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CDL/F DRL Series Constant Pressure VFD Booster

Product Catalog 2020

Summary of Variable Speed PID Controlled Booster Equipment

General

This variable speed PID controlled booster system is a sophisticated system, composed of latest technology PID variable speed control cabinet and more than two sets of parallel pumps. It can be automatically adjusted to fulfill the requirement of constant pressure, variable flow water supply. The pressure of the water supply pipe network keeps constant, and the whole water supply system always keeps the best state of high efficiency and energy saving. There are two types of water supply, one is by frequency conversion, the other is by pressure. Water supply by frequency conversion can automatically adjust the rotating speed of one pump or start/stop pumps, which is the best way to keep the pipelines constant pressure, easy to operate.

Application

Resident water for living: such as high-rise building, resident community, villa
Public places: such as hospital, school, gymnasium, golf court, airport
Commercial building: such as hotel, office building, department store, large-scale sauna
Irrigation: such as park, amusement park, orchard, farm
Manufacturing industry: such as production manufacturing, washing device, food industry, factory.

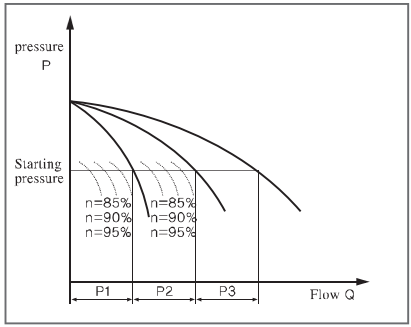
Advantages

Solve the problem of low hydraulic pressure
— The booster system keeps the water pressure stable in the whole building.
Auoid water pollution caused by roof tank
— Replace the traditional roof tank water supply way, eliminate the source of water pollution.
Reduce the construction cost and enlarge the space
— Eliminate traditional roof tank, reduce the stress for the building, structure is simple, lower cost.
Save power, less space
—Compared with common water supply equipment, it may save more than 30% electric energy. This equipment covers less floor area, its installation simpler and construction period shorter.

Characteristics of Control Mode

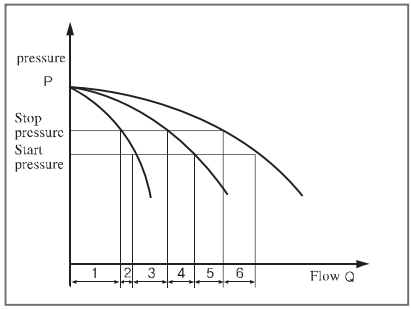
Controlled by frequency conversion	Controlled by air pressure
● Operation mode —Keep the pressure of water supply constant through the change of the rotational speed of the water pump	● Operation mode — Control the pressure by the pressure tank and pressure switch
● Characteristics —Higher cost than common equipment —Stable supply pressure —Electricity saving and low operation cost —Long life of water pump and motor —Without the phenomenon of water hammer, stable operation	● Characteristics —Lower price —Larger deviation of water supply pressure —Simple control mode and convenient maintenance —Short life of water pump and motor

Frequency conversion control



Keep the pressure of pipe network constant by adjusting the rotational speed of the water pump. When the pressure inspected at the outlet pipe of the system is smaller than the start pressure value of the water pump, it is able to automatically adjust the rotational speed of the water pump to keep the outlet pressure constant. In case the pump is operated at the rotational speed of power frequency while the pressure can't reach setting pressure, the system will start P2, P3 pump in turn; With the reduction of water consumption, the outlet pressure increases, and the rotational speed of the water pump goes down gradually. If the rotational speed of the water pump reduces to the lowest speed set by the system, the system will stop the operation of the water pump in the turn of P3, P2, P1.

Pressure control



In case the pressure of the pipe network is larger than that of start setting value, the pressure tank connected with outlet pipeline supplies water. In case the pressure of the pipe network is equal to that of start setting value, start the pump. When the pressure of the pipe network reaches stop pressure during operation, stop the operation of the water pump. After the pump starts, when the pressure of pipe network exceeds the start pressure, not reaching the stop pressure, the water pump continues operating; After the water pump is operated at full speed, when the pressure of pipe network has not reached the start pressure, the spare water pump start.

Summary of Variable Speed PID Controlled Booster Equipment

Moving-control Type Controller of Constant Pressure and Frequency Conversion (747D) was exclusively developed, first invention in the world

– World first invention: Self-developed moving-control type water supply equipment of constant pressure and frequency conversion can save 3~7% electric energy, compared with former water supply of constant pressure and frequency conversion.
– This product is especially applicable to the sites of large power, large variation of flow and frequent start. The system has high operation efficiency and obvious electricity saving effect.

1. Moving Mode of Frequency Converter Control

One set of frequency converter plays the effect of many sets of frequency converter and saves electric power. And start pump softly. The start current of spare pump is 200-300% of rating current.

Increase of water consumption	Pump1	Pump2	Pump3
0%	Operation of frequency conversion		
33%	Operation of working frequency →	Operation of frequency conversion	
66%	Operation of working frequency →	Operation of working frequency →	Operation of frequency conversion

Reduction of water consumption	Pump1	Pump2	Pump3
100%	Operation of working frequency →	Operation of working frequency →	Operation of frequency conversion
66%		Operation of working frequency →	Operation of frequency conversion
33%			Operation of frequency conversion

2. Stationary Mode of Frequency Converter Control

The frequency converter control is fixed on one pump. When the supplementary pump starts, the start current will be too large and the fluctuation of the pressure is large. The start current of the supplementary pump is 500~600% of rated current.

Increase of water consumption	Pump1	Pump2	Pump3
0%	Operation of frequency conversion		
33%	Operation of frequency conversion	Operation of working frequency ←	
66%	Operation of frequency conversion	Operation of working frequency ←	Operation of working frequency →

Reduction of water consumption	Pump1	Pump2	Pump3
100%	Operation of frequency conversion	Operation of working frequency ←	Operation of working frequency ←
66%	Operation of frequency conversion	Operation of working frequency ←	
33%	Operation of frequency conversion		

The difference between moving mode and alternate operation mode of frequency converter control

Alternate operation is the fundamental function of water supply of constant pressure and frequency conversion. After stop, when all water pumps restart, the initial started pump is operated by frequency control, and it is major pump. Alternatively starting the major pump every time or within any setting time shall prevent certain pump from starting frequently.

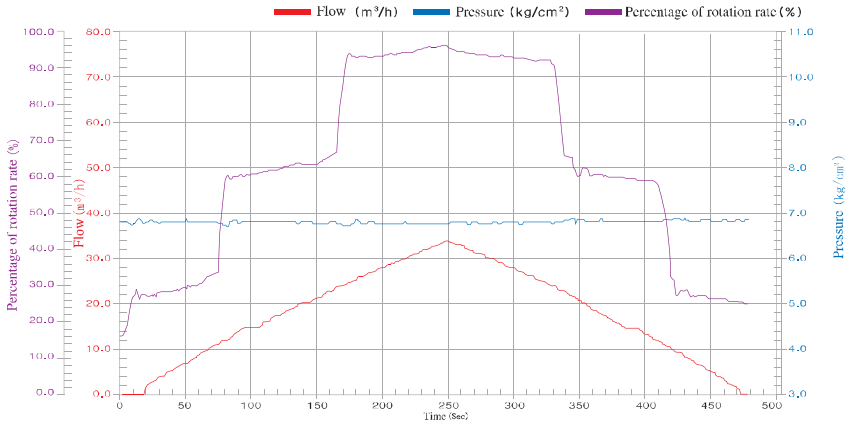
Alternate operation	Pump1	Pump2	Pump3
At the time of initial start	1 Operation of frequency conversion	2 Operation of working frequency	3 Operation of working frequency
At the time of restart	3 Operation of working frequency	1 Operation of frequency conversion	2 Operation of working frequency
At the time of restart	2 Operation of working frequency	3 Operation of working frequency	1 Operation of frequency conversion

Operation Performance Test Curve of Control System of Frequency Converter (50Hz/60Hz)

Keep constant pressure by virtue of intelligent controller under the situation of extreme change of flow. It is observed that the water supply system of frequency conversion has the best performance to supply water.

Performance Test: Vartable Speed PID Controlled Booster Equipment
Model No.: 3DRL8-60 Date: January 10, 2004
Capacity: 200LPMX68X3 sets Capacity of Pressure Tank: 100L Time: 09:56:04
Control Mode: Frequency conversion and constant pressure Start Mode: Direct Test Time: 8 minutes

Test Curve for the variable speed PID controlled booster equipment



Diaphgram Type Pressure Tank

Selection of Pressure Tank

The capacity of the pressure is selected according to the flow of pump, delivery head and start frequency.
The pressure level of the pressure tank is selected according to the system pressure.

1. Calculation of effective capacity (Vesp)

$V_{ESP} = 16.5 \times Q/n$

Q : Flow of pump (LPM)
n : Start frequency (Times/h)

Motor power (HP)	Below 5HP	7.5~10	15~30	40~75
Start frequency (Times/h)	Below 30	Below 20	Below 12	Below 8

2. Calculate the effective capacity coefficient (Z) based on the features of pump's start and stop

$$Z = \frac{Pi + 1.033}{Pf + 1.033}$$

Z (Effective flow coefficient) = the ratio of occupying coefficient of effective capacity for pressure tank under the condition of assigned start, stop pressure of pump

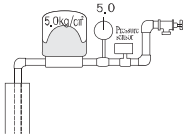
Pi (Start Pressure of Pump) = Actual head + Pipe Loss + System Required Pressure

Pf (Stop pressure of Pump) = Generally, (Pi+1.0~2.0kg/cm^2)

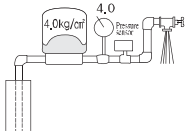
3. Calculate the capacity of pressure tank V_T from V_{ESP}

$V_T = V_{ESP}/Z$

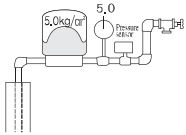
Working Principle of Pressure Tank



● At the initial operation of the pump, fill water in the pressure tank. After it reaches setting pressure with the increasing of the pressure, the water pump stops.

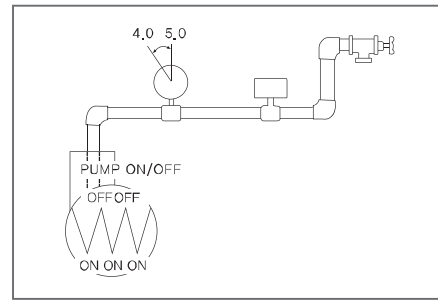


● For initial water consumption, the water is supplied by the pressure tank. With the gradual reduction of the internal pressure of the pressure tank, the water is supplied by the frequency conversion.



● When the supply volume is small or stopping water consumption, the water pump continues filling the water in the pressure tank. It will stop until it reached setting pressure.

Operational situation of the system in case of without pressure tank



Water is non-compressive fluid so the pressure will change rapidly when little water flows into or out. For the pressurization water supply, without pressure tank or small capacity, the change of water consumption volume will start the water pump frequently and result in the great increase of fault rate for pressure controller, relay, contactor, etc. and large damage and loss for the pump and motor, lowering the reliability.

Illustruction Of Variable Spee PID Controlled Booster Equipment

Variable Speed PID Controlled Booster Equipment

Main features

High quality intelligent computer control
Special purpose, self-developed, varied functions, precise control of sophisticated level, world leading standard.

Energy-saving System
The system is able to adjust the rotational speed and start/stop pumps in accordance with required water consumption volume, saving electric energy more than 30%.

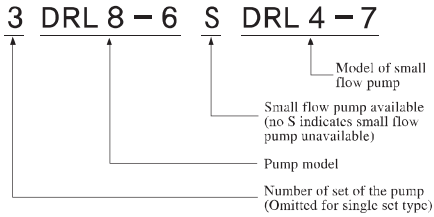
Keep Constant Pressure
In case of rapid change of water consumption volume, the outlet pressure can keep stable to provide the consumer with comfortable water supply environment.

Made of High Grade Material
Water pump, main pipelines and accessories are made of stainless steel to provide clean water quality.

Customer-centered Product Design
Standardized design may guarantee timely delivery. LCD Menu of Chinese, English, Korean version facilitates consumer's use.

Definition of Model

Example: 3 pumps including a small flow pump

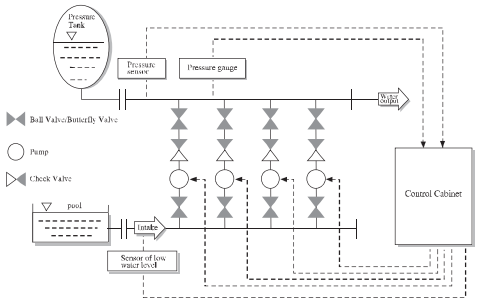


※ Note: Standard pressure of the pressure tank is 10 bars. It shall be remarked for more than 10 bars when ordering.

