2	12	11.6	11.1	10.5	9.8	9.1	8
SDL8-20	1.5	2		26.4	26	25.1	24.1	22.8	21.3	19.6	17.4
SDL8-30	2.2	3		41	40	39	37	35	33	30	27
SDL8-40	3	4		55	54	52	50	47	44	41	36
SDL8-50	3	4		69	68	65	63	59	55	51	45
SDL8-60	4	5.5		83	82	79	76	72	67	62	55
SDL8-80	5.5	7.5		112	110	106	102	97	90	83	74
SDL8-100	7.5	10		142	140	135	130	123	115	106	94
SDL8-120	7.5	10		169	167	161	155	146	137	126	112
SDL8-140	11	15		197	195	188	181	171	160	147	130

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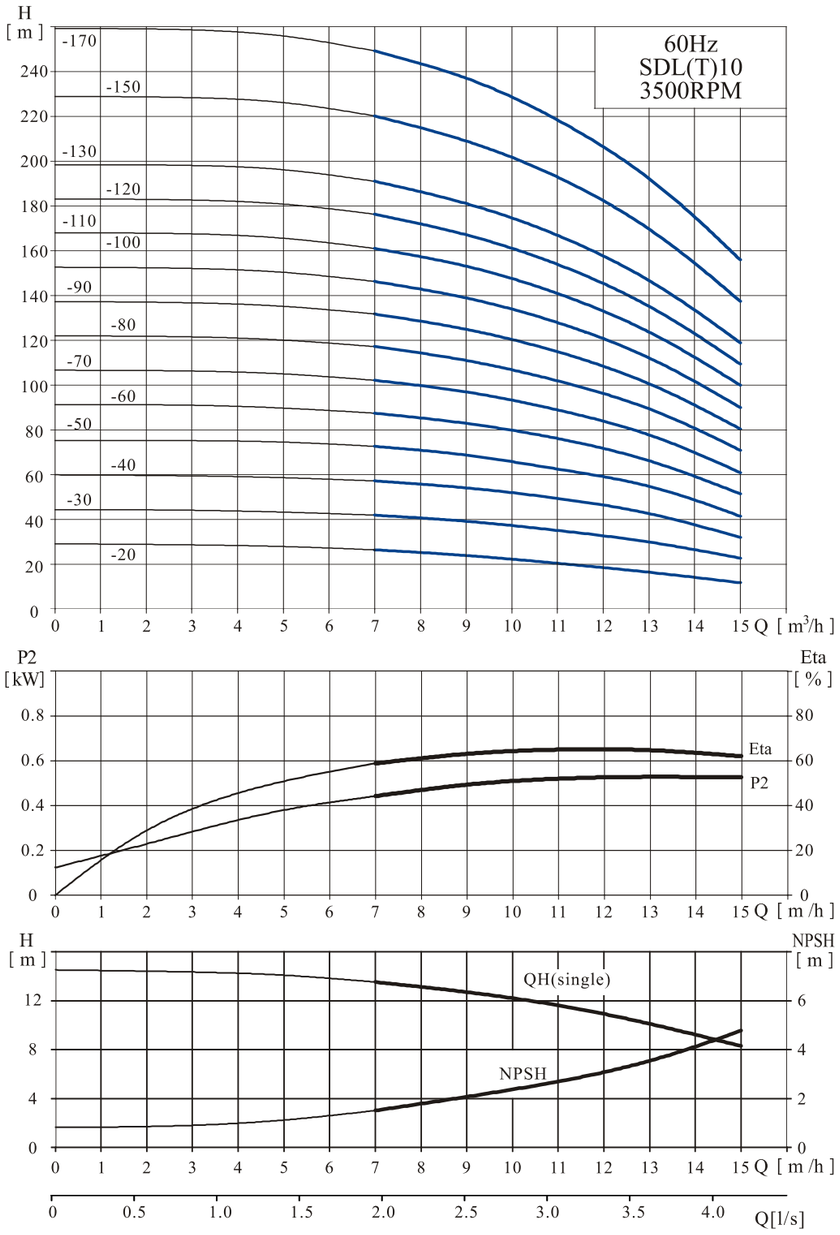
Performance Curves



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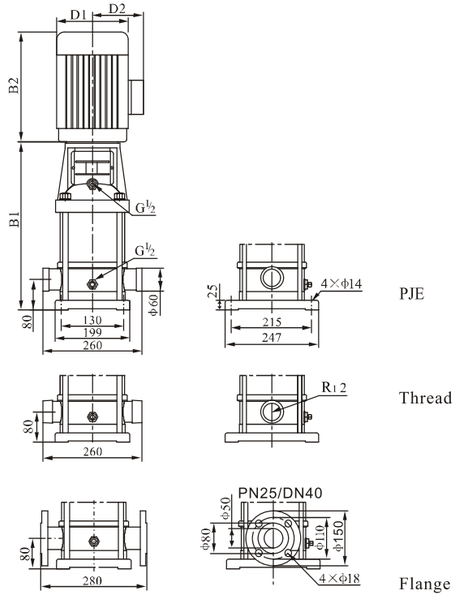


Size & Weight

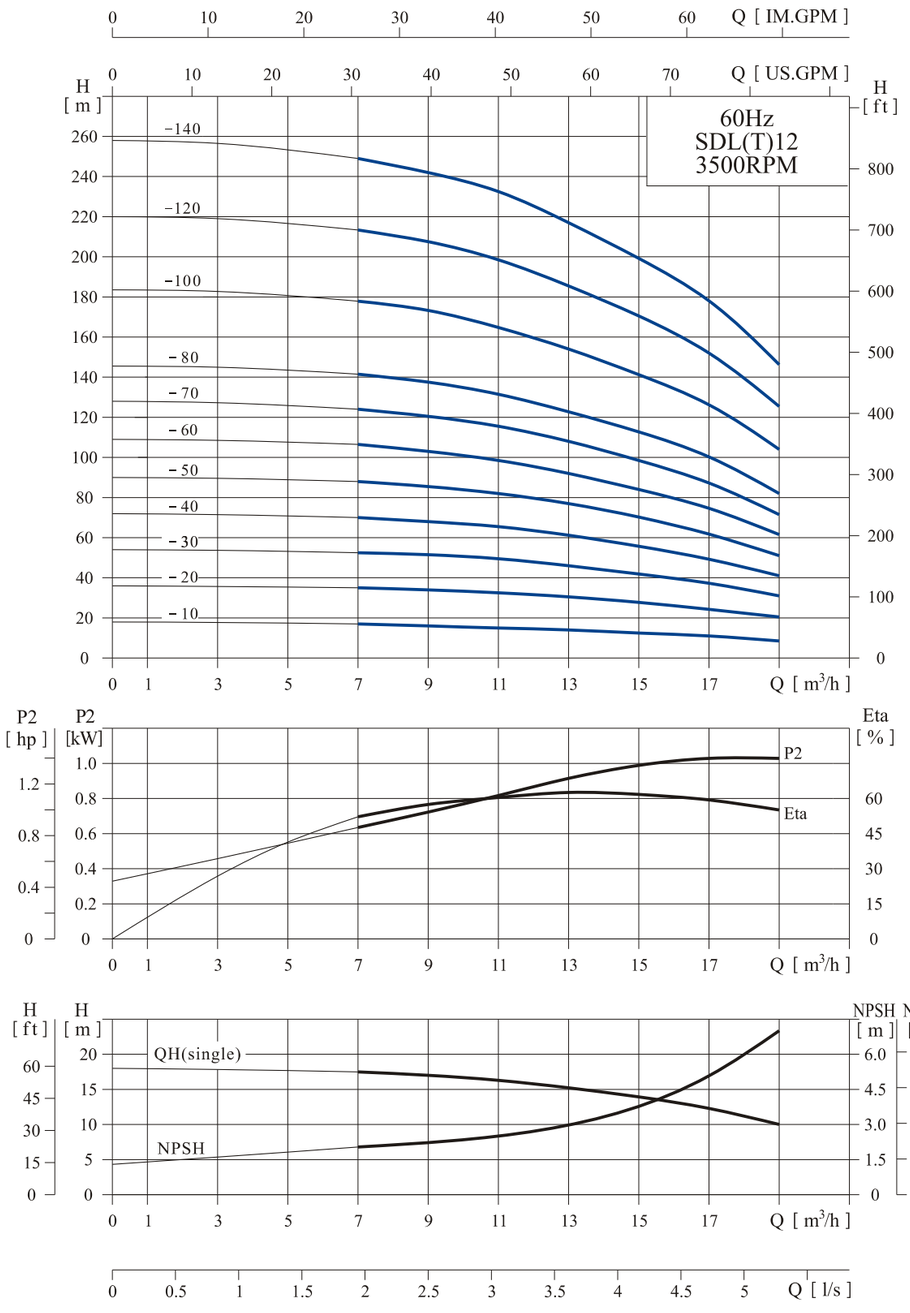
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL10-20	357	310	667	190	155	39
SDL10-30	387	310	697	190	155	42
SDL10-40	427	350	777	197	165	49
SDL10-50	457	350	807	197	165	49
SDL10-60	487	360	847	230	185	59
SDL10-70	537	400	937	260	210	76
SDL10-80	567	400	967	260	210	76
SDL10-90	597	400	997	260	210	77
SDL10-100	627	400	1027	260	210	87
SDL10-110	657	400	1057	260	210	87
SDL10-120	687	400	1087	260	210	88
SDL10-130	805	510	1315	330	255	142
SDL10-150	865	510	1375	330	255	143
SDL10-170	925	510	1435	330	255	144

