



CDL Vertical Multistage Centrifugal Pump



Product Overview

CDL vertical multistage non self-priming centrifugal pump, driven by a standard electric motor.
The shaft of motor directly connects with the pump shaft through a coupling.
This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out of phase and overload.

Application

- Water supply
- Industrial boosting
- Industrial liquid conveying
- Water treatment
- Irrigation

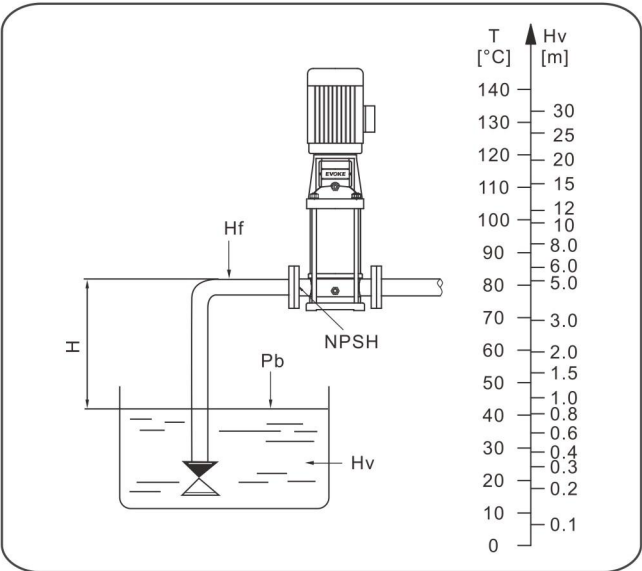
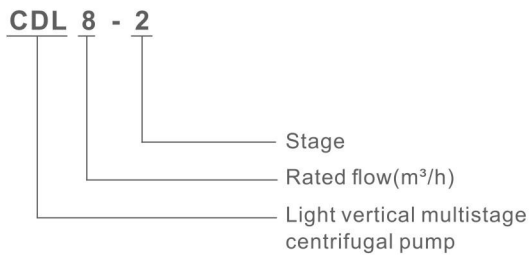
Liquid Temperature

- Normal temperature type: -15°C~70°C
- Hot water type: -15°C~120°C
- Environmental temperature: ≤40°C

Motor

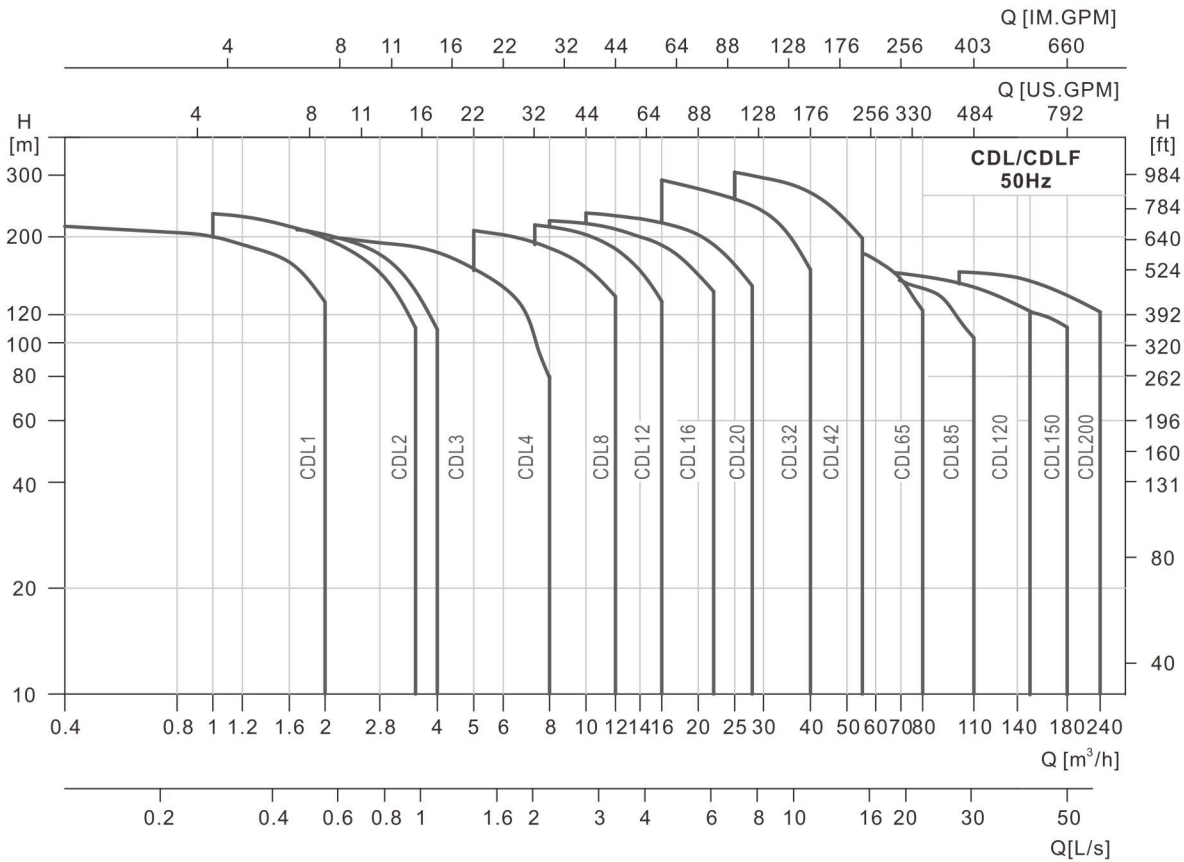
Full-enclosed air-blast two-pole standard motor
Protection level: IP55
Insulation class: F
Standard voltage: 50Hz: 1x220-230/240V
3x200-220/346-380V
3x220-240/380-415V
3x380-415V