Operating Environment

Control Mode	Frequency Conversion
Installation Site	Indoor
Temperature Environment	+5℃~+40℃
Conveying Liquid	Clean Water
Liquid Temperature	0~70℃
Extreme Service Pressure (Suction Pressure + Head of Pump at Shut-off point)	20kg/CM^2
Minimum Suction Pressure	0.2kg/CM^2
Allowable Suction Pressure	Restricted by maximum use pressure
Pump	Vertical/Horizontal Multistage Centrifugal Pump
Combined Sets of Water Pump	2~6 Sets
Power Supply	3-phase×220/380V×50Hz
Suction Pipe/ Output Pipe	Stainless Steel Pipe

Sketch Map for Variable Speed PID Controlled Booster



Brief Introduction Of Variable Speed PID Controlled Booster Equipment

Components Map for Variable Speed PID Controlled Booster System

LCD (Chinese, English, 256*128)

PID Controller Board

Pressure sensor

Diaphragm Type Pressure Tank

All Stainless Steel Multistage Pump

Brief Introduction Of The Construction & Function Of Control Cabinet

Control Cabinet (Special for Variable Speed PID Controlled Booster System)





Main Features of Control Cabinet

Self-researched and developed sophisticated technical product (controller) by mature technology and abundant experience is applicable to moving mode of frequency converter control.
Precisely control the constancy of water supply pressure in accordance with the change of water consumption.
The menu of Chinese, English, Korean version is available. Easy to operate.
The interface of remote control is available.

Performance of Routine Product

Item	Type
Operation Mode	Automatic, manual
LCD Display	Chinese LCD
Frequency Converter	0.75～45kW（50Hz or 60Hz）
Pressure sensor	2 Lines, 4～20mA,0～25Bar
Remote Control	RS-232C/RS-485, Open of system options

※ Contact us for special requirements

Major Control Function

Major Function	Content
Moving mode of frequency converter control	Select moving mode or stationary mode of frequency converter control in the menu
LCD screen	Display various information by wide screen LCD menu
LCD Display of Chinese, English, Korean version	Simple operation
Selection of operation interface	Menu options of Chinese, English, Korean
Latest PID control	Latest high performance control system
Running pump in turn	Run or stop pump in turn
Prevent from running without water	The pump stops operation and the system gives an alarm when the inlet pipe is short of water
Run though there is failed pump	When the pump breaks down, the system will automatically start the next normal pump to operate.
Adhesion prevention	The system is capable of test run of the pump periodically to prevent the adhesion of the pump due to long-term stop.
Overcurrent of motor prevention	Prevent the current of the motor from exceeding the setting value when starting.
Overheat of motor prevention	Automatically stop the pump by the temperature switch on the motor
Abnormal high pressure prevention	Prevent abnormal rise of pressure by pressure sensor
Regular operation	Set operation time according to requirements and save energy
Self-diagnosed operation	Real-time monitoring function may diagnose various faults.
High-pressure alarm	Automatically stop the pump and give an alarm when exceeding setting pressure and time
Low-pressure alarm	Give an alarm when the working frequency of all pumps operates and cannot reach setting value.
Deviation adjustment display	Adjustable when the operation pressure of LCD differs from indicated pressure value of pressure gauge.
Record and storage of operation content	Record and store of various operation situations
Record and storage of alarm content	Display and store of various alarm contents
Emergency measure	Able to shift to manual control when the frequency conversion control fails
Alternate operation	After running some time, other pumps will replace main pump to run, which will make pump run evenly.
Combined operation in parallel connection	Maximum 6 sets of pump connected in parallel

DRL Constant Pressure VFD Booster

2 sets of Vertical Pump Booster Equipment

2DR(L) Series 50Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	2	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	4	Ball Valve /butterfly valve
6	Check valve	2	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	2	2.4	3.2	4	4.8	5.6	6.4	7
2DRL2-3	0.37	50	50/6	Head H (m)	27	26	24	22	20	18	15	12
2DRL2-4	0.55	50	50/6		36	35	33	30	26	24	20	16
2DRL2-5	0.55	50	50/6		45	43	40	37	33	30	24	20
2DRL2-6	0.75	50	50/6		53	52	50	45	40	36	30	24
2DRL2-7	0.75	50	50/6		63	61	57	52	47	41	35	28
2DRL2-9	1.1	50	50/10		80	78	73	67	61	54	45	37
2DRL2-11	1.1	50	50/10		98	95	89	82	73	64	54	44
2DRL2-13	1.5	50	50/16		116	114	106	98	89	78	65	52
2DRL2-15	1.5	50	50/16		134	130	123	112	100	90	73	60
2DRL2-18	2.2	50	50/16		161	157	148	136	121	108	91	76
2DRL2-22	2.2	50	50/25		197	192	180	165	148	130	110	90
2DRL2-26	3.0	50	50/25		232	228	214	198	179	158	130	110

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	3	4	6	8	10	12	14	16
2DRL4-3	0.55	50	50/6	Head H (m)	28	27	26	24	20	18	13	10
2DRL4-4	0.75	50	50/6		38	36	34	32	27	24	19	13
2DRL4-5	1.1	50	50/6		47	45	43	40	34	31	23	17
2DRL4-6	1.1	50	50/6		56	54	52	48	41	37	28	20
2DRL4-7	1.5	50	50/6		66	63	61	56	48	43	33	24
2DRL4-8	1.5	50	50/10		74	72	70	64	55	50	38	27
2DRL4-10	2.2	50	50/10		96	90	87	81	71	62	48	34
2DRL4-12	2.2	50	50/10		114	108	104	95	85	75	58	41
2DRL4-14	3.0	50	50/16		136	126	122	112	101	89	68	48
2DRL4-16	3.0	50	50/16		152	144	140	129	115	101	78	55
2DRL4-19	4.0	50	50/25		183	171	168	153	137	122	93	67
2DRL4-22	4.0	50	50/25		211	200	192	178	160	138	108	79

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	10	12	14	16	18	20	22	24
2DRL8-3	1.1	65	50/6	Head H (m)	30	29.5	28.5	27	25	24	21	19
2DRL8-4	1.5	65	50/6		41	39.5	38	36	34	32	28	26
2DRL8-5	2.2	65	50/6		52	50	48	45	42	40	36	32
2DRL8-6	2.2	65	50/6		62	60	57	54	51	48	43	39
2DRL8-8	3.0	65	50/10		83	80	77	73	69	65	58	52
2DRL8-10	4.0	65	50/10		104	100	97	92	87	81	73	65
2DRL8-12	4.0	65	50/16		124	120	116	111	104	92	87	78
2DRL8-14	5.5	65	50/16		145	141	136	130	122	113	102	92
2DRL8-16	5.5	65	50/16		166	161	156	148	139	130	118	106
2DRL8-18	7.5	65	50/25		187	182	175	167	157	146	134	120
2DRL8-20	7.5	65	50/25		208	202	195	186	175	163	150	135

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	14	16	18	20	22	24	26	28	30	32
2DRL12-3	2.2	80	80/6	Head H (m)	35.5	35	34	33	31.5	30	28	26	23.5	21
2DRL12-4	3.0	80	80/6		47	46	45	44	42	40	37	34	31	28
2DRL12-5	3.0	80	80/6		59.5	58	56.5	55	52.5	50	46.5	43	39	35
2DRL12-6	4.0	80	80/10		71.5	70	68	66	63	60	56	52	47	42
2DRL12-7	5.5	80	80/10		83.5	82	79.5	77	73.5	70	65.5	61	55	49
2DRL12-8	5.5	80	80/10		95.5	94	91	88	84	80	75	70	63	56
2DRL12-9	5.5	80	80/16		108	106	103	100	95.5	91	85	79	71.5	64
2DRL12-10	7.5	80	80/16		120	118	114.5	111	106	101	94.5	88	80	72
2DRL12-12	7.5	80	80/16		143.5	141	137	133	127	121	113.5	106	96	86
2DRL12-14	11	80	80/16		168	165	160	155	148	141	132.5	124	112	100
2DRL12-16	11	80	80/25		192.5	189	183.5	178	170	162	152	142	128.5	115
2DRL12-18	11	80	80/25		217	213	207.5	202	192.5	183	171.5	160	145	130

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	16	20	24	28	32	36	40	44
2DRL16-2	2.2	80	80/6	Head II (m)	27	26	25	24	22	21	19	16
2DRL16-3	3.0	80	80/6		41	40	38	37	34	32	26	25
2DRL16-4	4.0	80	80/6		54	53	52	49	46	43	38	34
2DRL16-5	5.5	80	80/6		68	67	65	62	58	54	48	43
2DRL16-6	5.5	80	80/10		82	80	78	74	70	64	58	52
2DRL16-7	7.5	80	80/10		96	95	91	87	82	76	68	61
2DRL16-8	7.5	80	80/16		110	108	104	99	94	86	77	70
2DRL16-10	11	80	80/16		138	136	131	125	118	109	97	87
2DRL16-12	11	80	80/16		166	162	157	150	141	130	116	105
2DRL16-14	15	80	80/25		194	190	184	175	166	152	136	122
2DRL16-16	15	80	80/25		222	217	210	200	189	174	156	140

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	20	24	28	32	36	40	44	48	52	56
2DRL20-2	2.2	80	80/6	Head H (m)	27	26.5	26	25	24	23	22	20	18	15
2DRL20-3	4.0	80	80/6		40	39.5	39	38	37	35	33	30	27	24
2DRL20-4	5.5	80	80/6		54	53	52	51	49	47	44	41	37	33
2DRL20-5	5.5	80	80/6		67	66	64	62	60	58	55	50	45	40
2DRL20-6	7.5	80	80/10		81	79	77	75	73	70	66	61	55	49
2DRL20-7	7.5	80	80/10		95	93	91	89	86	82	77	71	65	58
2DRL20-8	11	80	80/10		109	107	105	102	99	94	89	82	75	67
2DRL20-10	11	80	80/16		136	134	131	128	124	118	111	103	95	85
2DRL20-12	15	80	80/16		164	162	158	154	149	142	133	124	114	102
2DRL20-14	15	80	80/25		192	189	185	180	174	166	156	145	133	119
2DRL20-17	18.5	80	80/25		234	230	225	219	212	202	190	177	162	145

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	32	40	48	56	64	72	80
2DRL32-20-2	3.0	100	100/6	Head II (m)	29	28	26	23	20	16	11
2DRL32-20	4.0	100	100/6		36	34	32	29	27	23	18
2DRL32-30-2	5.5	100	100/6		47	44	41	38	33	28	21
2DRL32-30	5.5	100	100/6		54	51	48	44	40	35	27
2DRL32-40-2	7.5	100	100/6		65	62	58	53	46	40	30
2DRL32-40	7.5	100	100/6		72	69	65	59	53	47	37
2DRL32-50-2	11	100	100/10		83	79	74	68	60	52	41
2DRL32-50	11	100	100/10		90	86	81	74	67	59	47
2DRL32-60-2	11	100	100/10		101	97	90	83	74	65	51
2DRL32-60	11	100	100/10		108	104	97	90	81	72	57
2DRL32-70-2	15	100	100/10		119	114	107	98	88	78	60
2DRL32-70	15	100	100/16		126	121	113	105	95	85	67
2DRL32-80-2	15	100	100/16		136	131	123	114	102	90	71
2DRL32-80	15	100	100/16		144	138	130	120	109	97	77
2DRL32-90-2	18.5	100	100/16		154	148	140	129	117	102	82
2DRL32-90	18.5	100	100/16		162	156	147	136	124	109	88
2DRL32-100-2	18.5	100	100/16		175	166	157	146	131	115	91
2DRL32-100	18.5	100	100/16		182	173	164	152	138	122	98
2DRL32-110-2	22	100	100/16		193	184	173	164	146	128	102

2 sets of Vertical Pump Booster Equipment

2DR(L) Series 50Hz

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	32	40	48	56	64	72	80
2DRL32-110	22	100	100/16		200	191	180	168	153	135	109
2DRL32-120-2	22	100	100/25	Head	211	201	189	178	160	140	113
2DRL32-120	22	100	100/25	H	218	208	196	184	167	147	120
2DRL32-130-2	30	100	100/25	(m)	230	218	206	193	174	153	124
2DRL32-130	30	100	100/25		237	225	213	200	181	160	131
2DRL32-140-2	30	100	100/25		247	235	222	210	189	165	135
2DRL32-140	30	100	100/25		242	242	229	216	196	172	142

