

# Multistage Pumps



## Stainless Steel Vertical Multistage Pumps

### Applications:

- General water supply and pressure boosting
- Circulation of clean liquids in civil, industrial, farming, fire-fighting boosting systems
- Water supply for boiler or condensate systems
- Irrigation systems
- Washing systems
- Boiler feeding
- Circulation of moderately aggressive chemical liquids without solids
- Circulation of hot and cold water for heating, cooling and air-conditioning systems
- Farm water supply

### Operating Conditions:

- **Liquid temperature:** -15° to +120°
- **Ambient temperature:** Maximum +40°
- **Minimum inlet pressure:** according to NPSH curve + safety margin of minimum 0.5m head
- **Altitude** - up to 1000m



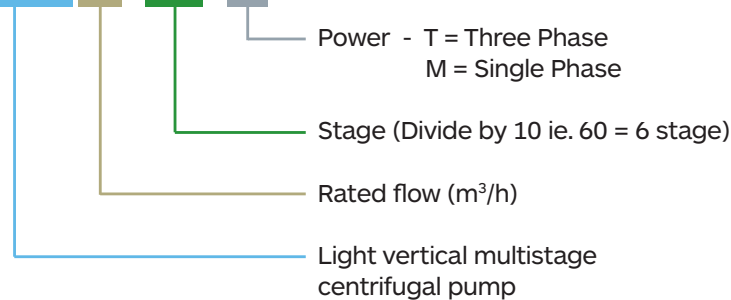
BIA-CDLF



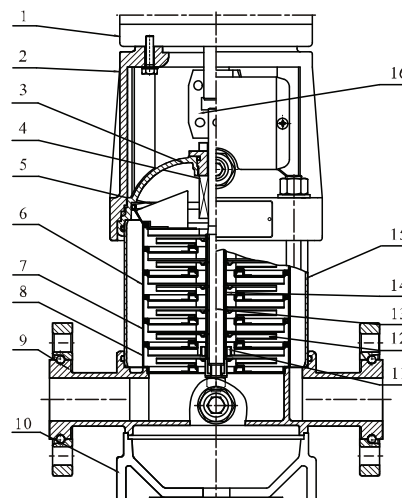
Multistage Pumps & Multiple Pump Sets available from New Zealand - POA

## Definition of Models

**CDFL 8 - 60 / T**



Part No.	Name	Material	AISI/ASTM
1	Motor		
2	Pump Head	Cast Iron	ASTM25B
3	Seal Base	Stainless Steel	AISI304
4	Mechanical Seal		
5	Top Diffuser	Stainless Steel	AISI304
6	Diffuser	Stainless Steel	AISI304
7	Support Diffuser	Stainless Steel	AISI304
8	Inducer	Stainless Steel	AISI304
9	Inlet Outlet Chamber	Stainless Steel	AISI304
11	Bearing	Tungsten Carbide	
10	Base Plate	Cast Iron	ASTM25B
12	Impeller	Stainless Steel	AISI304
13	Shaft	Stainless Steel	AISI304/AISI316
14	Impeller Sleeve	Stainless Steel	AISI304
15	Cylinder	Stainless Steel	AISI304
16	Coupling	Carbon Steel	



CDLF

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## Performance Table

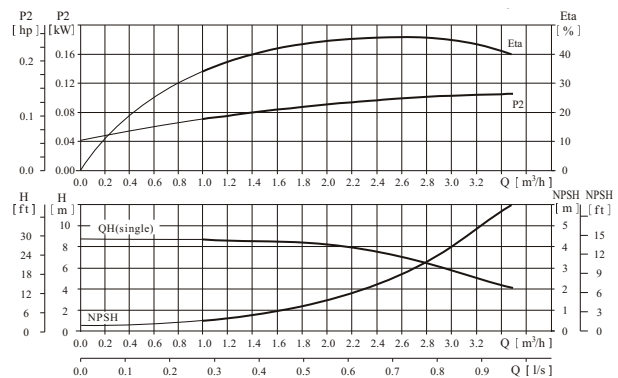
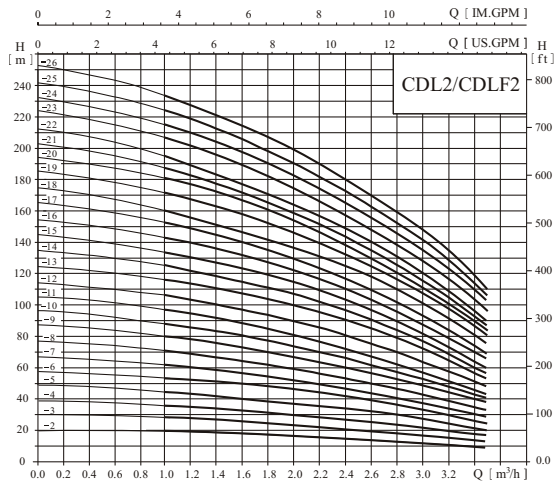
Model	Driving Motor		Q m <sup>3</sup> /h	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
	kW	hp									
BIA-CDL2-130	1.5	2	H (m)	116	14	106	98	89	78	65	52
BIA-CDLF2-150	1.5	2		134	130	123	112	100	90	73	60
BIA-CDLF2-180	2.2	3		161	157	148	136	121	108	91	76