Model Definition



Check and ensure that the pump is not at cavitation state.

Performance Curve



Product Range

Description	CDL1	CDL2	CDL3	CDL4	CDL8	CDL12	CDL16	CDL20	CDL32	CDL42	CDL65	CDL85	CDL120	CDL150	CDL200
Rated flow [m³/h]	1	2	3	4	8	12	16	20	32	42	65	85	120	150	200
Rated flow [L/s]	0.28	0.56	0.83	1.1	2.2	3.3	4.4	5.6	8.9	11.7	18	24	33	41.6	55.6
Flow range [m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	5-12	7-16	8-22	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow range [L/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.9-4.4	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7	22-50	27.8-66.7
Max.pressure [bar]	21	23	22	21	21	22	22	23	29	30	22	17	16	16	16
Motor power [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	1.5-11	2.2-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	18.5-110
Temperature range [°C]	-15~+120														
Max.efficiency[%]	44	46	54	57	62	63	66	69	73	75	76	77	74	73	79
Type															
CDL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CDL pipe connection															
DIN flange	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Oval flange	G1	G1	G1	G1¼	G1½										

CDL1

Performance Table

Model	Driving motor		Q (m³/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
	(kW)	(HP)										
CDL1-2	0.37	0.5	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
CDL1-3	0.37	0.5		19	18	17.5	17	16.5	16	15	14	12
CDL1-4	0.37	0.5		24	23.5	23	22.5	21.5	21	19	18	16
CDL1-5	0.37	0.5		30	29.6	29	28	27	26	24	22	20
CDL1-6	0.37	0.5		36	35.5	35	33.5	33	31	28	26	23
CDL1-7	0.37	0.5		42	41	40.5	39	38	36	33	30	27
CDL1-8	0.55	0.75		48	47	46	45	43	41	38	34	30
CDL1-9	0.55	0.75		54	53	52	51	49	46	43	39	33
CDL1-10	0.55	0.75		60	59	58	57	54	51	48	43	36
CDL1-11	0.55	0.75		66	65	63	61	59	56	52	47	40
CDL1-12	0.75	1		72	71	69	67	64	61	57	51	44
CDL1-13	0.75	1		78	77	75	73	69	66	62	55	47
CDL1-15	0.75	1		89	88	86	84	79	76	71	63	55
CDL1-17	1.1	1.5		101	99	97	95	89	86	80	71	62
CDL1-19	1.1	1.5		113	110	108	106	99	96	89	79	69
CDL1-21	1.1	1.5		124	122	120	117	110	106	98	87	75
CDL1-23	1.1	1.5		137	133	131	128	121	116	107	96	82
CDL1-25	1.5	2		149	145	143	139	131	126	116	104	89
CDL1-27	1.5	2		161	157	155	150	141	136	125	112	95
CDL1-30	1.5	2		178	175	171	166	157	150	139	124	106
CDL1-33	2.2	3		196	192	188	183	173	165	154	137	118
CDL1-36	2.2	3		214	210	205	200	190	181	169	151	130