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	50	60	70	80	84	90	100	110
2DRL42-10	4.0	125	100/6		24	23	22	21	20	19	18	16
2DRL42-20-2	5.5	125	100/6		40	38	36	33	32	30	27	23
2DRL42-20	7.5	125	100/6		48	46	44	42	41	39	35	31
2DRL42-30-2	11	125	100/10		63	61	58	54	52	50	44	38
2DRL42-30	11	125	100/10		71	69	66	63	61	58	53	47
2DRL42-40-2	15	125	100/10		87	84	80	75	73	69	62	54
2DRL42-40	15	125	100/10		95	92	88	84	81	78	71	62
2DRL42-50-2	18.5	125	100/10		111	107	102	96	93	88	80	69
2DRL42-50	18.5	125	100/16		119	115	110	105	101	97	88	78
2DRL42-60-2	22	125	100/16	Head	135	130	124	117	113	108	97	85
2DRL42-60	22	125	100/16	H	143	138	132	125	122	116	106	93
2DRL42-70-2	30	125	100/16	(m)	158	152	146	138	134	127	115	100
2DRL42-70	30	125	100/16		166	161	154	146	142	135	124	109
2DRL42-80-2	30	125	100/16		182	175	168	159	154	146	133	116
2DRL42-80	30	125	100/25		190	184	176	167	162	154	141	124
2DRL42-90-2	30	125	100/25		205	198	190	180	174	166	150	132
2DRL42-90	37	125	100/25		214	207	198	188	183	174	159	140
2DRL42-100-2	37	125	100/25		230	221	212	200	194	185	168	147
2DRL42-100	37	125	100/25		238	230	220	209	203	193	117	155
2DRL42-110-2	45	125	100/25		255	246	236	223	217	206	188	165
2DRL42-110	45	125	100/25		263	255	244	232	225	214	196	173
2DRL42-120-2	45	125	100/25		280	270	259	245	238	226	206	181
2DRL42-120	45	125	100/25		289	280	268	255	247	236	216	190
2DRL42-130-2	45	125	100/30		305	294	282	267	259	247	225	198

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	60	80	100	120	130	140	160
2DRL65-10	5.5	150	100/6		27	25	23	21	20	18	15
2DRL65-20-2	7.5	150	100/6		39	36	33	29	26	23	17
2DRL65-20-1	11	150	100/6		46	44	40	36	33	30	24
2DRL65-20	11	150	100/6		53	51	47	43	40	37	30
2DRL65-30-2	15	150	100/6		66	62	56	50	46	41	32
2DRL65-30-1	15	150	100/6		73	69	63	57	53	48	39
2DRL65-30	18.5	150	100/10		80	76	70	64	60	55	46
2DRL65-40-2	18.5	150	100/10		92	87	80	71	66	60	47
2DRL65-40-1	22	150	100/10	Head	100	91	87	78	73	67	54
2DRL65-40	22	150	100/10	H	107	101	94	85	80	74	61
2DRL65-50-2	30	150	100/10	(m)	121	114	105	95	88	80	64
2DRL65-50-1	30	150	100/16		128	121	112	102	95	87	71
2DRL65-50	30	150	100/16		136	129	119	109	102	94	78
2DRL65-60-2	30	150	100/16		150	142	131	118	110	101	81
2DRL65-60-1	37	150	100/16		157	149	138	125	117	108	88
2DRL65-60	37	150	100/16		164	156	145	132	124	115	95
2DRL65-70-2	37	150	100/16		179	169	156	141	132	121	99
2DRL65-70-1	37	150	100/25		186	176	163	148	139	128	106
2DRL65-70	45	150	100/25		193	183	170	155	146	135	112
2DRL65-80-2	45	150	100/25		207	196	182	164	154	142	116
2DRL65-80-1	45	150	100/25		215	203	189	171	161	149	123

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	100	120	140	160	170	180	200	220
2DRL85-10	7.5	150	100/6		25	24	22	21	20	19	16	12
2DRL85-20-2	11	150	100/6		41	39	36	32	30	28	22	15
2DRL85-20	15	150	100/6		53	50	47	44	41	40	36	30
2DRL85-30-2	18.5	150	100/6		68	65	60	55	52	49	41	32
2DRL85-30	22	150	100/10	Head	81	77	72	67	64	62	55	48
2DRL85-40-2	30	150	100/10	H	98	93	87	80	75	72	62	50
2DRL85-40	30	150	100/10	(m)	110	105	100	92	86	84	76	66
2DRL85-50-2	37	150	100/16		126	120	113	104	98	93	81	68
2DRL85-50	37	150	100/16		139	131	124	115	110	106	94	83
2DRL85-60-2	45	150	100/16		155	148	139	129	122	117	102	86
2DRL85-60	45	150	100/16		168	160	150	141	134	130	117	103

DRL Constant Pressure VFD Booster

3 sets of Vertical Pump Booster Equipment

3DR(L) Series 50Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	3	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	6	Ball Valve /butterfly valve
6	Check valve	3	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	3	3.6	4.8	6	7.2	8.4	9.6	10.5
3DRL2-3	0.37	50	50/6	Head H (m)	27	26	24	22	20	18	15	12
3DRL2-4	0.55	50	50/6		36	35	33	30	26	24	20	16
3DRL2-5	0.55	50	50/6		45	43	40	37	33	30	24	20
3DRL2-6	0.75	50	50/6		53	52	50	45	40	36	30	24
3DRL2-7	0.75	50	50/6		63	61	57	52	47	41	35	28
3DRL2-9	1.1	50	50/10		80	78	73	67	61	54	45	37
3DRL2-11	1.1	50	50/10		98	95	89	82	73	64	54	44
3DRL2-13	1.5	50	50/16		116	114	106	98	89	78	65	52
3DRL2-15	1.5	50	50/16		134	130	123	112	100	90	73	60
3DRL2-18	2.2	50	50/16		161	157	148	136	121	108	91	76
3DRL2-22	2.2	50	50/25		197	192	180	165	148	130	110	90
3DRL2-26	3.0	50	50/25		232	228	214	198	179	158	130	110

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	4.5	6	9	12	15	18	21	24
3DRL4-3	0.55	65	50/6	Head H (m)	28	27	26	24	20	18	13	10
3DRL4-4	0.75	65	50/6		38	36	34	32	27	24	19	13
3DRL4-5	1.1	65	50/6		47	45	43	40	34	31	23	17
3DRL4-6	1.1	65	50/6		56	54	52	48	41	37	28	20
3DRL4-7	1.5	65	50/6		66	63	61	56	48	43	33	24
3DRL4-8	1.5	65	50/10		74	72	70	64	55	50	38	27
3DRL4-10	2.2	65	50/10		96	90	87	81	71	62	48	34
3DRL4-12	2.2	65	50/10		114	108	104	95	85	75	58	41
3DRL4-14	3.0	65	50/16		136	126	122	112	101	89	68	48
3DRL4-16	3.0	65	50/16		152	144	140	129	115	101	78	55
3DRL4-19	4.0	65	50/25		183	171	168	153	137	122	93	67
3DRL4-22	4.0	65	50/25		211	200	192	178	160	138	108	79

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L/Bar)	Flow (m^3/h)	15	18	21	24	27	30	33	36
3DRL8-3	1.1	80	80/6	Head H (m)	30	29.5	28.5	27	25	24	21	19
3DRL8-4	1.5	80	80/6		41	39.5	38	36	34	32	28	26
3DRL8-5	2.2	80	80/6		52	50	48	45	42	40	36	32
3DRL8-6	2.2	80	80/6		62	60	57	54	51	48	43	39
3DRL8-8	3.0	80	80/10		83	80	77	73	69	65	58	52
3DRL8-10	4.0	80	80/10		104	100	97	92	87	81	73	65
3DRL8-12	4.0	80	80/16		124	120	116	111	104	92	87	78
3DRL8-14	5.5	80	80/16		145	141	136	130	122	113	102	92
3DRL8-16	5.5	80	80/16		166	161	156	148	139	130	118	106
3DRL8-18	7.5	80	80/25		187	182	175	167	157	146	134	120
3DRL8-20	7.5	80	80/25		208	202	195	186	175	163	150	135

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	21	24	27	30	33	36	39	42	45	48
3DRL12-3	2.2	100	100/6	Head H (m)	35.5	35	34	33	31.5	30	28	26	23.5	21
3DRL12-4	3.0	100	100/6		47	46	45	44	42	40	37	34	31	28
3DRL12-5	3.0	100	100/6		59.5	58	56.5	55	52.5	50	46.5	43	39	35
3DRL12-6	4.0	100	100/10		71.5	70	68	66	63	60	56	52	47	42
3DRL12-7	5.5	100	100/10		83.5	82	79.5	77	73.5	70	65.5	61	55	49
3DRL12-8	5.5	100	100/10		95.5	94	91	88	84	80	75	70	63	56
3DRL12-9	5.5	100	100/16		108	106	103	100	95.5	91	85	79	71.5	64
3DRL12-10	7.5	100	100/16		120	118	114.5	111	106	101	94.5	88	80	72
3DRL12-12	7.5	100	100/16		143.5	141	137	133	127	121	113.5	106	96	86
3DRL12-14	11	100	100/16		168	165	160	155	148	141	132.5	124	112	100
3DRL12-16	11	100	100/25		192.5	189	183.5	178	170	162	152	142	128.5	115
3DRL12-18	11	100	100/25		217	213	207.5	202	192.5	183	171.5	160	145	130

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	24	30	36	42	48	54	60	66
3DRL16-2	2.2	100	100/6	Head H (m)	27	26	25	24	22	21	19	16
3DRL16-3	3.0	100	100/6		41	40	38	37	34	32	26	25
3DRL16-4	4.0	100	100/6		54	53	52	49	46	43	38	34
3DRL16-5	5.5	100	100/6		68	67	65	62	58	54	48	43
3DRL16-6	5.5	100	100/10		82	80	78	74	70	64	58	52
3DRL16-7	7.5	100	100/10		96	95	91	87	82	76	68	61
3DRL16-8	7.5	100	100/16		110	108	104	99	94	86	77	70
3DRL16-10	11	100	100/16		138	136	131	125	118	109	97	87
3DRL16-12	11	100	100/16		166	162	157	150	141	130	116	105
3DRL16-14	15	100	100/25		194	190	184	175	166	152	136	122
3DRL16-16	15	100	100/25		222	217	210	200	189	174	156	140

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	30	36	42	48	54	60	66	72	78	84
3DRL20-2	2.2	100	100/6	Head H (m)	27	26.5	26	25	24	23	22	20	18	15
3DRL20-3	4.0	100	100/6		40	39.5	39	38	37	35	33	30	27	24
3DRL20-4	5.5	100	100/6		54	53	52	51	49	47	44	41	37	33
3DRL20-5	5.5	100	100/6		67	66	64	62	60	58	55	50	45	40
3DRL20-6	7.5	100	100/10		81	79	77	75	73	70	66	61	55	49
3DRL20-7	7.5	100	100/10		95	93	91	89	86	82	77	71	65	58
3DRL20-8	11	100	100/10		109	107	105	102	99	94	89	82	75	67
3DRL20-10	11	100	100/16		136	134	131	128	124	118	111	103	95	85
3DRL20-12	15	100	100/16		164	162	158	154	149	142	133	124	114	102
3DRL20-14	15	100	100/25		192	189	185	180	174	166	156	145	133	119
3DRL20-17	18.5	100	100/25		234	230	225	219	212	202	190	177	162	145

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	48	60	72	84	96	108	120
3DRL32-20-2	3.0	125	100/6	Head H (m)	29	28	26	23	20	16	11
3DRL32-20	4.0	125	100/6		36	34	32	29	27	23	18
3DRL32-30-2	5.5	125	100/6		47	44	41	38	33	28	21
3DRL32-30	5.5	125	100/6		54	51	48	44	40	35	27
3DRL32-40-2	7.5	125	100/6		65	62	58	53	46	40	30
3DRL32-40	7.5	125	100/6		72	69	65	59	53	47	37
3DRL32-50-2	11	125	100/10		83	79	74	68	60	52	41
3DRL32-50	11	125	100/10		90	86	81	74	67	59	47
3DRL32-60-2	11	125	100/10		101	97	90	83	74	65	51
3DRL32-60	11	125	100/10		108	104	97	90	81	72	57
3DRL32-70-2	15	125	100/10		119	114	107	98	88	78	60
3DRL32-70	15	125	100/16		126	121	113	105	95	85	67
3DRL32-80-2	15	125	100/16		136	131	123	114	102	90	71
3DRL32-80	15	125	100/16		144	138	130	120	109	97	77
3DRL32-90-2	18.5	125	100/16		154	148	140	129	117	102	82
3DRL32-90	18.5	125	100/16		162	156	147	136	124	109	88
3DRL32-100-2	18.5	125	100/16		175	166	157	146	131	115	91
3DRL32-100	18.5	125	100/16		182	173	164	152	138	122	98
3DRL32-110-2	22	125	100/16		193	184	173	164	146	128	102

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	48	60	72	84	96	108	120
3DRL32-110	22	125	100/16	Head H (m)	200	191	180	168	153	135	109
3DRL32-120-2	22	125	100/25		211	201	189	178	160	140	113
3DRL32-120	22	125	100/25		218	208	196	184	167	147	120
3DRL32-130-2	30	125	100/25		230	218	206	193	174	153	124
3DRL32-130	30	125	100/25		237	225	213	200	181	160	131
3DRL32-140-2	30	125	100/25		247	235	222	210	189	165	135
3DRL32-140	30	125	100/25		242	242	229	216	196	172	142

