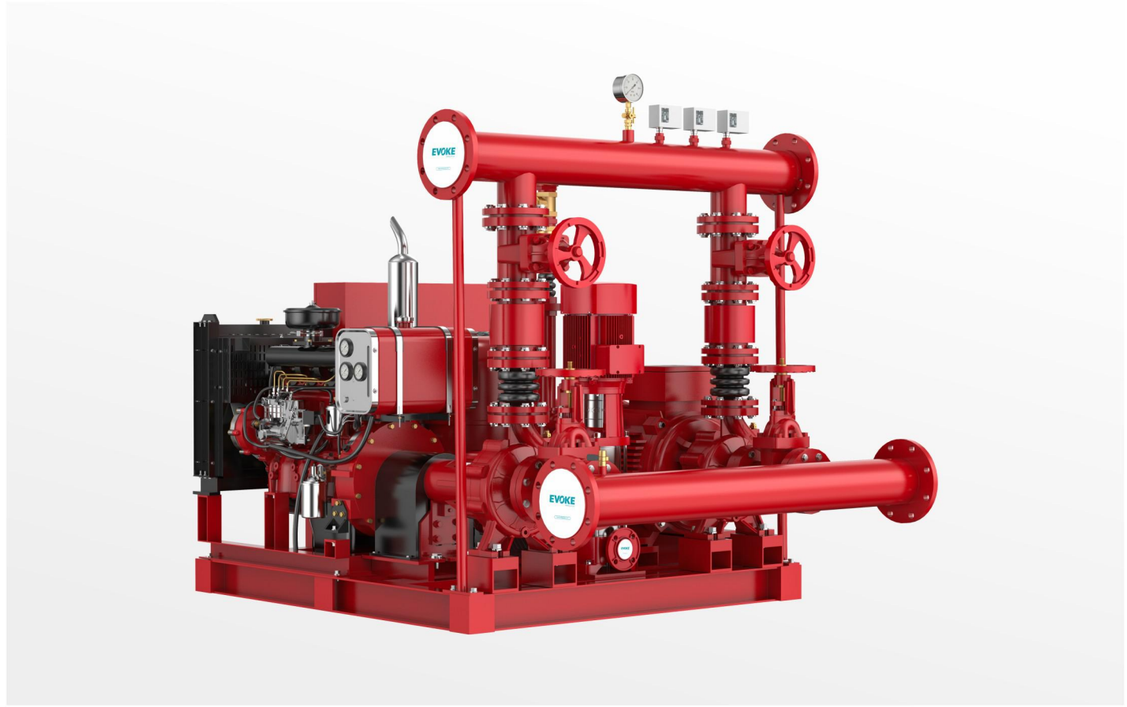


E-EDJ Fire Fighting System

Description

Fire pumps are designed for whole operational life, the maximum reliability is always the first priority.
The components affix onto a steel framing structure.
Each controller has its own individual pressure sensing line.
The suction line should never include a strainer.
Check valve and butterfly valve are in the discharge line.
NFPA 20 doesn't allow suction from negative level for end suction and split case pumps.

Principle

When pressure drops below the set value, jockey starts running with the signal from the pressure switch and continues running for 10 minutes till the system pressure reaches the set value. If the pressure continues drop, first the main pump starts to run. If the system pressure can't supply and pressure continues drop, the standby pump starts to run.

Our Service

If you have doubts about product selection, we will provide services to help you choose the right pump and solution.

Model Definition

E-EDJ 50 / 9 - 10 - 12 - 1.5

- 1.5=Power(hp)-Jockey
- 12=Power(hp)-Diesel
- 10=Power(hp)-Electric
- 9=Rated head(Bar)
- 50=Rated fow(GPM)
- E-EDJ=Pump type

E=Electric driven pump D=Diesel driven pump J=Jockey pump

NFPA20 VERSIONS

E-EDJ

Fire pump set consists of Electric pump+ Diesel pump+ Jockey pump and all accessories