Performance Table

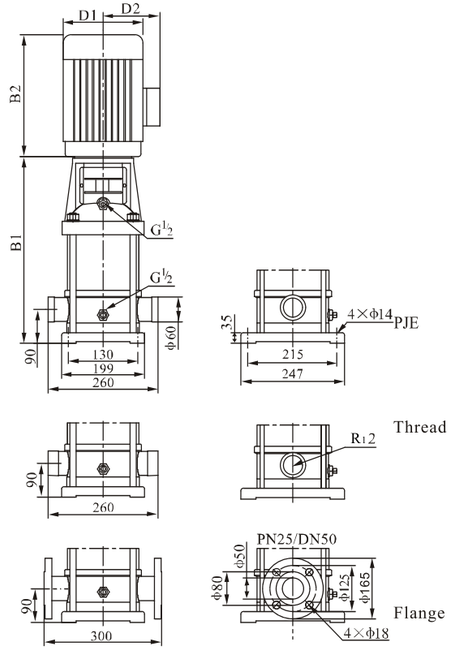
Model	Motor (kW)	Motor (hp)	Q (m³/h)	7	9	10	11	12	13	15
SDL10-20	1.5	2	H (m)	26.5	24	22	20.5	19	16.5	12
SDL10-30	2.2	3		42	39.5	38	35	33	30	23
SDL10-40	3	4		57.5	54	52.5	49.5	46	43	32
SDL10-50	3	4		72.5	69	66.5	62.5	59	55	41.5
SDL10-60	4	5.5		87.5	83	80	76	71.5	66.5	51.5
SDL10-70	5.5	7.5		102.5	97	93.5	89	84	78	61
SDL10-80	5.5	7.5		117.5	111	107	102	96	89.5	71
SDL10-90	5.5	7.5		132	125	120.5	115	108	101	80.5
SDL10-100	7.5	10		146.5	139	134	128	120	112.5	90
SDL10-110	7.5	10		161.5	153	147.5	141	132	124	100
SDL10-120	7.5	10		176.5	167	161	154	144	135.5	109.5
SDL10-130	11	15		191.5	181	175	167	156	147	119
SDL10-150	11	15		220.5	209	202	193	180	170	137.5
SDL10-170	11	15		249.5	237	229	218.5	204	192.5	156

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL12-10	357	245	602	170	142	32
SDL12-20	367	290	657	190	155	41
SDL12-30	407	335	742	230	188	56
SDL12-40	457	430	887	260	208	69
SDL12-50	487	430	917	260	208	71
SDL12-60	517	430	947	260	208	77
SDL12-70	547	430	977	260	208	78
SDL12-80	665	490	1155	330	255	147
SDL12-100	725	490	1215	330	255	151
SDL12-120	785	490	1275	330	255	164
SDL12-140	845	490	1335	330	255	167

Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	7	9	11	12	13	15	17	19
SDL12-10	1.1	1.5	H (m)	17	16	15	14.5	14	12.5	11	8.5
SDL12-20	2.2	3		35	34	32.5	32	30.5	27	24.5	20.5
SDL12-30	4	5.5		52.5	51.5	50	48	46	41.5	37.5	31
SDL12-40	5.5	7.5		70	68	65.5	64	61.5	55	49.5	41
SDL12-50	5.5	7.5		88	86	82	80	77	70	62	51
SDL12-60	7.5	10		107	103	99	96	92	84	75	61
SDL12-70	7.5	10		124	121	116	112	107	97	88	71
SDL12-80	11	15		141	137	132	128	122	111	101	82
SDL12-100	11	15		178	173	166	161	153	140	128	104
SDL12-120	15	20		213	208	199	193	185	169	154	125
SDL12-140	15	20		249	242	233	225	216	198	180	145

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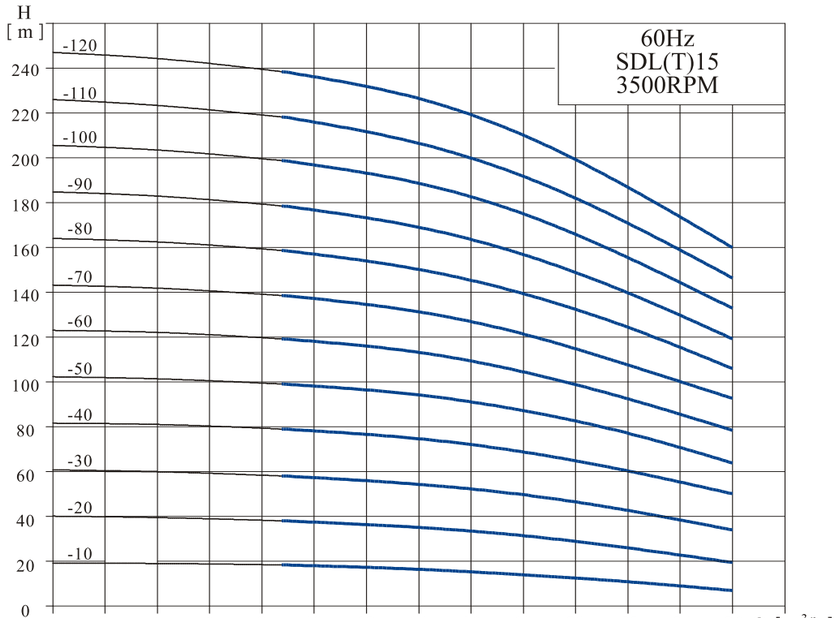
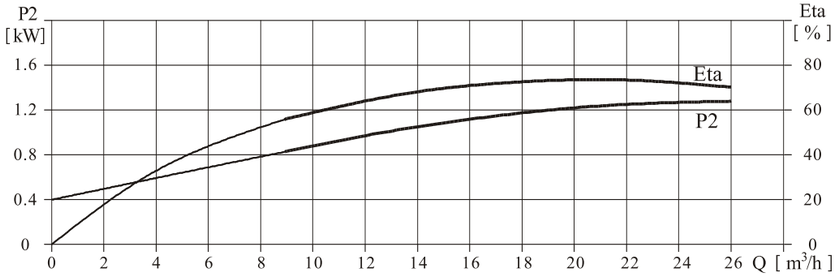
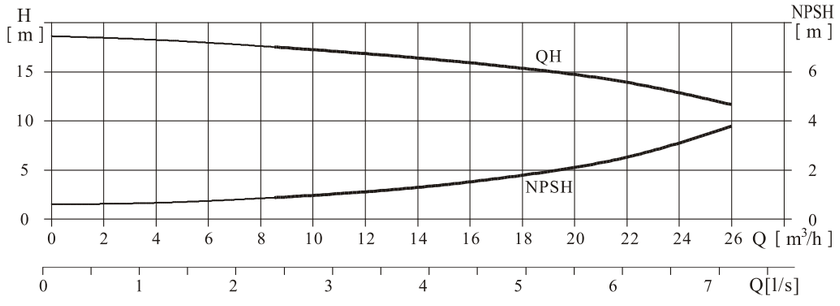
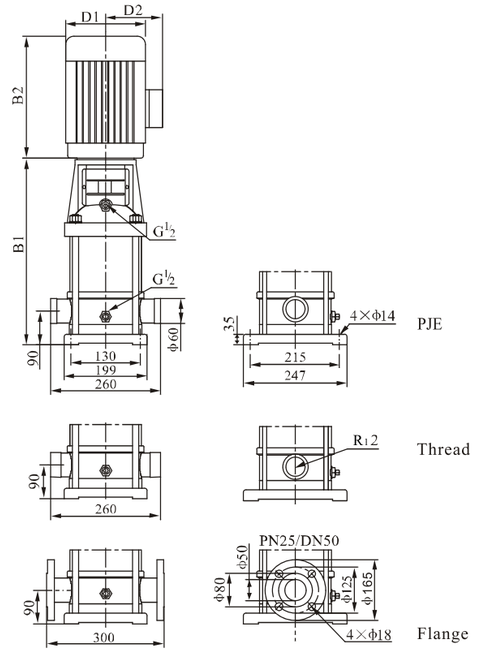
Performance Curves