CDL2

Performance Table

Model	Driving motor		Q (m³/h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
	(kW)	(HP)									
CDL2-2	0.37	0.5	H (m)	18	17	16	15	13	12	10	8
CDL2-3	0.37	0.5		27	26	24	22	20	18	15	12
CDL2-4	0.55	0.75		36	35	33	30	26	24	20	16
CDL2-5	0.55	0.75		45	43	40	37	33	30	24	20
CDL2-6	0.75	1		53	52	50	45	40	36	30	24
CDL2-7	0.75	1		63	61	57	52	47	41	35	28
CDL2-9	1.1	1.5		80	78	73	67	61	54	45	37
CDL2-11	1.1	1.5		98	95	89	82	73	64	54	44
CDL2-13	1.5	2		116	114	106	98	89	78	65	52
CDL2-15	1.5	2		134	130	123	112	100	90	73	60
CDL2-18	2.2	3		161	157	148	136	121	108	91	76
CDL2-22	2.2	3		197	192	180	165	148	130	110	90
CDL2-26	3.0	4		232	228	214	198	179	158	130	110

CDL3

Performance Table

Model	Driving motor		Q (m³/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
	(kW)	(HP)										
CDL3-2	0.37	0.5	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
CDL3-3	0.37	0.5		19	18.5	17.5	16.5	15	14	13	11	9
CDL3-4	0.37	0.5		25	24	23	21.5	20	19	18	15	12
CDL3-5	0.37	0.5		31	30	29	27	25	23	22	19	16
CDL3-6	0.55	0.75		36	35	34	32	30	28	27	23	19
CDL3-7	0.55	0.75		43	41	39	37	34	32	31	27	22
CDL3-8	0.75	1		49	47	45	43	39	37	35	31	25
CDL3-9	0.75	1		55	53	51	48	45	42	40	35	28
CDL3-10	0.75	1		61	59	57	54	50	47	45	39	31
CDL3-11	1.1	1.5		67	64	61	58	54	51	49	42	34
CDL3-12	1.1	1.5		73	70	67	63	58	55	52	45	37
CDL3-13	1.1	1.5		78	76	73	69	64	60	57	49	40
CDL3-15	1.1	1.5		90	88	84	79	73	69	66	57	46
CDL3-17	1.5	2		103	100	96	90	83	79	75	64	52
CDL3-19	1.5	2		115	112	107	100	92	88	83	72	58
CDL3-21	2.2	3		128	124	119	112	102	98	91	79	64
CDL3-23	2.2	3		140	135	130	122	112	107	100	86	70
CDL3-25	2.2	3		151	147	141	131	122	116	109	94	76
CDL3-27	2.2	3		164	159	152	143	132	124	117	101	82
CDL3-29	2.2	3		175	170	163	153	142	133	126	109	88
CDL3-31	3.0	4		187	182	175	165	153	142	135	116	94
CDL3-33	3.0	4		199	194	187	176	163	151	145	125	100
CDL3-36	3.0	4		218	212	204	192	178	168	159	137	109

CDL4

Performance Table

Model	Driving motor		Q (m³/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
	(kW)	(HP)								
CDL4-2	0.37	0.5	H (m)	19	18	17	15	13	10	8
CDL4-3	0.55	0.75		28	27	26	24	20	18	13
CDL4-4	0.75	1		38	36	34	32	27	24	19
CDL4-5	1.1	1.5		47	45	43	40	34	31	23
CDL4-6	1.1	1.5		56	54	52	48	41	37	28
CDL4-7	1.5	2		66	63	61	56	48	43	33
CDL4-8	1.5	2		74	72	70	64	55	50	38
CDL4-10	2.2	3		96	90	87	81	71	62	48
CDL4-12	2.2	3		114	108	104	95	85	75	58
CDL4-14	3.0	4		136	126	122	112	101	89	68
CDL4-16	3.0	4		152	144	140	129	115	101	78
CDL4-19	4.0	5.5		183	171	168	153	137	122	93
CDL4-22	4.0	5.5		211	200	192	178	160	138	108