E-DJ

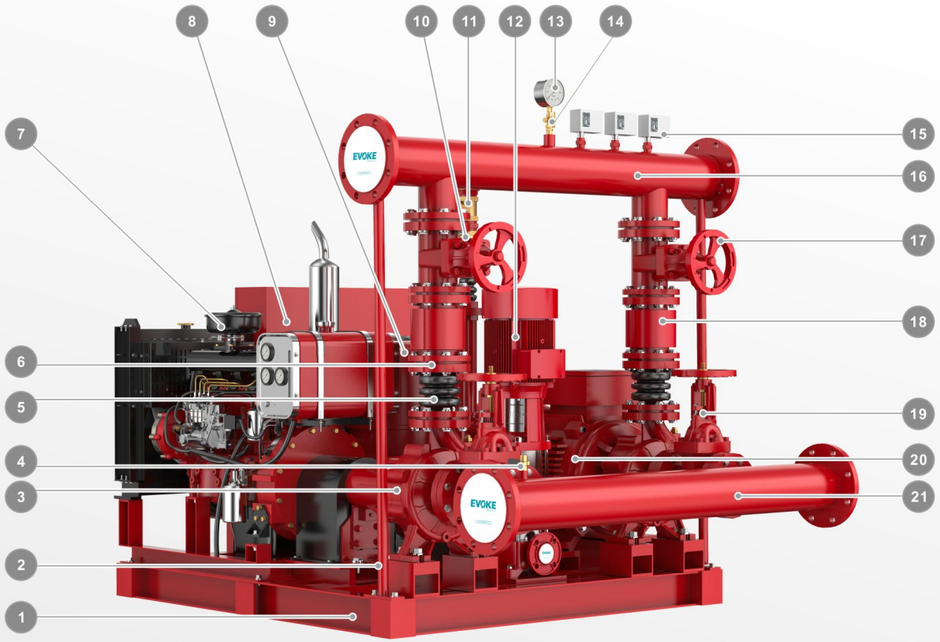
Fire pump set consists of Diesel pump+ Jockey pump and all accessories

E-EJ

Fire pump set consists of Electric pump+ Jockey pump and all accessories

E-EEJ

Fire pump set consists of Electric pump+ Electric pump+ Jockey pump and all accessories



Material Details

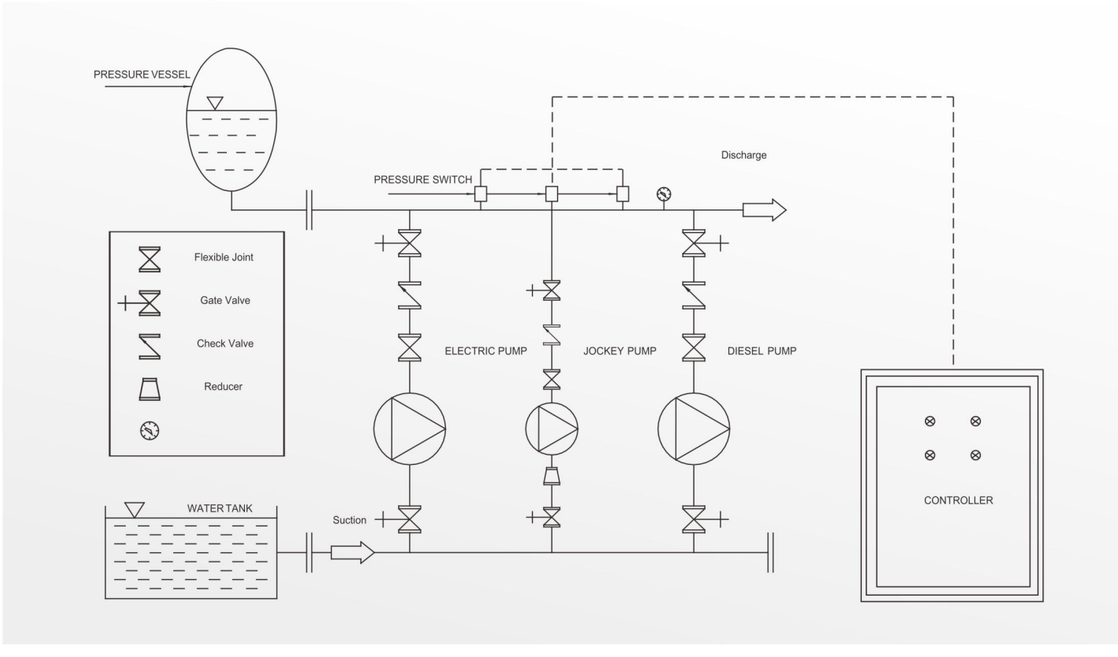
No.	Description	Detail
1	Base	Iron
2	Support rod	Iron
3	Diesel pump	-
4	Relief valve	Brass
5	Flexible joint	Rubber
6	Flange	Cast iron
7	Diesel engine	Internal combustion
8	Electric controller	DOL/Star-delta
	Jockey controller	DOL
	Diesel controller	DOL
9	Pressure tank	Iron/EPDM membrane
10	Jockey check valve	Brass

