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# 洁冠 DL-CM 船用磁力联轴器多级立式离心泵 选型手册

JIEGUAN DL-CM Magnetic couplings multistage  
vertical centrifugal pumps in ships for selection manual

张家港市太平洋泵业制造有限公司

Zhangjiagang Pacific Pump Manufacturing Co., Ltd.

V1.0

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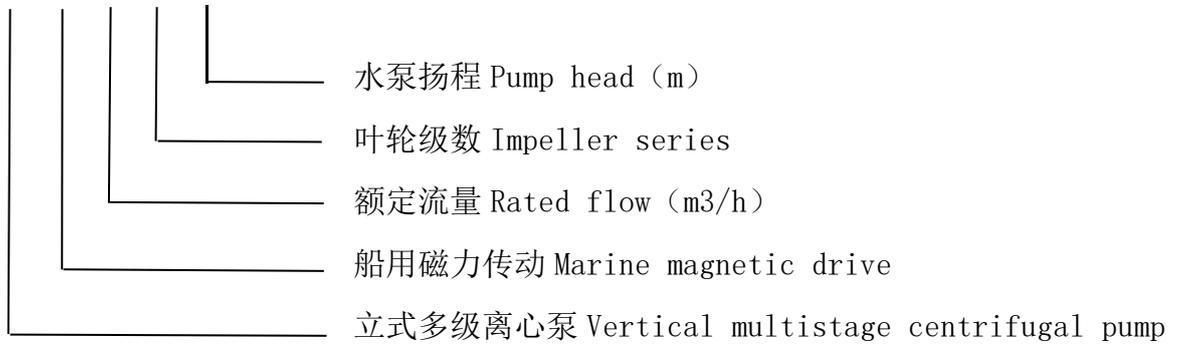
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## 一、概述 General information

### 1、泵命名 Pump designations

DL-CM □-□/□



示例：DL-CM4-11/100 表示流量 4m<sup>3</sup>/h，扬程 100m 的船用磁力离心泵。

Example: DL-CM4-11/100 represents a Marine magnetic centrifugal pump with a flow rate of 4m<sup>3</sup>/h and a head of 100m

## 二、用途 Function

### 1、应用场景 Applications

- 腐蚀性 Corrosive media
- 易燃 Combustible media
- 易爆 Explosive media
- 有毒 Toxic media

### 三、工作原理 Operating principle

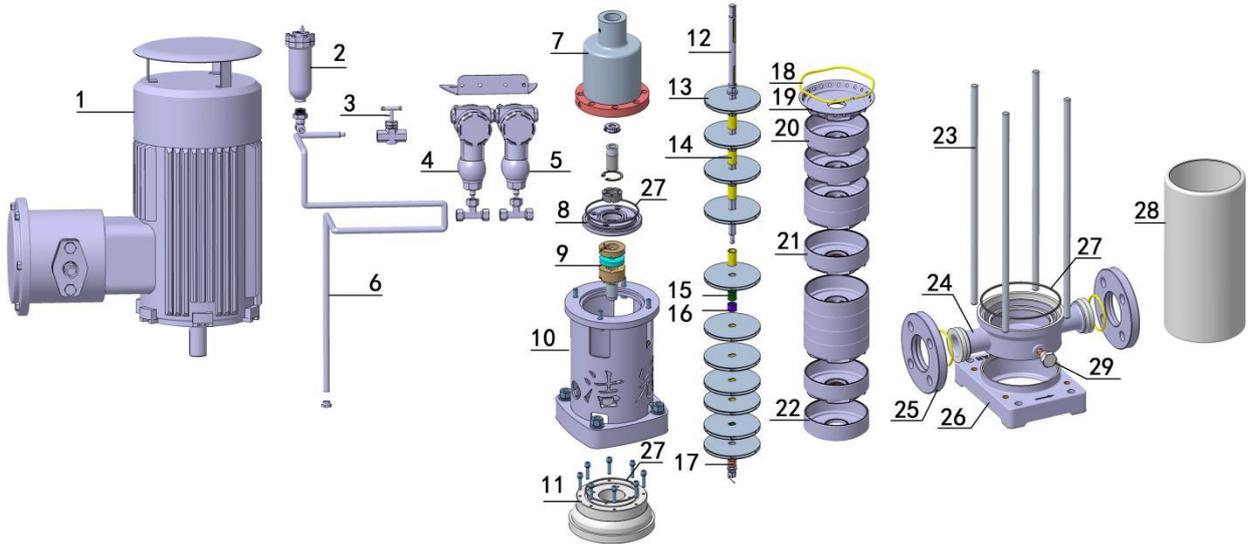
磁力传动联轴器属非接触式联轴器,它由内外 2 个磁体组成,中间由隔离罩将 2 个磁体分开,内磁体与被传动件相连,外磁体与动力件相连。

