Equipment and solutions

CDLF Vertical Multistage Pump

Product technical datasheet

Vertical multistage in-line centrifugal pumps for clean liquids, suitable for pressurization, washing systems and water treatment.

FT-P099 · Rev. 1

The CDLF series consists of vertical multistage centrifugal pumps with in-line design. This construction allows the pump to be installed in a horizontal piping system where the suction and discharge ports are at the same level and have the same connection size. These pumps are.

Applications

- Industrial processes and liquid transfer.
- Hydraulic pressure systems
- Water treatment
- Agricultural irrigation
- Water circulation systems
- Washing and cleaning systems
- Boiler feed

Operating conditions

- Highly reliable vertical multistage pumps
- In-line design for easier pipe installation
- Stainless steel hydraulics for increased durability
- Cartridge mechanical seal for easier maintenance
- Strong cast iron base for vibration stability
- Never run the pump dry. Not even for a short trial run.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Type
Multistage centrifugal pump

Standard
In-line / DIN

Material
AISI 304 stainless steel / cast iron (base)

Voltage
220-240V (1~) / 380-415V (3~)

Max Flow
240 m³/h

Max Head
305 m

Protection
IP 55

Insulation
Class F

Liquid temp.
-15°C to +120°C

Maximum Pressure
30 bar / PN30

Nominal Speed
2900 rpm

Standards
CE / ISO 9906

Mechanical Seal
ALLOY/SIC/NBR (Cartridge)

Motor Efficiency
IE3 (high efficiency)

Connection Code
F (Flange DIN)

Applications

- Industrial processes and liquid transfer.
- Hydraulic pressure systems
- Water treatment
- Agricultural irrigation
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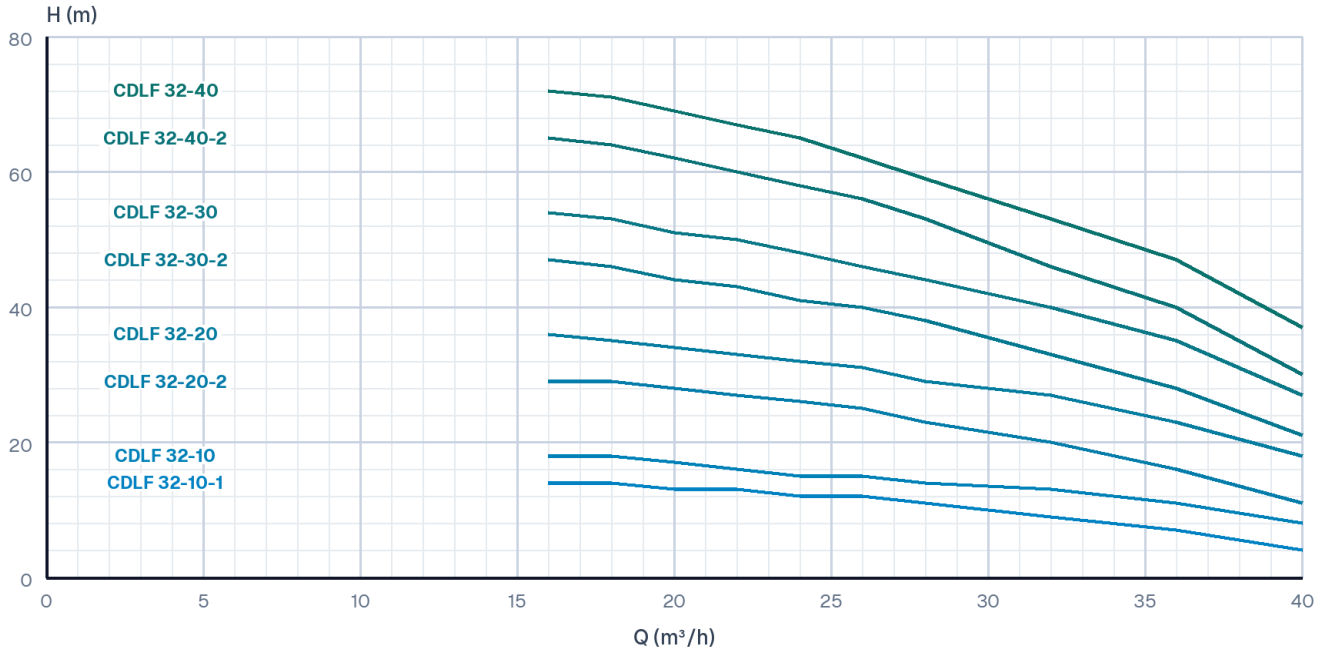
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Engineering note Confirm the installation conditions, power supply and duty point before commissioning.

Series CDLF 32 (3~ 400V) · 10-1–40

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 32-10-1	1,5	2	3,2
CDLF 32-10	2,2	3	4,6
CDLF 32-20-2	3	4	6
CDLF 32-20	4	5,5	7,8

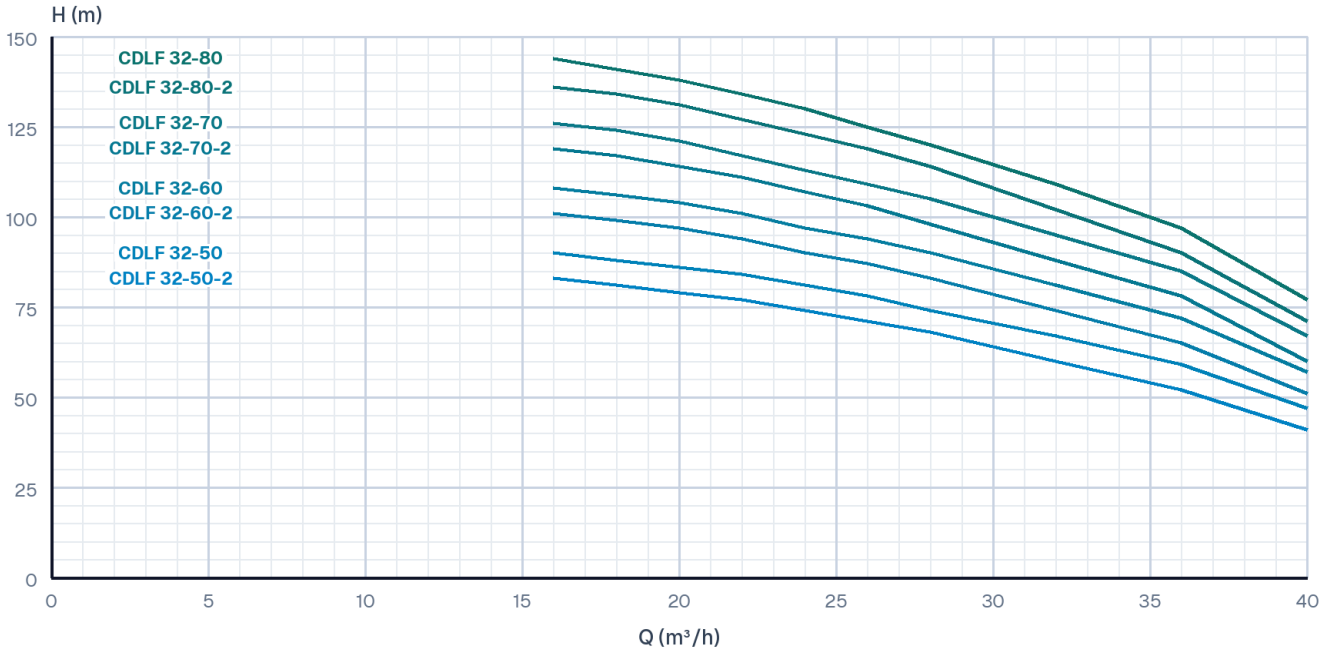
Model	kW	HP	A (400 V)
CDLF 32-30-2	5,5	7,5	11
CDLF 32-30	5,5	7,5	11
CDLF 32-40-2	7,5	10	14
CDLF 32-40	7,5	10	14

Hydraulic performance

	Q · Flow (m³/h)									
Model	16	18	20	22	24	26	28	32	36	40
CDLF 32-10-1	14	14	13	13	12	12	11	9	7	4
CDLF 32-10	18	18	17	16	15	15	14	13	11	8
CDLF 32-20-2	29	29	28	27	26	25	23	20	16	11
CDLF 32-20	36	35	34	33	32	31	29	27	23	18
CDLF 32-30-2	47	46	44	43	41	40	38	33	28	21
CDLF 32-30	54	53	51	50	48	46	44	40	35	27
CDLF 32-40-2	65	64	62	60	58	56	53	46	40	30
CDLF 32-40	72	71	69	67	65	62	59	53	47	37

Series CDLF 32 (3~ 400V) · 50-2–80

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 32-50-2	11	15	21
CDLF 32-50	11	15	21
CDLF 32-60-2	11	15	21
CDLF 32-60	11	15	21

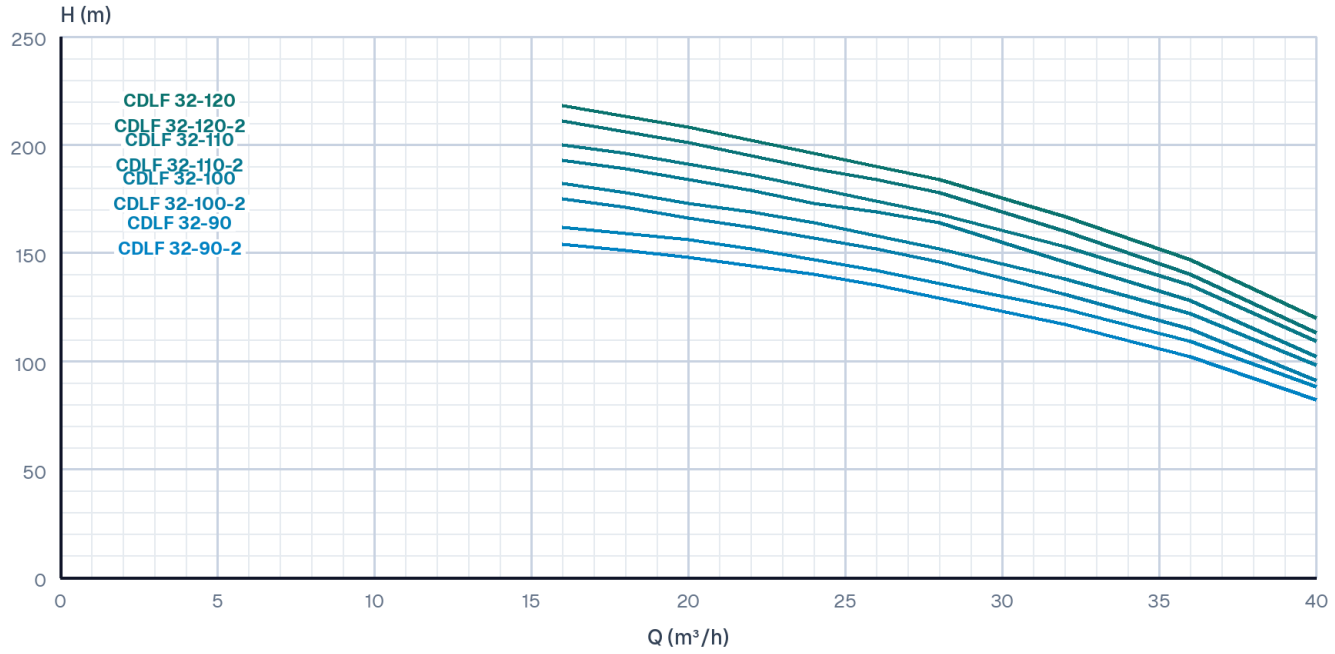
Model	kW	HP	A (400 V)
CDLF 32-70-2	15	20	28
CDLF 32-70	15	20	28
CDLF 32-80-2	15	20	28
CDLF 32-80	15	20	28

Hydraulic performance

	Q · Flow (m³/h)									
Model	16	18	20	22	24	26	28	32	36	40
CDLF 32-50-2	83	81	79	77	74	71	68	60	52	41
CDLF 32-50	90	88	86	84	81	78	74	67	59	47
CDLF 32-60-2	101	99	97	94	90	87	83	74	65	51
CDLF 32-60	108	106	104	101	97	94	90	81	72	57
CDLF 32-70-2	119	117	114	111	107	103	98	88	78	60
CDLF 32-70	126	124	121	117	113	109	105	95	85	67
CDLF 32-80-2	136	134	131	127	123	119	114	102	90	71
CDLF 32-80	144	141	138	134	130	125	120	109	97	77