No.	Description	Detail
11	Jockey gate valve	Brass
12	Jockey pump	-
13	Pressure gauge	0-16bar
14	Relief valve	Brass
15	Pressure switch	0-16bar
16	Discharge pipeline	Carbon steel
17	Gate valve	Ductile
18	Check valve	Ductile
19	OS&Y valve	Ductile
20	Electric pump	-
21	Suction pipeline	Carbon steel

Pipe Diameters Table

Pump Flow Rate		Minimum Pipe Diameters (Nominal)	
GPM	m³/h	Suction	Discharge
25	6	DN32	DN25
50	11	DN32	DN25
75	17	DN32	DN25
100	23	DN32	DN25
120	27	DN65	DN40
150	34	DN65	DN40
200	45	DN65	DN40
250	57	DN65	DN50
300	68	DN65	DN50
400	91	DN80	DN65
500	114	DN80	DN65
750	170	DN100	DN80
1000	227	DN100	DN80

Schematic Diagram



E-EDJ Fire Fighting System Of EST/ESM

Model	Power HP			Perform			Electric pump	Diesel pump	Jockey pump
	Electric	Diesel	Jocky	Q GPM	H PSI	H Bar			
E-EDJ 50/6-7.5-8.2-3	7.5	8.2	3	50	87	6	EST 32-250/55	ESD 32-250/60	CDL4-10
E-EDJ 50/7-12-17-3	12	17	3	50	101	7	EST 32-250/92	ESD 32-250/125	CDL4-10
E-EDJ 50/8-15-17-3	15	17	3	50	116	8	EST 32-250/110	ESD 32-250/125	CDL4-12
E-EDJ 100/6-15-17-3	15	17	3	100	87	6	EST 40-250/110	ESD 40-250/125	CDL4-10
E-EDJ 100/7-20-27-3	20	27	3	100	101	7	EST 40-250/150	ESD 40-250/150	CDL4-10
E-EDJ 100/8-20-27-3	20	27	3	100	116	8	EST 40-250/150	ESD 40-250/200	CDL4-12
E-EDJ 120/6-15-17-3	15	17	3	120	87	6	EST 40-250/110	ESD 40-250/125	CDL4-10
E-EDJ 120/8-20-27-3	20	27	3	120	116	8	EST 40-250/150	ESD 40-250/200	CDL4-10
E-EDJ 150/6-15-17-3	15	17	3	150	87	6	EST 40-250/110	ESD 40-250/125	CDL4-10
E-EDJ 150/7-20-27-3	20	27	3	150	101	7	EST 40-250/150	ESD 40-250/200	CDL4-10
E-EDJ 150/8-30-38-3	30	38	3	150	116	8	EST 50-250/220	ESD 50-250/280	CDL4-12
E-EDJ 200/7-30-38-3	30	38	3	200	101	7	EST 50-250/220	ESD 50-250/280	CDL4-10
E-EDJ 200/8-30-38-3	30	38	3	200	116	8	EST 50-250/220	ESD 50-250/280	CDL4-12
E-EDJ 250/7-25-38-3	25	38	3	250	101	7	EST 50-250/185	ESD 50-250/280	CDL4-10
E-EDJ 250/8-30-38-3	30	38	3	250	116	8	EST 50-250/220	ESD 50-250/280	CDL4-12
E-EDJ 250/9-50-58-4	50	58	4	250	130	9	EST 65-250/370	ESD 65-250/420	CDL4-14
E-EDJ 250/10-60-75-4	60	75	4	250	145	10	EST 65-315/450	ESD 65-315/550	CDL4-16
E-EDJ 300/6-30-38-3	30	38	3	300	87	6	EST 65-250/220	ESD 65-250/280	CDL4-10
E-EDJ 300/7-40-49-3	40	49	3	300	101	7	EST 65-250/300	ESD 65-250/360	CDL4-10
E-EDJ 300/8-40-49-3	40	49	3	300	116	8	EST 65-250/300	ESD 65-250/360	CDL4-12
E-EDJ 300/9-50-58-4	50	58	4	300	130	9	EST 65-250/370	ESD 65-250/420	CDL4-14
E-EDJ 300/10-60-75-4	60	75	4	300	145	10	EST 65-315/450	ESD 65-315/550	CDL4-16
E-EDJ 350/6-30-38-3	30	38	3	350	87	6	EST 65-250/220	ESD 65-250/280	CDL4-10
E-EDJ 350/7-40-49-3	40	49	3	350	101	7	EST 65-250/300	ESD 65-250/360	CDL4-10
E-EDJ 350/8-50-60-3	50	60	3	350	116	8	EST 65-250/370	ESD 65-250/450	CDL4-12
E-EDJ 350/9-60-75-4	60	75	4	350	130	9	EST 65-315/450	ESD 65-315/550	CDL4-14
E-EDJ 350/10-60-75-4	60	75	4	350	145	10	EST 65-315/450	ESD 65-315/550	CDL4-16
E-EDJ 400/7-40-49-3	40	49	3	400	101	7	EST 65-250/300	ESD 65-250/360	CDL4-10
E-EDJ 400/8-50-58-3	50	58	3	400	116	8	EST 65-250/370	ESD 65-250/420	CDL4-12
E-EDJ 400/9-60-75-4	60	75	4	400	130	9	EST 65-315/450	ESD 65-315/550	CDL4-14
E-EDJ 400/11-75-100-4	75	100	4	400	159	11	EST 65-315/550	ESD 65-315/750	CDL4-16
E-EDJ 500/7-50-58-3	50	58	3	500	101	7	EST 80-250/370	ESD 80-250/420	CDL4-10
E-EDJ 500/8-60-75-3	60	75	3	500	116	8	EST 80-250/450	ESD 80-250/550	CDL4-12
E-EDJ 500/9-75-100-4	75	100	4	500	130	9	EST 80-250/550	ESD 80-250/750	CDL4-14