磁力传动联轴器具有弹性联轴器缓冲吸振的功能外,并可弥补原刚性联轴器噪音大的缺点,其最大的特点还在于它打破传统联轴器的结构形式,采用全新的磁耦合原理,实现主动轴与从动轴之间不通过直接接触便能进行力与力矩的传递,并将动密封化为静密封,实现零泄漏。因此它广泛应用于对泄漏有特殊要求的船舶场合。

The magnetic drive coupling is a non-contact coupling, which is composed of two magnets inside and outside, and the two magnets are separated by the isolation cover in the middle, the inner magnet is connected with the transmission part, and the outer magnet is connected with the power part.

The magnetic drive coupling has the function of elastic coupling buffered vibration absorption, and can make up for the shortcomings of the original rigid coupling noise, its biggest feature is that it breaks the traditional coupling structure, the use of a new magnetic coupling principle, to achieve the transmission of force and moment between the drive shaft and the driven shaft without direct contact, and can change the dynamic seal into a static seal. Achieve zero leakage. Therefore, it is widely used in ships with special requirements for leakage.

#### 四、部件清单 List of parts



序号 NO.	部件名称 Name of parts	材质 Material quality	商品编码 product code
1	电动机 Motor	防爆电动机 Explosion-proof motor	205700040362
2	自动排气阀 Automatic exhaust valve	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205406010010
3	带刻度微量调节阀 Graduated micro regulating valve	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	101200070010
4	防爆压力变送器 Explosion-proof pressure sensor	测量接触材质不锈钢 Measuring contact material Stainless Steel 022Cr17Ni12Mo2	101200070010
5	防爆温度传感器 Explosion-proof temperature sensor	测量接触材质不锈钢 Measuring contact material Stainless Steel 022Cr17Ni12Mo2	103010061020
6	冷却/排气管 Cooling/Air-out pipe	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	408016004010
7	磁力联轴器 Magnetic coupling	316L 不锈钢/钐钴 Stainless Steel/Samarium cobalt 022Cr17Ni12Mo2/Sm2co17	205222004032
8	压盖 Cover	316L 不锈钢铸件 Corrosion-resistanst steel castings ZG03Cr19Ni11Mo2	408075004010
9	止推轴承单元 Thrust bearing unit	YG8/石墨 YG8/graphite	102505004010
10	电机支架 Motor base	304 不锈钢 Stainless Steel 06Cr19Ni10	408195004030
11	泵盖 Pump cover	316L 不锈钢铸件 Corrosion-resistanst steel castings ZG03Cr19Ni11Mo2	408215004010