Installation Drawing



Size & Weight

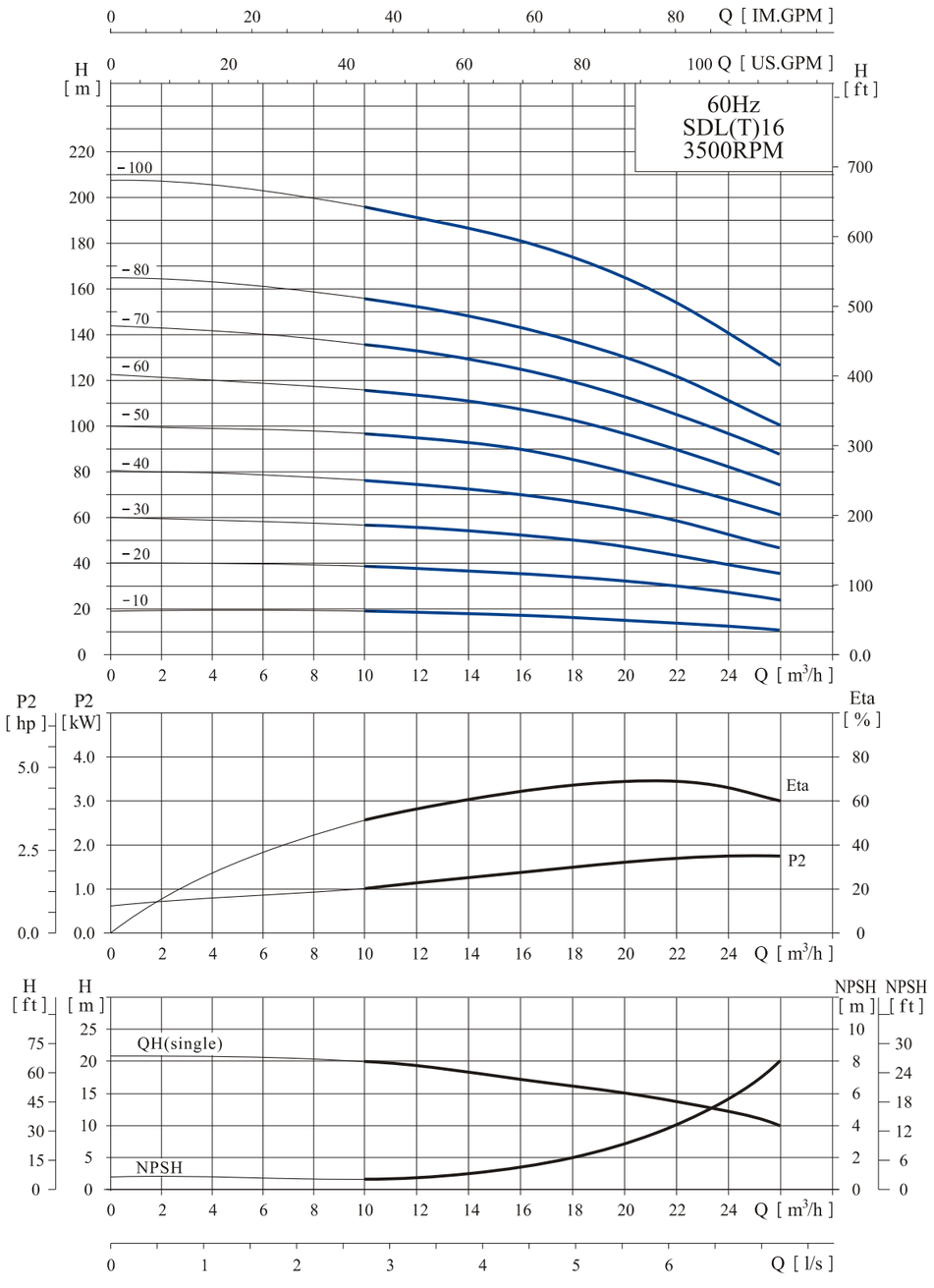
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL15-10	397	310	707	190	155	36
SDL15-20	452	350	802	197	165	48
SDL15-30	497	360	857	230	185	57
SDL15-40	562	400	962	260	210	74
SDL15-50	607	400	1007	260	210	82
SDL15-60	740	510	1250	330	255	155
SDL15-70	785	510	1295	330	255	155
SDL15-80	830	510	1340	330	255	156
SDL15-90	875	510	1385	330	255	170
SDL15-100	920	510	1430	330	255	171
SDL15-110	965	560	1525	330	255	192
SDL15-120	1010	560	1570	330	255	192

Performance Table

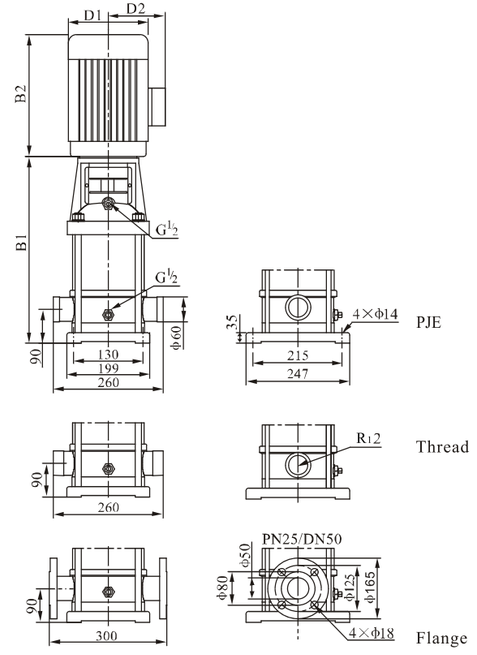
Model	Motor (kW)	Motor (hp)	Q (m³/h)	9	11	13	15	17	19	21	24	26
SDL15-10	1.5	2	H (m)	18.5	17.5	16.5	16	15	13	12	9.5	7
SDL15-20	3	4		38	37	35.5	34.5	32.5	30	27.5	22.5	19.5
SDL15-30	4	5.5		58	57	55	53.5	52	48.5	45	39	34
SDL15-40	5.5	7.5		79	76.5	76	73.5	71.5	67.5	64	56.5	50.5
SDL15-50	7.5	10		99	96	95	92.5	89.5	84.5	80	71	64
SDL15-60	11	15		119	115.5	114	111.5	107.5	102	96.5	86	78.5
SDL15-70	11	15		138.5	135	133.5	130	126	119.5	113.5	100	93
SDL15-80	11	15		158.5	155.5	152.5	149	144.5	137	130	115.5	106
SDL15-90	15	20		178.5	175	172	168	162	154	146	130	119.5
SDL15-100	15	20		198.5	194.5	191	186.5	180.5	172	162.5	145	133
SDL15-110	18.5	25		218	214	210	205	198.5	190	179	160	146.5
SDL15-120	18.5	25		238	234	229.5	224	217	207.5	196	175	160

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

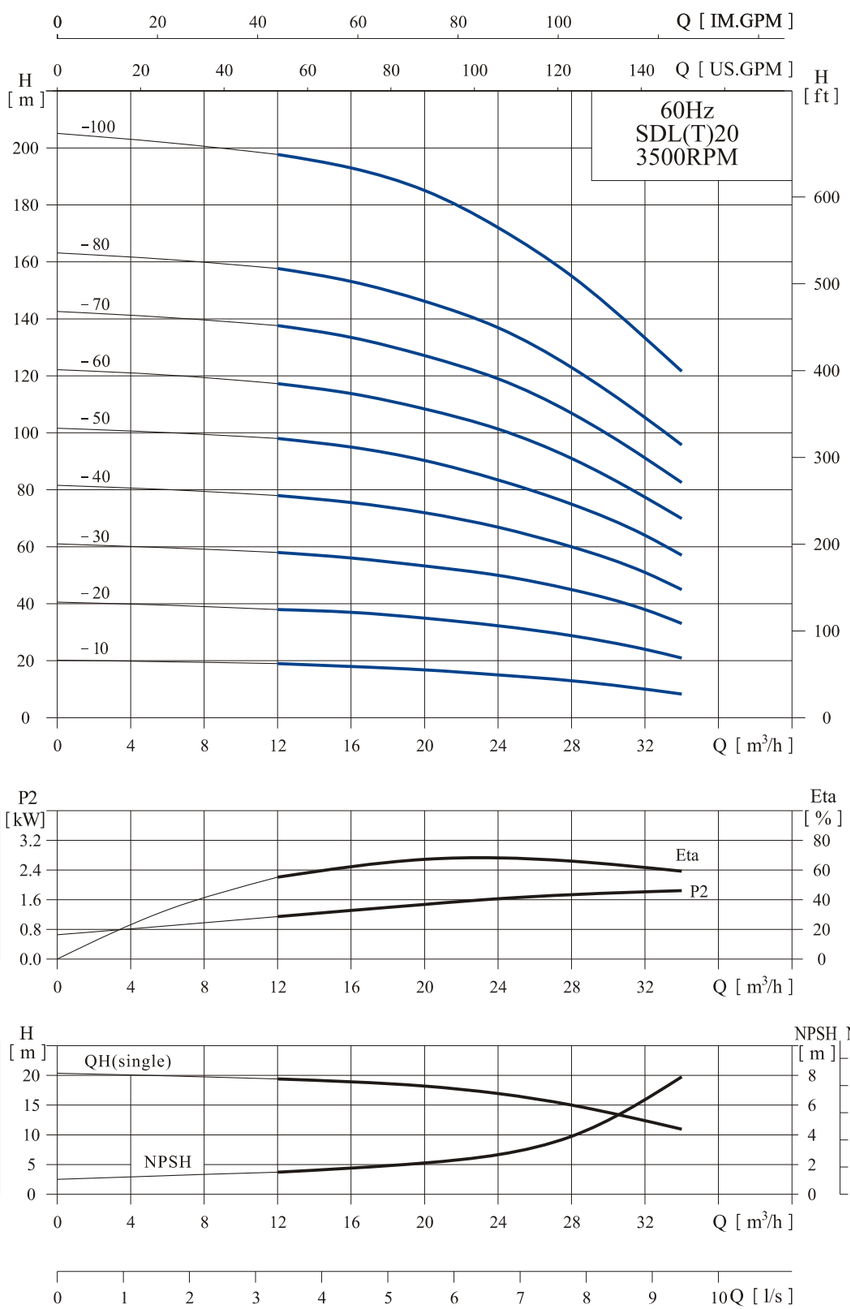
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL16-10	352	290	642	190	155	42
SDL16-20	407	335	742	230	188	56
SDL16-30	472	430	902	260	208	68
SDL16-40	517	430	947	260	208	75
SDL16-50	650	490	1140	330	255	148
SDL16-60	695	490	1185	330	255	150
SDL16-70	740	490	1230	330	255	161
SDL16-80	785	490	1275	330	255	163
SDL16-100	875	550	1425	330	255	186

Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	10	12	14	16	18	20	22	24	26
SDL16-10	2.2	3	H (m)	19	18.5	18	17	16	15	14	13	11
SDL16-20	4	5.5		38	37	36	35	34	32	30	27	24
SDL16-30	5.5	7.5		57	56	55	54	51	48	45	40	36
SDL16-40	7.5	10		76	75	73	72	68	64	60	54	49
SDL16-50	11	15		96	94	92	90	85	80	75	68	62
SDL16-60	11	15		115	113	111	108	102	96	91	82	75
SDL16-70	15	20		135	132	129	126	119	113	106	96	88
SDL16-80	15	20		155	152	148	144	137	130	122	111	101
SDL16-100	18.5	25		197	192	187	181	174	165	153	139	127