Series CDLF 32 (3~ 400V) · 90-2–120

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 32-90-2	19	25	34
CDLF 32-90	19	25	34
CDLF 32-100-2	19	25	34
CDLF 32-100	19	25	34

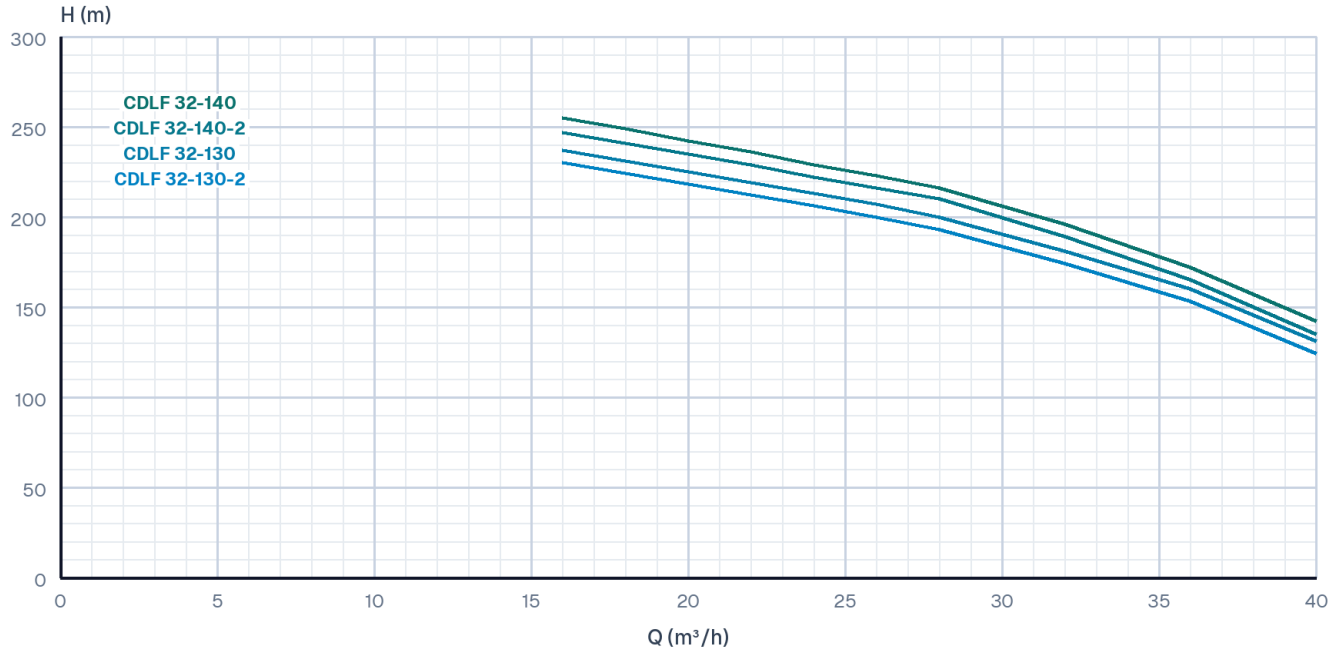
Model	kW	HP	A (400 V)
CDLF 32-110-2	22	30	41
CDLF 32-110	22	30	41
CDLF 32-120-2	22	30	41
CDLF 32-120	22	30	41

Hydraulic performance

	Q · Flow (m³/h)									
Model	16	18	20	22	24	26	28	32	36	40
CDLF 32-90-2	154	151	148	144	140	135	129	117	102	82
CDLF 32-90	162	159	156	152	147	142	136	124	109	88
CDLF 32-100-2	175	171	166	162	157	152	146	131	115	91
CDLF 32-100	182	178	173	169	164	158	152	138	122	98
CDLF 32-110-2	193	189	184	179	173	169	164	146	128	102
CDLF 32-110	200	196	191	186	180	174	168	153	135	109
CDLF 32-120-2	211	206	201	195	189	184	178	160	140	113
CDLF 32-120	218	213	208	202	196	190	184	167	147	120

Series CDLF 32 (3~ 400V) · 130-2–140

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 32-130-2	30	40	55
CDLF 32-130	30	40	55
CDLF 32-140-2	30	40	55
CDLF 32-140	30	40	55

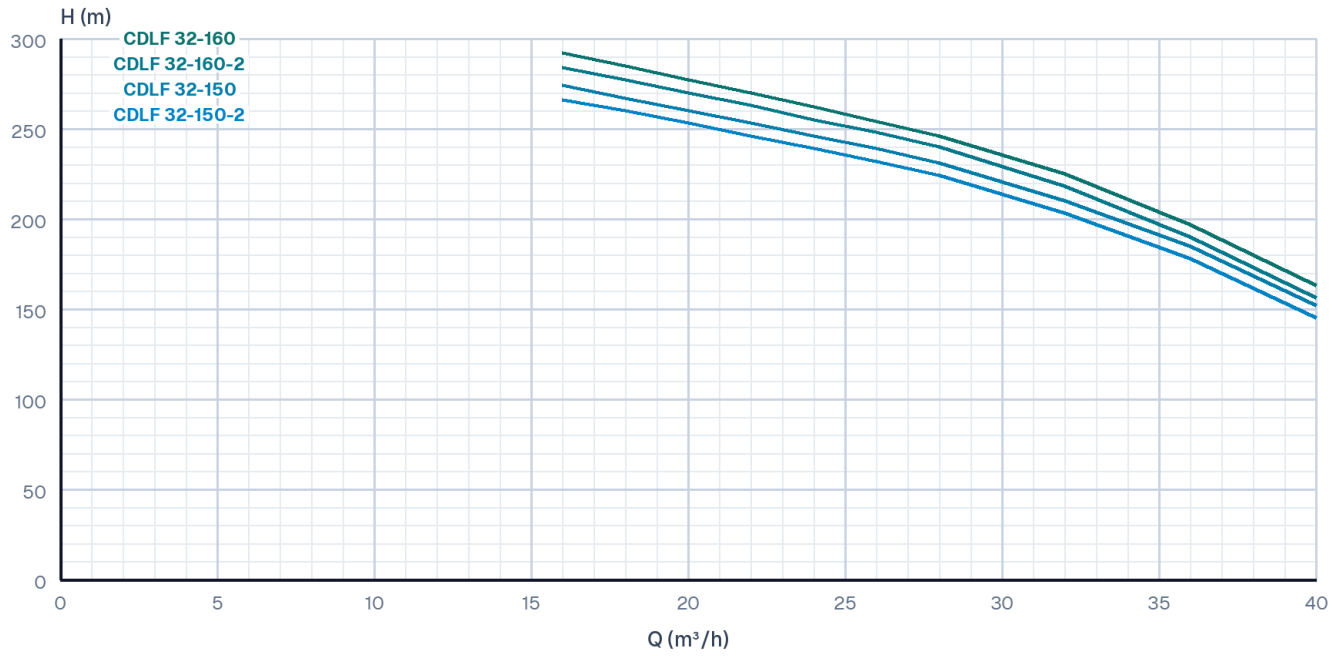
Hydraulic performance

	Q · Flow (m³/h)									
Model	16	18	20	22	24	26	28	32	36	40
CDLF 32-130-2	230	224	218	212	206	200	193	174	153	124
CDLF 32-130	237	231	225	219	213	207	200	181	160	131
CDLF 32-140-2	247	241	235	229	222	216	210	189	165	135
CDLF 32-140	255	249	242	236	229	223	216	196	172	142

Select the duty point at the intersection of Q and H.

Series CDLF 32 (3~ 400V) · 150-2–160

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 32-150-2	30	40	54,9
CDLF 32-150	30	40	54,9
CDLF 32-160-2	30	40	54,9
CDLF 32-160	30	40	54,9

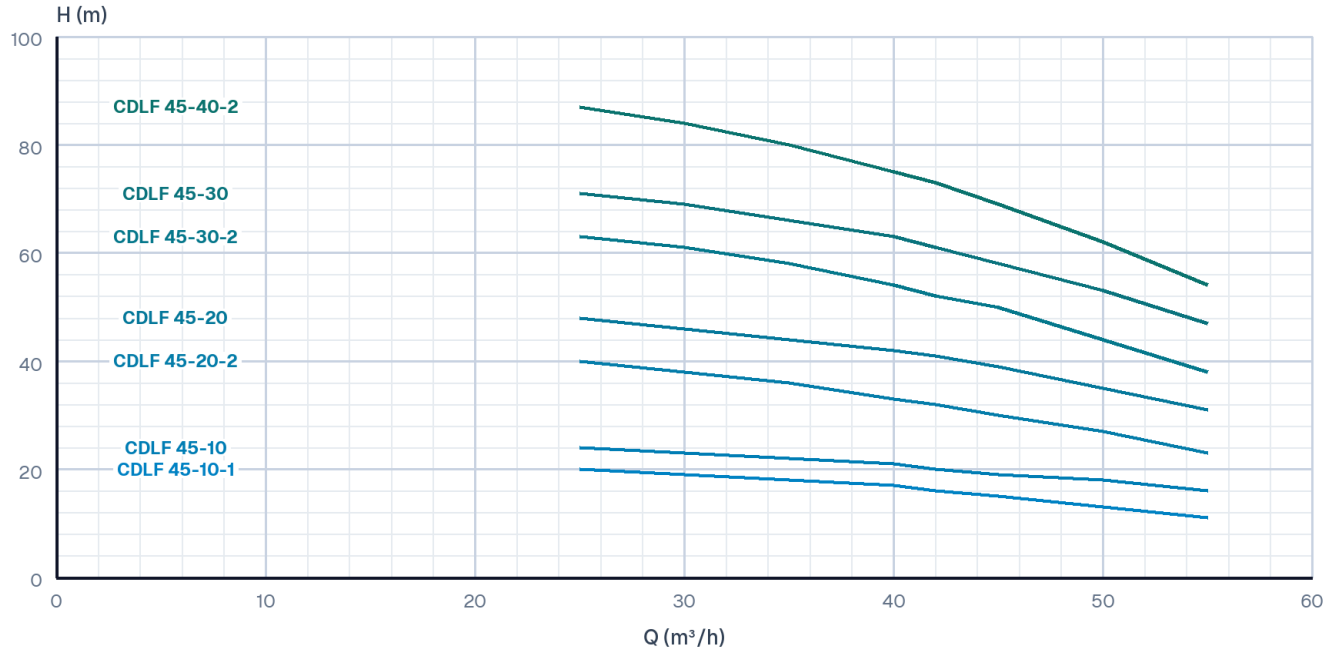
Hydraulic performance

	Q · Flow (m³/h)									
Model	16	18	20	22	24	26	28	32	36	40
CDLF 32-150-2	266	260	253	246	239	232	224	203	178	145
CDLF 32-150	274	267	260	253	246	239	231	210	185	152
CDLF 32-160-2	284	277	270	263	255	248	240	218	190	156
CDLF 32-160	292	285	277	270	262	254	246	225	197	163

Select the duty point at the intersection of Q and H.