CDL8

Performance Table

Model	Driving motor		Q (m³/h)	5	6	7	8	9	10	11	12
	(kW)	(HP)									
CDL8-2	0.75	1	H (m)	20	19.5	19	18	17	16	14	13
CDL8-3	1.1	1.5		30	29.5	28.5	27	25	24	21	19
CDL8-4	1.5	2		41	39.5	38	36	34	32	28	26
CDL8-5	2.2	3		52	50	48	45	42	40	36	32
CDL8-6	2.2	3		62	60	57	54	51	48	43	39
CDL8-8	3.0	4		83	80	77	73	69	65	58	52
CDL8-10	4.0	5.5		104	100	97	92	87	81	73	65
CDL8-12	4.0	5.5		124	120	116	111	104	92	87	78
CDL8-14	5.5	7.5		145	141	136	130	122	113	102	92
CDL8-16	5.5	7.5		166	161	156	148	139	130	118	106
CDL8-18	7.5	10		187	182	175	167	157	146	134	120
CDL8-20	7.5	10		208	202	195	186	175	163	150	135

CDL16

Performance Table

Model	Driving motor		Q (m³/h)	8	10	12	14	16	18	20	22
	(kW)	(HP)									
CDL16-2	2.2	3	H (m)	27	26	25	24	22	21	19	16
CDL16-3	3.0	4		41	40	38	37	34	32	29	25
CDL16-4	4.0	5.5		54	53	52	49	46	43	38	34
CDL16-5	5.5	7.5		68	67	65	62	58	54	48	43
CDL16-6	5.5	7.5		82	80	78	74	70	64	58	52
CDL16-7	7.5	10		96	95	91	87	82	76	68	61
CDL16-8	7.5	10		110	108	104	99	94	86	77	70
CDL16-10	11	15		138	136	131	125	118	109	97	87
CDL16-12	11	15		166	162	157	150	141	130	116	105
CDL16-14	15	20		194	190	184	175	166	152	136	122
CDL16-16	15	20		222	217	210	200	189	174	156	140

CDL12

Performance Table

Model	Driving motor		Q (m³/h)	7	8	9	10	11	12	13	14	15	16
	(kW)	(HP)											
CDL12-2	1.5	2	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
CDL12-3	2.2	3		35.5	35	34	33	31.5	30	28	26	23.5	21
CDL12-4	3	4		47	46	45	44	42	40	37	34	31	28
CDL12-5	3	4		59.5	58	56.5	55	52.5	50	46.5	43	39	35
CDL12-6	4	5.5		71.5	70	68	66	63	60	56	52	47	42
CDL12-7	5.5	7.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
CDL12-8	5.5	7.5		95.5	94	91	88	84	80	75	70	63	56
CDL12-9	5.5	7.5		108	106	103	100	95.5	91	85	79	71.5	64
CDL12-10	7.5	10		120	118	114.5	111	106	101	94.5	88	80	72
CDL12-12	7.5	10		143.5	141	137	133	127	121	113.5	106	96	86
CDL12-14	11	15		168	165	160	155	148	141	132.5	124	112	100
CDL12-16	11	15		192.5	189	183.5	178	170	162	152	142	128.5	115
CDL12-18	11	15		217	213	207.5	202	192.5	183	171.5	160	145	130