12	泵轴 Pump shaft	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	408146004130
13	叶轮 Impeller	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405016004010
14	长间级套 Long interstage sleeve	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205096004030
15	短间级套 Short interstage sleeve	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205096004020
16	滑动轴承 Sliding bearing	硬质合金 cemented carbide YG8-14.5	205467004021
17	末级套 Last instestage sleeve	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205096004040
18	波形弹簧 Waveform spring	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205334004010
19	出口导流器 Output deflector	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405036004010
20	普通导流器 Ordinary deflector	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405026004010
21	轴承导流器 Bearing deflector	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405056004013
22	底部导流器 Bottom deflector	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405046004010
23	长螺丝杆 Long screw rod	304 不锈钢 Stainless Steel 06Cr19Ni10	405516012470
24	进出水段 Suction an discharge section	316L 不锈钢铸件 Corrosion-resistanst steel castings ZG03Cr19Ni11Mo2	405186004011
25	活络法兰 Flexible flange	316L 不锈钢 Staniless stee 022Cr17Ni12Mo2	205636032010
26	进出水段座 Suction and discharge section base	304 不锈钢铸件 Corrosion-resistanst steel castings ZG07Cr19Ni10	405205004011
27	O 型密封圈 "O" ring seal	三元乙丙橡胶 Ethylene Propylene Diene Monomer	102511140051
28	压力壳 Pressure casing	316L 不锈钢 Cold rolled stainless steel plage 022Cr17Ni12Mo2	405156004130
29	检修丝堵 Repair Plug	316L 不锈钢 Stainless Steel 022Cr17Ni12Mo2	205405010011

## 五、技术规格性能参数表

### Technical specifications and performance parameters

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head(m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N. m)	必需汽蚀余量 NPSHr (m)
DL-CM2. 4/4	6	2.4/2.9	48/67	2840/3470	0.75/1.26	3.69/6.05	2
	7	2.4/2.9	56/78	2845/3470	0.87/1.47	5.04/6.05	2
	8	2.4/2.9	64/89	2845/3470	1.00/1.67	5.04/6.05	2
	9	2.4/2.9	72/100	2845/3490	1.11/1.88	5.04/8.21	2
	10	2.4/2.9	80/112	2845/3490	1.24/2.11	5.04/8.21	2
	11	2.4/2.9	88/123	2845/3490	1.36/2.31	7.38/8.21	2
	12	2.4/2.9	96/134	2845/3500	1.49/2.52	7.38/10.91	2
	13	2.4/2.9	104/145	2845/3500	1.61/2.73	7.38/10.91	2
	14	2.4/2.9	112/156	2860/3500	1.73/2.93	10.02/10.91	2
	15	2.4/2.9	120/168	2860/3500	1.86/3.16	10.02/10.91	2
	16	2.4/2.9	128/179	2860/3520	1.98/3.37	10.02/14.92	2
	17	2.4/2.9	136/190	2860/3520	2.10/3.57	10.02/14.92	2
	18	2.4/2.9	144/200	2860/3520	2.23/3.76	10.02/14.92	2
	19	2.4/2.9	152/212	2860/3520	2.35/3.99	10.02/14.92	2
	20	2.4/2.9	160/224	2870/3520	2.48/4.21	13.31/14.92	2
21	2.4/2.9	168/235	2870/3520	2.60/4.42	13.31/20.35	2	
22	2.4/2.9	176/246	2870/3520	2.72/4.63	13.31/20.35	2	
DL-CM2. 4/4	6	3/3.6	51/71	2845/3470	0.89/1.48	5.04/6.05	2
	7	3/3.6	60/83	2845/3490	1.04/1.73	5.04/8.21	2
	8	3/3.6	68/95	2845/3490	1.19/1.98	5.04/8.21	2
	9	3/3.6	77/107	2845/3490	1.33/2.23	7.38/8.21	2
	10	3/3.6	85/119	2845/3500	1.48/2.48	7.38/10.91	2
	11	3/3.6	94/130	2845/3500	1.63/2.71	7.38/10.91	2
	12	3/3.6	102/142	2860/3500	1.78/2.96	10.02/10.91	2
	13	3/3.6	110/154	2860/3520	1.93/3.21	10.02/14.92	2
	14	3/3.6	119/166	2860/3520	2.08/3.46	10.02/14.92	2
	15	3/3.6	127/177	2860/3520	2.23/3.69	10.02/14.92	2
	16	3/3.6	136/190	2860/3520	2.37/3.97	10.02/14.92	2
	17	3/3.6	144/201	2870/3520	2.52/4.20	13.31/14.92	2
	18	3/3.6	153/214	2870/3520	2.67/4.47	13.31/20.35	2
	19	3/3.6	161/225	2870/3520	2.82/4.70	13.31/20.35	2
	20	3/3.6	170/238	2870/3520	2.97/4.97	13.31/20.35	2
21	3/3.6	178/249	2870/3520	3.12/5.20	13.31/20.35	2	
22	3/3.6	187/261	2870/3520	3.27/5.45	13.31/20.35	2	