Series CDLF 45 (3~ 400V) · 10-1–40-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 45-10-1	3	4	6
CDLF 45-10	4	5,5	7,8
CDLF 45-20-2	5,5	7,5	10,6
CDLF 45-20	7,5	10	14,4

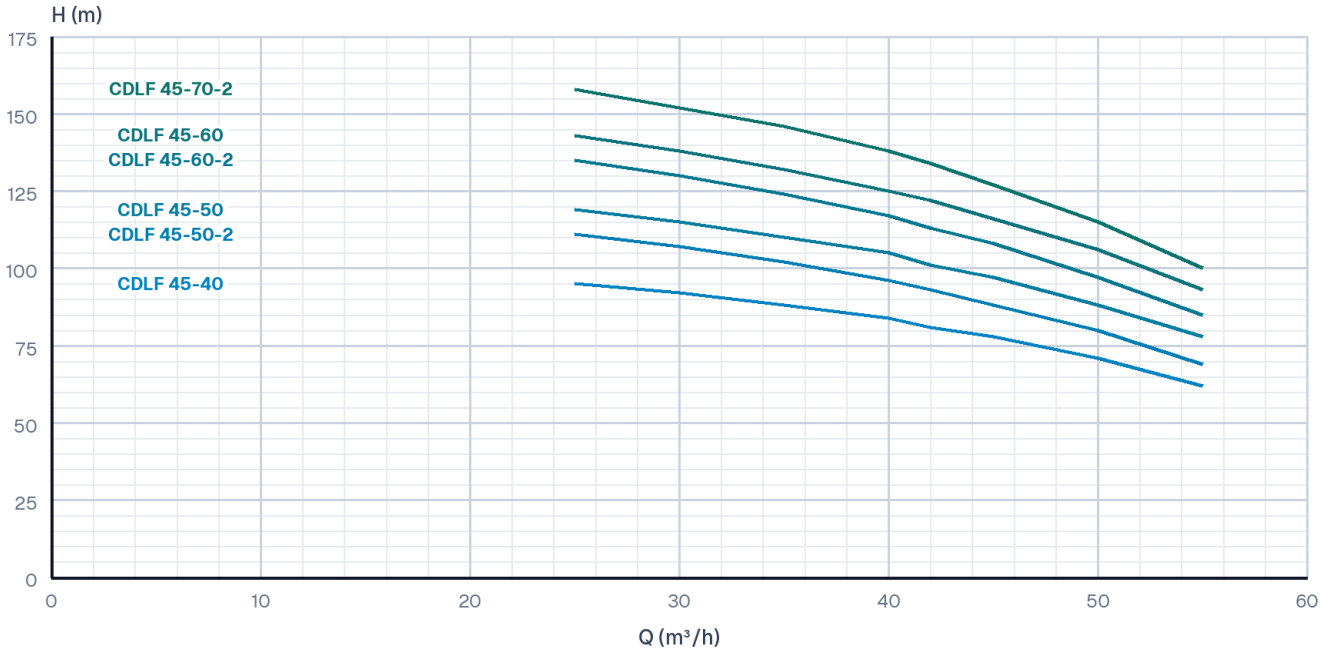
Model	kW	HP	A (400 V)
CDLF 45-30-2	11	15	20,6
CDLF 45-30	11	15	20,6
CDLF 45-40-2	15	20	27,9

Hydraulic performance

	Q · Flow (m³/h)							
Model	25	30	35	40	42	45	50	55
CDLF 45-10-1	20	19	18	17	16	15	13	11
CDLF 45-10	24	23	22	21	20	19	18	16
CDLF 45-20-2	40	38	36	33	32	30	27	23
CDLF 45-20	48	46	44	42	41	39	35	31
CDLF 45-30-2	63	61	58	54	52	50	44	38
CDLF 45-30	71	69	66	63	61	58	53	47
CDLF 45-40-2	87	84	80	75	73	69	62	54

Series CDLF 45 (3~ 400V) · 40–70-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 45-40	15	20	27,9
CDLF 45-50-2	18,5	25	34,2
CDLF 45-50	18,5	25	34,2

Model	kW	HP	A (400 V)
CDLF 45-60-2	22	30	40,5
CDLF 45-60	22	30	40,5
CDLF 45-70-2	30	40	54,9

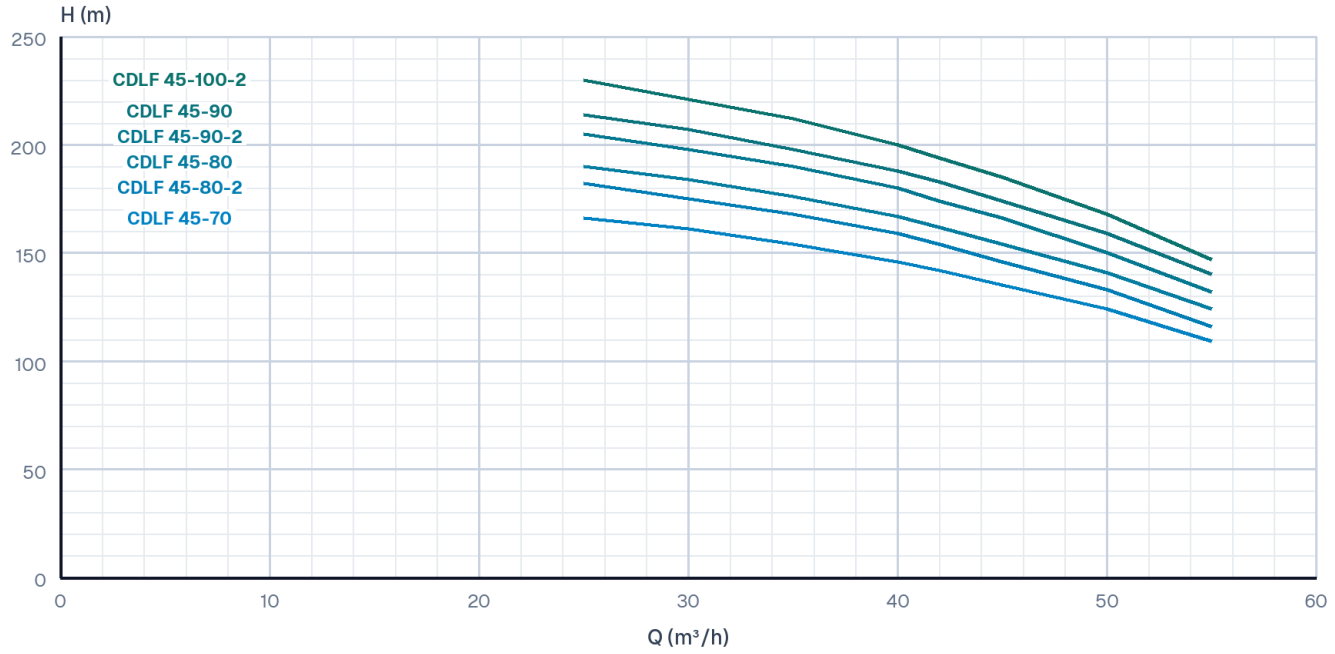
Hydraulic performance

	Q · Flow (m³/h)							
Model	25	30	35	40	42	45	50	55
CDLF 45-40	95	92	88	84	81	78	71	62
CDLF 45-50-2	111	107	102	96	93	88	80	69
CDLF 45-50	119	115	110	105	101	97	88	78
CDLF 45-60-2	135	130	124	117	113	108	97	85
CDLF 45-60	143	138	132	125	122	116	106	93
CDLF 45-70-2	158	152	146	138	134	127	115	100

Select the duty point at the intersection of Q and H.

Series CDLF 45 (3~ 400V) · 70–100-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 45-70	30	40	54,9
CDLF 45-80-2	30	40	54,9
CDLF 45-80	30	40	54,9

Model	kW	HP	A (400 V)
CDLF 45-90-2	30	40	54,9
CDLF 45-90	37	50	67,4
CDLF 45-100-2	37	50	67,4

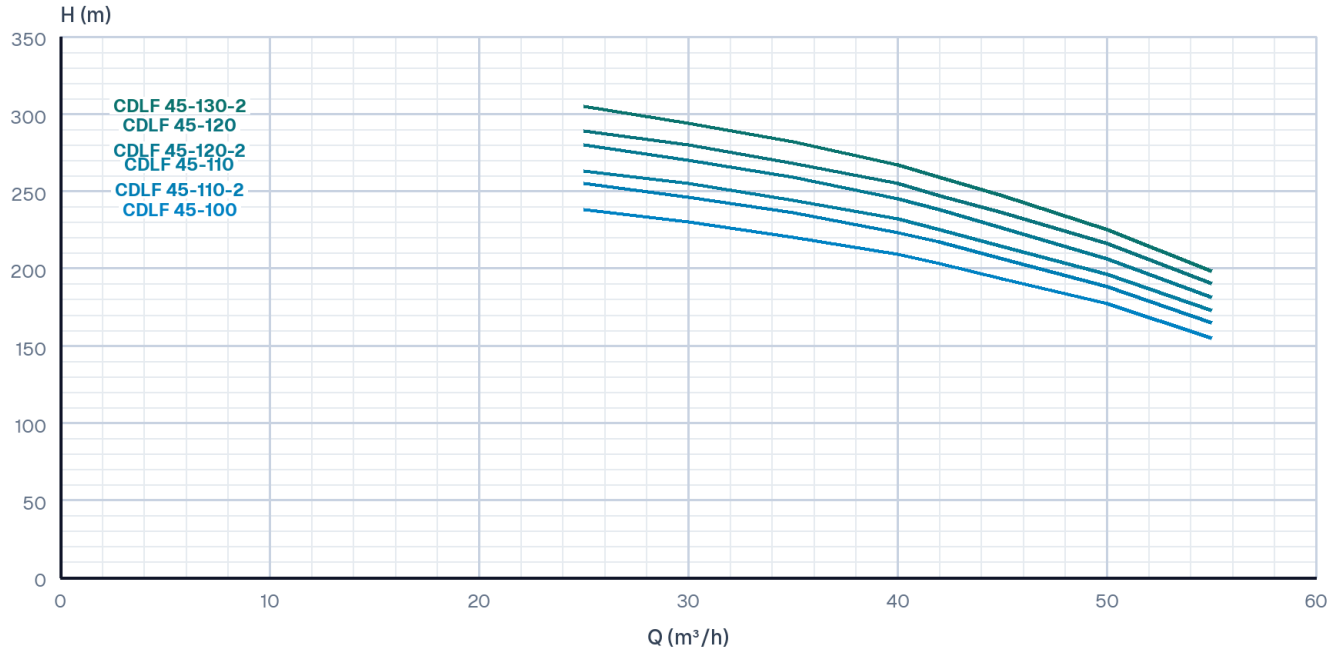
Hydraulic performance

	Q · Flow (m³/h)							
Model	25	30	35	40	42	45	50	55
CDLF 45-70	166	161	154	146	142	135	124	109
CDLF 45-80-2	182	175	168	159	154	146	133	116
CDLF 45-80	190	184	176	167	162	154	141	124
CDLF 45-90-2	205	198	190	180	174	166	150	132
CDLF 45-90	214	207	198	188	183	174	159	140
CDLF 45-100-2	230	221	212	200	194	185	168	147

Select the duty point at the intersection of Q and H.

Series CDLF 45 (3~ 400V) · 100–130-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF 45-100	37	50	67,4
CDLF 45-110-2	45	60	80,8
CDLF 45-110	45	60	80,8

Model	kW	HP	A (400 V)
CDLF 45-120-2	45	60	80,8
CDLF 45-120	45	60	80,8
CDLF 45-130-2	45	60	80,8

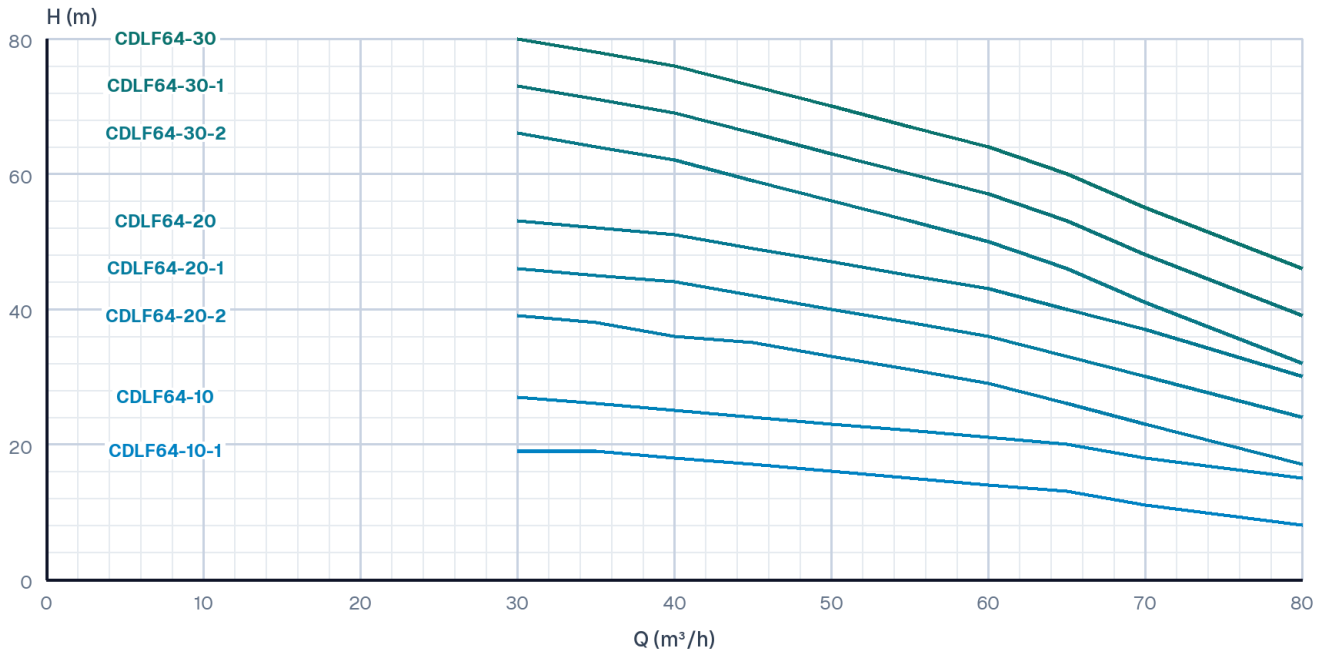
Hydraulic performance

	Q · Flow (m³/h)							
Model	25	30	35	40	42	45	50	55
CDLF 45-100	238	230	220	209	203	193	177	155
CDLF 45-110-2	255	246	236	223	217	206	188	165
CDLF 45-110	263	255	244	232	225	214	196	173
CDLF 45-120-2	280	270	259	245	238	226	206	181
CDLF 45-120	289	280	268	255	247	236	216	190
CDLF 45-130-2	305	294	282	267	259	247	225	198

Select the duty point at the intersection of Q and H.