Model	Power HP			Perform			Electric pump	Diesel pump	Jockey pump
	Electric	Diesel	Jocky	Q GPM	H PSI	H Bar			
E-EDJ 500/11-75-100-4	75	100	4	500	159	11	EST 65-315/550	ESD 65-315/750	CDL4-16
E-EDJ 500/13-100-122-5.5	100	122	5.5	500	188	13	ESM 100-350/750	ESD 100-350/900	CDL4-19
E-EDJ 500/14-122-150-5.5	122	150	5.5	500	203	14	ESM 100-350/900	ESD 100-350/1100	CDL4-22
E-EDJ 750/6-60-75-3	60	75	3	750	87	6	EST 100-250/450	ESD 100-250/550	CDL4-10
E-EDJ 750/7-75-100-3	75	100	3	750	101	7	EST 100-250/550	ESD 100-250/750	CDL4-12
E-EDJ 750/8-100-122-4	100	122	4	750	116	8	EST 100-250/750	ESD 100-250/900	CDL4-14
E-EDJ 750/9-100-122-4	100	122	4	750	130	9	EST 100-250/750	ESD 100-250/900	CDL4-16
E-EDJ 750/11-122-150-5.5	122	150	5.5	750	159	11	EST 80-315/900	ESD 80-315/1100	CDL4-19
E-EDJ 750/14-150-180-5.5	150	180	5.5	750	203	14	ESM 125-350/1100	ESD 125-350/1380	CDL4-22
E-EDJ 1000/8-100-122-5.5	100	122	5.5	1000	116	8	EST 100-250/750	ESD 100-250/900	CDL8-10
E-EDJ 1000/11-150-180-7.5	150	180	7.5	1000	159	11	EST 100-315/1100	ESD 100-315/1380	CDL8-14
E-EDJ 1000/12-150-180-7.5	180	230	7.5	1000	174	12	EST 100-315/1320	ESD 100-315/1700	CDL8-16
E-EDJ 1250/9-150-230-5.5	150	230	5.5	1250	130	9	ESM 125-315/1320	ESD 125-315/1700	CDL8-12
E-EDJ 1250/11-218-258-7.5	218	258	7.5	1250	159	11	ESM 125-315/1600	ESD 125-315/1900	CDL8-14