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM2. 4/4	6	4/4.8	48/67	2845/3490	1.11/1.86	5.04/8.21	2
	7	4/4.8	56/78	2845/3490	1.29/2.17	7.38/8.21	2
	8	4/4.8	64/89	2845/3500	1.48/2.48	7.38/10.91	2
	9	4/4.8	72/100	2845/3500	1.67/2.78	7.38/10.91	2
	10	4/4.8	80/112	2860/3500	1.85/3.12	10.02/10.91	2
	11	4/4.8	88/123	2860/3520	2.04/3.42	10.02/14.92	2
	12	4/4.8	96/134	2860/3520	2.22/3.73	10.02/14.92	2
	13	4/4.8	104/145	2860/3520	2.41/4.04	10.02/14.92	2
	14	4/4.8	112/156	2870/3520	2.59/4.34	13.31/14.92	2
	15	4/4.8	120/168	2870/3520	2.78/4.68	13.31/14.92	2
	16	4/4.8	128/179	2870/3520	2.97/4.98	13.31/20.35	2
	17	4/4.8	136/190	2870/3520	3.15/5.29	13.31/20.35	2
	18	4/4.8	144/201	2900/3520	3.34/5.59	18.11/20.35	2
	19	4/4.8	152/212	2900/3520	3.52/5.90	18.11/20.35	2
	20	4/4.8	160/224	2900/3520	3.71/6.23	18.11/20.35	2
21	4/4.8	168/235	2900/3520	3.89/6.54	18.11/29.68	2	
22	4/4.8	176/246	2900/3540	4.08/6.85	18.11/29.68	2	
DL-CM2. 4/4	6	5/6	45/63	2845/3490	1.25/2.10	7.38/8.21	2
	7	5/6	52/72	2845/3500	1.45/2.40	7.38/10.91	2
	8	5/6	60/84	2860/3500	1.67/2.81	10.02/10.91	2
	9	5/6	68/94	2860/3500	1.89/3.14	10.02/10.91	2
	10	5/6	75/105	2860/3520	2.09/3.50	10.02/14.92	2
	11	5/6	83/115	2860/3520	2.31/3.84	10.02/14.92	2
	12	5/6	90/126	2870/3520	2.50/4.20	13.31/14.92	2
	13	5/6	97/135	2870/3520	2.70/4.50	13.31/14.92	2
	14	5/6	105/147	2890/3520	2.92/4.90	13.31/20.35	2
	15	5/6	112/156	2890/3520	3.11/5.20	13.31/20.35	2
	16	5/6	120/168	2900/3520	3.34/5.61	18.11/20.35	2
	17	5/6	127/177	2900/3520	3.53/5.91	18.11/20.35	2
	18	5/6	135/189	2900/3540	3.75/6.31	18.11/29.68	2
	19	5/6	142/198	2900/3540	3.95/6.61	18.11/29.68	2
	20	5/6	150/210	2900/3540	4.17/7.01	18.11/29.68	2
21	5/6	157/219	2900/3540	4.37/7.31	18.11/29.68	2	
22	5/6	165/231	2915/3540	4.59/7.71	24.57/29.68	2	