Series CDLF 64 (3~ 400V) · 10-1–30

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF64-10-1	4	5,5	7,8
CDLF64-10	5,5	7,5	10,6
CDLF64-20-2	7,5	10	14,4
CDLF64-20-1	11	15	20,6

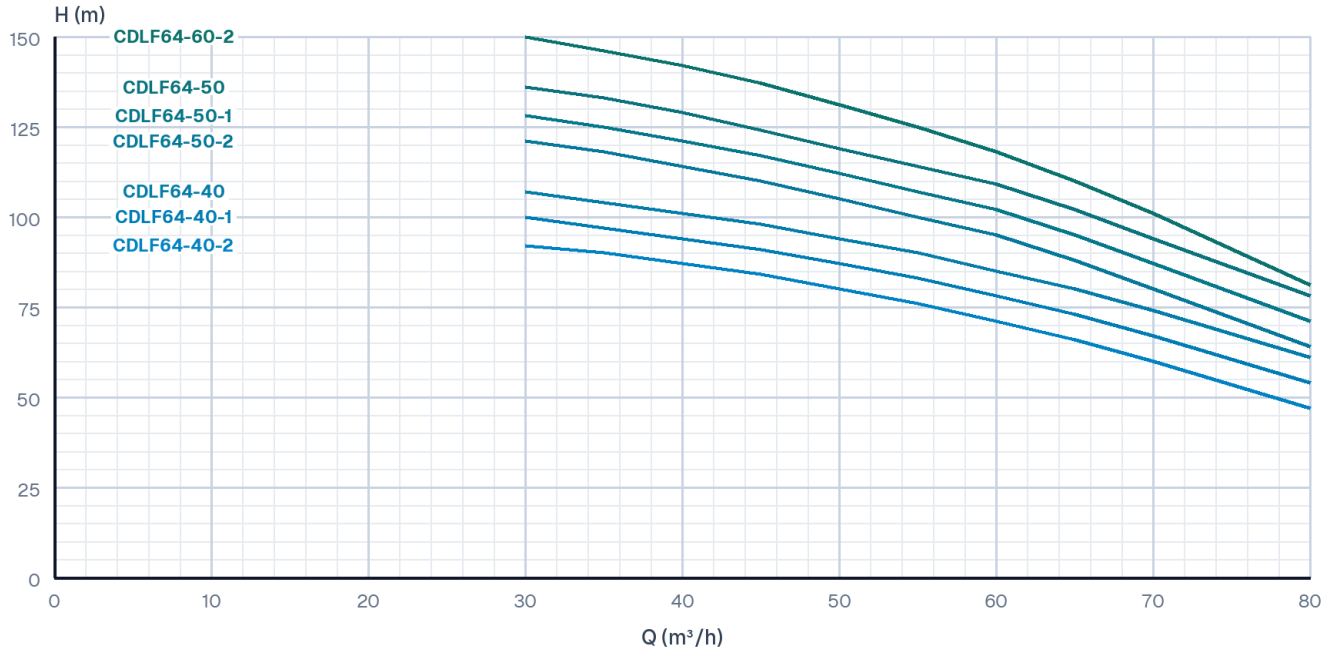
Model	kW	HP	A (400 V)
CDLF64-20	11	15	20,6
CDLF64-30-2	15	20	27,9
CDLF64-30-1	15	20	27,9
CDLF64-30	18,5	25	34,2

Hydraulic performance

	Q · Flow (m³/h)									
Model	30	35	40	45	50	55	60	65	70	80
CDLF64-10-1	19	19	18	17	16	15	14	13	11	8
CDLF64-10	27	26	25	24	23	22	21	20	18	15
CDLF64-20-2	39	38	36	35	33	31	29	26	23	17
CDLF64-20-1	46	45	44	42	40	38	36	33	30	24
CDLF64-20	53	52	51	49	47	45	43	40	37	30
CDLF64-30-2	66	64	62	59	56	53	50	46	41	32
CDLF64-30-1	73	71	69	66	63	60	57	53	48	39
CDLF64-30	80	78	76	73	70	67	64	60	55	46

Series CDLF 64 (3~ 400V) · 40-2–60-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF64-40-2	18,5	25	34,2
CDLF64-40-1	22	30	40,5
CDLF64-40	22	30	40,5
CDLF64-50-2	30	40	54,9

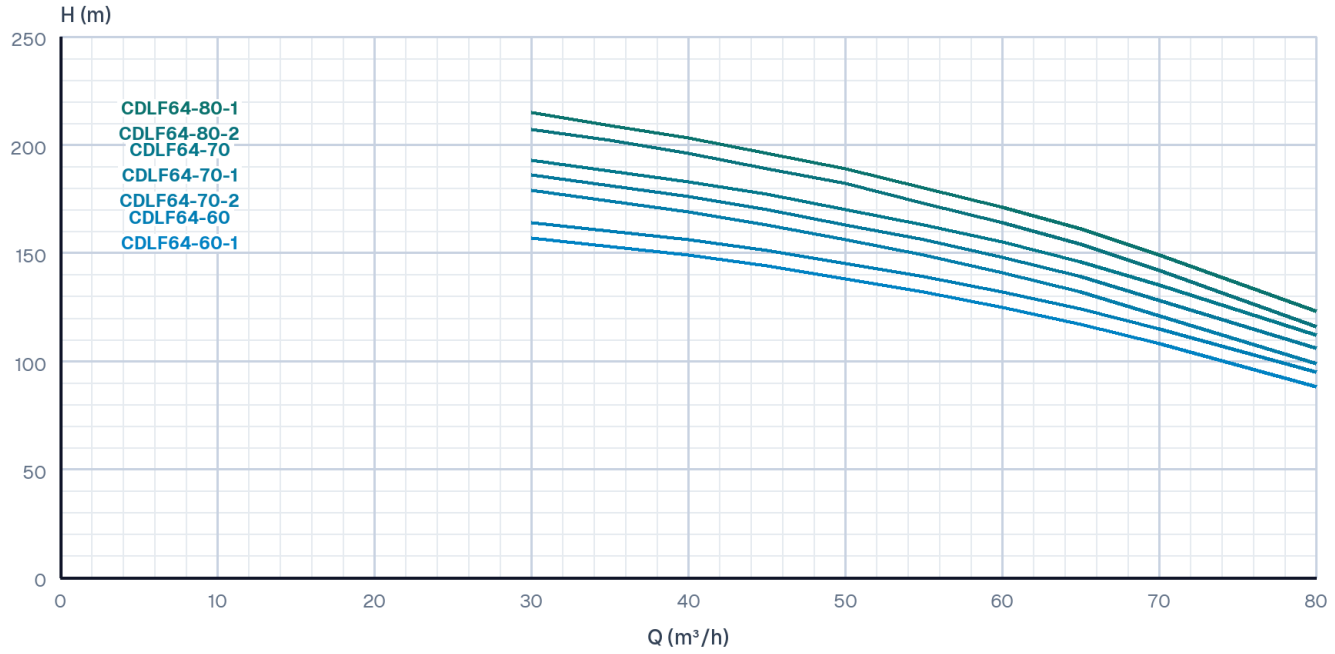
Model	kW	HP	A (400 V)
CDLF64-50-1	30	40	54,9
CDLF64-50	30	40	54,9
CDLF64-60-2	30	40	54,9

Hydraulic performance

	Q · Flow (m³/h)									
Model	30	35	40	45	50	55	60	65	70	80
CDLF64-40-2	92	90	87	84	80	76	71	66	60	47
CDLF64-40-1	100	97	94	91	87	83	78	73	67	54
CDLF64-40	107	104	101	98	94	90	85	80	74	61
CDLF64-50-2	121	118	114	110	105	100	95	88	80	64
CDLF64-50-1	128	125	121	117	112	107	102	95	87	71
CDLF64-50	136	133	129	124	119	114	109	102	94	78
CDLF64-60-2	150	146	142	137	131	125	118	110	101	81

Series CDLF 64 (3~ 400V) · 60-1–80-1

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF64-60-1	37	50	67,4
CDLF64-60	37	50	67,4
CDLF64-70-2	37	50	67,4
CDLF64-70-1	37	50	67,4

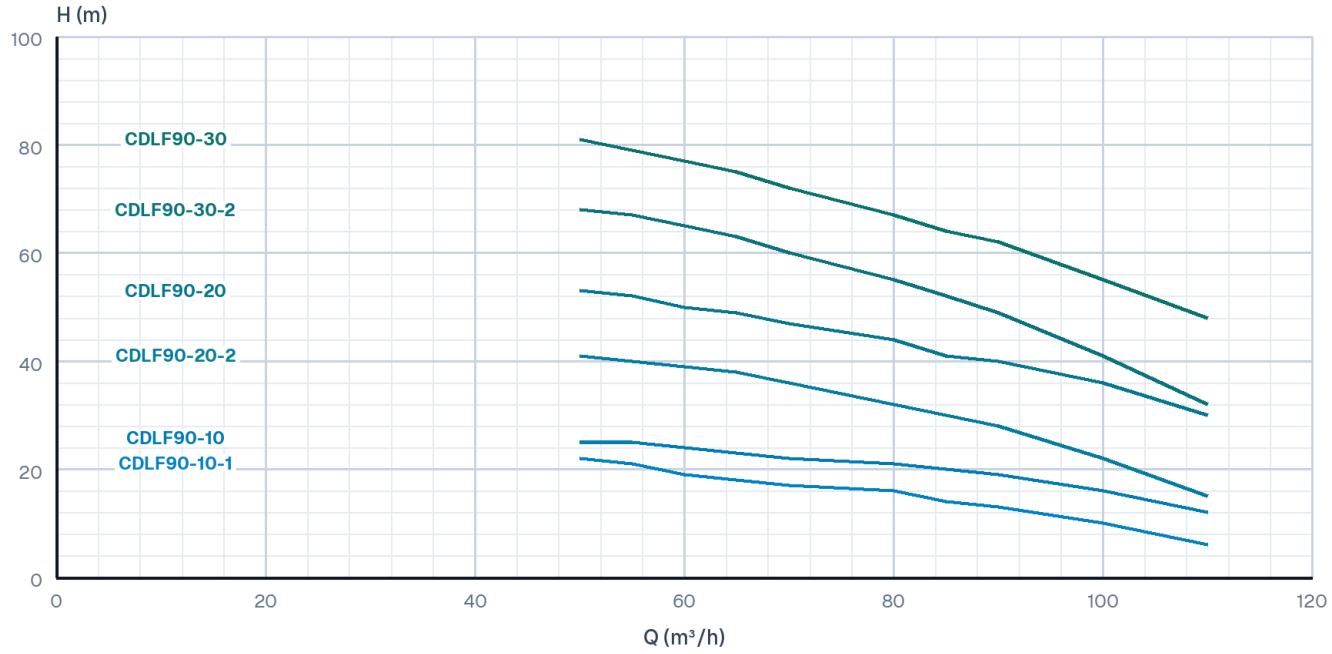
Model	kW	HP	A (400 V)
CDLF64-70	45	60	80,8
CDLF64-80-2	45	60	80,8
CDLF64-80-1	45	60	80,8