Model	Driving Motor		Q m <sup>3</sup> /h	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
	kW	hp									
BIA-CDLF4-100	2.2	3	H (m)	96	90	87	81	71	62	48	34
BIA-CDLF4-120	2.2	3		114	108	104	95	85	75	58	41
BIA-CDLF4-140	3.0	4		136	126	122	112	101	89	68	48
BIA-CDLF4-160	3.0	4		152	144	140	129	115	101	78	55
BIA-CDLF4-190	4.0	5.5		183	171	168	153	137	122	93	67

Model	Driving Motor		Q m <sup>3</sup> /h	5	6	7	8	9	10	11	12
	kW	hp									
BIA-CDLF8-60	2.2	3	H (m)	62	60	57	54	51	48	43	39
BIA-CDLF8-80	3.0	4		83	80	77	73	69	65	58	52
BIA-CDLF8-100	4.0	5.5		104	100	97	92	87	81	73	65
BIA-CDLF8-120	4.0	5.5		124	120	116	111	104	92	87	78
BIA-CDLF8-140	5.5	7.5		145	141	136	130	122	113	102	92
BIA-CDLF8-160	5.5	7.5		166	161	156	148	139	130	118	106
BIA-CDLF8-180	7.5	10		187	182	175	167	157	146	134	120
BIA-CDLF8-200	7.5	10		208	202	195	186	175	163	150	135

Model	Driving Motor		Q m <sup>3</sup> /h	7	8	9	10	11	12	13	14	15	16
	kW	hp											
BIA-CDLF12-80	5.5	7.5	H (m)	95.5	94	91	88	84	80	75	70	63	56
BIA-CDLF12-100	7.5	10		120	118	114.5	111	106	101	94.5	88	80	72
BIA-CDLF12-120	7.5	10		135	141	137	133	127	121	113.5	106	96	86
BIA-CDLF12-140	11	15		136	165	160	155	148	141	132.5	124	112	100
BIA-CDLF12-160	11	15		192.5	189	183.5	178	170	162	152	142	128.5	115
BIA-CDLF12-180	11	15		217	213	207.5	202	192.5	183	171.5	160	145	130

Model	Driving Motor		Q m <sup>3</sup> /h	8	10	12	14	16	18	20	22
	kW	hp									
BIA-CDLF16-60	5.5	7.5	H (m)	82	80	78	71	70	64	58	52
BIA-CDLF16-80	7.5	10		110	108	104	99	94	86	77	70
BIA-CDLF16-100	11	15		138	136	131	125	118	109	97	87
BIA-CDLF16-120	11	15		166	162	157	150	141	130	116	105
BIA-CDLF16-140	15	20		194	190	184	175	166	152	136	122