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



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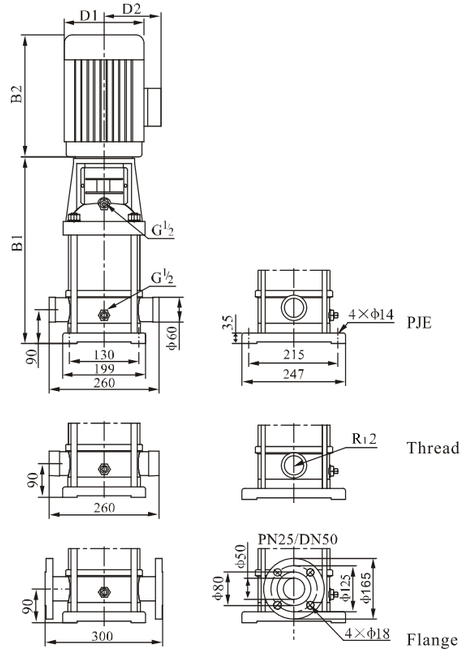


Size & Weight

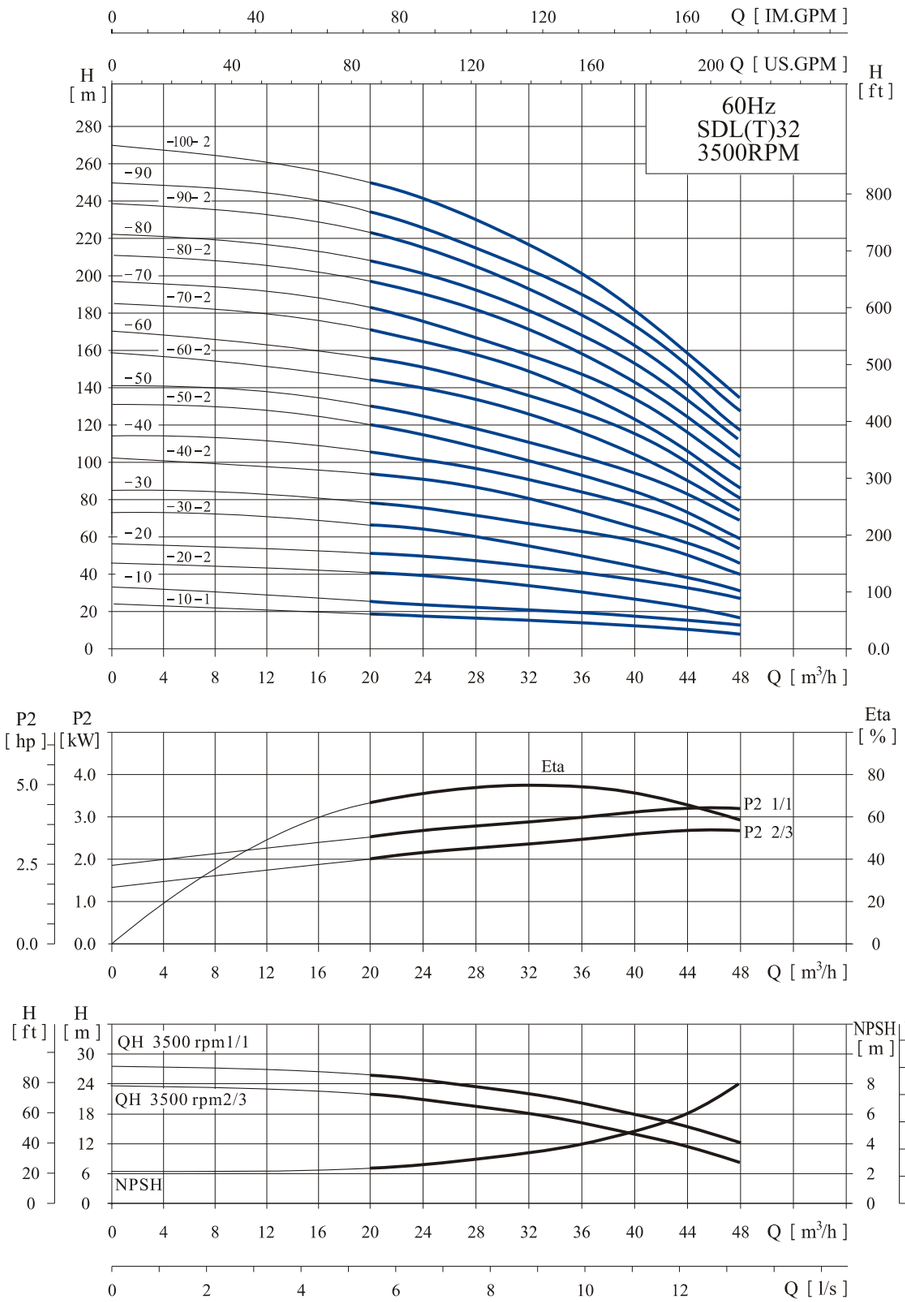
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL20-10	352	290	642	190	155	41
SDL20-20	407	335	742	230	188	56
SDL20-30	472	430	902	260	208	69
SDL20-40	517	430	947	260	208	79
SDL20-50	650	490	1140	330	255	148
SDL20-60	695	490	1185	330	255	150
SDL20-70	740	490	1230	330	255	162
SDL20-80	785	490	1275	330	255	163
SDL20-100	875	550	1425	330	255	187

Performance Table

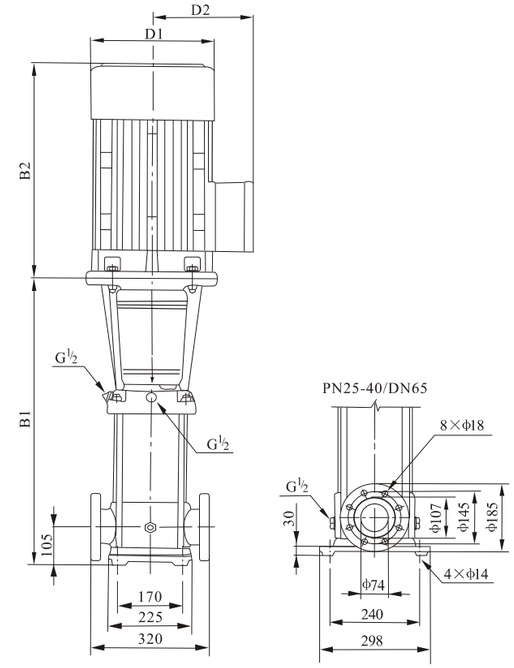
Model	Motor (kW)	Motor (hp)	Q (m³/h)	12	16	20	24	28	32	34
SDL20-10	2.2	3	H (m)	19	18	17	15	13	10	8.5
SDL20-20	4.0	5.5		38	37	35	32	29	24	21
SDL20-30	5.5	7.5		58	56	53	50	45	38	33
SDL20-40	7.5	10		78	75	72	67	60	51	45
SDL20-50	11	15		98	94	90	85	75	64	57
SDL20-60	11	15		118	113	108	102	91	77	70
SDL20-70	15	20		138	133	127	119	107	91	83
SDL20-80	15	20		158	153	146	137	123	105	96
SDL20-100	18.5	25		198	193	185	172	155	133	122

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

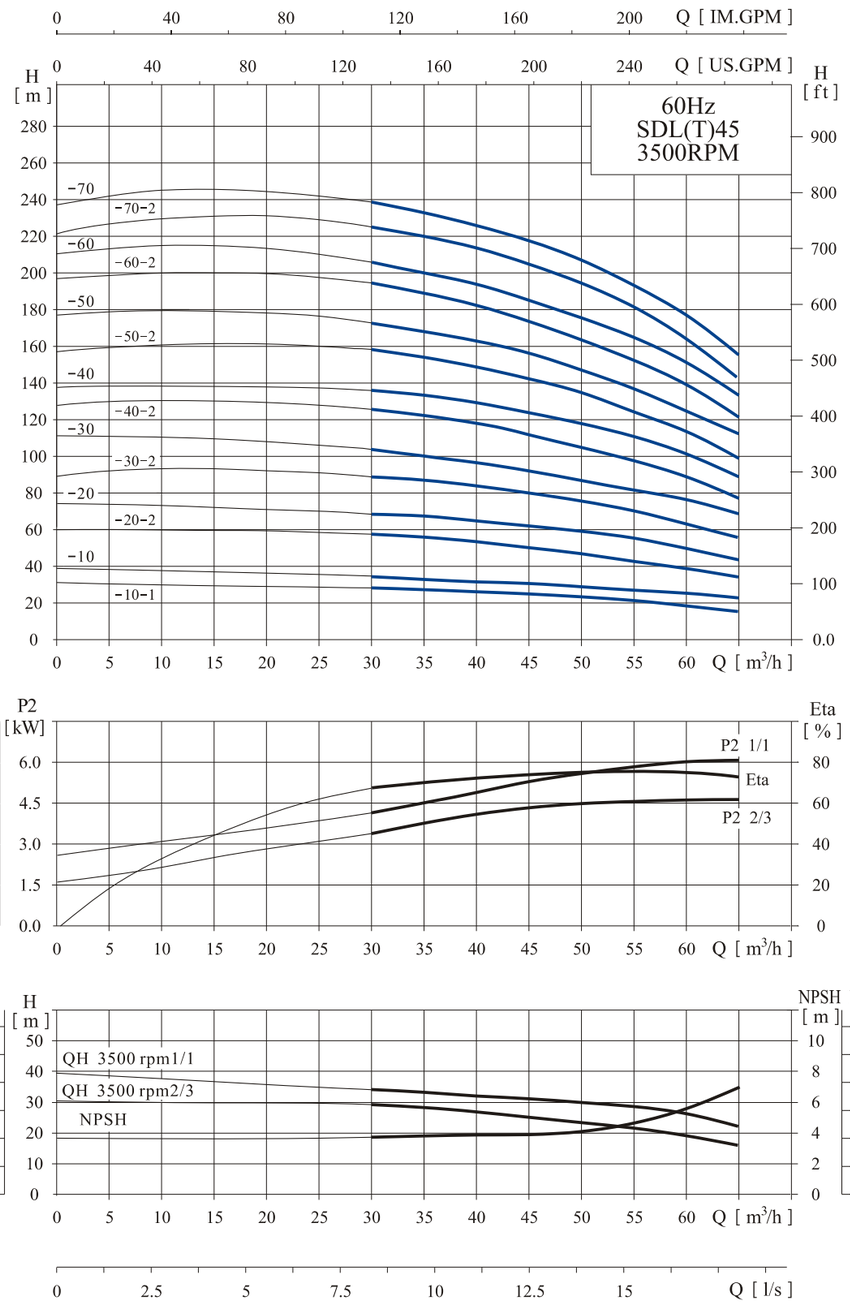
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL32-10-1	505	315	820	197	165	73
SDL32-10	505	335	840	230	188	81
SDL32-20-2	575	430	1005	260	208	95
SDL32-20	575	430	1005	260	208	101
SDL32-30-2	645	490	1135	330	255	104
SDL32-30	750	490	1240	330	255	172
SDL32-40-2	820	490	1310	330	255	176
SDL32-40	820	490	1310	330	255	186
SDL32-50-2	890	490	1380	330	255	191
SDL32-50	890	550	1440	330	255	211
SDL32-60-2	960	550	1510	330	255	216
SDL32-60	960	550	1510	330	255	216
SDL32-70-2	1030	590	1620	360	285	255
SDL32-70	1030	590	1620	360	285	255
SDL32-80-2	1100	590	1690	400	310	259
SDL32-80	1100	660	1760	400	310	315
SDL32-90-2	1170	660	1830	400	310	319
SDL32-90	1170	660	1830	400	310	319
SDL32-100-2	1240	660	1900	400	310	324