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	75	90	105	120	126	135	150	165
3DRL42-10	4.0	150	200/6	Head H (m)	24	23	22	21	20	19	18	16
3DRL42-20-2	5.5	150	200/6		40	38	36	33	32	30	27	23
3DRL42-20	7.5	150	200/6		48	46	44	42	41	39	35	31
3DRL42-30-2	11	150	200/10		63	61	58	54	52	50	44	38
3DRL42-30	11	150	200/10		71	69	66	63	61	58	53	47
3DRL42-40-2	15	150	200/10		87	84	80	75	73	69	62	54
3DRL42-40	15	150	200/10		95	92	88	84	81	78	71	62
3DRL42-50-2	18.5	150	200/10		111	107	102	96	93	88	80	69
3DRL42-50	18.5	150	200/16		119	115	110	105	101	97	88	78
3DRL42-60-2	22	150	200/16		135	130	124	117	113	108	97	85
3DRL42-60	22	150	200/16		143	138	132	125	122	116	106	93
3DRL42-70-2	30	150	200/16		158	152	146	138	134	127	115	100
3DRL42-70	30	150	200/16		166	161	154	146	142	135	124	109
3DRL42-80-2	30	150	200/16		182	175	168	159	154	146	133	116
3DRL42-80	30	150	200/25		190	184	176	167	162	154	141	124
3DRL42-90-2	30	150	200/25		205	198	190	180	174	166	150	132
3DRL42-90	37	150	200/25		214	207	198	188	183	174	159	140
3DRL42-100-2	37	150	200/25		230	221	212	200	194	185	168	147
3DRL42-100	37	150	200/25		238	230	220	209	203	193	117	155
3DRL42-110-2	45	150	200/25		255	246	236	223	217	206	188	165
3DRL42-110	45	150	200/25		263	255	244	232	225	214	196	173
3DRL42-120-2	45	150	200/25		280	270	259	245	238	226	206	181
3DRL42-120	45	150	200/25		289	280	268	255	247	236	216	190
3DRL42-130-2	45	150	200/30		305	294	282	267	259	247	225	198

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	90	120	150	180	195	210	240
3DRL65-10	5.5	200	200/6	Head H (m)	27	25	23	21	20	18	15
3DRL65-20-2	7.5	200	200/6		39	36	33	29	26	23	17
3DRL65-20-1	11	200	200/6		46	44	40	36	33	30	24
3DRL65-20	11	200	200/6		53	51	47	43	40	37	30
3DRL65-30-2	15	200	200/6		66	62	56	50	46	41	32
3DRL65-30-1	15	200	200/6		73	69	63	57	53	48	39
3DRL65-30	18.5	200	200/10		80	76	70	64	60	55	46
3DRL65-40-2	18.5	200	200/10		92	87	80	71	66	60	47
3DRL65-40-1	22	200	200/10		100	91	87	78	73	67	54
3DRL65-40	22	200	200/10		107	101	94	85	80	74	61
3DRL65-50-2	30	200	200/10		121	114	105	95	88	80	64
3DRL65-50-1	30	200	200/16		128	121	112	102	95	87	71
3DRL65-50	30	200	200/16		136	129	119	109	102	94	78
3DRL65-60-2	30	200	200/16		150	142	131	118	110	101	81
3DRL65-60-1	37	200	200/16		157	149	138	125	117	108	88
3DRL65-60	37	200	200/16		164	156	145	132	124	115	95
3DRL65-70-2	37	200	200/16		179	169	156	141	132	121	99
3DRL65-70-1	37	200	200/25		186	176	163	148	139	128	106
3DRL65-70	45	200	200/25		193	183	170	155	146	135	112
3DRL65-80-2	45	200	200/25		207	196	182	164	154	142	116
3DRL65-80-1	45	200	200/25		215	203	189	171	161	149	123

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	150	180	210	240	255	270	300	330
3DRL85-10	7.5	200	200/6	Head II (m)	25	24	22	21	20	19	16	12
3DRL85-20-2	11	200	200/6		41	39	36	32	30	28	22	15
3DRL85-20	15	200	200/6		53	50	47	44	41	40	36	30
3DRL85-30-2	18.5	200	200/6		68	65	60	55	52	49	41	32
3DRL85-30	22	200	200/10		81	77	72	67	64	62	55	48
3DRL85-40-2	30	200	200/10		98	93	87	80	75	72	62	50
3DRL85-40	30	200	200/10		110	105	100	92	86	84	76	66
3DRL85-50-2	37	200	200/16		126	120	113	104	98	93	81	68
3DRL85-50	37	200	200/16		139	131	124	115	110	106	94	83
3DRL85-60-2	45	200	200/16		155	148	139	129	122	117	102	86
3DRL85-60	45	200	200/16		168	160	150	141	134	130	117	103

DRL Constant Pressure VFD Booster

4 sets of Vertical Pump Booster Equipment

4DR(L) Series 50Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	4	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	8	Ball Valve /butterfly valve
6	Check valve	4	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	4	4.8	6.4	8	9.6	11.2	12.8	14
4DRL2-3	0.37	50	50/6	Head H (m)	27	26	24	22	20	18	15	12
4DRL2-4	0.55	50	50/6		36	35	33	30	26	24	20	16
4DRL2-5	0.55	50	50/6		45	43	40	37	33	30	24	20
4DRL2-6	0.75	50	50/6		53	52	50	45	40	36	30	24
4DRL2-7	0.75	50	50/6		63	61	57	52	47	41	35	28
4DRL2-9	1.1	50	50/10		80	78	73	67	61	54	45	37
4DRL2-11	1.1	50	50/10		98	95	89	82	73	64	54	44
4DRL2-13	1.5	50	50/16		116	114	106	98	89	78	65	52
4DRL2-15	1.5	50	50/16		134	130	123	112	100	90	73	60
4DRL2-18	2.2	50	50/16		161	157	148	136	121	108	91	76
4DRL2-22	2.2	50	50/25		197	192	180	165	148	130	110	90
4DRL2-26	3.0	50	50/25		232	228	214	198	179	158	130	110

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	6	8	12	16	20	24	28	32
4DRL4-3	0.55	80	50/6	Head H (m)	28	27	26	24	20	18	13	10
4DRL4-4	0.75	80	50/6		38	36	34	32	27	24	19	13
4DRL4-5	1.1	80	50/6		47	45	43	40	34	31	23	17
4DRL4-6	1.1	80	50/6		56	54	52	48	41	37	28	20
4DRL4-7	1.5	80	50/6		66	63	61	56	48	43	33	24
4DRL4-8	1.5	80	50/10		74	72	70	64	55	50	38	27
4DRL4-10	2.2	80	50/10		96	90	87	81	71	62	48	34
4DRL4-12	2.2	80	50/10		114	108	104	95	85	75	58	41
4DRL4-14	3.0	80	50/16		136	126	122	112	101	89	68	48
4DRL4-16	3.0	80	50/16		152	144	140	129	115	101	78	55
4DRL4-19	4.0	80	50/25		183	171	168	153	137	122	93	67
4DRL4-22	4.0	80	50/25		211	200	192	178	160	138	108	79

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	20	24	28	32	36	40	44	48
4DRL8-3	1.1	100	100/6	Head H (m)	30	29.5	28.5	27	25	24	21	19
4DRL8-4	1.5	100	100/6		41	39.5	38	36	34	32	28	26
4DRL8-5	2.2	100	100/6		52	50	48	45	42	40	36	32
4DRL8-6	2.2	100	100/6		62	60	57	54	51	48	43	39
4DRL8-8	3.0	100	100/10		83	80	77	73	69	65	58	52
4DRL8-10	4.0	100	100/10		104	100	97	92	87	81	73	65
4DRL8-12	4.0	100	100/16		124	120	116	111	104	92	87	78
4DRL8-14	5.5	100	100/16		145	141	136	130	122	113	102	92
4DRL8-16	5.5	100	100/16		166	161	156	148	139	130	118	106
4DRL8-18	7.5	100	100/25		187	182	175	167	157	146	134	120
4DRL8-20	7.5	100	100/25		208	202	195	186	175	163	150	135

4DR(L) Series 50Hz 4 sets of Vertical Pump Booster Equipment

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	28	32	36	40	44	48	52	56	60	64
4DRL12-3	2.2	125	100/6	Head H (m)	35.5	35	34	33	31.5	30	28	26	23.5	21
4DRL12-4	3.0	125	100/6		47	46	45	44	42	40	37	34	31	28
4DRL12-5	3.0	125	100/6		59.5	58	56.5	55	52.5	50	46.5	43	39	35
4DRL12-6	4.0	125	100/10		71.5	70	68	66	63	60	56	52	47	42
4DRL12-7	5.5	125	100/10		83.5	82	79.5	77	73.5	70	65.5	61	55	49
4DRL12-8	5.5	125	100/10		95.5	94	91	88	84	80	75	70	63	56
4DRL12-9	5.5	125	100/16		108	106	103	100	95.5	91	85	79	71.5	64
4DRL12-10	7.5	125	100/16		120	118	114.5	111	106	101	94.5	88	80	72
4DRL12-12	7.5	125	100/16		143.5	141	137	133	127	121	113.5	106	96	86
4DRL12-14	11	125	100/16		168	165	160	155	148	141	132.5	124	112	100
4DRL12-16	11	125	100/25		192.5	189	183.5	178	170	162	152	142	128.5	115
4DRL12-18	11	125	100/25		217	213	207.5	202	192.5	183	171.5	160	145	130

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	32	40	48	56	64	72	80	88
4DRL16-2	2.2	125	100/6	Head H (m)	27	26	25	24	22	21	19	16
4DRL16-3	3.0	125	100/6		41	40	38	37	34	32	26	25
4DRL16-4	4.0	125	100/6		54	53	52	49	46	43	38	34
4DRL16-5	5.5	125	100/6		68	67	65	62	58	54	48	43
4DRL16-6	5.5	125	100/10		82	80	78	74	70	64	58	52
4DRL16-7	7.5	125	100/10		96	95	91	87	82	76	68	61
4DRL16-8	7.5	125	100/16		110	108	104	99	94	86	77	70
4DRL16-10	11	125	100/16		138	136	131	125	118	109	97	87
4DRL16-12	11	125	100/16		166	162	157	150	141	130	116	105
4DRL16-14	15	125	100/25		194	190	184	175	166	152	136	122
4DRL16-16	15	125	100/25		222	217	210	200	189	174	156	140

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	40	48	56	64	72	80	88	96	104	84
4DRL20-2	2.2	125	100/6	Head H (m)	27	26.5	26	25	24	23	22	20	18	15
4DRL20-3	4.0	125	100/6		40	39.5	39	38	37	35	33	30	27	24
4DRL20-4	5.5	125	100/6		54	53	52	51	49	47	44	41	37	33
4DRL20-5	5.5	125	100/6		67	66	64	62	60	58	55	50	45	40
4DRL20-6	7.5	125	100/10		81	79	77	75	73	70	66	61	55	49
4DRL20-7	7.5	125	100/10		95	93	91	89	86	82	77	71	65	58
4DRL20-8	11	125	100/10		109	107	105	102	99	94	89	82	75	67
4DRL20-10	11	125	100/16		136	134	131	128	124	118	111	103	95	85
4DRL20-12	15	125	100/16		164	162	158	154	149	142	133	124	114	102
4DRL20-14	15	125	100/25		192	189	185	180	174	166	156	145	133	119
4DRL20-17	18.5	125	100/25		234	230	225	219	212	202	190	177	162	145

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	64	80	96	112	128	144	160
4DRL32-20-2	3.0	150	200/6	Head H (m)	29	28	26	23	20	16	11
4DRL32-20	4.0	150	200/6		36	34	32	29	27	23	18
4DRL32-30-2	5.5	150	200/6		47	44	41	38	33	28	21
4DRL32-30	5.5	150	200/6		54	51	48	44	40	35	27
4DRL32-40-2	7.5	150	200/6		65	62	58	53	46	40	30
4DRL32-40	7.5	150	200/6		72	69	65	59	53	47	37
4DRL32-50-2	11	150	200/10		83	79	74	68	60	52	41
4DRL32-50	11	150	200/10		90	86	81	74	67	59	47
4DRL32-60-2	11	150	200/10		101	97	90	83	74	65	51
4DRL32-60	11	150	200/10		108	104	97	90	81	72	57
4DRL32-70-2	15	150	200/10		119	114	107	98	88	78	60
4DRL32-70	15	150	200/16		126	121	113	105	95	85	67
4DRL32-80-2	15	150	200/16		136	131	123	114	102	90	71
4DRL32-80	15	150	200/16		144	138	130	120	109	97	77
4DRL32-90-2	18.5	150	200/16		154	148	140	129	117	102	82
4DRL32-90	18.5	150	200/16		162	156	147	136	124	109	88
4DRL32-100-2	18.5	150	200/16		175	166	157	146	131	115	91
4DRL32-100	18.5	150	200/16		182	173	164	152	138	122	98
4DRL32-110-2	22	150	200/16		193	184	173	164	146	128	102