CDL20

Performance Table

Model	Driving motor		Q (m³/h)	10	12	14	16	18	20	22	24	26	28
	(kW)	(HP)											
CDL20-1	1.1	1.5	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
CDL20-2	2.2	3		27	26.5	26	25	24	23	22	20	18	15
CDL20-3	4.0	5.5		40	39.5	39	38	37	35	33	30	27	24
CDL20-4	5.5	7.5		54	53	52	51	49	47	44	41	37	33
CDL20-5	5.5	7.5		67	66	64	62	60	58	55	50	45	40
CDL20-6	7.5	10		81	79	77	75	73	70	66	61	55	49
CDL20-7	7.5	10		95	93	91	89	86	82	77	71	65	58
CDL20-8	11	15		109	107	105	102	99	94	89	82	75	67
CDL20-10	11	15		136	134	131	128	124	118	111	103	95	85
CDL20-12	15	20		164	162	158	154	149	142	133	124	114	102
CDL20-14	15	20		192	189	185	180	174	166	156	145	133	119
CDL20-17	18.5	25		234	230	225	219	212	202	190	177	162	145

CDL32

Performance Table

Model	Driving motor		Q (m³/h)	16	20	24	28	32	36	40	Model	Driving motor		Q (m³/h)	16	20	24	28	32	36	40
	(kW)	(HP)										(kW)	(hp)								
CDL32-10-1	1.5	2	H (m)	14	13	12	11	9	7	4	CDL32-90-2	18.5	25	H (m)	154	148	140	129	117	102	82
CDL32-10	2.2	3		18	17	15	14	13	11	8	CDL32-90	18.5	25		162	156	147	136	124	109	88
CDL32-20-2	3.0	4		29	28	26	23	20	16	11	CDL32-100-2	18.5	25		175	166	157	146	131	115	91
CDL32-20	4.0	5.5		36	34	32	29	27	23	18	CDL32-100	18.5	25		182	173	164	152	138	122	98
CDL32-30-2	5.5	7.5		47	44	41	29	33	28	21	CDL32-110-2	22	30		193	184	173	164	146	128	102
CDL32-30	5.5	7.5		54	51	48	44	40	35	27	CDL32-110	22	30		200	191	180	168	153	135	109
CDL32-40-2	7.5	10		65	62	58	53	46	40	30	CDL32-120-2	22	30		211	201	189	178	160	140	113
CDL32-40	7.5	10		72	69	65	59	53	47	37	CDL32-120	22	30		218	208	196	184	167	147	120
CDL32-50-2	11	15		83	79	74	68	60	52	41	CDL32-130-2	30	40		230	218	206	193	174	153	124
CDL32-50	11	15		90	86	81	74	67	59	47	CDL32-130	30	40		237	225	213	200	181	160	131
CDL32-60-2	11	15		101	97	90	83	74	65	51	CDL32-140-2	30	40		247	235	222	210	189	165	135
CDL32-60	11	15		108	104	97	90	81	72	57	CDL32-140	30	40		255	242	229	216	196	172	142
CDL32-70-2	15	20		119	114	107	98	88	78	60	CDL32-150-2	30	40		266	253	239	224	203	178	145
CDL32-70	15	20		126	121	113	105	95	85	67	CDL32-150	30	40		274	260	246	231	210	185	152
CDL32-80-2	15	20		136	131	123	114	102	90	71	CDL32-160-2	30	40		284	270	255	240	218	190	156
CDL32-80	15	20		144	138	130	120	109	97	77	CDL32-160	30	40		292	277	262	246	225	197	163

CDL65

Performance Table

Model	Driving motor		Q (m³/h)	30	40	50	60	65	70	80
	(kW)	(HP)								
CDL65-10-1	4.0	5.5	H (m)	19	18	16	14	13	11	8
CDL65-10	5.5	7.5		27	25	23	21	20	18	15
CDL65-20-2	7.5	10		39	36	33	29	26	23	17
CDL65-20-1	11	15		46	44	40	36	33	30	24
CDL65-20	11	15		53	51	47	43	40	37	30
CDL65-30-2	15	20		66	62	56	50	46	41	32
CDL65-30-1	15	20		73	69	63	57	53	48	39
CDL65-30	18.5	25		80	76	70	64	60	55	46
CDL65-40-2	18.5	25		92	87	80	71	66	60	47
CDL65-40-1	22	30		100	94	87	78	73	67	54
CDL65-40	22	30		107	101	94	85	80	74	61
CDL65-50-2	30	40		121	114	105	95	88	80	64
CDL65-50-1	30	40		128	121	112	102	95	87	71
CDL65-50	30	40		136	129	119	109	102	94	78
CDL65-60-2	30	40		150	142	131	118	110	101	81
CDL65-60-1	37	50		157	149	138	125	117	108	88
CDL65-60	37	50		164	156	145	132	124	115	95
CDL65-70-2	37	50		179	169	156	141	132	121	99
CDL65-70-1	37	50		186	176	163	148	139	128	106
CDL65-70	45	60		193	183	170	155	146	135	112
CDL65-80-2	45	60		207	196	182	164	154	142	116
CDL65-80-1	45	60		215	203	189	171	161	149	123