Performance Table

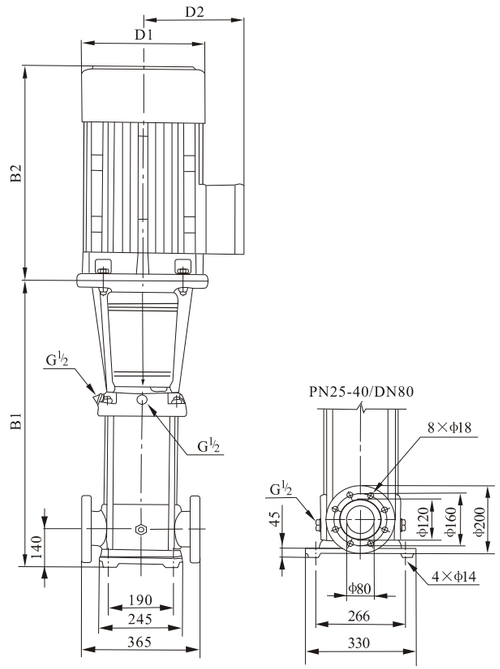
Model	Motor		Q (m³/h)	20	24	28	32	36	40	44	48
	(kW)	(hp)									
SDL32-10-1	3.0	4	H (m)	20	19	18	17	15	13	10	7
SDL32-10	4.0	5.5		26	25	24	23	21	19	17	14
SDL32-20-2	5.5	7.5		41	40	38	35	31	27	22	17
SDL32-20	7.5	10		52	50	48	45	41	37	33	27
SDL32-30-2	7.5	10		67	64	61	57	52	46	39	31
SDL32-30	11	15		78	75	71	67	62	56	50	40
SDL32-40-2	11	15		94	91	87	81	73	65	56	45
SDL32-40	15	20		104	101	96	91	83	75	66	55
SDL32-50-2	15	20		119	115	109	102	94	84	73	59
SDL32-50	18.5	25		130	125	119	112	104	94	83	69
SDL32-60-2	18.5	25		145	140	134	126	116	104	90	74
SDL32-60	18.5	25		155	150	144	136	126	114	100	81
SDL32-70-2	22	30		172	166	158	149	137	123	106	86
SDL32-70	22	30		182	176	168	159	148	133	118	97
SDL32-80-2	22	30		196	190	182	172	159	143	124	102
SDL32-80	30	40		208	201	192	181	167	152	132	111
SDL32-90-2	30	40		223	216	206	194	179	162	142	117
SDL32-90	30	40		234	226	216	204	189	172	152	127
SDL32-100-2	30	40		248	241	231	217	201	181	159	133

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

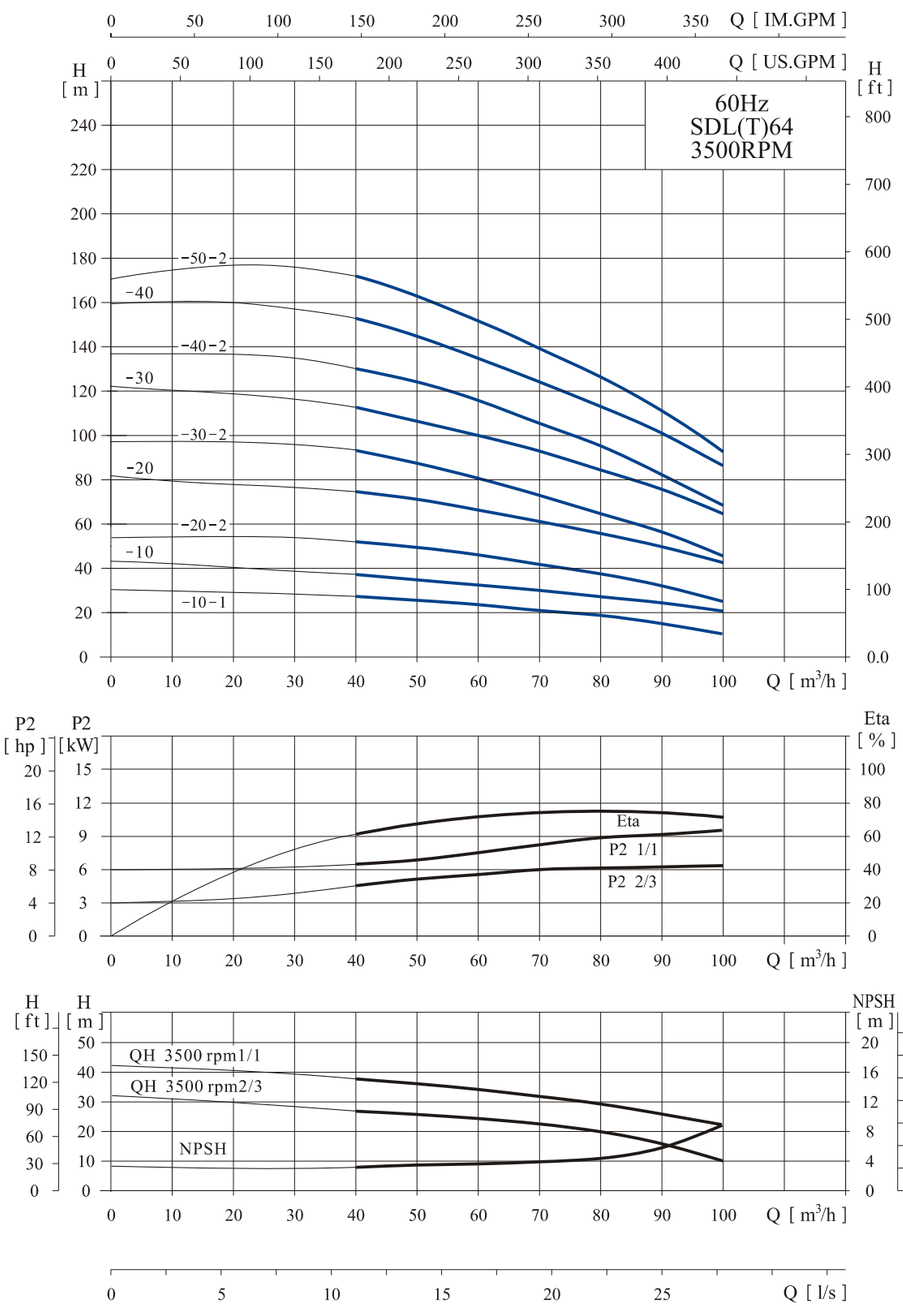
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL45-10-1	561	430	992	260	208	101
SDL45-10	561	430	992	260	208	106
SDL45-20-2	748	490	1238	330	255	178
SDL45-20	748	490	1238	330	255	188
SDL45-30-2	828	550	1378	330	255	213
SDL45-30	828	550	1378	330	255	213
SDL45-40-2	908	590	1498	360	285	253
SDL45-40	908	660	1568	400	310	309
SDL45-50-2	988	660	1648	400	310	313
SDL45-50	988	660	1648	400	310	313
SDL45-60-2	1068	660	1728	400	310	340
SDL45-60	1068	660	1728	400	310	340
SDL45-70-2	1148	700	1848	460	340	404
SDL45-70	1148	700	1848	460	340	404

Performance Table

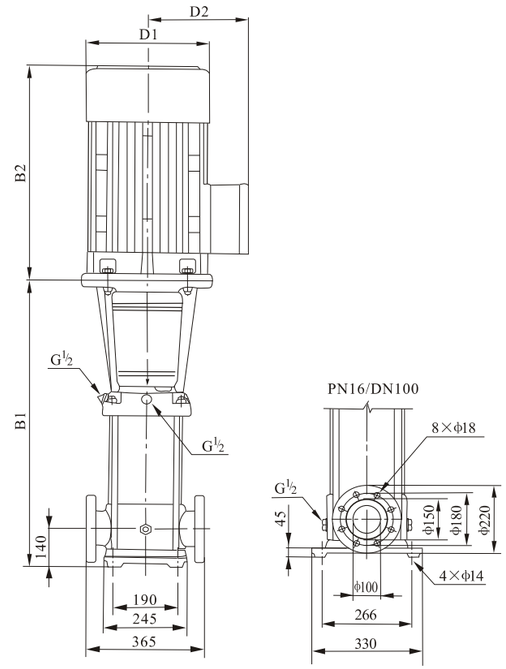
Model	Motor (kW)	Motor (hp)	Q (m^3/h)	30	35	40	45	50	55	60	65
SDL45-10-1	5.5	7.5	H (m)	29	28	27	25	23	21	19	16
SDL45-10	7.5	10		34	33	32	30	29	27	25	22
SDL45-20-2	11	15		57	55	53	49	46	43	38	33
SDL45-20	15	20		69	67	65	61	59	55	50	44
SDL45-30-2	18.5	25		90	88	85	80	75	72	63	55
SDL45-30	18.5	25		102	100	97	92	88	82	76	68
SDL45-40-2	22	30		125	121	118	112	105	98	89	78
SDL45-40	30	40		136	133	129	123	117	112	102	89
SDL45-50-2	30	40		159	154	149	142	134	121	115	99
SDL45-50	30	40		171	166	161	154	145	138	126	112
SDL45-60-2	37	50		194	188	182	173	163	155	139	122
SDL45-60	37	50		205	200	193	186	176	166	152	134
SDL45-70-2	45	60		227	220	213	205	193	182	165	144
SDL45-70	45	60		239	232	226	216	204	194	178	157