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM6/12	2	6/7.2	18/26	2840/3470	0.59/0.99	3.69/4.13	2
	3	6/7.2	27/38	2845/3470	0.88/1.45	5.04/6.05	2
	4	6/7.2	36/51	2845/3470	1.17/1.95	5.04/8.21	2
	5	6/7.2	45/63	2845/3470	1.47/2.40	7.38/8.21	2
	6	6/7.2	54/76	2860/3500	1.77/2.90	10.02/10.91	2
	7	6/7.2	63/88	2860/3500	2.06/3.36	10.02/10.91	2
	8	6/7.2	72/101	2860/3520	2.35/3.85	10.02/14.92	2
	9	6/7.2	81/113	2870/3520	2.64/4.31	13.31/14.92	2
	10	6/7.2	90/126	2870/3520	2.94/4.81	13.31/14.92	2
	11	6/7.2	99/139	2870/3520	3.24/5.30	13.31/20.35	2
	12	6/7.2	108/151	2900/3520	3.53/5.76	18.11/20.35	2
	13	6/7.2	117/164	2900/3520	3.83/6.26	18.11/20.35	2
	14	6/7.2	126/177	2900/3520	4.12/6.75	18.11/20.35	2
	15	6/7.2	135/189	2900/3540	4.41/7.21	18.11/29.68	2
	16	6/7.2	144/202	2900/3540	4.71/7.71	18.11/29.68	2
	17	6/7.2	153/214	2915/3540	5.00/8.16	24.57/29.68	2
	18	6/7.2	162/227	2915/3540	5.30/8.66	24.57/29.68	2
	19	6/7.2	171/240	2915/3540	5.59/9.16	24.57/29.68	2
	20	6/7.2	180/252	2915/3540	5.89/9.61	24.57/29.68	2
	21	6/7.2	189/265	2915/3540	6.18/10.10	24.57/40.47	2
	22	6/7.2	198/277	2930/3540	6.47/10.57	35.85/40.47	2
	DL-CM6/12	2	8/9.6	16/23	2840/3470	0.67/1.16	3.69/4.13
3		8/9.6	24/34	2845/3490	1.01/1.71	5.04/8.21	2
4		8/9.6	32/45	2845/3490	1.34/2.26	7.38/8.21	2
5		8/9.6	40/56	2845/3500	1.68/2.82	7.38/10.91	2
6		8/9.6	48/67	2860/3520	2.01/3.37	10.02/14.92	2
7		8/9.6	56/78	2860/3520	2.35/3.92	10.02/14.92	2
8		8/9.6	64/90	2870/3520	2.68/4.53	13.31/14.92	2
9		8/9.6	72/101	2870/3520	3.02/5.08	13.31/20.35	2
10		8/9.6	80/112	2890/3520	3.35/5.63	18.11/20.35	2
11		8/9.6	88/123	2890/3520	3.69/6.19	18.11/20.35	2
12		8/9.6	96/134	2890/3540	4.02/6.75	18.11/29.68	2
13		8/9.6	104/146	2900/3540	4.36/7.34	18.11/29.68	2
14		8/9.6	112/157	2900/3540	4.70/7.90	18.11/29.68	2
15		8/9.6	120/168	2900/3540	5.03/8.45	24.57/29.68	2
16		8/9.6	128/179	2900/3540	5.37/9.00	24.57/29.68	2
17		8/9.6	136/195	2900/3540	5.70/9.81	24.57/40.47	2
18		8/9.6	144/202	2900/3540	6.04/10.16	24.57/40.47	2
19		8/9.6	152/213	2900/3540	6.37/10.71	24.57/40.47	2
20		8/9.6	160/224	2900/3540	6.71/11.27	24.57/40.47	2
21		8/9.6	168/235	2900/3540	7.04/11.82	35.85/40.47	2
22		8/9.6	173/242	2900/3540	7.25/12.17	35.85/40.47	2