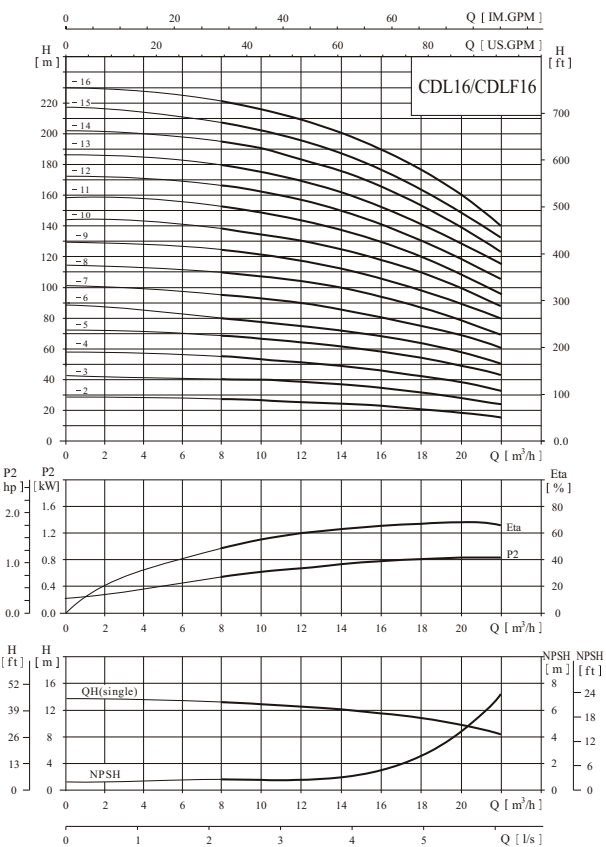
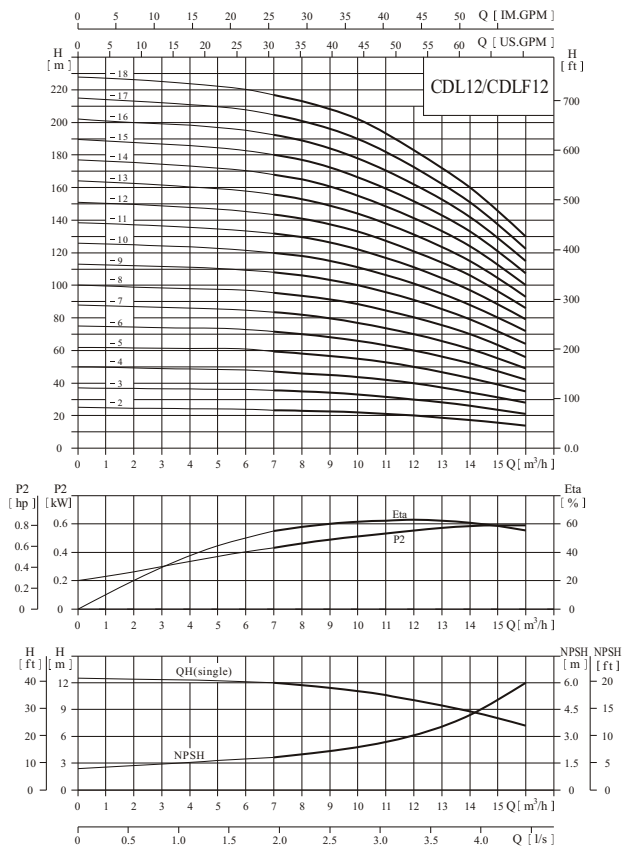
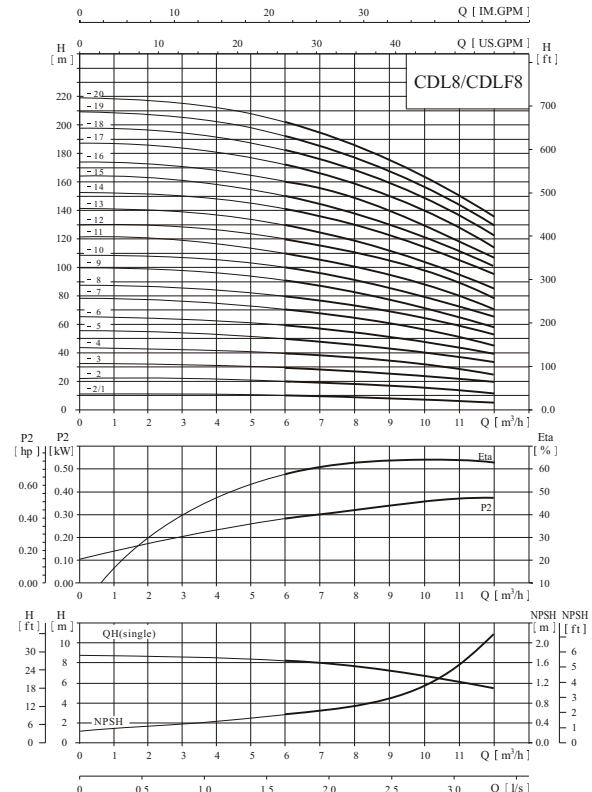
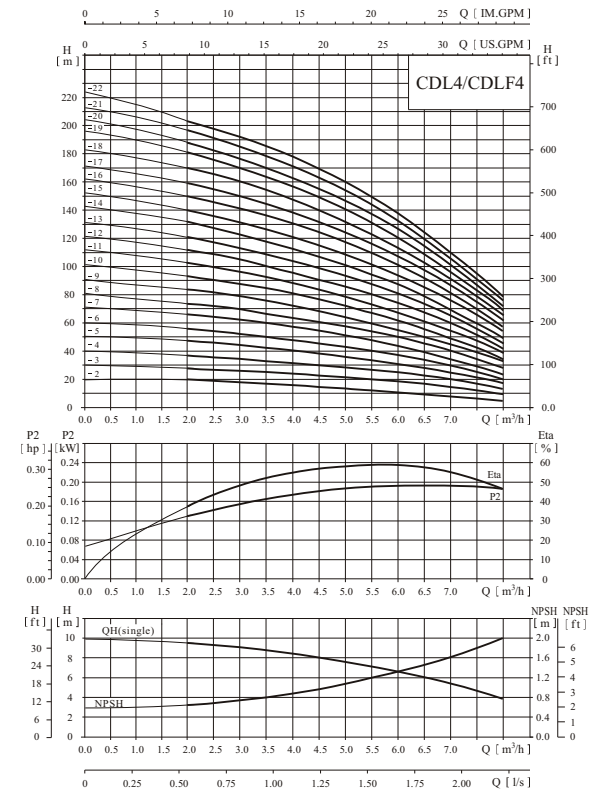


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