Hydraulic performance

	Q · Flow (m³/h)									
Model	30	35	40	45	50	55	60	65	70	80
CDLF64-60-1	157	153	149	144	138	132	125	117	108	88
CDLF64-60	164	160	156	151	145	139	132	124	115	95
CDLF64-70-2	179	174	169	163	156	149	141	132	121	99
CDLF64-70-1	186	181	176	170	163	156	148	139	128	106
CDLF64-70	193	188	183	177	170	163	155	146	135	112
CDLF64-80-2	207	202	196	189	182	173	164	154	142	116
CDLF64-80-1	215	209	203	196	189	180	171	161	149	123

Series CDLF 90 (3~ 400V) · 10-1–30

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF90-10-1	5,5	7,5	10,6
CDLF90-10	7,5	10	14,4
CDLF90-20-2	11	15	20,6

Model	kW	HP	A (400 V)
CDLF90-20	15	20	27,9
CDLF90-30-2	18,5	25	34,2
CDLF90-30	22	30	40,5

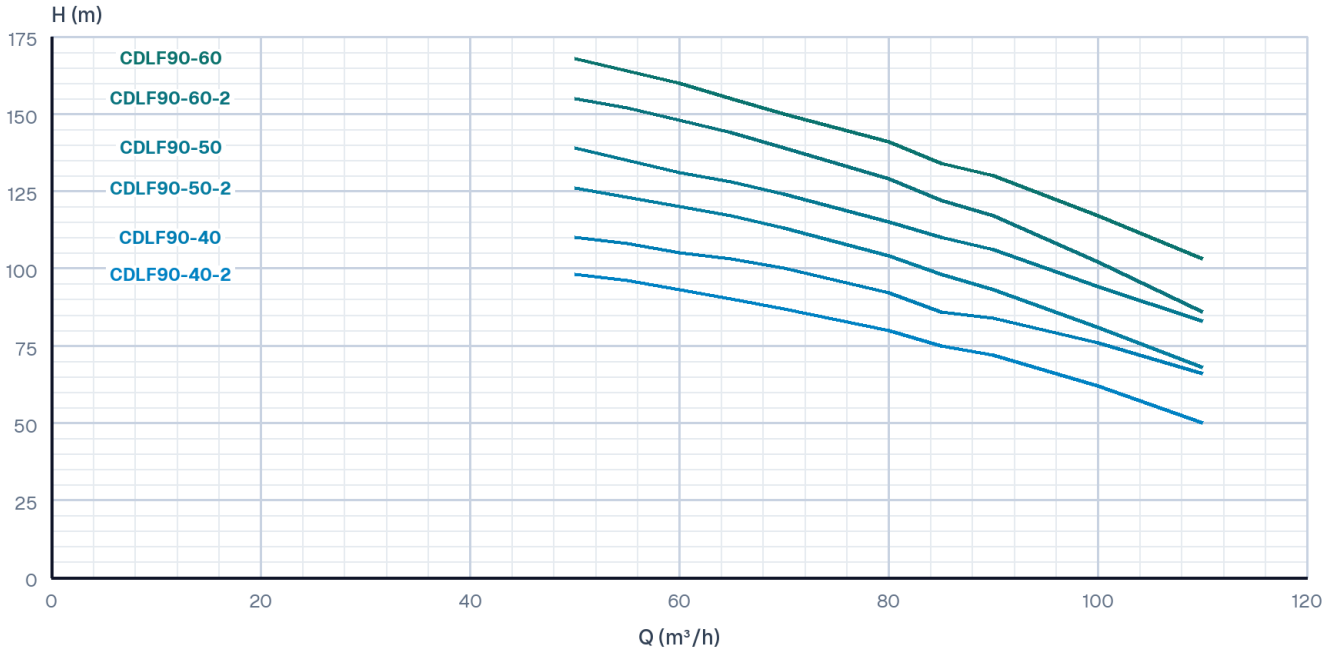
Hydraulic performance

	Q · Flow (m³/h)									
Model	50	55	60	65	70	80	85	90	100	110
CDLF90-10-1	22	21	19	18	17	16	14	13	10	6
CDLF90-10	25	25	24	23	22	21	20	19	16	12
CDLF90-20-2	41	40	39	38	36	32	30	28	22	15
CDLF90-20	53	52	50	49	47	44	41	40	36	30
CDLF90-30-2	68	67	65	63	60	55	52	49	41	32
CDLF90-30	81	79	77	75	72	67	64	62	55	48

Select the duty point at the intersection of Q and H.

Series CDLF 90 (3~ 400V) · 40-2–60

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF90-40-2	30	40	54,9
CDLF90-40	30	40	54,9
CDLF90-50-2	37	50	67,4

Model	kW	HP	A (400 V)
CDLF90-50	37	50	67,4
CDLF90-60-2	45	60	80,8
CDLF90-60	45	60	80,8

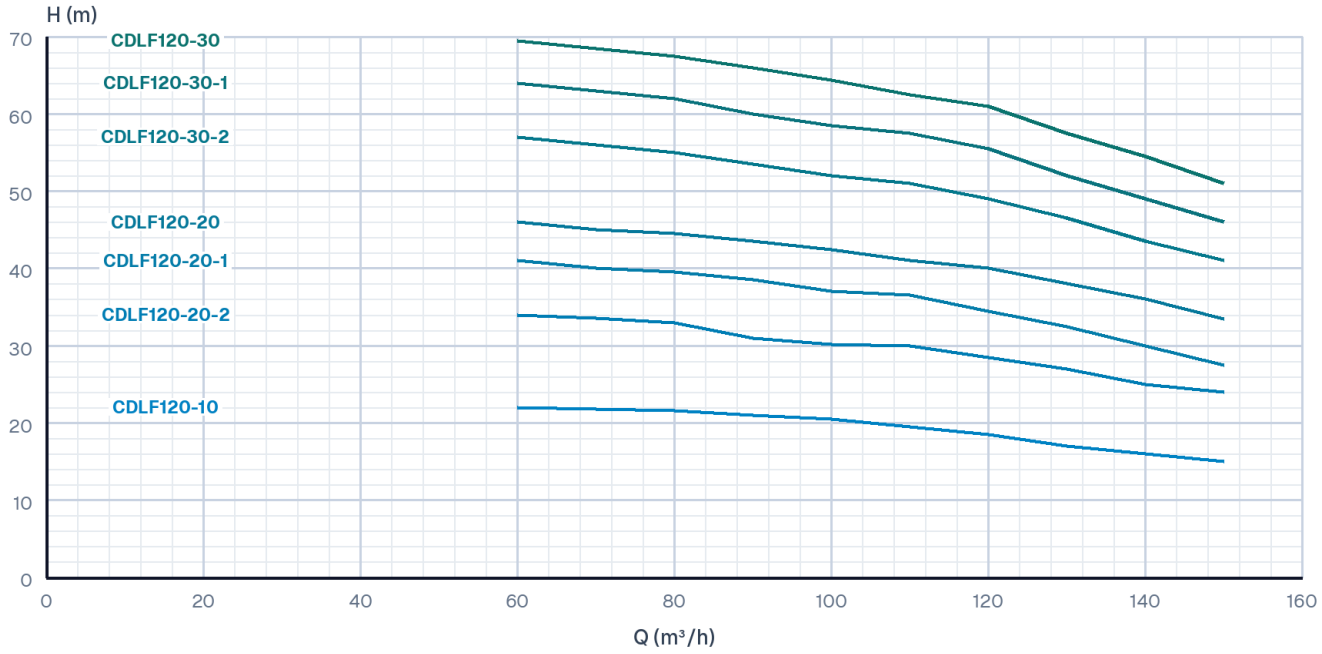
Hydraulic performance

	Q · Flow (m³/h)									
Model	50	55	60	65	70	80	85	90	100	110
CDLF90-40-2	98	96	93	90	87	80	75	72	62	50
CDLF90-40	110	108	105	103	100	92	86	84	76	66
CDLF90-50-2	126	123	120	117	113	104	98	93	81	68
CDLF90-50	139	135	131	128	124	115	110	106	94	83
CDLF90-60-2	155	152	148	144	139	129	122	117	102	86
CDLF90-60	168	164	160	155	150	141	134	130	117	103

Select the duty point at the intersection of Q and H.

Series CDLF 120 (3~ 400V) · 10–30

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF120-10	11	15	20,6
CDLF120-20-2	15	20	27,9
CDLF120-20-1	18,5	25	34,2
CDLF120-20	22	30	40,5

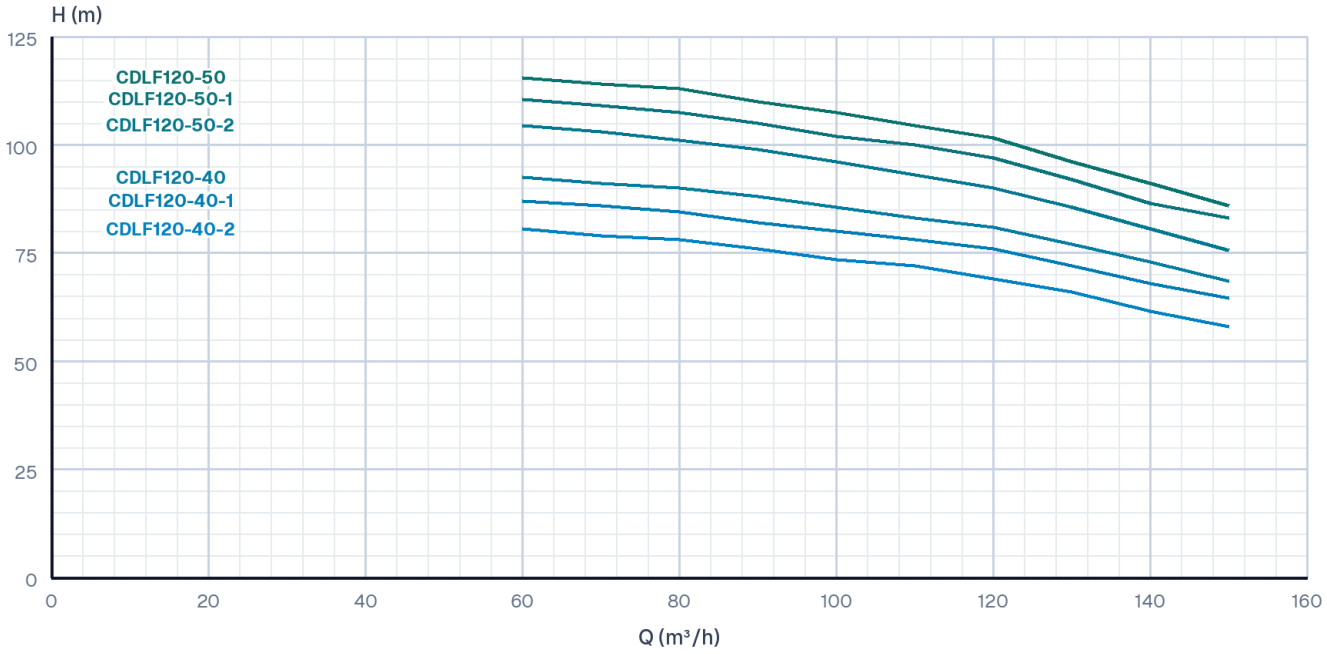
Model	kW	HP	A (400 V)
CDLF120-30-2	30	40	54,9
CDLF120-30-1	30	40	54,9
CDLF120-30	30	40	54,9

Hydraulic performance

	Q · Flow (m³/h)									
Model	60	70	80	90	100	110	120	130	140	150
CDLF120-10	22	21,8	21,6	21	20,5	19,5	18,5	17	16	15
CDLF120-20-2	34	33,6	33	31	30,2	30	28,5	27	25	24
CDLF120-20-1	41	40	39,5	38,5	37	36,5	34,5	32,5	30	27,5
CDLF120-20	46	45	44,5	43,5	42,4	41	40	38	36	33,5
CDLF120-30-2	57	56	55	53,5	52	51	49	46,5	43,5	41
CDLF120-30-1	64	63	62	60	58,5	57,5	55,5	52	49	46
CDLF120-30	69,5	68,5	67,5	66	64,4	62,5	61	57,5	54,5	51