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM6/12	2	10/12	14/19	2840/3470	0.72/1.17	3.69/4.13	2.3
	3	10/12	20/29	2845/3470	1.03/1.79	5.04/8.21	2.3
	4	10/12	27/38	2845/3470	1.39/2.34	7.38/8.21	2.3
	5	10/12	34/48	2845/3470	1.75/2.96	7.38/10.91	2.3
	6	10/12	41/57	2860/3470	2.11/3.52	10.02/14.92	2.3
	7	10/12	48/67	2860/3470	2.47/4.13	10.02/14.92	2.3
	8	10/12	54/76	2870/3500	2.78/4.69	13.31/20.35	2.3
	9	10/12	61/86	2870/3500	3.14/5.31	13.31/20.35	2.3
	10	10/12	68/95	2900/3520	3.50/5.86	18.11/20.35	2.3
	11	10/12	75/104	2900/3520	3.86/6.42	18.11/29.68	2.3
	12	10/12	82/114	2900/3520	4.22/7.03	18.11/29.68	2.3
	13	10/12	88/124	2900/3520	4.52/7.65	18.11/29.68	2.3
	14	10/12	95/133	2915/3520	4.88/8.21	24.57/29.68	2.3
	15	10/12	102/143	2915/3520	5.24/8.82	24.57/29.68	2.3
	16	10/12	109/153	2915/3520	5.60/9.44	24.57/29.68	2.3
	17	10/12	115/161	2915/3540	5.91/9.93	24.57/40.47	2.3
	18	10/12	122/171	2930/3540	6.27/10.55	35.85/40.47	2.3
	19	10/12	129/181	2930/3540	6.63/11.17	35.85/40.47	2.3
	20	10/12	136/190	2930/3540	6.99/11.72	35.85/40.47	2.3
	21	10/12	143/200	2930/3540	7.35/12.34	35.85/40.47	2.3
	22	10/12	150/210	2930/3540	7.71/12.96	35.85/40.47	2.3
	DL-CM12.5/18	2	12/14.4	36/50	2860/3520	2.18/3.70	10.02/14.92
3		12/14.4	54/76	2870/3520	3.26/5.63	13.31/20.35	2.3
4		12/14.4	72/101	2900/3540	4.36/7.45	18.11/29.68	2.3
5		12/14.4	90/126	2915/3540	5.45/9.33	24.57/29.68	2.3
6		12/14.4	108/151	2930/3540	6.54/11.18	35.85/40.47	2.3
7		12/14.4	126/176	2930/3540	7.63/13.03	35.85/49.77	2.3
8		12/14.4	144/202	2930/3550	8.72/14.96	35.85/49.77	2.3
9		12/14.4	162/227	2930/3560	9.81/16.80	48.89/59.02	2.3
10		12/14.4	180/252	2930/3560	10.90/18.66	48.89/59.02	2.3
11		12/14.4	198/277	2930/3560	11.99/20.51	48.89/80.48	2.3
12		12/14.4	216/303	2930/3550	13.08/22.43	48.89/80.48	2.3
13		12/14.4	234/328	2945/3560	14.17/24.28	62.1/80.48	2.3
14		12/14.4	252/353	2950/3560	15.26/26.13	62.1/80.48	2.3