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	64	80	96	112	128	144	160
4DRL32-110	22	150	200/16	Head H (m)	200	191	180	168	153	135	109
4DRL32-120-2	22	150	200/25		211	201	189	178	160	140	113
4DRL32-120	22	150	200/25		218	208	196	184	167	147	120
4DRL32-130-2	30	150	200/25		230	218	206	193	174	153	124
4DRL32-130	30	150	200/25		237	225	213	200	181	160	131
4DRL32-140-2	30	150	200/25		247	235	222	210	189	165	135
4DRL32-140	30	150	200/25		242	242	229	216	196	172	142

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	100	120	140	160	168	180	200	220
4DRL42-10	4.0	150	200/6	Head H (m)	24	23	22	21	20	19	18	16
4DRL42-20-2	5.5	150	200/6		40	38	36	33	32	30	27	23
4DRL42-20	7.5	150	200/6		48	46	44	42	41	39	35	31
4DRL42-30-2	11	150	200/10		63	61	58	54	52	50	44	38
4DRL42-30	11	150	200/10		71	69	66	63	61	58	53	47
4DRL42-40-2	15	150	200/10		87	84	80	75	73	69	62	54
4DRL42-40	15	150	200/10		95	92	88	84	81	78	71	62
4DRL42-50-2	18.5	150	200/10		111	107	102	96	93	88	80	69
4DRL42-50	18.5	150	200/16		119	115	110	105	101	97	88	78
4DRL42-60-2	22	150	200/16		135	130	124	117	113	108	97	85
4DRL42-60	22	150	200/16		143	138	132	125	122	116	106	93
4DRL42-70-2	30	150	200/16		158	152	146	138	134	127	115	100
4DRL42-70	30	150	200/16		166	161	154	146	142	135	124	109
4DRL42-80-2	30	150	200/16		182	175	168	159	154	146	133	116
4DRL42-80	30	150	200/25		190	184	176	167	162	154	141	124
4DRL42-90-2	30	150	200/25		205	198	190	180	174	166	150	132
4DRL42-90	37	150	200/25		214	207	198	188	183	174	159	140
4DRL42-100-2	37	150	200/25		230	221	212	200	194	185	168	147
4DRL42-100	37	150	200/25		238	230	220	209	203	193	117	155
4DRL42-110-2	45	150	200/25		255	246	236	223	217	206	188	165
4DRL42-110	45	150	200/25		263	255	244	232	225	214	196	173
4DRL42-120-2	45	150	200/25		280	270	259	245	238	226	206	181
4DRL42-120	45	150	200/25		289	280	268	255	247	236	216	190
4DRL42-130-2	45	150	200/30		305	294	282	267	259	247	225	198

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	120	160	200	240	260	280	320
4DRL65-10	5.5	200	200/6	Head II (m)	27	25	23	21	20	18	15
4DRL65-20-2	7.5	200	200/6		39	36	33	29	26	23	17
4DRL65-20-1	11	200	200/6		46	44	40	36	33	30	24
4DRL65-20	11	200	200/6		53	51	47	43	40	37	30
4DRL65-30-2	15	200	200/6		66	62	56	50	46	41	32
4DRL65-30-1	15	200	200/6		73	69	63	57	53	48	39
4DRL65-30	18.5	200	200/10		80	76	70	64	60	55	46
4DRL65-40-2	18.5	200	200/10		92	87	80	71	66	60	47
4DRL65-40-1	22	200	200/10		100	91	87	78	73	67	54
4DRL65-40	22	200	200/10		107	101	94	85	80	74	61
4DRL65-50-2	30	200	200/10		121	114	105	95	88	80	64
4DRL65-50-1	30	200	200/16		128	121	112	102	95	87	71
4DRL65-50	30	200	200/16		136	129	119	109	102	94	78
4DRL65-60-2	30	200	200/16		150	142	131	118	110	101	81
4DRL65-60-1	37	200	200/16		157	149	138	125	117	108	88
4DRL65-60	37	200	200/16		164	156	145	132	124	115	95
4DRL65-70-2	37	200	200/16		179	169	156	141	132	121	99
4DRL65-70-1	37	200	200/25		186	176	163	148	139	128	106
4DRL65-70	45	200	200/25		193	183	170	155	146	135	112
4DRL65-80-2	45	200	200/25		207	196	182	164	154	142	116
4DRL65-80-1	45	200	200/25		215	203	189	171	161	149	123

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	200	240	280	320	340	360	400	440
4DRL85-10	7.5	200	200/6	Head H (m)	25	24	22	21	20	19	16	12
4DRL85-20-2	11	200	200/6		41	39	36	32	30	28	22	15
4DRL85-20	15	200	200/6		53	50	47	44	41	40	36	30
4DRL85-30-2	18.5	200	200/6		68	65	60	55	52	49	41	32
4DRL85-30	22	200	200/10		81	77	72	67	64	62	55	48
4DRL85-40-2	30	200	200/10		98	93	87	80	75	72	62	50
4DRL85-40	30	200	200/10		110	105	100	92	86	84	76	66
4DRL85-50-2	37	200	200/16		126	120	113	104	98	93	81	68
4DRL85-50	37	200	200/16		139	131	124	115	110	106	94	83
4DRL85-60-2	45	200	200/16		155	148	139	129	122	117	102	86
4DRL85-60	45	200	200/16		168	160	150	141	134	130	117	103

DRL Constant Pressure VFD Booster

5 sets of Vertical Pump Booster Equipment

5DR(L) Series 50Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	5	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	10	Ball Valve /butterfly valve
6	Check valve	5	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	25	30	35	40	45	50	55	60
5DRL8-3	1.1	100	100/6	Head H (m)	30	29.5	28.5	27	25	24	21	19
5DRL8-4	1.5	100	100/6		41	39.5	38	36	34	32	28	26
5DRL8-5	2.2	100	100/6		52	50	48	45	42	40	36	32
5DRL8-6	2.2	100	100/6		62	60	57	54	51	48	43	39
5DRL8-8	3.0	100	100/10		83	80	77	73	69	65	58	52
5DRL8-10	4.0	100	100/10		104	100	97	92	87	81	73	65
5DRL8-12	4.0	100	100/16		124	120	116	111	104	92	87	78
5DRL8-14	5.5	100	100/16		145	141	136	130	122	113	102	92
5DRL8-16	5.5	100	100/16		166	161	156	148	139	130	118	106
5DRL8-18	7.5	100	100/25		187	182	175	167	157	146	134	120
5DRL8-20	7.5	100	100/25		208	202	195	186	175	163	150	135

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	35	40	45	50	55	60	65	70	75	80
5DRL12-3	2.2	125	100/6	Head H (m)	35.5	35	34	33	31.5	30	28	26	23.5	21
5DRL12-4	3.0	125	100/6		47	46	45	44	42	40	37	34	31	28
5DRL12-5	3.0	125	100/6		59.5	58	56.5	55	52.5	50	46.5	43	39	35
5DRL12-6	4.0	125	100/10		71.5	70	68	66	63	60	56	52	47	42
5DRL12-7	5.5	125	100/10		83.5	82	79.5	77	73.5	70	65.5	61	55	49
5DRL12-8	5.5	125	100/10		95.5	94	91	88	84	80	75	70	63	56
5DRL12-9	5.5	125	100/16		108	106	103	100	95.5	91	85	79	71.5	64
5DRL12-10	7.5	125	100/16		120	118	114.5	111	106	101	94.5	88	80	72
5DRL12-12	7.5	125	100/16		143.5	141	137	133	127	121	113.5	106	96	86
5DRL12-14	11	125	100/16		168	165	160	155	148	141	132.5	124	112	100
5DRL12-16	11	125	100/25		192.5	189	183.5	178	170	162	152	142	128.5	115
5DRL12-18	11	125	100/25		217	213	207.5	202	192.5	183	171.5	160	145	130

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	40	50	60	70	80	90	100	110
5DRL16-2	2.2	125	100/6	Head II (m)	27	26	25	24	22	21	19	16
5DRL16-3	3.0	125	100/6		41	40	38	37	34	32	26	25
5DRL16-4	4.0	125	100/6		54	53	52	49	46	43	38	34
5DRL16-5	5.5	125	100/6		68	67	65	62	58	54	48	43
5DRL16-6	5.5	125	100/10		82	80	78	74	70	64	58	52
5DRL16-7	7.5	125	100/10		96	95	91	87	82	76	68	61
5DRL16-8	7.5	125	100/16		110	108	104	99	94	86	77	70
5DRL16-10	11	125	100/16		138	136	131	125	118	109	97	87
5DRL16-12	11	125	100/16		166	162	157	150	141	130	116	105
5DRL16-14	15	125	100/25		194	190	184	175	166	152	136	122
5DRL16-16	15	125	100/25		222	217	210	200	189	174	156	140

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	50	60	70	80	90	100	110	120	130	140
5DRL20-2	2.2	125	100/6	Head H (m)	27	26.5	26	25	24	23	22	20	18	15
5DRL20-3	4.0	125	100/6		40	39.5	39	38	37	35	33	30	27	24
5DRL20-4	5.5	125	100/6		54	53	52	51	49	47	44	41	37	33
5DRL20-5	5.5	125	100/6		67	66	64	62	60	58	55	50	45	40
5DRL20-6	7.5	125	100/10		81	79	77	75	73	70	66	61	55	49
5DRL20-7	7.5	125	100/10		95	93	91	89	86	82	77	71	65	58
5DRL20-8	11	125	100/10		109	107	105	102	99	94	89	82	75	67
5DRL20-10	11	125	100/16		136	134	131	128	124	118	111	103	95	85
5DRL20-12	15	125	100/16		164	162	158	154	149	142	133	124	114	102
5DRL20-14	15	125	100/25		192	189	185	180	174	166	156	145	133	119
5DRL20-17	18.5	125	100/25		234	230	225	219	212	202	190	177	162	145

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	80	100	120	140	160	180	200
5DRL32-20-2	3.0	200	200/6	Head H (m)	29	28	26	23	20	16	11
5DRL32-20	4.0	200	200/6		36	34	32	29	27	23	18
5DRL32-30-2	5.5	200	200/6		47	44	41	38	33	28	21
5DRL32-30	5.5	200	200/6		54	51	48	44	40	35	27
5DRL32-40-2	7.5	200	200/6		65	62	58	53	46	40	30
5DRL32-40	7.5	200	200/6		72	69	65	59	53	47	37
5DRL32-50-2	11	200	200/10		83	79	74	68	60	52	41
5DRL32-50	11	200	200/10		90	86	81	74	67	59	47
5DRL32-60-2	11	200	200/10		101	97	90	83	74	65	51
5DRL32-60	11	200	200/10		108	104	97	90	81	72	57
5DRL32-70-2	15	200	200/10		119	114	107	98	88	78	60
5DRL32-70	15	200	200/16		126	121	113	105	95	85	67
5DRL32-80-2	15	200	200/16		136	131	123	114	102	90	71
5DRL32-80	15	200	200/16		144	138	130	120	109	97	77
5DRL32-90-2	18.5	200	200/16		154	148	140	129	117	102	82
5DRL32-90	18.5	200	200/16		162	156	147	136	124	109	88
5DRL32-100-2	18.5	200	200/16		175	166	157	146	131	115	91
5DRL32-100	18.5	200	200/16		182	173	164	152	138	122	98
5DRL32-110-2	22	200	200/16		193	184	173	164	146	128	102
5DRL32-110	22	200	200/16		200	191	180	168	153	135	109
5DRL32-120-2	22	200	200/25		211	201	189	178	160	140	113
5DRL32-120	22	200	200/25		218	208	196	184	167	147	120
5DRL32-130-2	30	200	200/25		230	218	206	193	174	153	124
5DRL32-130	30	200	200/25		237	225	213	200	181	160	131
5DRL32-140-2	30	200	200/25		247	235	222	210	189	165	135
5DRL32-140	30	200	200/25		242	242	229	216	196	172	142

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	125	150	175	200	210	225	250	275
5DRL42-10	4.0	200	200/6	Head H (m)	24	23	22	21	20	19	18	16
5DRL42-20-2	5.5	200	200/6		40	38	36	33	32	30	27	23
5DRL42-20	7.5	200	200/6		48	46	44	42	41	39	35	31
5DRL42-30-2	11	200	200/10		63	61	58	54	52	50	44	38
5DRL42-30	11	200	200/10		71	69	66	63	61	58	53	47
5DRL42-40-2	15	200	200/10		87	84	80	75	73	69	62	54
5DRL42-40	15	200	200/10		95	92	88	84	81	78	71	62
5DRL42-50-2	18.5	200	200/10		111	107	102	96	93	88	80	69
5DRL42-50	18.5	200	200/16		119	115	110	105	101	97	88	78
5DRL42-60-2	22	200	200/16		135	130	124	117	113	108	97	85
5DRL42-60	22	200	200/16		143	138	132	125	122	116	106	93
5DRL42-70-2	30	200	200/16		158	152	146	138	134	127	115	100
5DRL42-70	30	200	200/16		166	161	154	146	142	135	124	109
5DRL42-80-2	30	200	200/16		182	175	168	159	154	146	133	116
5DRL42-80	30	200	200/25		190	184	176	167	162	154	141	124