CDL42

Performance Table

Model	Driving motor		Q (m³/h)	25	30	35	40	42	45	50	55
	(kW)	(HP)									
CDL42-10-1	3.0	4	H (m)	20	19	18	17	16	15	13	11
CDL42-10	4.0	5.5		24	23	22	21	20	19	18	16
CDL42-20-2	5.5	7.5		40	38	36	33	32	30	27	23
CDL42-20	7.5	10		48	46	44	42	41	39	35	31
CDL42-30-2	11	15		63	61	58	54	52	50	44	38
CDL42-30	11	15		71	69	66	63	61	58	53	47
CDL42-40-2	15	20		87	84	80	75	73	69	62	54
CDL42-40	15	20		95	92	88	84	81	78	71	62
CDL42-50-2	18.5	25		111	107	102	96	93	88	80	69
CDL42-50	18.5	25		119	115	110	105	101	97	88	78
CDL42-60-2	22	30		135	130	124	117	113	108	97	85
CDL42-60	22	30		143	138	132	125	122	116	106	93
CDL42-70-2	30	40		158	152	146	138	134	127	115	100
CDL42-70	30	40		166	161	154	146	142	135	124	109
CDL42-80-2	30	40		182	175	168	159	154	146	133	116
CDL42-80	30	40		190	184	176	167	162	154	141	124
CDL42-90-2	30	40		205	198	190	180	174	166	150	132
CDL42-90	37	50		214	207	198	188	183	174	159	140
CDL42-100-2	37	50		230	221	212	200	194	185	168	147
CDL42-100	37	50		238	230	220	209	203	193	177	155
CDL42-110-2	45	60		255	246	236	223	217	206	188	165
CDL42-110	45	60		263	255	244	232	225	214	196	173
CDL42-120-2	45	60		280	270	259	245	238	226	206	181
CDL42-120	45	60		289	280	268	255	247	236	216	190
CDL42-130-2	45	60		305	294	282	267	259	247	225	198

CDL85

Performance Table

Model	Driving motor		Q (m³/h)	50	60	70	80	85	90	100	110
	(kW)	(HP)									
CDL85-10-1	5.5	7.5	H (m)	22	19	17	16	14	13	10	6
CDL85-10	7.5	10		25	24	22	21	20	19	16	12
CDL85-20-2	11	15		41	39	36	32	30	28	22	15
CDL85-20	15	20		53	50	47	44	41	40	36	30
CDL85-30-2	18.5	25		68	65	60	55	52	49	41	32
CDL85-30	22	30		81	77	72	67	64	62	55	48
CDL85-40-2	30	40		98	93	87	80	75	72	62	50
CDL85-40	30	40		110	105	100	92	86	84	76	66
CDL85-50-2	37	50		126	120	113	104	98	93	81	68
CDL85-50	37	50		139	131	124	115	110	106	94	83
CDL85-60-2	45	60		155	148	139	129	122	117	102	86
CDL85-60	45	60		168	160	150	141	134	130	117	103