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM12.5/18	2	12.5/15	32/45	2860/3520	2.02/3.41	10.02/14.92	2.5
	3	12.5/15	48/67	2870/3520	3.03/5.07	13.31/20.35	2.5
	4	12.5/15	64/90	2900/3540	4.04/6.81	18.11/29.68	2.5
	5	12.5/15	80/112	2915/3540	5.05/8.48	24.57/29.68	2.5
	6	12.5/15	96/134	2915/3540	6.06/10.14	24.57/40.47	2.5
	7	12.5/15	112/157	2930/3540	7.06/11.88	35.85/40.47	2.5
	8	12.5/15	128/180	2930/3550	8.07/13.62	35.85/49.77	2.5
	9	12.5/15	144/202	2930/3550	9.08/15.29	35.85/49.77	2.5
	10	12.5/15	160/224	2930/3560	10.09/16.95	48.89/59.02	2.5
	11	12.5/15	176/246	2930/3560	11.10/18.62	48.89/59.02	2.5
	12	12.5/15	192/269	2930/3560	12.11/20.36	48.89/80.48	2.5
	13	12.5/15	208/291	2930/3560	13.12/22.03	62.1/80.48	2.5
	14	12.5/15	224/314	2930/3560	14.13/23.77	62.1/80.48	2.5
	DL-CM12.5/18	2	16/19	27/38	2860/3520	2.14/3.57	10.02/14.92
3		16/19	40/56	2870/3520	3.17/5.27	13.31/20.35	2.5
4		16/19	54/76	2900/3540	4.28/7.15	18.11/29.68	2.5
5		16/19	67/94	2915/3540	5.31/8.85	24.57/29.68	2.5
6		16/19	80/112	2915/3540	6.34/10.54	24.57/40.47	2.5
7		16/19	94/132	2930/3540	7.45/12.43	35.85/40.47	2.5
8		16/19	107/150	2930/3550	8.48/14.12	35.85/49.77	2.5
9		16/19	121/170	2930/3550	9.59/16.00	35.85/49.77	2.5
10		16/19	134/188	2930/3560	10.62/17.70	48.89/59.02	2.5
11		16/19	147/206	2930/3560	11.65/19.39	48.89/80.48	2.5
12		16/19	161/225	2930/3560	12.76/21.18	48.89/80.48	2.5
13		16/19	174/244	2930/3560	13.79/22.97	62.1/80.48	2.5
14		16/19	187/262	2930/3560	14.82/24.66	62.1/80.48	2.5
DL-CM12.5/18		2	18/22	32/45	2870/3520	2.80/4.82	13.31/20.35
	3	18/22	48/67	2900/3540	4.20/7.18	18.11/29.68	2.5
	4	18/22	64/90	2915/3540	5.61/9.63	24.57/29.68	2.5
	5	18/22	80/112	2930/3540	7.01/11.99	35.85/40.47	2.5
	6	18/22	86/121	2930/3540	7.53/12.95	35.85/40.47	2.5
	7	18/22	112/157	2930/3560	9.81/16.81	48.89/59.02	2.5
	8	18/22	128/179	2930/3560	11.21/19.16	48.89/59.02	2.5
	9	18/22	144/202	2930/3560	12.61/21.62	48.89/80.48	2.5
	10	18/22	160/224	2930/3560	14.01/23.98	62.1/80.48	2.5
	11	18/22	176/246	2930/3560	15.41/26.33	62.1/80.48	2.5
	12	18/22	192/269	2945/3560	16.82/28.80	71.34/98.98	2.5
	13	18/22	208/291	2945/3560	18.22/31.15	71.34/98.98	2.5
	14	18/22	224/314	2950/3580	19.62/33.61	97.12/120.04	2.5