Size and appearance for single motor, and explosion-proof motor are different. Please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

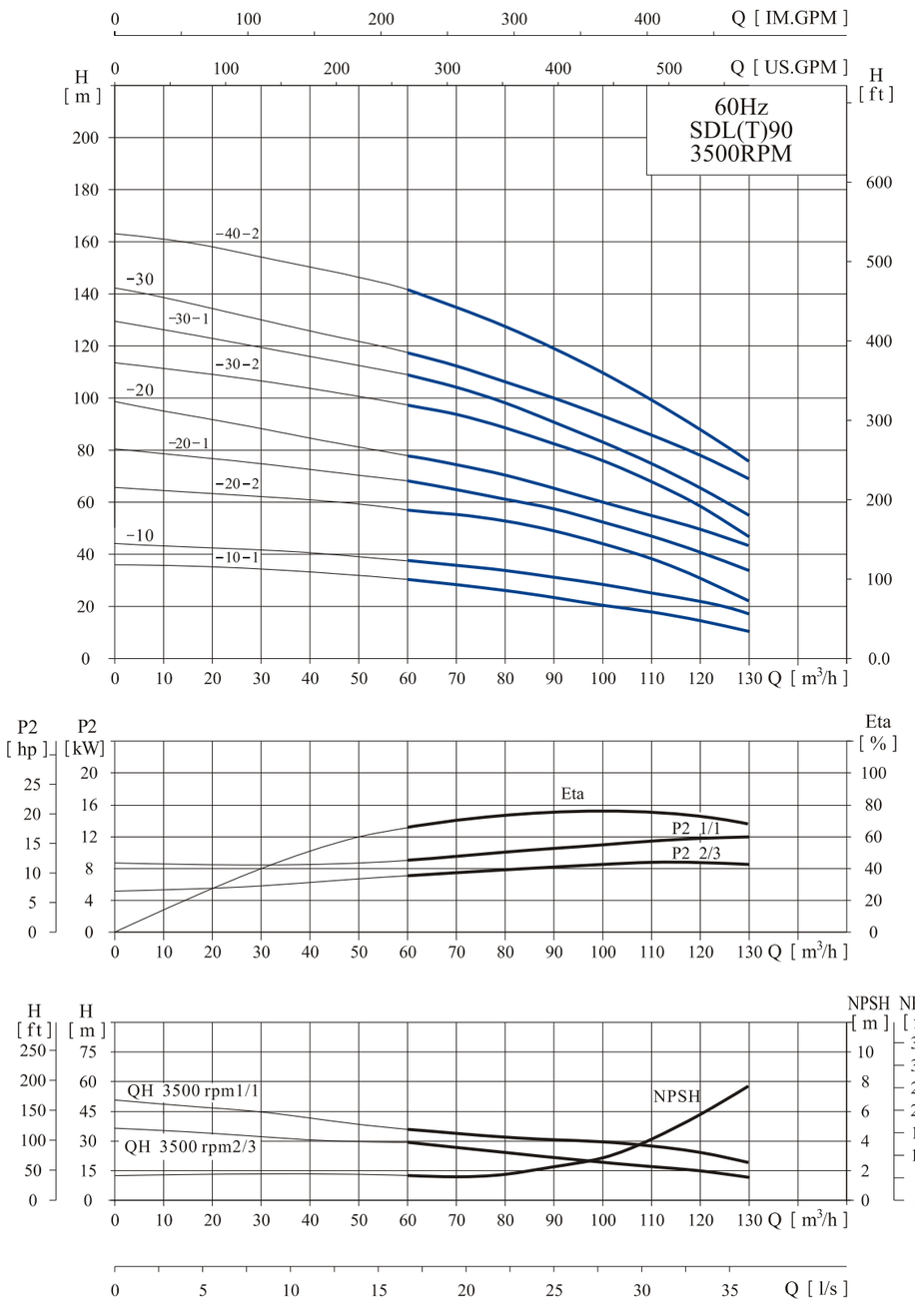
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL64-10-1	561	430	991	260	208	109
SDL64-10	671	490	1161	330	255	177
SDL64-20-2	754	490	1244	330	255	187
SDL64-20	754	590	1344	360	285	248
SDL64-30-2	836	590	1426	360	285	252
SDL64-30	836	660	1496	400	310	313
SDL64-40-2	919	660	1579	400	310	336
SDL64-40	919	700	1619	460	340	398
SDL64-50-2	1001	700	1701	460	340	402

Performance Table

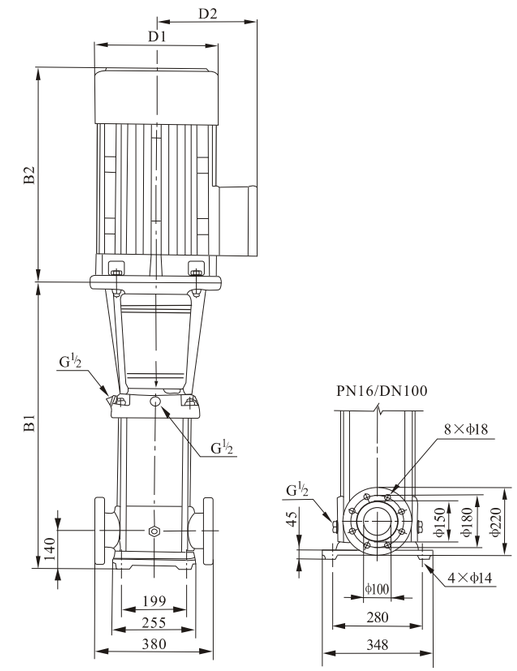
Model	Motor (kW)	Motor (hp)	Q (m^3/h)	40	50	60	64	70	80	90	100
SDL64-10-1	7.5	10	H (m)	26	25	23	22.5	21	18	14	10
SDL64-10	11	15		37	35	33	32.5	31	28	24	21
SDL64-20-2	15	20		53	50	47	44.5	42	37	31	23
SDL64-20	22	30		74	72	67	64.5	62	57	51	42
SDL64-30-2	22	30		93	88	80	76.5	72	65	56	45
SDL64-30	30	40		112	108	100	97	93	86	77	65
SDL64-40-2	37	50		130	124	115	111	103	94	83	66
SDL64-40	45	60		152	144	135	131	123	114	102	86
SDL64-50-2	45	60		172	162	151	145	137	126	112	91

Size and appearance for single motor, and explosion-proof motor are different. please contact us for detail.
For SDL64 series, PN25~40/DN100 flanges are also available on demand.

Performance Curves



Installation Drawing



Size & Weight

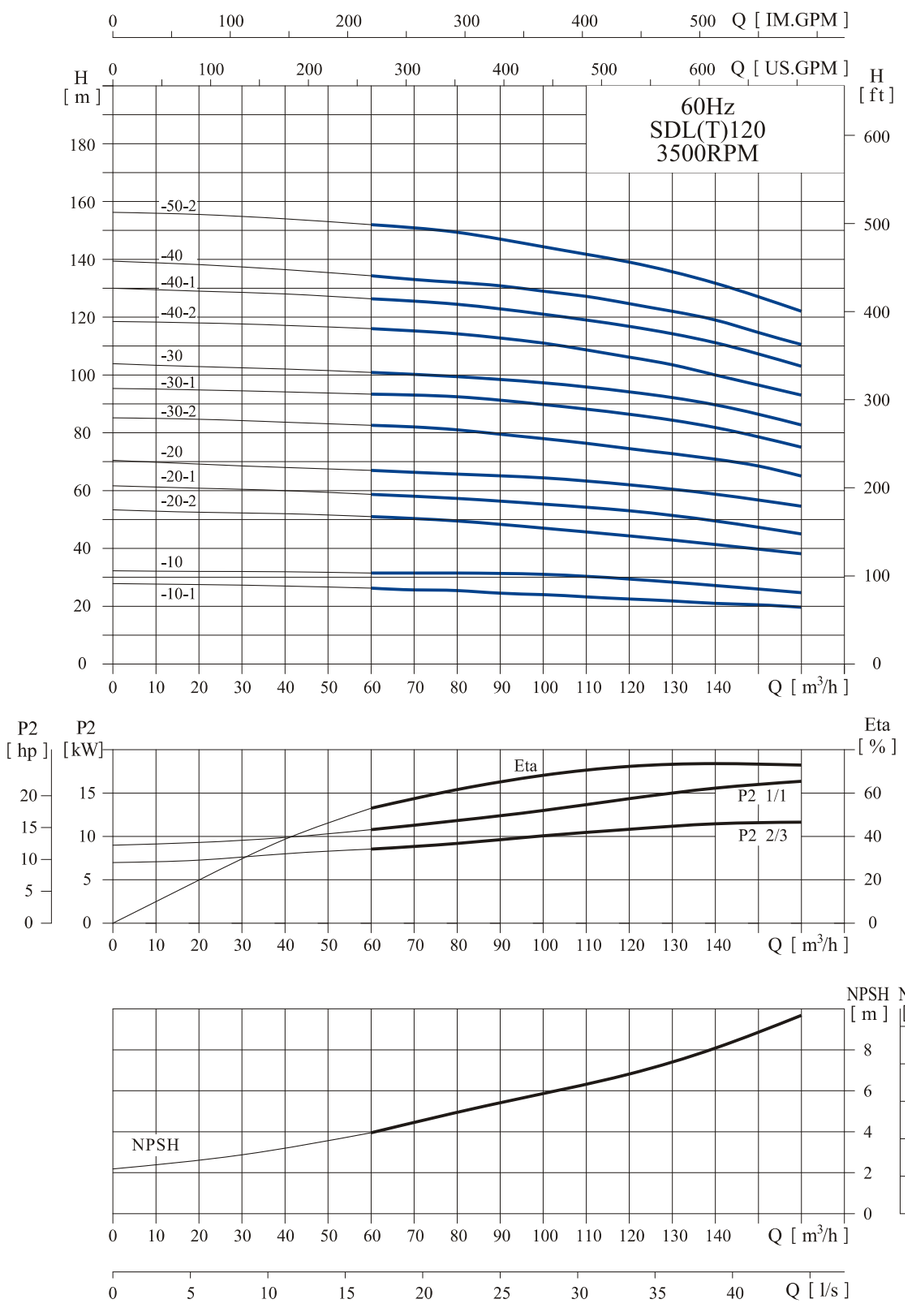
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL90-10-1	571	490	1061	330	255	177
SDL90-10	571	490	1061	330	255	188
SDL90-20-2	773	550	1323	330	255	211
SDL90-20-1	773	590	1363	360	285	248
SDL90-20	773	660	1433	400	310	304
SDL90-30-2	865	660	1525	400	310	330
SDL90-30-1	865	660	1525	400	310	330
SDL90-30	865	700	1565	460	340	392
SDL90-40-2	957	700	1657	460	340	396