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	125	150	175	200	210	225	250	275
5DRL42-90-2	30	200	200/25	Head H (m)	205	198	190	180	174	166	150	132
5DRL42-90	37	200	200/25		214	207	198	188	183	174	159	140
5DRL42-100-2	37	200	200/25		230	221	212	200	194	185	168	147
5DRL42-100	37	200	200/25		238	230	220	209	203	193	117	155
5DRL42-110-2	45	200	200/25		255	246	236	223	217	206	188	165
5DRL42-110	45	200	200/25		263	255	244	232	225	214	196	173
5DRL42-120-2	45	200	200/25		280	270	259	245	238	226	206	181
5DRL42-120	45	200	200/25		289	280	268	255	247	236	216	190
5DRL42-130-2	45	200	200/30		305	294	282	267	259	247	225	198

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	150	200	250	300	325	350	400
5DRL65-10	5.5	250	200/6	Head H (m)	27	25	23	21	20	18	15
5DRL65-20-2	7.5	250	200/6		39	36	33	29	26	23	17
5DRL65-20-1	11	250	200/6		46	44	40	36	33	30	24
5DRL65-20	11	250	200/6		53	51	47	43	40	37	30
5DRL65-30-2	15	250	200/6		66	62	56	50	46	41	32
5DRL65-30-1	15	250	200/6		73	69	63	57	53	48	39
5DRL65-30	18.5	250	200/10		80	76	70	64	60	55	46
5DRL65-40-2	18.5	250	200/10		92	87	80	71	66	60	47
5DRL65-40-1	22	250	200/10		100	91	87	78	73	67	54
5DRL65-40	22	250	200/10		107	101	94	85	80	74	61
5DRL65-50-2	30	250	200/10		121	114	105	95	88	80	64
5DRL65-50-1	30	250	200/16		128	121	112	102	95	87	71
5DRL65-50	30	250	200/16		136	129	119	109	102	94	78
5DRL65-60-2	30	250	200/16		150	142	131	118	110	101	81
5DRL65-60-1	37	250	200/16		157	149	138	125	117	108	88
5DRL65-60	37	250	200/16		164	156	145	132	124	115	95
5DRL65-70-2	37	250	200/16		179	169	156	141	132	121	99
5DRL65-70-1	37	250	200/25		186	176	163	148	139	128	106
5DRL65-70	45	250	200/25		193	183	170	155	146	135	112
5DRL65-80-2	45	250	200/25		207	196	182	164	154	142	116
5DRL65-80-1	45	250	200/25		215	203	189	171	161	149	123

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (l/Bar)	Flow (m^3/h)	250	300	350	400	425	450	500	550
5DRL85-10	7.5	250	300/6	Head H (m)	25	24	22	21	20	19	16	12
5DRL85-20-2	11	250	300/6		41	39	36	32	30	28	22	15
5DRL85-20	15	250	300/6		53	50	47	44	41	40	36	30
5DRL85-30-2	18.5	250	300/6		68	65	60	55	52	49	41	32
5DRL85-30	22	250	300/10		81	77	72	67	64	62	55	48
5DRL85-40-2	30	250	300/10		98	93	87	80	75	72	62	50
5DRL85-40	30	250	300/10		110	105	100	92	86	84	76	66
5DRL85-50-2	37	250	300/16		126	120	113	104	98	93	81	68
5DRL85-50	37	250	300/16		139	131	124	115	110	106	94	83
5DRL85-60-2	45	250	300/16		155	148	139	129	122	117	102	86
5DRL85-60	45	250	300/16		168	160	150	141	134	130	117	103

DRL Constant Pressure VFD Booster

2 sets of Vertical Pump Booster Equipment

2DR(L) Series 60Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	2	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	4	Ball Valve /butterfly valve
6	Check valve	2	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	2	3	4	5	6	7	8	9
2DRL2-3	0.75	50	50	Head II (m)	39	36	33	31	27	24	19	15
2DRL2-5	1.1	50	50		65	60	57	52	46	41	32	25
2DRL2-7	1.5	50	50		91	86	81	74	66	57	47	35
2DRL2-11	2.2	50	50		143	136	128	116	104	90	75	56
2DRL2-15	3	50	50		195	186	176	160	142	125	103	77
2DRL2-18	4	50	50		234	228	212	195	171	151	126	94

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	5	6	8	10	12	14	16
2DRL4-3	1.1	50	50	Head H (m)	39	38	36	32	28	24	21
2DRL4-4	1.5	50	50		52	50	48	44	38	35	31
2DRL4-6	2.2	50	50		78	75	72	67	59	54	47
2DRL4-8	3	50	50		104	100	95	90	79	72	63
2DRL4-12	4	50	50		156	150	145	136	122	109	96
2DRL4-16	5.5	50	50		207	201	196	183	165	146	128

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	14	16	18	20	22	24	26	28
2DRL8-3	2.2	65	50	Head H (m)	41	40	38	37	35	33	30	28
2DRL8-5	3	65	50		70	68	65	63	59	56	52	47
2DRL8-6	4	65	50		85	82	78	76	72	68	62	57
2DRL8-8	5.5	65	50		115	110	105	101	97	91	84	75
2DRL8-10	7.5	65	50		145	140	132	126	122	115	105	95
2DRL8-12	7.5	65	50		173	167	160	152	147	132	125	115
2DRL8-14	11	65	50		202	195	188	179	174	163	147	135

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	20	24	28	32	36	40	44	48	52
2DRL16-2	4	80	80	Head H (m)	38	37	36	35	34	32	30	27	24
2DRL16-3	5.5	80	80		57	56	55	54	51	48	45	40	36
2DRL16-4	7.5	80	80		76	75	73	72	68	64	60	54	49
2DRL16-5	11	80	80		96	94	92	90	85	80	75	68	62
2DRL16-6	11	80	80		115	113	111	108	102	96	91	82	75
2DRL16-8	15	80	80		155	152	148	144	137	130	122	111	101
2DRL16-10	18.5	80	80		197	192	187	181	174	165	153	139	127

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	40	48	56	64	72	80	88	96
2DRL32-20-2	5.5	100	100	Head H (m)	41	40	38	35	31	27	22	17
2DRL32-20	7.5	100	100		52	50	48	45	41	37	33	27
2DRL32-30	11	100	100		78	75	71	67	62	56	50	40
2DRL32-40	15	100	100		104	101	96	91	83	75	66	55
2DRL32-50	18.5	100	100		130	125	119	112	104	94	83	69
2DRL32-60	18.5	100	100		155	150	144	136	126	114	100	81
2DRL32-70	22	100	100		182	176	168	159	148	133	118	97
2DRL32-80	30	100	100		208	201	192	181	167	152	132	111
2DRL32-90	30	100	100		234	226	216	204	189	172	152	127

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	60	70	80	84	90	100	110	120	130
2DRL42-10-1	5.5	125	100	Head H (m)	29	28	27	26	25	23	21	19	16
2DRL42-10	7.5	125	100		34	33	32	31.5	30	29	27	25	22
2DRL42-20-2	11	125	100		57	55	53	52	49	46	43	38	33
2DRL42-20	15	125	100		69	67	65	63	61	59	55	50	44
2DRL42-30-2	18.5	125	100		90	88	85	83	80	75	72	63	55
2DRL42-30	18.5	125	100		102	100	97	95	92	88	82	76	68
2DRL42-40-2	22	125	100		125	121	118	115	112	105	98	89	78
2DRL42-40	30	125	100		136	133	129	126	123	117	112	102	89
2DRL42-50-2	30	125	100		159	154	149	146	142	134	121	115	99
2DRL42-50	30	125	100		171	166	161	158	154	145	138	126	112
2DRL42-60-2	37	125	100		194	188	182	178	173	163	155	139	122
2DRL42-60	37	125	100		205	200	193	190	186	176	166	152	134

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	80	100	120	130	140	160	180	200
2DRL65-10-1	7.5	150	100	Head II (m)	26	25	23	22	21	18	14	10
2DRL65-10	11	150	100		37	35	33	32	31	28	24	21
2DRL65-20-2	15	150	100		53	50	47	44	42	37	31	23
2DRL65-20	22	150	100		74	72	67	64	62	57	51	42
2DRL65-30-2	22	150	100		93	88	80	76	72	65	56	45
2DRL65-30	30	150	100		112	108	100	96	93	86	77	65
2DRL65-40-2	37	150	100		130	124	115	110	103	94	83	66
2DRL65-40	45	150	100		152	144	135	130	123	114	102	86
2DRL65-50-2	45	150	100		172	162	151	144	137	126	112	91

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	120	140	160	170	180	200	220	240	260
2DRL85-10-1	11	150	100	Head II (m)	31	27	25	24	23	21	18	14	9
2DRL85-10	15	150	100		36	35	33	31	30	29	26	23	18
2DRL85-20-2	18.5	150	100		59	57	54	51	48	44	39	32	22
2DRL85-20	30	150	100		76	73	69	66	64	60	56	52	44
2DRL85-30-2	37	150	100		98	94	88	85	82	75	69	59	46
2DRL85-30	45	150	100		116	111	105	102	97	93	88	79	69
2DRL85-40-2	45	150	100		141	135	128	124	118	109	102	89	72

DRL Constant Pressure VFD Booster

3 sets of Vertical Pump Booster Equipment

3DR(L) Series 60Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	3	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	6	Ball Valve /butterfly valve
6	Check valve	3	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	3	4.5	6	7.5	9	10.5	12	13.5
3DRL2-3	0.75	50	50	Head H (m)	39	36	33	31	27	24	19	15
3DRL2-5	1.1	50	50		65	60	57	52	46	41	32	25
3DRL2-7	1.5	50	50		91	86	81	74	66	57	47	35
3DRL2-11	2.2	50	50		143	136	128	116	104	90	75	56
3DRL2-15	3	50	50		195	186	176	160	142	125	103	77
3DRL2-18	4	50	50		234	228	212	195	171	151	126	94

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	7.5	9	12	15	18	21	24
3DRL4-3	1.1	65	50	Head H (m)	39	38	36	32	28	24	21
3DRL4-4	1.5	65	50		52	50	48	44	38	35	31
3DRL4-6	2.2	65	50		78	75	72	67	59	54	47
3DRL4-8	3	65	50		104	100	95	90	79	72	63
3DRL4-12	4	65	50		156	150	145	136	122	109	96
3DRL4-16	5.5	65	50		207	201	196	183	165	146	128

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	21	24	27	30	33	36	39	42
3DRL8-3	2.2	80	80	Head H (m)	41	40	38	37	35	33	30	28
3DRL8-5	3	80	80		70	68	65	63	59	56	52	47
3DRL8-6	4	80	80		85	82	78	76	72	68	62	57
3DRL8-8	5.5	80	80		115	110	105	101	97	91	84	75
3DRL8-10	7.5	80	80		145	140	132	126	122	115	105	95
3DRL8-12	7.5	80	80		173	167	160	152	147	132	125	115
3DRL8-14	11	80	80		202	195	188	179	174	163	147	135

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	30	36	42	48	54	60	66	72	78
3DRL16-2	4	100	100	Head H (m)	38	37	36	35	34	32	30	27	24
3DRL16-3	5.5	100	100		57	56	55	54	51	48	45	40	36
3DRL16-4	7.5	100	100		76	75	73	72	68	64	60	54	49
3DRL16-5	11	100	100		96	94	92	90	85	80	75	68	62
3DRL16-6	11	100	100		115	113	111	108	102	96	91	82	75
3DRL16-8	15	100	100		155	152	148	144	137	130	122	111	101
3DRL16-10	18.5	100	100		197	192	187	181	174	165	153	139	127

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	60	72	84	96	108	120	132	144
3DRL32-20-2	5.5	125	100	Head H (m)	41	40	38	35	31	27	22	17
3DRL32-20	7.5	125	100		52	50	48	45	41	37	33	27
3DRL32-30	11	125	100		78	75	71	67	62	56	50	40
3DRL32-40	15	125	100		104	101	96	91	83	75	66	55
3DRL32-50	18.5	125	100		130	125	119	112	104	94	83	69
3DRL32-60	18.5	125	100		155	150	144	136	126	114	100	81
3DRL32-70	22	125	100		182	176	168	159	148	133	118	97
3DRL32-80	30	125	100		208	201	192	181	167	152	132	111
3DRL32-90	30	125	100		234	226	216	204	189	172	152	127