Other model can provide on request

E-EDJ Fire Fighting System Of ESC

Model	Power HP			Perform			Electric pump	Diesel pump	Jockey pump
				Q	H	H			
	Electric	Diesel	Jocky	GPM	PSI	Bar			
E-EDJ 400/6-30-38-3	30	38	3	400	87	6	ESCM80-210A	ESCD80-210A	CDL4-10
E-EDJ 500/6-40-49-3	40	49	3	500	87	6	ESCM80-210A	ESCD80-210A	CDL4-10
E-EDJ 500/7-50-58-3	50	58	3	500	101	7	ESCM80-270A	ESCD80-270A	CDL4-10
E-EDJ 500/8-60-75-3	60	75	3	500	116	8	ESCM80-270A	ESCD80-270A	CDL4-12
E-EDJ 500/9-60-75-4	60	75	4	500	130	9	ESCM80-270A	ESCD80-270A	CDL4-14
E-EDJ 500/10-75-100-4	75	100	4	500	145	10	ESCM80-270A	ESCD80-270A	CDL4-16
E-EDJ 750/6-60-75-3	60	75	3	750	87	6	ESCM100-250A	ESCD100-250A	CDL4-10
E-EDJ 750/7-75-100-3	75	100	3	750	101	7	ESCM100-250A	ESCD100-250A	CDL4-10
E-EDJ 750/9-100-122-4	100	122	4	750	130	9	ESCM100-310A	ESCD100-310A	CDL4-14
E-EDJ 750/10-100-122-4	100	122	4	750	145	10	ESCM100-310A	ESCD100-310A	CDL4-16
E-EDJ 750/11-122-150-5.5	122	150	5.5	750	159	11	ESCM100-310A	ESCD100-310A	CDL4-19
E-EDJ 750/12-122-150-5.5	122	150	5.5	750	174	12	ESCM100-310A	ESCD100-310A	CDL4-22
E-EDJ 750/13-150-180-5.5	150	180	5.5	750	188	13	ESCM100-310A	ESCD100-310A	CDL4-22
E-EDJ 1000/9-122-150-5.5	122	150	5.5	1000	130	9	ESCM100-310A	ESCD100-310A	CDL8-12
E-EDJ 1000/10-150-180-7.5	150	180	7.5	1000	145	10	ESCM100-310A	ESCD100-310A	CDL8-14
E-EDJ 1000/11-150-180-7.5	150	180	7.5	1000	159	11	ESCM100-310A	ESCD100-310A	CDL8-14
E-EDJ 1000/12-180-231-7.5	180	231	7.5	1000	174	12	ESCM100-310A	ESCD100-310A	CDL8-16
E-EDJ 1000/13-180-231-10	180	231	10	1000	188	13	ESCM100-310A	ESCD100-310A	CDL8-18
E-EDJ 1000/14-180-231-10	180	231	10	1000	203	14	ESCM100-310A	ESCD100-310A	CDL8-18
E-EDJ 1250/6-100-122-4	100	122	4	1250	87	6	ESCM125-230A	ESCD125-230A	CDL8-8
E-EDJ 1250/7-122-150-5.5	122	150	5.5	1250	101	7	ESCM125-230A	ESCD125-230A	CDL8-10
E-EDJ 1250/8-150-180-5.5	150	180	5.5	1250	116	8	ESCM125-290A	ESCD125-290A	CDL8-10
E-EDJ 1250/9-150-180-5.5	150	180	5.5	1250	130	9	ESCM125-290A	ESCD125-290A	CDL8-12
E-EDJ 1250/10-180-231-7.5	180	231	7.5	1250	145	10	ESCM125-290A	ESCD125-290A	CDL8-14
E-EDJ 1250/11-180-231-7.5	180	231	7.5	1250	159	11	ESCM125-290B	ESCD125-290B	CDL8-14
E-EDJ 1250/12-218-258-7.5	218	258	7.5	1250	174	12	ESCM125-290B	ESCD125-290B	CDL8-16
E-EDJ 1500/5-100-120-4	100	120	4	1500	72	5	ESCM150-460A	ESCD150-460A	CDL8-8
E-EDJ 1500/6-122-150-5.5	122	150	5.5	1500	87	6	ESCM150-460A	ESCD150-460A	CDL8-10
E-EDJ 1500/7-150-180-5.5	150	180	5.5	1500	101	7	ESCM150-460A	ESCD150-460A	CDL8-10
E-EDJ 1500/9-180-240-7.5	180	240	7.5	1500	130	9	ESCM150-605A	ESCD150-605A	CDL8-14
E-EDJ 1500/10-218-314-7.5	218	314	7.5	1500	145	10	ESCM150-605A	ESCD150-605A	CDL8-16
E-EDJ 1500/11-218-314-7.5	218	314	7.5	1500	159	11	ESCM150-605A	ESCD150-605A	CDL8-16
E-EDJ 2000/8-218-314-10	218	314	10	2000	116	8	ESCM200-520A	ESCD200-520A	CDL12-10
E-EDJ 2000/9-250-314-10	250	314	10	2000	130	9	ESCM200-520A	ESCD200-520A	CDL12-12