Performance Table

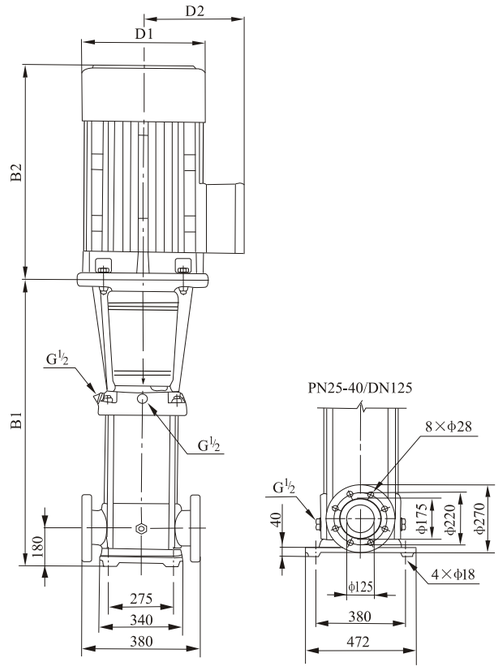
Model	Motor (kW)	Motor (hp)	Q (m³/h)	60	70	80	90	100	110	120	130
SDL90-10-1	11	15	H (m)	31	27	25	23	21	18	14	9
SDL90-10	15	20		36	35	33	30	29	26	23	18
SDL90-20-2	18.5	25		59	57	54	48	44	39	32	22
SDL90-20-1	22	30		67	65	62	57	51	47	41	33
SDL90-20	30	40		76	73	69	64	60	56	52	44
SDL90-30-2	37	50		98	94	88	82	75	69	59	46
SDL90-30-1	37	50		108	104	98	90	83	78	69	56
SDL90-30	45	60		116	111	105	97	93	88	79	69
SDL90-40-2	45	60		141	135	128	118	109	102	89	72

Size and appearance for single motor, and explosion-proof motor are different, please contact us for detail.
For SDL90 series, PN25~40/DN100 flanges are also available on demand.

Performance Curves



Installation Drawing



Size & Weight

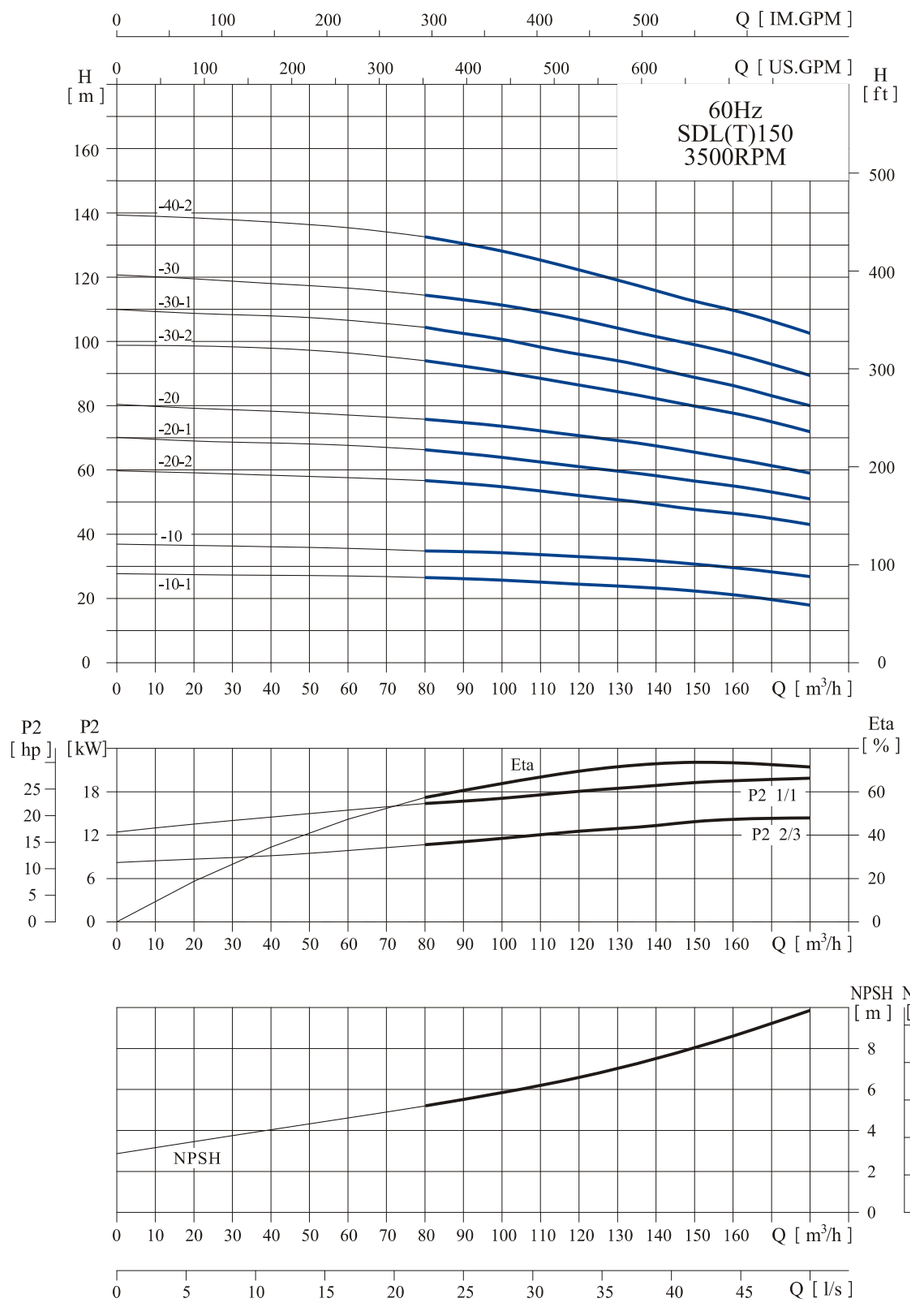
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL120-10-1	840	490	1330	330	255	235
SDL120-10	840	550	1390	330	255	250
SDL120-20-2	1000	660	1660	400	310	350
SDL120-20-1	1000	660	1660	400	310	350
SDL120-20	1000	660	1660	400	310	380
SDL120-30-2	1160	700	1860	460	340	445
SDL120-30-1	1160	700	1860	460	340	445
SDL120-30	1190	770	1960	510	370	545
SDL120-40-2	1350	845	2195	580	410	675
SDL120-40-1	1350	845	2195	580	410	675
SDL120-40	1350	845	2195	580	410	675
SDL120-50-2	1510	845	2355	580	410	690

Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	60	70	80	90	100	110	120	130	140	150	160
SDL120-10-1	15	20	H (m)	26.5	26	25	24.5	23.8	23	22.5	21.5	21.3	21	20
SDL120-10	18.5	25		30.8	30.7	30.7	30.5	30.3	29.5	28.8	27.6	26.4	25.4	24.4
SDL120-20-2	30	40		51.5	50.5	49.5	47.5	46	45.5	44.8	43	41	39.7	38.5
SDL120-20-1	30	40		58.3	58	57.3	56	54.7	54	53	51.5	50	47.4	45
SDL120-20	37	50		66.3	66	65.7	65	64.4	63	62	60.7	59.6	57	54.6
SDL120-30-2	45	60		83	82	81	79.5	78	76	74.5	73.5	71	68.5	65
SDL120-30-1	45	60		91.3	91	90.4	89	87.7	86	84.4	82	80	76.7	73.3
SDL120-30	55	75		100.3	100	99.4	98.3	97.3	95.5	94	92	90	86.3	82.7
SDL120-40-2	75	100		116	115.5	114	113	111	109	105.5	104	100	97	93
SDL120-40-1	75	100		126	125.4	124.6	122.6	120.6	118.5	116.5	114	111.3	107	103
SDL120-40	75	100		134	133	132	131	129.5	127.5	125	122	119	114.5	109.5
SDL120-50-2	75	100		152	151	149.7	147	144	141.5	139	135.5	132	127	122

Size and appearance for single motor, and explosion-proof motor are different, please contact us for detail.