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	90	105	120	126	135	150	165	180	195
3DRL42-10-1	5.5	150	100	Head H (m)	29	28	27	26	25	23	21	19	16
3DRL42-10	7.5	150	100		34	33	32	31.5	30	29	27	25	22
3DRL42-20-2	11	150	100		57	55	53	52	49	46	43	38	33
3DRL42-20	15	150	100		69	67	65	63	61	59	55	50	44
3DRL42-30-2	18.5	150	100		90	88	85	83	80	75	72	63	55
3DRL42-30	18.5	150	100		102	100	97	95	92	88	82	76	68
3DRL42-40-2	22	150	100		125	121	118	115	112	105	98	89	78
3DRL42-40	30	150	100		136	133	129	126	123	117	112	102	89
3DRL42-50-2	30	150	100		159	154	149	146	142	134	121	115	99
3DRL42-50	30	150	100		171	166	161	158	154	145	138	126	112
3DRL42-60-2	37	150	100		194	188	182	178	173	163	155	139	122
3DRL42-60	37	150	100		205	200	193	190	186	176	166	152	134

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	120	150	180	195	210	240	270	300
3DRL65-10-1	7.5	200	200	Head II (m)	26	25	23	22	21	18	14	10
3DRL65-10	11	200	200		37	35	33	32	31	28	24	21
3DRL65-20-2	15	200	200		53	50	47	44	42	37	31	23
3DRL65-20	22	200	200		74	72	67	64	62	57	51	42
3DRL65-30-2	22	200	200		93	88	80	76	72	65	56	45
3DRL65-30	30	200	200		112	108	100	96	93	86	77	65
3DRL65-40-2	37	200	200		130	124	115	110	103	94	83	66
3DRL65-40	45	200	200		152	144	135	130	123	114	102	86
3DRL65-50-2	45	200	200		172	162	151	144	137	126	112	91

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	180	210	240	255	270	300	330	360	390
3DRL85-10-1	11	200	200	Head H (m)	31	27	25	24	23	21	18	14	9
3DRL85-10	15	200	200		36	35	33	31	30	29	26	23	18
3DRL85-20-2	18.5	200	200		59	57	54	51	48	44	39	32	22
3DRL85-20	30	200	200		76	73	69	66	64	60	56	52	44
3DRL85-30-2	37	200	200		98	94	88	85	82	75	69	59	46
3DRL85-30	45	200	200		116	111	105	102	97	93	88	79	69
3DRL85-40-2	45	200	200		141	135	128	124	118	109	102	89	72

DRL Constant Pressure VFD Booster

4 sets of Vertical Pump Booster Equipment

4DR(L) Series 60Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	4	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	8	Ball Valve /butterfly valve
6	Check valve	4	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	4	6	8	10	12	14	16	18
4DRL2-3	0.75	50	50	Head H (m)	39	36	33	31	27	24	19	15
4DRL2-5	1.1	50	50		65	60	57	52	46	41	32	25
4DRL2-7	1.5	50	50		91	86	81	74	66	57	47	35
4DRL2-11	2.2	50	50		143	136	128	116	104	90	75	56
4DRL2-15	3	50	50		195	186	176	160	142	125	103	77
4DRL2-18	4	50	50		234	228	212	195	171	151	126	94

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	10	12	16	20	24	28	32
4DRL4-3	1.1	80	50	Head H (m)	39	38	36	32	28	24	21
4DRL4-4	1.5	80	50		52	50	48	44	38	35	31
4DRL4-6	2.2	80	50		78	75	72	67	59	54	47
4DRL4-8	3	80	50		104	100	95	90	79	72	63
4DRL4-12	4	80	50		156	150	145	136	122	109	96
4DRL4-16	5.5	80	50		207	201	196	183	165	146	128

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	28	32	36	40	44	48	52	56
4DRL8-3	2.2	100	100	Head H (m)	41	40	38	37	35	33	30	28
4DRL8-5	3	100	100		70	68	65	63	59	56	52	47
4DRL8-6	4	100	100		85	82	78	76	72	68	62	57
4DRL8-8	5.5	100	100		115	110	105	101	97	91	84	75
4DRL8-10	7.5	100	100		145	140	132	126	122	115	105	95
4DRL8-12	7.5	100	100		173	167	160	152	147	132	125	115
4DRL8-14	11	100	100		202	195	188	179	174	163	147	135

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	40	48	56	64	72	80	88	96	104
4DRL16-2	4	125	100	Head H (m)	38	37	36	35	34	32	30	27	24
4DRL16-3	5.5	125	100		57	56	55	54	51	48	45	40	36
4DRL16-4	7.5	125	100		76	75	73	72	68	64	60	54	49
4DRL16-5	11	125	100		96	94	92	90	85	80	75	68	62
4DRL16-6	11	125	100		115	113	111	108	102	96	91	82	75
4DRL16-8	15	125	100		155	152	148	144	137	130	122	111	101
4DRL16-10	18.5	125	100		197	192	187	181	174	165	153	139	127

汉森 Hanthing

DRL Constant Pressure VFD Booster

4DR(L) Series 60Hz 4 sets of Vertical Pump Booster Equipment

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	80	96	112	128	144	160	176	192
4DRL32-20-2	5.5	150	200	Head H (m)	41	40	38	35	31	27	22	17
4DRL32-20	7.5	150	200		52	50	48	45	41	37	33	27
4DRL32-30	11	150	200		78	75	71	67	62	56	50	40
4DRL32-40	15	150	200		104	101	96	91	83	75	66	55
4DRL32-50	18.5	150	200		130	125	119	112	104	94	83	69
4DRL32-60	18.5	150	200		155	150	144	136	126	114	100	81
4DRL32-70	22	150	200		182	176	168	159	148	133	118	97
4DRL32-80	30	150	200		208	201	192	181	167	152	132	111
4DRL32-90	30	150	200		234	226	216	204	189	172	152	127

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	120	140	160	168	180	200	220	240	260
4DRL42-10-1	5.5	150	200	Head H (m)	29	28	27	26	25	23	21	19	16
4DRL42-10	7.5	150	200		34	33	32	31.5	30	29	27	25	22
4DRL42-20-2	11	150	200		57	55	53	52	49	46	43	38	33
4DRL42-20	15	150	200		69	67	65	63	61	59	55	50	44
4DRL42-30-2	18.5	150	200		90	88	85	83	80	75	72	63	55
4DRL42-30	18.5	150	200		102	100	97	95	92	88	82	76	68
4DRL42-40-2	22	150	200		125	121	118	115	112	105	98	89	78
4DRL42-40	30	150	200		136	133	129	126	123	117	112	102	89
4DRL42-50-2	30	150	200		159	154	149	146	142	134	121	115	99
4DRL42-50	30	150	200		171	166	161	158	154	145	138	126	112
4DRL42-60-2	37	150	200		194	188	182	178	173	163	155	139	122
4DRL42-60	37	150	200		205	200	193	190	186	176	166	152	134

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	160	200	240	260	280	320	360	400
4DRL65-10-1	7.5	200	200	Head H (m)	26	25	23	22	21	18	14	10
4DRL65-10	11	200	200		37	35	33	32	31	28	24	21
4DRL65-20-2	15	200	200		53	50	47	44	42	37	31	23
4DRL65-20	22	200	200		74	72	67	64	62	57	51	42
4DRL65-30-2	22	200	200		93	88	80	76	72	65	56	45
4DRL65-30	30	200	200		112	108	100	96	93	86	77	65
4DRL65-40-2	37	200	200		130	124	115	110	103	94	83	66
4DRL65-40	45	200	200		152	144	135	130	123	114	102	86
4DRL65-50-2	45	200	200		172	162	151	144	137	126	112	91

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	240	280	320	340	360	400	440	480	520
4DRL85-10-1	11	200	200	Head H (m)	31	27	25	24	23	21	18	14	9
4DRL85-10	15	200	200		36	35	33	31	30	29	26	23	18
4DRL85-20-2	18.5	200	200		59	57	54	51	48	44	39	32	22
4DRL85-20	30	200	200		76	73	69	66	64	60	56	52	44
4DRL85-30-2	37	200	200		98	94	88	85	82	75	69	59	46
4DRL85-30	45	200	200		116	111	105	102	97	93	88	79	69
4DRL85-40-2	45	200	200		141	135	128	124	118	109	102	89	72

DRL Constant Pressure VFD Booster

5 sets of Vertical Pump Booster Equipment

5DR(L) Series 60Hz

Frequency conversion control

Main Components

NO.	Name	Quantity	Remark
1	Vertical Multi-stage Pump	5	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	10	Ball Valve /butterfly valve
6	Check valve	5	SS304
7	Pressure tank	1	SS400
8	Base frame	1	Q235-A

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	35	40	45	50	55	60	65	70
5DRL8-3	2.2	100	100	Head H (m)	41	40	38	37	35	33	30	28
5DRL8-5	3	100	100		70	68	65	63	59	56	52	47
5DRL8-6	4	100	100		85	82	78	76	72	68	62	57
5DRL8-8	5.5	100	100		115	110	105	101	97	91	84	75
5DRL8-10	7.5	100	100		145	140	132	126	122	115	105	95
5DRL8-12	7.5	100	100		173	167	160	152	147	132	125	115
5DRL8-14	11	100	100		202	195	188	179	174	163	147	135

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	50	60	70	80	90	100	110	120	130
5DRL16-2	4	125	100	Head H (m)	38	37	36	35	34	32	30	27	24
5DRL16-3	5.5	125	100		57	56	55	54	51	48	45	40	36
5DRL16-4	7.5	125	100		76	75	73	72	68	64	60	54	49
5DRL16-5	11	125	100		96	94	92	90	85	80	75	68	62
5DRL16-6	11	125	100		115	113	111	108	102	96	91	82	75
5DRL16-8	15	125	100		155	152	148	144	137	130	122	111	101
5DRL16-10	18.5	125	100		197	192	187	181	174	165	153	139	127

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	100	120	140	160	180	200	220	240
5DRL32-20-2	5.5	200	200	Head H (m)	41	40	38	35	31	27	22	17
5DRL32-20	7.5	200	200		52	50	48	45	41	37	33	27
5DRL32-30	11	200	200		78	75	71	67	62	56	50	40
5DRL32-40	15	200	200		104	101	96	91	83	75	66	55
5DRL32-50	18.5	200	200		130	125	119	112	104	94	83	69
5DRL32-60	18.5	200	200		155	150	144	136	126	114	100	81
5DRL32-70	22	200	200		182	176	168	159	148	133	118	97
5DRL32-80	30	200	200		208	201	192	181	167	152	132	111
5DRL32-90	30	200	200		234	226	216	204	189	172	152	127

5DR(L) Series 60Hz 5 sets of Vertical Pump Booster Equipment

Performance Parameter table

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	150	175	200	210	225	250	275	300	325
5DRL42-10-1	5.5	200	200	Head H (m)	29	28	27	26	25	23	21	19	16
5DRL42-10	7.5	200	200		34	33	32	31.5	30	29	27	25	22
5DRL42-20-2	11	200	200		57	55	53	52	49	46	43	38	33
5DRL42-20	15	200	200		69	67	65	63	61	59	55	50	44
5DRL42-30-2	18.5	200	200		90	88	85	83	80	75	72	63	55
5DRL42-30	18.5	200	200		102	100	97	95	92	88	82	76	68
5DRL42-40-2	22	200	200		125	121	118	115	112	105	98	89	78
5DRL42-40	30	200	200		136	133	129	126	123	117	112	102	89
5DRL42-50-2	30	200	200		159	154	149	146	142	134	121	115	99
5DRL42-50	30	200	200		171	166	161	158	154	145	138	126	112
5DRL42-60-2	37	200	200		194	188	182	178	173	163	155	139	122
5DRL42-60	37	200	200		205	200	193	190	186	176	166	152	134

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	200	250	300	325	350	400	450	500
5DRL65-10-1	7.5	250	200	Head H (m)	26	25	23	22	21	18	14	10
5DRL65-10	11	250	200		37	35	33	32	31	28	24	21
5DRL65-20-2	15	250	200		53	50	47	44	42	37	31	23
5DRL65-20	22	250	200		74	72	67	64	62	57	51	42
5DRL65-30-2	22	250	200		93	88	80	76	72	65	56	45
5DRL65-30	30	250	200		112	108	100	96	93	86	77	65
5DRL65-40-2	37	250	200		130	124	115	110	103	94	83	66
5DRL65-40	45	250	200		152	144	135	130	123	114	102	86
5DRL65-50-2	45	250	200		172	162	151	144	137	126	112	91