Model	Power HP			Perform			Electric pump	Diesel pump	Jockey pump
				Q	H	H			
	Electric	Diesel	Jocky	GPM	PSI	Bar			
E-EDJ 2000/10-272-314-15	272	314	15	2000	145	10	ESCM200-520A	ESCD200-520A	CDL12-14
E-EDJ 2000/13-340-419-15	340	419	15	2000	188	13	ESCM200-670A	ESCD200-670A	CDL12-16
E-EDJ 2000/14-380-449-15	380	449	15	2000	203	14	ESCM200-670A	ESCD200-670A	CDL12-18
E-EDJ 2000/15-380-449-15	380	449	15	2000	217	15	ESCM200-670A	ESCD200-670A	CDL12-18
E-EDJ 2000/16-428-449-15	428	449	15	2000	232	16	ESCM200-670A	ESCD200-670A	CDL12-18
E-EDJ 2500/6-218-240-7.5	218	240	7.5	2500	87	6	ESCM250-480B	ESCD250-480B	CDL16-6
E-EDJ 2500/7-250-314-10	250	314	10	2500	101	7	ESCM250-480B	ESCD250-480B	CDL16-7
E-EDJ 2500/9-272-374-15	272	374	15	2500	130	9	ESCM250-600A	ESCD250-600A	CDL16-10
E-EDJ 2500/10-340-374-15	340	374	15	2500	145	10	ESCM250-600A	ESCD250-600A	CDL16-10
E-EDJ 3000/6-218-314-10	218	314	10	3000	87	6	ESCM250-480B	ESCD250-480B	CDL20-6
E-EDJ 3000/10-380-449-15	380	449	15	3000	145	10	ESCM250-600A	ESCD250-600A	CDL20-10
E-EDJ 3000/11-428-449-20	428	449	20	3000	159	11	ESCM250-600A	ESCD250-600A	CDL20-12