Performance Curves



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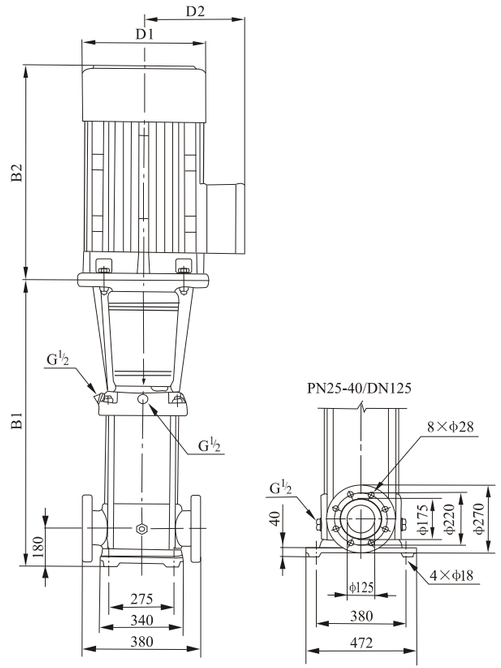


Size & Weight

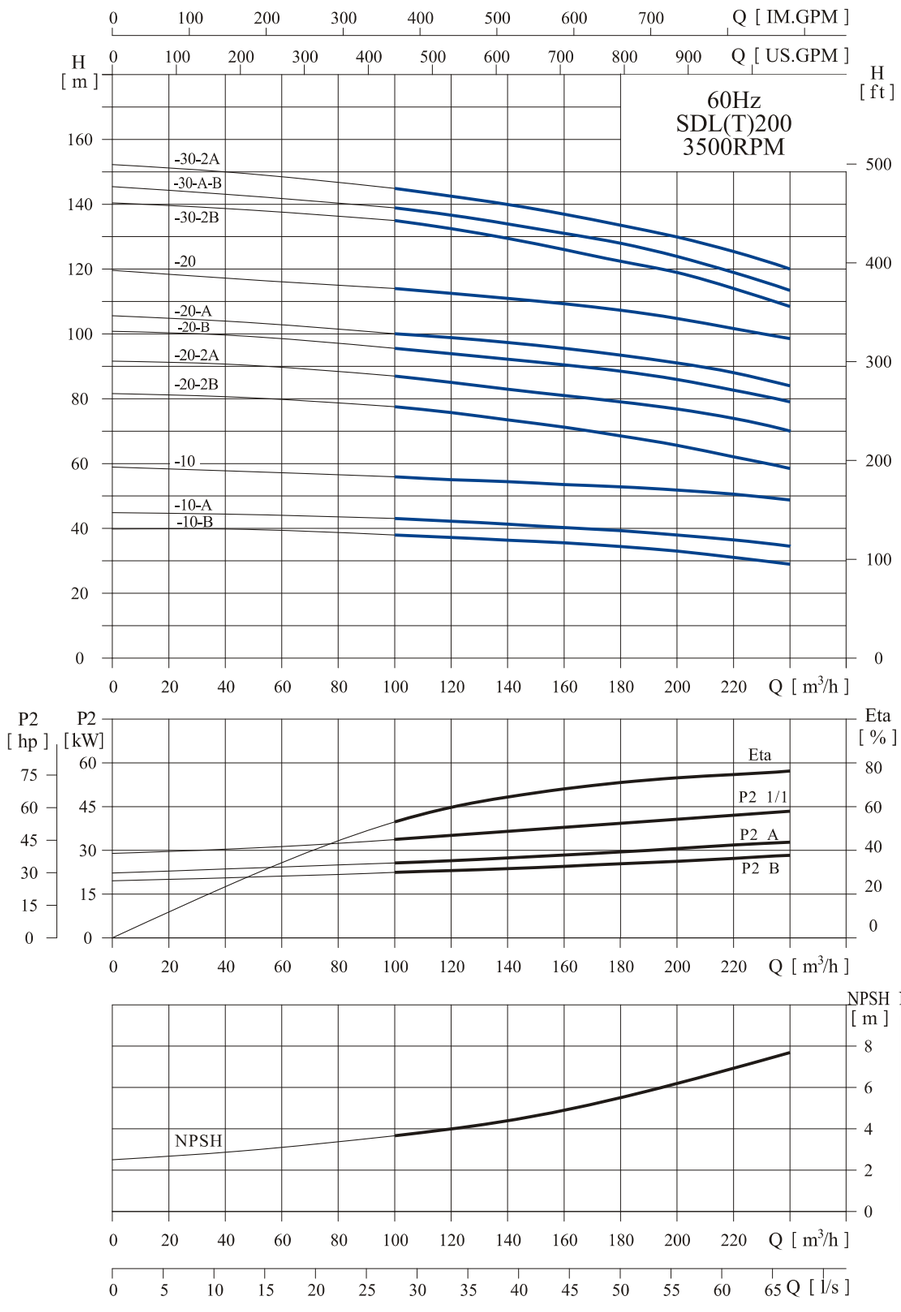
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL150-10-1	840	490	1330	330	255	235
SDL150-10	840	590	1430	360	285	280
SDL150-20-2	1000	660	1660	400	310	360
SDL150-20-1	1000	660	1660	400	310	380
SDL150-20	1000	700	1700	460	340	435
SDL150-30-2	1190	770	1960	510	370	545
SDL150-30-1	1190	845	2035	580	410	665
SDL150-30	1190	845	2035	580	410	665
SDL150-40-2	1350	845	2195	580	410	680

Performance Table

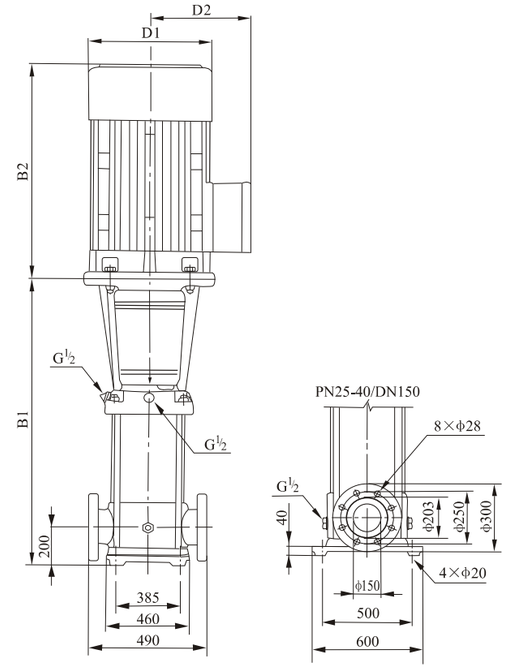
Model	Motor (kW)	Motor (hp)	Q (m³/h)	80	90	100	110	120	130	140	150	160	170	180
SDL150-10-1	15	20	H (m)	26.5	26	25.7	25	24.3	23.8	23.2	22.3	21.2	19.5	18
SDL150-10	22	30		35	34.5	34	33.6	33	32.3	31.7	30.7	29.6	28	27
SDL150-20-2	30	40		57	55.5	53	52	51.3	50	49	48	47	45	43
SDL150-20-1	37	50		67	65	63.5	62	61	60	58.5	56	55	53	51
SDL150-20	45	60		75.5	74.5	73.6	72	70.4	69	67.5	65.5	63.5	61	59
SDL150-30-2	55	75		94	92	90.5	88.4	86.4	83.8	81	80	78	75.3	72.5
SDL150-30-1	75	100		104	102.5	100	98	96	94	92	89	87	84	80
SDL150-30	75	100		114.4	113	111.3	109	106.5	104	101.5	99	96	93	89.4
SDL150-40-2	75	100		133	130.3	127.6	124.6	121.7	118.3	115	112.5	110	106.3	102.5

Size and appearance for single motor, and explosion-proof motor are different, please contact us for detail

Performance Curves



Installation Drawing



Size & Weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
SDL200-10-B	907	660	1567	400	310	403
SDL200-10-A	907	660	1567	400	310	426
SDL200-10	907	700	1607	450	345	484
SDL200-20-2B	1131	770	1901	540	370	595
SDL200-20-2A	1131	845	1976	580	410	718
SDL200-20-B	1131	845	1976	580	410	718
SDL200-20-A	1131	895	2026	580	410	787
SDL200-20	1131	895	2026	580	410	787
SDL200-30-2B	1325	1140	2465	645	550	1158
SDL200-30-A-B	1325	1140	2465	645	550	1158
SDL200-30-2A	1325	1140	2465	645	550	1158

Performance Table

Model	Motor (kW)	Motor (hp)	Q (m³/h)	100	120	140	160	180	200	220	240
SDL200-10-B	30	40	H (m)	38	37	36.5	35.5	34	33	31	29
SDL200-10-A	37	50		43	42	41.5	40	39	38	36.5	34.5
SDL200-10	45	60		56	55	54.5	53.5	53	52	50.5	48.5
SDL200-20-2B	55	75		77.5	75.5	73.5	71	68.5	66	62	58.5
SDL200-20-2A	75	100		87	85	83	81	79	77	74	70
SDL200-20-B	75	100		95.5	93.5	92.5	90.5	88.5	86	82.5	79
SDL200-20-A	90	120		100	98.5	97.5	95.5	93.5	91	88	84
SDL200-20	90	120		114	112.5	111	109.5	107.5	105	101.5	98.5
SDL200-30-2B	110	150		135	132.5	129.5	126	122.5	119	114	108.5
SDL200-30-A-B	110	150		139	136.5	134	131	128	124	119	113.5
SDL200-30-2A	110	150		145	142.5	140	137	133.5	130	125.5	120

Size and appearance for single motor, and explosion-proof motor are different, please contact us for detail