Model	Power of one pump (kW)	Inlet/outlet pipe DN	Pressure tank (L)	Flow (m^3/h)	300	350	400	425	450	500	550	600	650
5DRL85-10-1	11	250	300	Head II (m)	31	27	25	24	23	21	18	14	9
5DRL85-10	15	250	300		36	35	33	31	30	29	26	23	18
5DRL85-20-2	18.5	250	300		59	57	54	51	48	44	39	32	22
5DRL85-20	30	250	300		76	73	69	66	64	60	56	52	44
5DRL85-30-2	37	250	300		98	94	88	85	82	75	69	59	46
5DRL85-30	45	250	300		116	111	105	102	97	93	88	79	69
5DRL85-40-2	45	250	300		141	135	128	124	118	109	102	89	72

DRL Constant Pressure VFD Booster

2 sets of Horizontal Variable Speed Booster Equipment

2DHF Series

Main Components

NO.	Name	Quantity	Remark
1	Horizontal Multi-stage Pump	2	SS304/SS316
2	Control cabinet	1	SS400/SS304
3	Pressure sensor	1	4~20mA
4	Inlet and outlet pipe	One set	SS304
5	Valve	4	Ball valve
6	Check valve	2	SS304
7	Pressure tank	2	SS400
8	Base frame	1	Q235-A

50Hz Performance Parameter table

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	1	2	3	4	5	6	7
		(kW)	DN	Pressure control	Frequency conversion control								
2DHF2	2DHF2-50	0.55	50	100	50	Head(m)	46	43	40	35	33	28	22

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	2	4	6	8	10	12	14
		(kW)	DN	Pressure control	Frequency conversion control								
2DHF4	2DHF4-40	0.75	50	100	50	Head(m)	38	36	32	30	26	20	14

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	10	12	14	16	18	20	22
		(kW)	DN	Pressure control	Frequency conversion control								
2DHF8	2DHF8-20	0.75	65	200	50	Head(m)	19	18.5	18	17	15	13	11
	2DHF8-30	1.1	65	200	50		29	28	27	25.5	22.5	20	17.5
	2DHF8-50	2.2	65	200	50		49	47	45	42.5	38	33.5	28

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	16	20	24	28	32	36	40	44
		(kW)	DN	Pressure control	Frequency conversion control									
2DHF16	2DHF16-20	2.2	80	200	100	Head(m)	25.5	24	23	22	21	19	17	14.5
	2DHF16-30	3	80	200	100		38.5	37	36	34	32	30	27	23

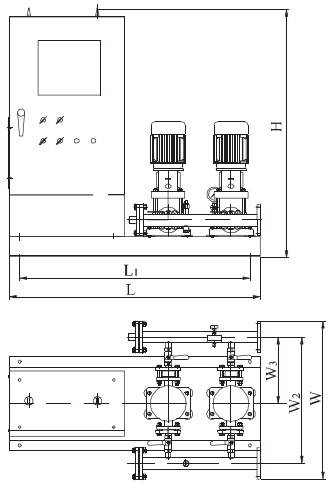
60Hz Performance Parameter table

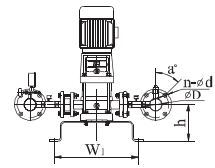
Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	2	3	4	5	6	7	8
		(kW)	DN	Pressure control	Frequency conversion control								
2DHF2	2DHF2-50	1.1	50	100	50	Head(m)	63	60	55	50	46	40	30

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	4	6	8	10	12	14	16
		(kW)	DN	Pressure control	Frequency conversion control								
2DHF4	2DHF4-40	1.5	50	100	50	Head(m)	53	49	44	42	38	31	24

Category	Model	Power	Inlet/outlet pipe	Pressure tank (L)		Flow (m^3/h)	12	14	16	18	20	22	24	26
		(kW)	DN	Pressure control	Frequency conversion control									
2DHF8	2DHF8-20	1.5	65	200	50	Head(m)	27	26	25	24	23	21	19	16
	2DHF8-30	2.2	65	200	50		41	40	39	37	34	33	29	25
	2DHF8-50	3	65	200	50		69	67	65	62	55	53	49	40

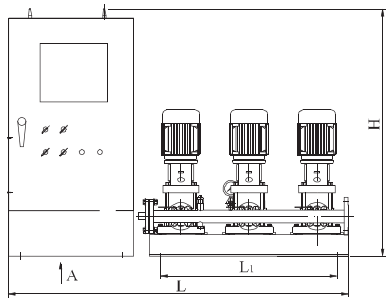
2DR(L) Series 50Hz

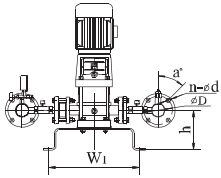


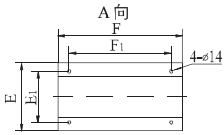


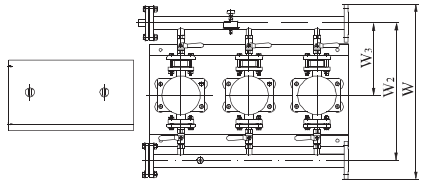
Dimension of the booster system

	Model	h	L	W	H	L1	W1	W2	W3	a	n	d	D
2DRL	2DRL2-3	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-4	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-5	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-6	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-7	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-9	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-11	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-13	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-15	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-18	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-22	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL2-26	175	1200	780	1195	1100	400	620	340	45	4	18	125
	2DRL4-3	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-4	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-5	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-6	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-7	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-8	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-10	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-12	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-14	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-16	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-19	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL4-22	175	1200	785	1195	1100	400	640	355	45	4	18	125
	2DRL8-3	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-4	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-5	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-6	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-8	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-10	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-12	175	1300	896	1190	1200	400	710	405	45	4	18	145
	2DRL8-14	175	1300	896	1267	1200	400	710	405	45	4	18	145
	2DRL8-16	175	1300	896	1267	1200	400	710	405	45	4	18	145
	2DRL8-18	175	1300	896	1267	1200	400	710	405	45	4	18	145









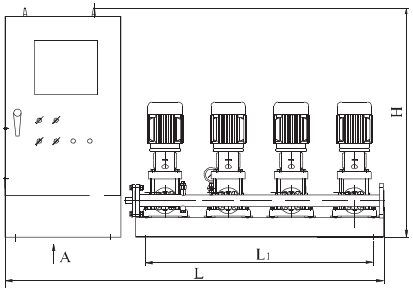
电机功率 (kW)	F	E	F1	E1
0.75~5.5	550	300	450	225
7.5	650	350	550	225
11~15	750	350	650	225
18.5~37	800	350	700	225

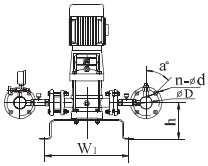
Dimension of the booster system

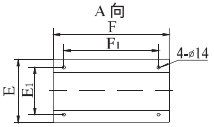
Control cabinet seperated 3DRL

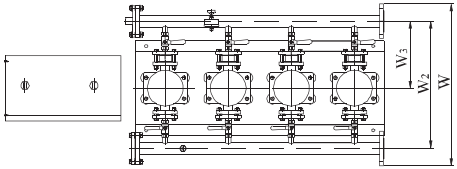
Model	h	L	W	H	L1	W1	W2	W3	a	n	d	D
3DRL2-3	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-4	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-5	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-6	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-7	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-9	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-11	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-13	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-15	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-18	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-22	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL2-26	175	1550	790	1110	780	400	620	340	45	4	18	125
3DRL4-3	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-4	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-5	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-6	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-7	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-8	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-10	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-12	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-14	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-16	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-19	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL4-22	175	1550	857	1110	780	400	680	375	45	4	18	145
3DRL8-3	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-4	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-5	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-6	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-8	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-10	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-12	175	1790	930	1110	900	400	735	420	22.5	8	18	160
3DRL8-14	175	1790	930	1280	900	400	735	420	22.5	8	18	160
3DRL8-16	175	1790	930	1280	900	400	735	420	22.5	8	18	160
3DRL8-18	175	1790	930	1280	900	400	735	420	22.5	8	18	160

4DR(L) Series 50Hz









Dimension of the booster system

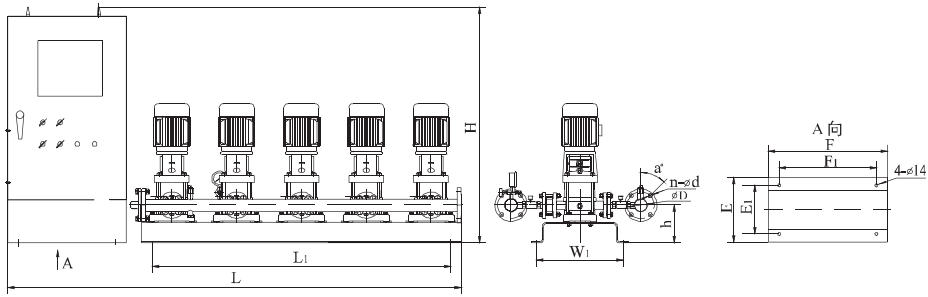
电机功率 (kW)	F	E	F1	E1
0.75~2.2	550	300	450	225
3.0~7.5	650	350	550	225
11	750	350	650	225
15~18.5	800	350	700	225
22~37	1000	500	900	375

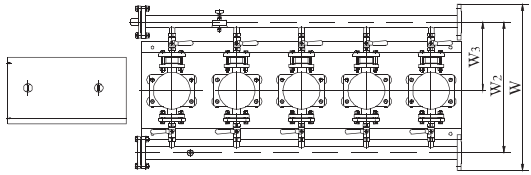
Control cabinet is seperated 4DRL

Model	h	L	W	H	L1	W1	W2	W3	a	n	d	D
4DRL2-3	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-4	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-5	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-6	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-7	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-9	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-11	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-13	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-15	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-18	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-22	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL2-26	175	1850	790	1100	1080	400	620	340	45	4	18	125
4DRL4-3	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-4	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-5	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-6	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-7	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-8	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-10	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-12	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-14	175	1850	900	1100	1080	400	705	385	22.5	8	18	160
4DRL4-16	175	1950	900	1300	1080	400	705	385	22.5	8	18	160
4DRL4-19	175	1950	900	1300	1080	400	705	385	22.5	8	18	160
4DRL4-22	175	1950	900	1300	1080	400	705	385	22.5	8	18	160
4DRL8-3	175	2130	975	1100	1235	400	755	440	22.5	8	18	180
4DRL8-4	175	2130	975	1100	1235	400	755	440	22.5	8	18	180
4DRL8-5	175	2130	975	1100	1235	400	755	440	22.5	8	18	180
4DRL8-6	175	2130	975	1100	1235	400	755	440	22.5	8	18	180
4DRL8-8	175	2230	975	1270	1235	400	755	440	22.5	8	18	180
4DRL8-10	175	2230	975	1270	1235	400	755	440	22.5	8	18	180
4DRL8-12	175	2230	975	1270	1235	400	755	440	22.5	8	18	180
4DRL8-14	175	2230	975	1270	1235	400	755	440	22.5	8	18	180
4DRL8-16	175	2230	975	1270	1235	400	755	440	22.5	8	18	180
4DRL8-18	175	2230	975	1270	1235	400	755	440	22.5	8	18	180

Installation Dimension

5DR(L) Series 50Hz





Dimension of the booster system

电机功率 (kW)	F	E	F1	E1
0.75~1.5	550	300	450	225
2.2~3	650	350	550	225
4.0~7.5	750	350	650	225
11~15	800	350	700	225
18.5	1000	500	900	375
22~30	1200	500	900	375
37	1500	500	1200	375

Control cabinet is seperated 5DRL

Model	h	L	W	H	L1	W1	W2	W3	a	n	d	D
5DRL8-3	175	2500	975	1100	1575	400	755	440	22.5	8	18	180
5DRL8-4	175	2500	975	1100	1575	400	755	440	22.5	8	18	180
5DRL8-5	175	2500	975	1100	1575	400	755	440	22.5	8	18	180
5DRL8-6	175	2500	975	1100	1575	400	755	440	22.5	8	18	180
5DRL8-8	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-10	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-12	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-14	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-16	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-18	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL8-20	175	2600	975	1270	1575	400	755	440	22.5	8	18	180
5DRL12-3	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-4	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-5	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-6	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-7	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-8	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-9	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-10	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-12	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-14	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-16	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL12-18	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL16-2	175	2500	1120	1100	1835	400	875	485	22.5	8	18	210
5DRL16-3	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-4	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-5	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-6	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-7	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-8	175	2600	1120	1300	1835	400	875	485	22.5	8	18	210
5DRL16-10	175	2810	1120	1450	1835	400	875	485	22.5	8	18	210
5DRL16-12	175	2810	1120	1450	1835	400	875	485	22.5	8	18	210
5DRL16-14	175	2810	1120	1450	1835	400	875	485	22.5	8	18	210
5DRL16-16	175	2810	1120	1450	1835	400	875	485	22.5	8	18	210

Main Products

Variable Speed PID Controlled Booster Equipment

XQB Series Fire-fighting Water Supply System

Boost Equipment Control Cabinet

NFG Automatic Air Pressure Complete Water Supply System

Pressure Tank