Other model can provide on request

E-EDJ Fire Fighting System Of EHD

Model	Power HP			Perform			Electric pump	Diesel pump	Jockey pump
				Q	H	H			
	Electric	Diesel	Jocky	GPM	PSI	Bar			
E-EDJ 50/7-10-11-3	10	11	3	50	101	7	EHD12-25*3	ESHD12-25*3	CDL4-10
E-EDJ 50/10-15-19-4	15	19	4	50	145	10	EHD12-25*4	ESHD12-25*4	CDL4-16
E-EDJ 50/12-15-19-5.5	15	19	5.5	50	174	12	EHD12-25*5	ESHD12-25*5	CDL4-19
E-EDJ 50/15-20-27-5.5	20	27	5.5	50	217	15	EHD12-25*6	ESHD12-25*6	CDL4-22
E-EDJ 100/6-15-19-3	15	19	3	100	87	6	EHD25-30*2	ESHD25-30*2	CDL4-10
E-EDJ 100/9-20-27-4	20	27	4	100	130	9	EHD25-30*3	ESHD25-30*3	CDL4-14
E-EDJ 100/12-20-27-5.5	20	27	5.5	100	174	12	EHD25-30*4	ESHD25-30*4	CDL4-19
E-EDJ 100/15-30-38-5.5	30	38	5.5	100	217	15	EHD25-30*5	ESHD25-30*5	CDL4-22
E-EDJ 200/6-20-27-3	20	27	3	200	87	6	EHD46-30*2	ESHD46-30*2	CDL4-10
E-EDJ 200/9-30-38-4	30	38	4	200	130	9	EHD46-30*3	ESHD46-30*3	CDL4-14
E-EDJ 200/12-40-49-5.5	40	49	5.5	200	174	12	EHD46-30*4	ESHD46-30*4	CDL4-19
E-EDJ 200/15-50-58-5.5	50	58	5.5	200	217	15	EHD46-30*5	ESHD46-30*5	CDL4-22
E-EDJ 200/18-50-60-7.5	50	60	7.5	200	261	18	EHD46-30*6	ESHD46-30*6	CDM5-33
E-EDJ 350/9-50-58-4	50	58	4	350	130	9	EHD85-45*2	ESHD85-45*2	CDL4-14
E-EDJ 350/13-75-75-5.5	75	75	5.5	350	174	13	EHD85-45*3	ESHD85-45*3	CDL4-19
E-EDJ 350/18-100-100-5.5	100	100	5.5	350	217	18	EHD85-45*4	ESHD85-45*4	CDL4-22
E-EDJ 350/22-122-122-7.5	122	122	7.5	350	261	22	EHD85-45*5	ESHD85-45*5	CDM5-33
E-EDJ 500/10-75-100-4	75	100	4	500	145	10	EHD120-50*2	ESHD120-50*2	CDL4-16
E-EDJ 500/15-122-122-5.5	122	122	5.5	500	217	15	EHD120-50*3	ESHD120-50*3	CDL4-22
E-EDJ 500/20-150-180-7.5	150	180	7.5	500	290	20	EHD120-50*4	ESHD120-50*4	CDM5-33
E-EDJ 750/12-122-150-5.5	122	150	5.5	750	174	12	EHD155-67*2	ESHD155-67*2	CDL4-19
E-EDJ 1250/8-150-180-5.5	150	180	5.5	1250	116	8	EHD280-43*2	ESHD280-43*2	CDL8-10
E-EDJ 1250/13-218-314-7.5	218	314	7.5	1250	188	13	EHD280-43*3	ESHD280-43*3	CDL8-16
E-EDJ 1250/17-272-374-10	272	374	10	1250	246	17	EHD280-43*4	ESHD280-43*4	CDM10-20
E-EDJ 1500/8-180-180-5.5	180	180	5.5	1500	116	8	EHD360-40*2	ESHD360-40*2	CDL8-12
E-EDJ 1500/12-252-314-10	252	314	10	1500	174	12	EHD360-40*3	ESHD360-40*3	CDL8-18
E-EDJ 1500/16-340-419-15	340	419	15	1500	232	16	EHD360-40*4	ESHD360-40*4	CDL12-18
E-EDJ 2000/12-340-374-15	340	374	15	2000	174	12	EHD450-60*2	ESHD450-60*2	CDL12-16
E-EDJ 2000/18-483-600-20	483	600	20	2000	261	18	EHD450-60*3	ESHD450-60*3	CDM15-17
E-EDJ 2500/10-340-374-15	340	374	15	2500	145	10	EHD550-50*2	ESHD550-50*2	CDL16-10
E-EDJ 2500/15-483-600-20	483	600	20	2500	217	15	EHD550-50*3	ESHD550-50*3	CDL16-16

Other model can provide on request

Fire pump system accessories

Control Panel

Pressure Tank

Suction And Discharge Line

Flexible Joint

Gate Valve

Check Valve

Brass Gate Valve

Pressure Switch

Pressure Gauge

Fire Pump Control Panel is the Pump System brain that designed to Control & Monitor the operation of the Electric, Diesel, and Jockey Pumps Drivers, and makes up pumps for both Manual & Automatic modes, as well as turns pumps drivers ON/OFF under specific conditions.
The Fire Pump Package Controller detects signals through set of built in switches that reflect the system Pressure & Flow status enabling fire pump package drivers (Electrical /Diesel /Jockey) to operate in case of pressure in the system is lower than set point, as well as operating the stand by driver due to power failure and/or substantial drop in pressure.
Fire Pumps Series Controllers are pre-wired, tested before delivery and made ready for immediate usage.