Series CDLF 120 (3~ 400V) · 40-2–50

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF120-40-2	37	50	67,4
CDLF120-40-1	37	50	67,4
CDLF120-40	45	60	80,8

Model	kW	HP	A (400 V)
CDLF120-50-2	45	60	80,8
CDLF120-50-1	45	60	80,8
CDLF120-50	55	75	98,5

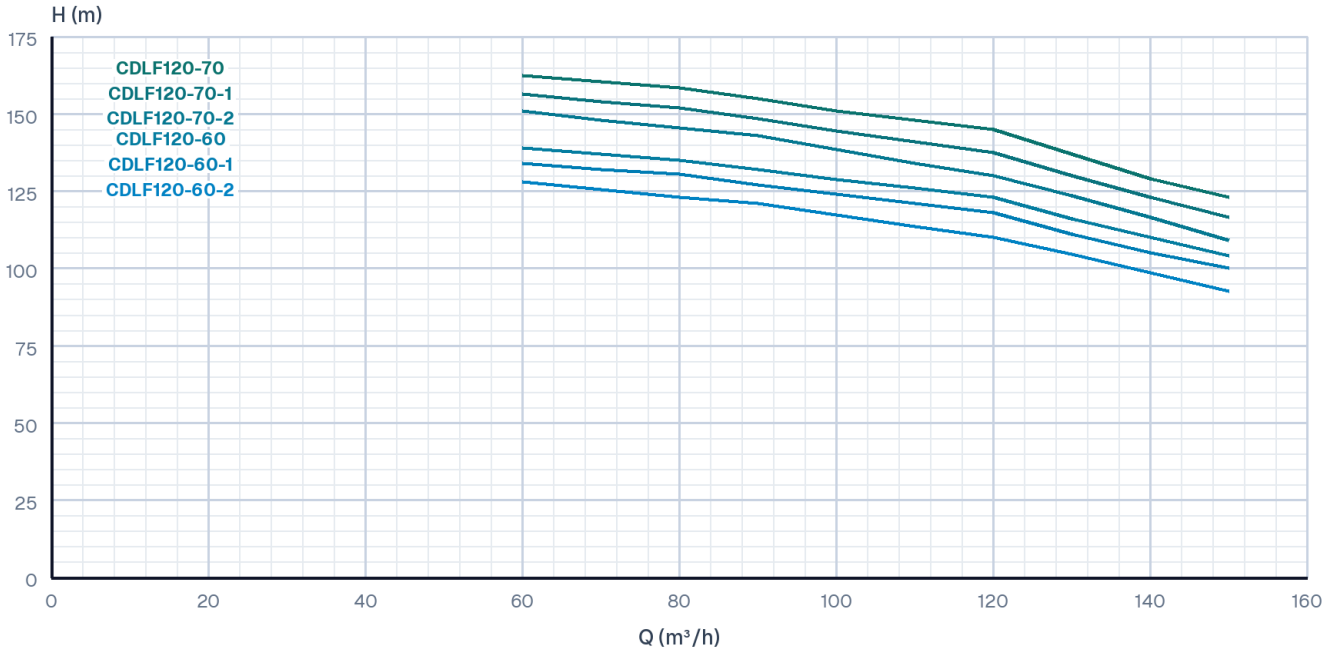
Hydraulic performance

	Q · Flow (m³/h)									
Model	60	70	80	90	100	110	120	130	140	150
CDLF120-40-2	80,5	79	78	76	73,5	72	69	66	61,5	58
CDLF120-40-1	87	86	84,5	82	80	78	76	72	68	64,5
CDLF120-40	92,5	91	90	88	85,5	83	81	77	73	68,5
CDLF120-50-2	104,5	103	101	99	96	93	90	85,5	80,5	75,5
CDLF120-50-1	110,5	109	107,5	105	102	100	97	92	86,5	83
CDLF120-50	115,5	114	113	110	107,5	104,5	101,5	96	91	86

Select the duty point at the intersection of Q and H.

Series CDLF 120 (3~ 400V) · 60-2–70

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF120-60-2	55	75	98,5
CDLF120-60-1	55	75	98,5
CDLF120-60	75	100	133,7

Model	kW	HP	A (400 V)
CDLF120-70-2	75	100	133,7
CDLF120-70-1	75	100	133,7
CDLF120-70	75	100	133,7

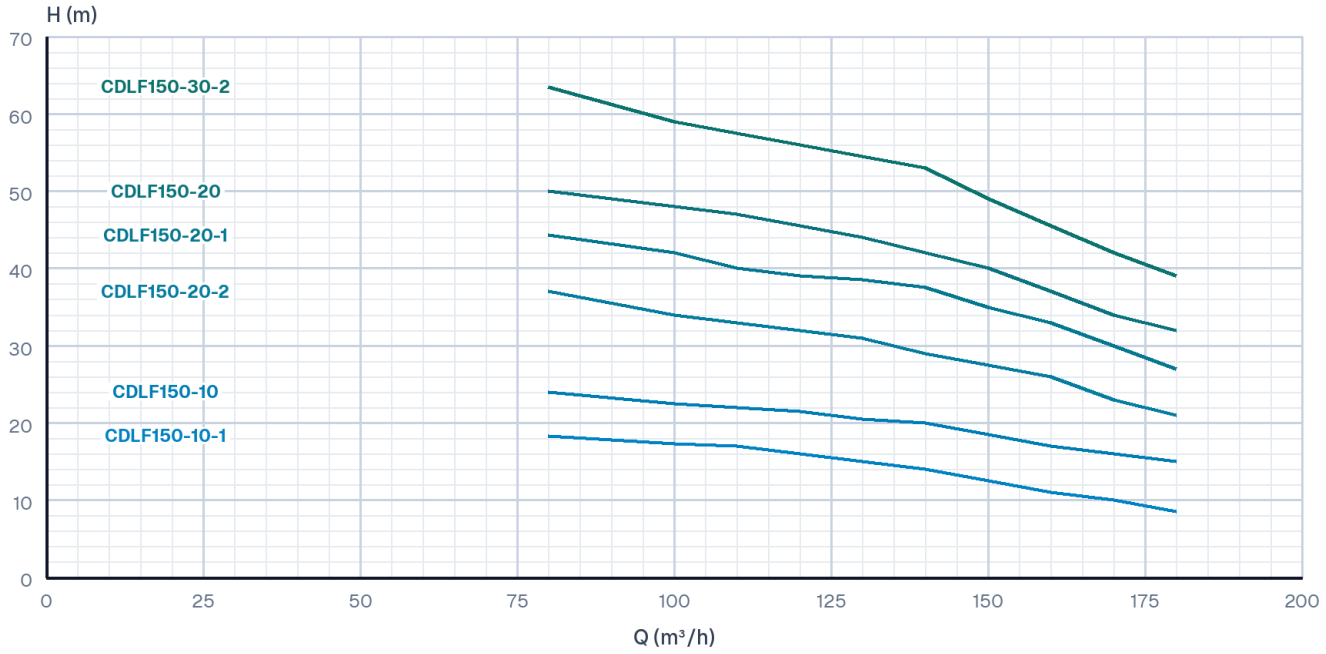
Hydraulic performance

	Q · Flow (m³/h)									
Model	60	70	80	90	100	110	120	130	140	150
CDLF120-60-2	128	125,5	123	121	117,3	113,5	110	104,5	98,5	92,5
CDLF120-60-1	134	132	130,5	127	124	121	118	111	105	100
CDLF120-60	139	137	135	132	128,8	126	123	116	110	104
CDLF120-70-2	151	148	145,5	143	138,6	134	130	123,5	116,5	109
CDLF120-70-1	156,5	154	152	148,5	144,5	141	137,5	130	123	116,5
CDLF120-70	162,5	160,5	158,5	155	151	148	145	137	129	123

Select the duty point at the intersection of Q and H.

Series CDLF 150 (3~ 400V) · 10-1–30-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF150-10-1	11	15	20,6
CDLF150-10	15	20	27,9
CDLF150-20-2	18,5	25	34,2

Model	kW	HP	A (400 V)
CDLF150-20-1	22	30	40,5
CDLF150-20	30	40	54,9
CDLF150-30-2	30	40	54,9

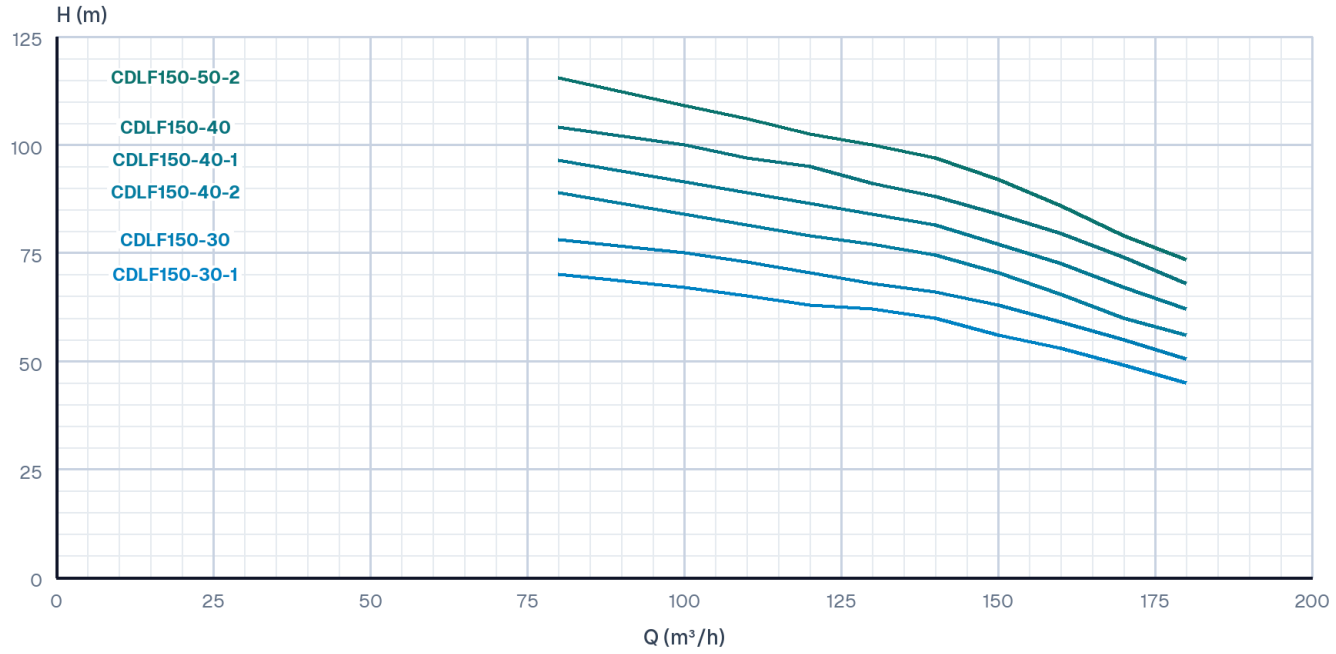
Hydraulic performance

	Q · Flow (m³/h)									
Model	80	100	110	120	130	140	150	160	170	180
CDLF150-10-1	18,3	17,3	17	16	15	14	12,5	11	10	8,5
CDLF150-10	24	22,5	22	21,5	20,5	20	18,5	17	16	15
CDLF150-20-2	37	34	33	32	31	29	27,5	26	23	21
CDLF150-20-1	44,3	42	40	39	38,5	37,5	35	33	30	27
CDLF150-20	50	48	47	45,5	44	42	40	37	34	32
CDLF150-30-2	63,5	59	57,5	56	54,5	53	49	45,5	42	39

Select the duty point at the intersection of Q and H.