CDL120

Performance Table

Model	Driving motor		Q (m³/h)	60	70	80	90	100	110	120	130	140	150
	(kW)	(HP)											
CDL120-10	11	15	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
CDL120-20-2	15	20		34	33.6	33	31	30.2	30	28.5	27	25	24
CDL120-20-1	18.5	25		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
CDL120-20	22	30		46	45	44.5	43.5	42.4	41	40	38	36	33.5
CDL120-30-2	30	40		57	56	55	53.5	52	51	49	46.5	43.5	41
CDL120-30-1	30	40		64	63	62	60	58.5	57.5	55.5	52	49	46
CDL120-30	30	40		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
CDL120-40-2	37	50		80.5	79	78	76	73.5	72	69	66	61.5	58
CDL120-40-1	37	50		87	86	84.5	82	80	78	76	72	68	64.5
CDL120-40	45	60		92.5	91	90	88	85.5	83	81	77	73	68.5
CDL120-50-2	45	60		104.5	103	101	99	96	93	90	85.5	80.5	75.5
CDL120-50-1	45	60		110.5	109	107.5	105	102	100	97	92	86.5	83
CDL120-50	55	75		115.5	114	113	110	107.5	104.5	101.5	96	91	86
CDL120-60-2	55	75		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
CDL120-60-1	55	75		134	132	130.5	127	124	121	118	111	105	100
CDL120-60	75	100		139	137	135	132	128.8	126	123	116	110	104
CDL120-70-2	75	100		151	148	145.5	143	138.6	134	130	123.5	116.5	109
CDL120-70-1	75	100		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
CDL120-70	75	100		162.5	160.5	158.5	155	151	148	145	137	129	123

CDL200

Performance Table

Model	Driving motor		Q (m³/h)	100	120	140	160	180	200	220	240
	(kW)	(HP)									
CDL200-10-B	18.5	25	H (m)	25.5	25	24	23	21.5	20	18	15.5
CDL200-10-A	22	30		29	28.5	27.5	26.5	25.5	24	22	20
CDL200-10	30	40		38.5	38	37.5	36.5	35	34	32.5	30
CDL200-20-2B	37	50		53	51	49	47	44	41	37	32
CDL200-20-2A	45	60		59.5	58	56	54	52.5	49	44.5	40.5
CDL200-20-A	55	75		69	68	66	64	62	59	55.5	51
CDL200-20	55	75		78.5	77.5	76	74	71.5	69	66	61.5
CDL200-30-2B	75	100		91.5	89	86.5	83.5	79	75	70	63
CDL200-30-A-B	75	100		95	93	90	87	83.5	79	73.5	67
CDL200-30-2A	75	100		99.5	97.5	94.5	91.5	89	84	78.5	72
CDL200-30-B	75	100		104.5	102.5	100	97	93	89	84.5	77.5
CDL200-30-A	75	100		108	106	103.5	100.5	97.5	93	88	81.5
CDL200-30	90	120		117.5	116	113.5	110.5	107	103	99	92
CDL200-40-2B	90	120		131.5	129	125.5	121	115.5	110	103.5	94
CDL200-40-2A	110	150		138.5	136	132	128	124	118	111	102.5
CDL200-40-A	110	150		148	145.5	142.5	138	134	128	122	113
CDL200-40	110	150		157.5	155.5	152.5	148	143.5	138	132.5	123.5

CDL150

Performance Table

Model	Driving motor		Q (m³/h)	80	90	100	110	120	130	140	150	160	170	180
	(kW)	(HP)												
CDL150-10-1	11	15	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
CDL150-10	15	20		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
CDL150-20-2	18.5	25		37	35.5	34	33	32	31	29	27.5	26	23	21
CDL150-20-1	22	30		44.3	43	42	40	39	38.5	37.5	35	33	30	27
CDL150-20	30	40		50	49	48	47	45.5	44	42	40	37	34	32
CDL150-30-2	30	40		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
CDL150-30-1	37	50		70	68	67	65	63	62	60	56	53	49	45
CDL150-30	37	50		78	76.5	75	73	70.5	68	66	63	59	55	50.5
CDL150-40-2	45	60		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
CDL150-40-1	45	60		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
CDL150-40	55	75		104	102	100	97	95	91	88	84	79.5	74	68
CDL150-50-2	55	75		115.5	112	109	106	102.5	100	97	92	86	79	73.5
CDL150-50-1	75	100		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
CDL150-50	75	100		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
CDL150-60-2	75	100		140	137	133	130	126	121	118	112	106	98	91
CDL150-60-1	75	100		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
CDL150-60	75	100		157	153	149	145	142	139.5	137	130	123.5	116	109