Series CDLF 150 (3~ 400V) · 30-1–50-2

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF150-30-1	37	50	67,4
CDLF150-30	37	50	67,4
CDLF150-40-2	45	60	80,8

Model	kW	HP	A (400 V)
CDLF150-40-1	45	60	80,8
CDLF150-40	55	75	98,5
CDLF150-50-2	55	75	98,5

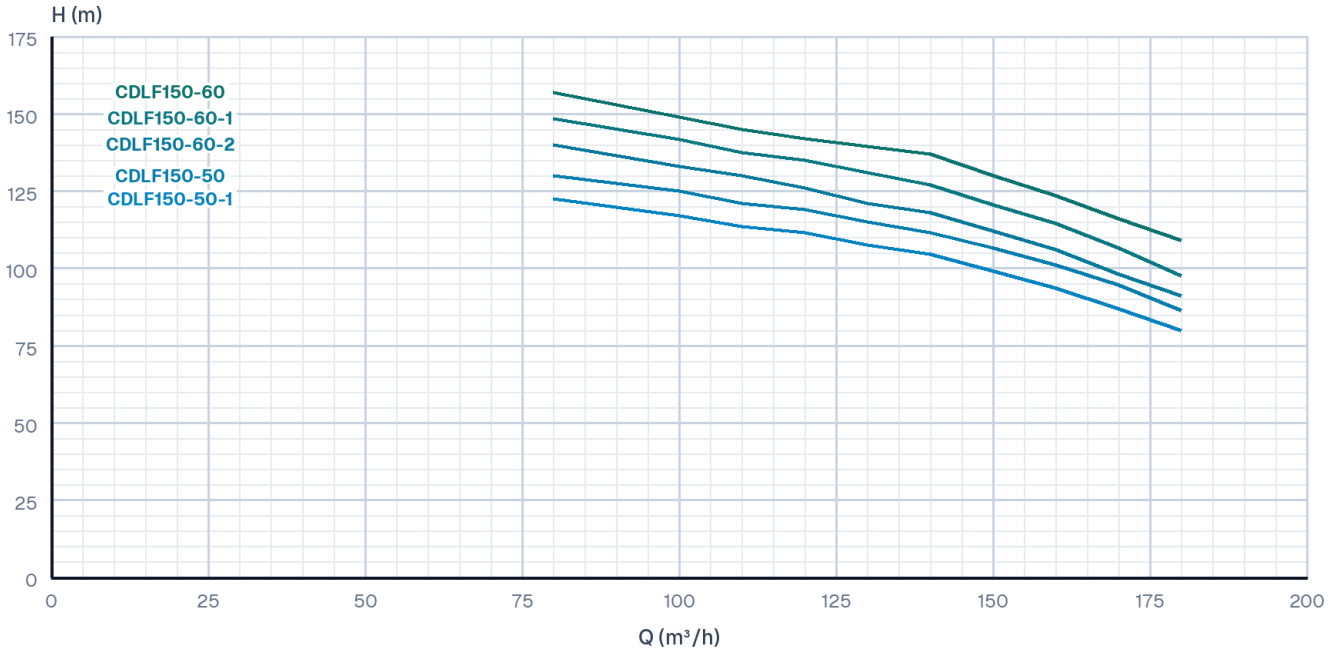
Hydraulic performance

	Q · Flow (m³/h)									
Model	80	100	110	120	130	140	150	160	170	180
CDLF150-30-1	70	67	65	63	62	60	56	53	49	45
CDLF150-30	78	75	73	70,5	68	66	63	59	55	50,5
CDLF150-40-2	89	84	81,5	79	77	74,5	70,5	65,5	60	56
CDLF150-40-1	96,5	91,5	89	86,5	84	81,5	77	72,5	67	62
CDLF150-40	104	100	97	95	91	88	84	79,5	74	68
CDLF150-50-2	115,5	109	106	102,5	100	97	92	86	79	73,5

Select the duty point at the intersection of Q and H.

Series CDLF 150 (3~ 400V) · 50-1–60

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF150-50-1	75	100	133,7
CDLF150-50	75	100	133,7
CDLF150-60-2	75	100	133,7

Model	kW	HP	A (400 V)
CDLF150-60-1	75	100	133,7
CDLF150-60	75	100	133,7

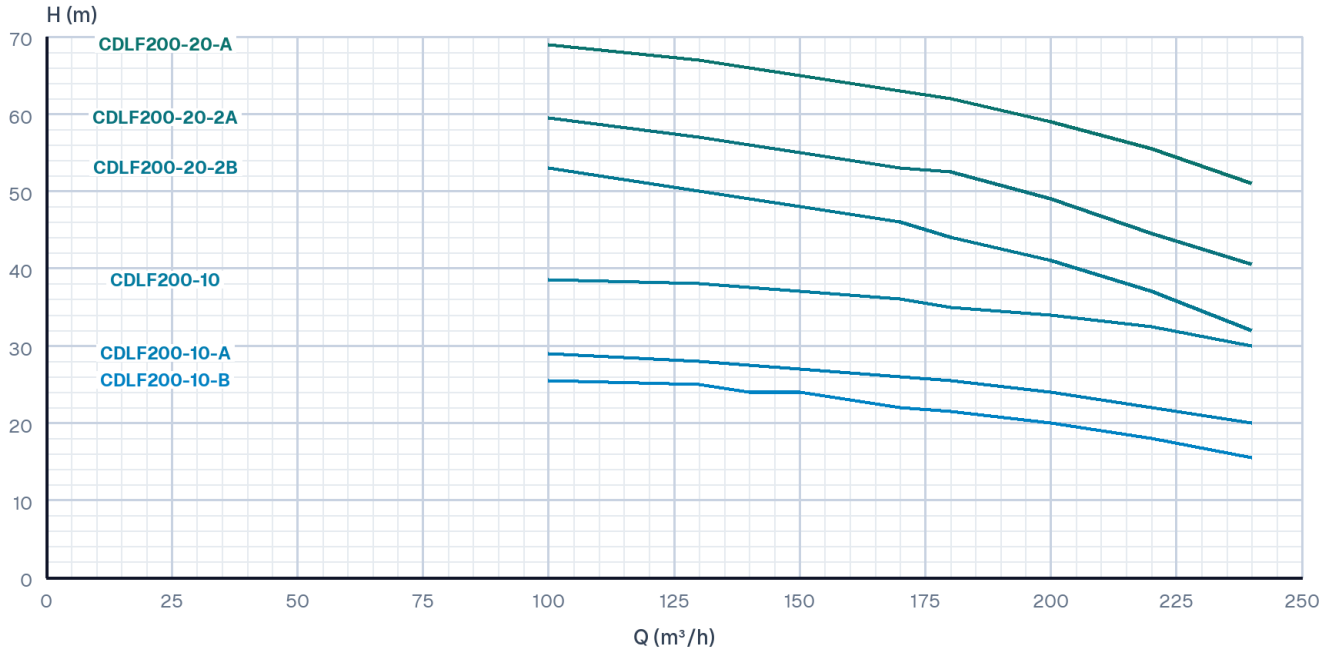
Hydraulic performance

	Q · Flow (m³/h)									
Model	80	100	110	120	130	140	150	160	170	180
CDLF150-50-1	122,5	117	113,5	111,5	107,5	104,5	99	93,5	87	80
CDLF150-50	130	125	121	119	115	111,5	106,5	101	94,5	86,5
CDLF150-60-2	140	133	130	126	121	118	112	106	98	91
CDLF150-60-1	148,5	141,7	137,5	135	131	127	120,5	114,5	106,5	97,5
CDLF150-60	157	149	145	142	139,5	137	130	123,5	116	109

Select the duty point at the intersection of Q and H.

Series CDLF 200 (3~ 400V) · 10-B–20-A

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF200-10-B	18,5	25	34,2
CDLF200-10-A	22	30	40,5
CDLF200-10	30	40	54,9

Model	kW	HP	A (400 V)
CDLF200-20-2B	37	50	67,4
CDLF200-20-2A	45	60	80,8
CDLF200-20-A	55	75	98,5

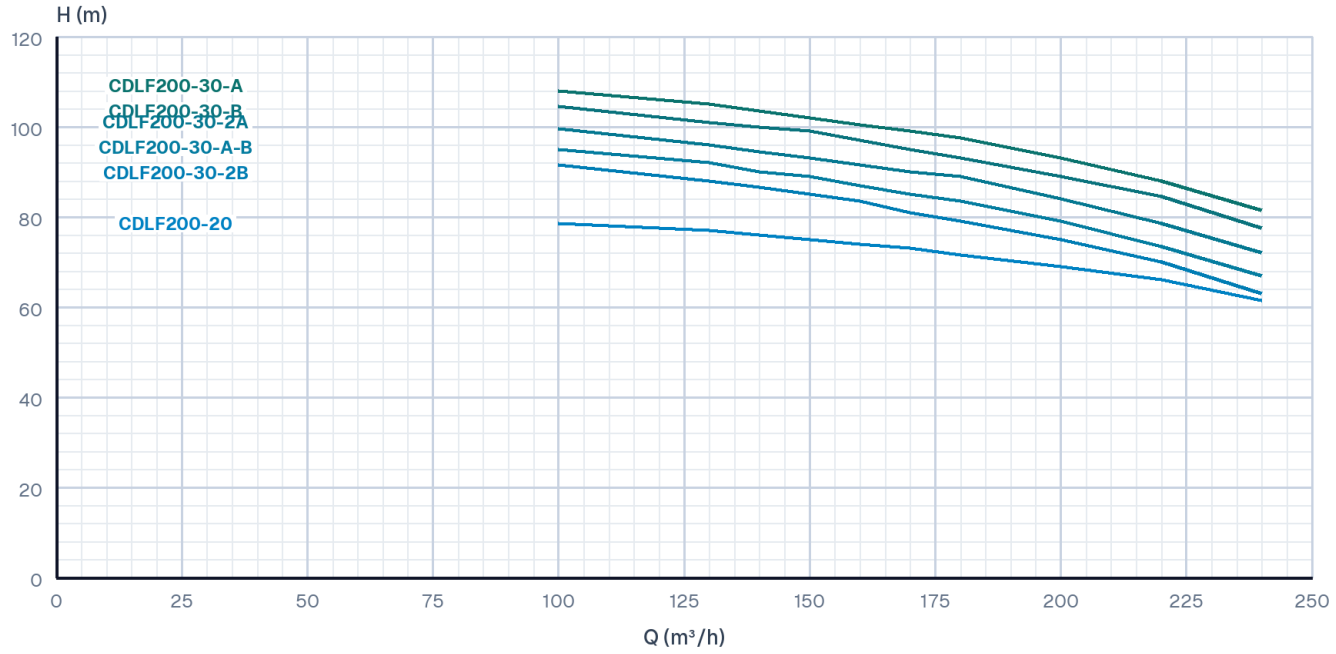
Hydraulic performance

	Q · Flow (m³/h)									
Model	100	130	140	150	160	170	180	200	220	240
CDLF200-10-B	25,5	25	24	24	23	22	21,5	20	18	15,5
CDLF200-10-A	29	28	27,5	27	26,5	26	25,5	24	22	20
CDLF200-10	38,5	38	37,5	37	36,5	36	35	34	32,5	30
CDLF200-20-2B	53	50	49	48	47	46	44	41	37	32
CDLF200-20-2A	59,5	57	56	55	54	53	52,5	49	44,5	40,5
CDLF200-20-A	69	67	66	65	64	63	62	59	55,5	51

Select the duty point at the intersection of Q and H.

Series CDLF 200 (3~ 400V) · 20–30-A

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF200-20	55	75	98,5
CDLF200-30-2B	75	100	133,7
CDLF200-30-A-B	75	100	133,7

Model	kW	HP	A (400 V)
CDLF200-30-2A	75	100	133,7
CDLF200-30-B	75	100	133,7
CDLF200-30-A	75	100	133,7

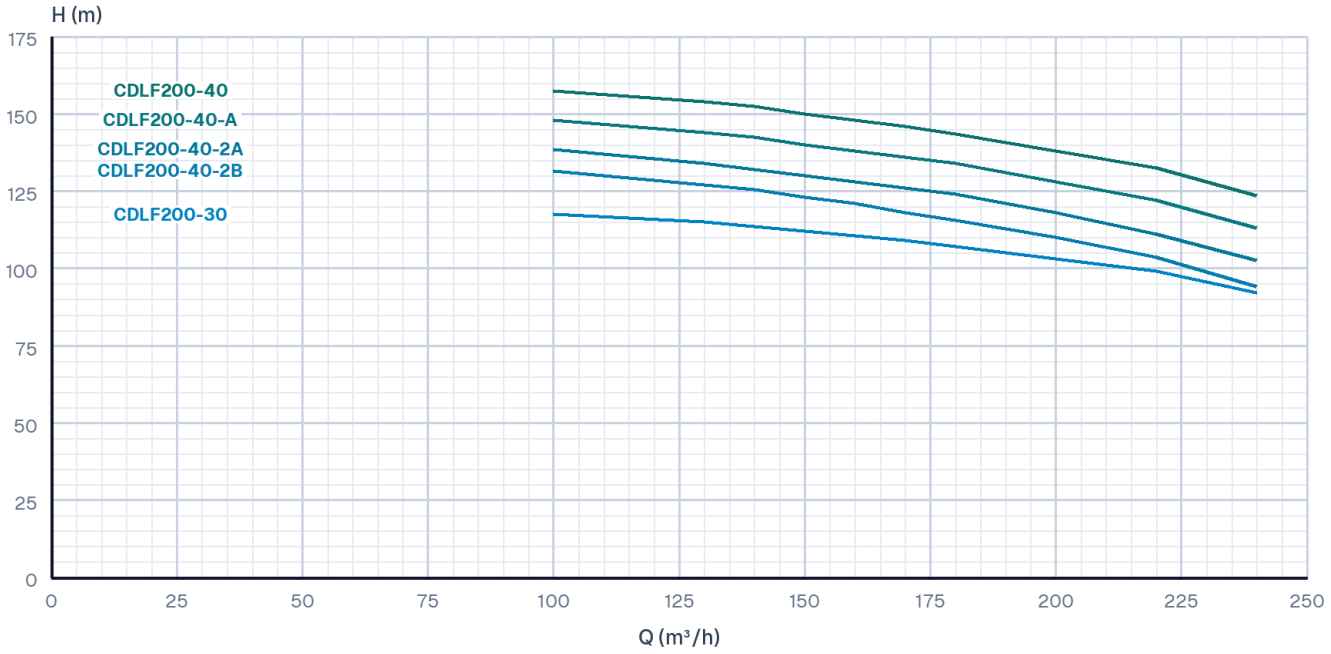
Hydraulic performance

	Q · Flow (m³/h)									
Model	100	130	140	150	160	170	180	200	220	240
CDLF200-20	78,5	77	76	75	74	73	71,5	69	66	61,5
CDLF200-30-2B	91,5	88	86,5	85	83,5	81	79	75	70	63
CDLF200-30-A-B	95	92	90	89	87	85	83,5	79	73,5	67
CDLF200-30-2A	99,5	96	94,5	93	91,5	90	89	84	78,5	72
CDLF200-30-B	104,5	101	100	99	97	95	93	89	84,5	77,5
CDLF200-30-A	108	105	103,5	102	100,5	99	97,5	93	88	81,5

Select the duty point at the intersection of Q and H.

Series CDLF 200 (3~ 400V) · 30–40

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
CDLF200-30	90	125	159,9
CDLF200-40-2B	90	125	159,9
CDLF200-40-2A	110	150	195,1

Model	kW	HP	A (400 V)
CDLF200-40-A	110	150	195,1
CDLF200-40	110	150	195,1

Hydraulic performance

	Q · Flow (m³/h)									
Model	100	130	140	150	160	170	180	200	220	240
CDLF200-30	117,5	115	113,5	112	110,5	109	107	103	99	92
CDLF200-40-2B	131,5	127	125,5	123	121	118	115,5	110	103,5	94
CDLF200-40-2A	138,5	134	132	130	128	126	124	118	111	102,5
CDLF200-40-A	148	144	142,5	140	138	136	134	128	122	113
CDLF200-40	157,5	154	152,5	150	148	146	143,5	138	132,5	123,5

Select the duty point at the intersection of Q and H.

Dimensions · 1/2

Dimensions and models

Model	B1 (mm)	B (mm)	D1 (mm)	D2 (mm)	NW (kg)
CDLF 32-10-1	505	795	190	155	64
CDLF 32-20	575	930	230	188	85
CDLF 32-40	715	1105	260	208	109
CDLF 32-60	960	1460	330	255	185
CDLF 32-100	1240	1790	330	255	227
CDLF 32-130	1450	2100	400	310	337
CDLF 32-160	1660	2310	400	310	350
CDLF 45-10-1	561	906	197	165	83
CDLF 45-20	641	1031	260	208	110
CDLF 45-40	906	1406	330	255	197
CDLF 45-60	1066	1641	360	285	261
CDLF 45-90	1306	1956	400	310	352
CDLF 45-110	1466	2151	450	345	426
CDLF 45-130-2	1626	2311	450	345	438
CDLF 64-10-1	561	916	230	188	93
CDLF 64-20	754	1254	330	255	182
CDLF 64-40	919	1494	360	285	258

Dimensions · 2/2

Dimensions and models

Model	B1 (mm)	B (mm)	D1 (mm)	D2 (mm)	NW (kg)
CDLF 64-60	1084	1734	400	310	349
CDLF 64-80-1	1248	1933	460	340	424
CDLF 90-10-1	571	961	260	208	105
CDLF 90-20	773	1273	330	255	192
CDLF 90-40	957	1607	400	310	312
CDLF 90-60	1141	1826	460	340	407
CDLF 120-10	840	1340	330	255	230
CDLF 120-30	1160	1810	400	310	360
CDLF 120-50	1510	2270	540	370	575
CDLF 120-70	1830	2675	580	410	715
CDLF 150-10-1	840	1340	330	255	230
CDLF 150-30	1160	1810	400	310	360
CDLF 150-60	1670	2515	580	410	700
CDLF 200-10-B	907	1457	330	255	311
CDLF 200-20	1131	1891	540	370	595
CDLF 200-40	1519	2659	645	550	1180

Flange

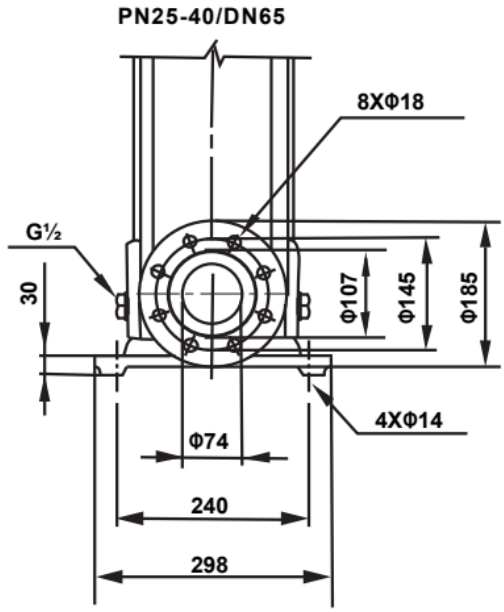
Dimensions and models

Series	DN	a (mm)	b (mm)	c (mm)	d (mm)
CDLF 32	65	105	170	225	320
CDLF 45	80	140	190	245	365
CDLF 64	100	140	190	245	365
CDLF 90	100	140	199	255	380
CDLF 120	125	180	275	340	380
CDLF 150	125	180	275	340	380
CDLF 200	150	200	385	460	490

Features

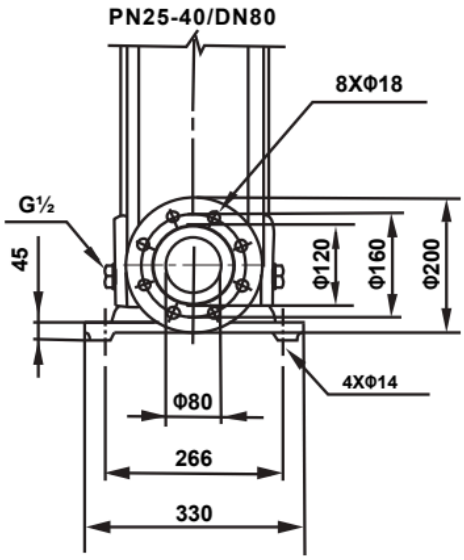
- Highly reliable vertical multistage pumps
- In-line design for easier pipe installation
- Stainless steel hydraulics for increased durability
- Cartridge mechanical seal for easier maintenance
- Strong cast iron base for vibration stability
- Never run the pump dry. Not even for a short trial run.

CDLF 32 flange drawing



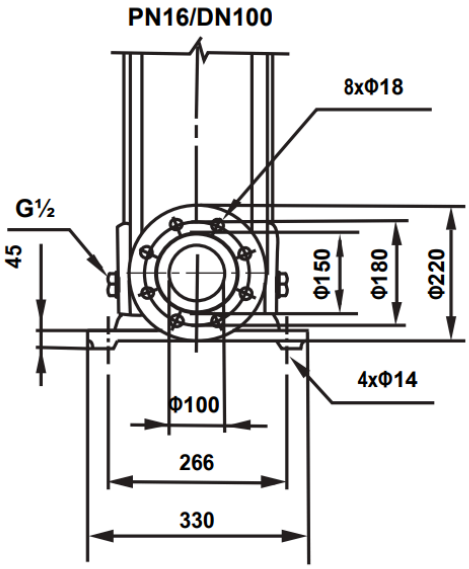
32

CDLF 45 flange drawing



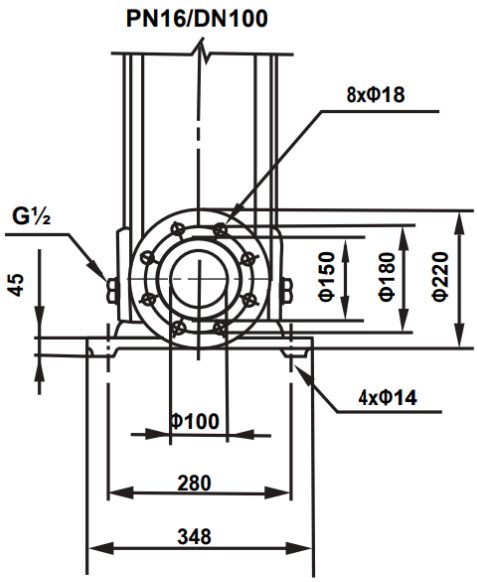
45

CDLF 64 flange drawing



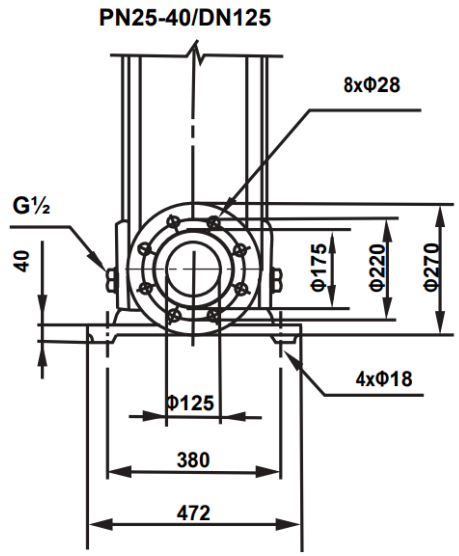
64

CDLF 90 flange drawing



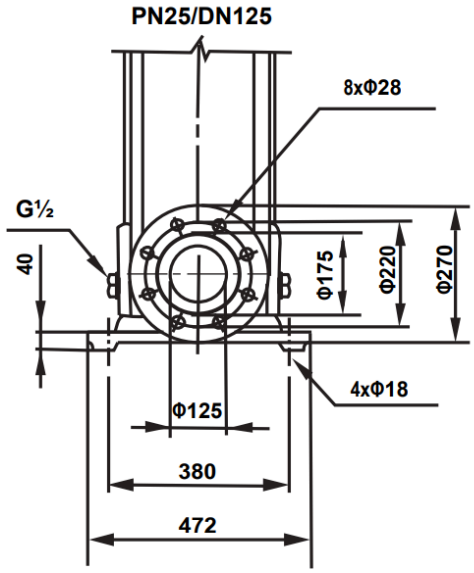
90

CDLF 120 flange drawing



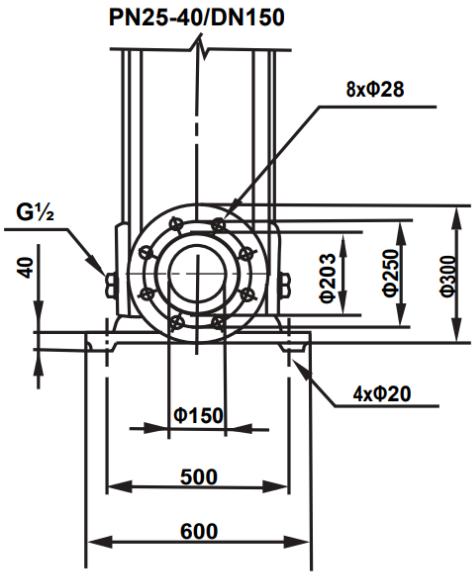
120

CDLF 150 flange drawing



150

CDLF 200 flange drawing



200