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head(m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM12.5/18	2	24/29	26/36	2870/3520	2.93/4.90	13.31/20.35	2.8
	3	24/29	39/55	2900/3540	4.40/7.49	18.11/29.68	2.8
	4	24/29	52/73	2915/3540	5.86/9.95	24.57/40.47	2.8
	5	24/29	65/91	2930/3540	7.33/12.40	35.85/40.47	2.8
	6	24/29	78/110	2930/3550	8.79/14.99	35.85/49.77	2.8
	7	24/29	91/127	2930/3560	10.26/17.30	48.89/59.02	2.8
	8	24/29	104/146	2930/3560	11.73/19.89	48.89/80.48	2.8
	9	24/29	117/164	2930/3560	13.19/22.34	62.1/80.48	2.8
	10	24/29	130/182	2930/3560	14.66/24.80	62.1/80.48	2.8
	11	24/29	143/200	2945/3570	16.12/27.25	71.34/98.98	2.8
	12	24/29	156/218	2945/3570	17.58/29.70	71.34/98.98	2.8
	13	24/29	169/237	2945/3570	19.05/32.29	71.34/98.98	2.8
	14	24/29	182/255	2950/3580	20.52/34.74	97.12/120.04	2.8
	DL-CM25/45	2	25/30	32/44	2900/3540	3.76/6.20	18.11/29.68
3		25/30	48/67	2915/3540	5.64/9.44	24.57/40.47	2.8
4		25/30	64/89	2930/3540	7.52/12.54	35.85/40.47	2.8
5		25/30	80/112	2930/3550	9.40/15.79	48.89/49.77	2.8
6		25/30	96/134	2930/3560	11.28/18.89	48.89/59.02	2.8
7		25/30	112/156	2930/3560	13.15/21.99	62.1/80.48	2.8
8		25/30	128/179	2930/3560	15.03/25.23	62.1/80.48	2.8
9		25/30	144/201	2945/3570	16.91/28.33	71.34/98.98	2.8
10		25/30	160/224	2945/3570	18.79/31.57	71.34/98.98	2.8
11		25	176	2950	20.67	97.12	2.8
12		25	192	2950	22.55	97.12	2.8
13		25	208	2950	24.43	97.12	2.8
14		25	224	2950	26.31	97.12	2.8
DL-CM25/45		2	30/36	30/42	2900/3540	4.15/6.98	18.11/29.68
	3	30/36	45/63	2930/3540	6.23/10.47	35.85/40.47	3.0
	4	30/36	60/84	2930/3550	8.31/13.97	35.85/49.77	3.0
	5	30/36	75/105	2930/3560	10.39/17.46	48.89/59.02	3.0
	6	30/36	90/126	2930/3560	12.47/20.95	48.89/80.48	3.0
	7	30/36	105/147	2930/3560	14.55/24.44	62.1/80.48	3.0
	8	30/36	120/168	2945/3570	16.63/27.93	71.34/98.98	3.0
	9	30/36	135/189	2945/3570	18.70/31.42	71.34/98.98	3.0
	10	30/36	150/210	2950/3580	20.78/34.91	97.12/120.04	3.0
	11	30	165	2950	22.86	97.12	3.0
	12	30	180	2950	24.94	97.12	3.0
	13	30	195	2955	27.02	119.58	3.0
	14	30	210	2955	29.10	119.58	3.0

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N.m)	必需汽蚀余量 NPSHr (m)
DL-CM25/45	2	36/43	26/36	2900/3540	4.25/7.03	18.11/29.68	3.0
	3	36/43	39/54	2930/3540	6.38/10.54	35.85/40.47	3.0
	4	36/43	52/72	2930/3550	8.50/14.06	35.85/49.77	3.0
	5	36/43	65/91	2930/3560	10.63/17.77	48.89/59.02	3.0
	6	36/43	78/109	2930/3560	12.75/21.28	48.89/80.48	3.0
	7	36/43	91/127	2930/3560	14.88/24.80	62.1/80.48	3.0
	8	36/43	104/145	2930/3570	17.00/28.31	62.1/98.98	3.0
	9	36/43	117/163	2945/3570	19.12/31.83	71.34/98.98	3.0
	10	36/43	130/182	2950/3580	21.25/35.54	97.12/120.04	3.0
	11	36	143	2950	23.38	97.12	3.0
	12	36	156	2950	25.50	97.12	3.0
	13	36	169	2955	27.63	119.58	3.0
	14	36	182	2955	29.75	119.58	3.0
	DL-CM25/45	2	42/50	32/44	2915/3540	6.00/9.83	24.57/40.47
3		42/50	48/67	2930/3550	9.01/14.96	35.85/49.77	3.0
4		42/50	64/89	2930/3560	12.01/19.88	48.89/80.48	3.0
5		42/50	80/112	2930/3560	15.01/25.01	62.1/80.48	3.0
6		42/50	96/134	2945/3570	18.01/29.93	71.34/98.98	3.0
7		42/50	112/156	2950/3580	21.01/34.84	97.12/120.04	3.0
8		42/50	128/179	2950/3580	24.01/39.98	97.12/146.72	3.0
9		42/50	144/201	2955/3580	27.01/44.89	119.58/146.72	3.0
10		42/50	160/224	2955/3580	30.01/50.02	119.58/200.07	3.0
11		42	176	2960	33.02	145.19	3.0
12		42	192	2960	36.02	145.19	3.0
DL-CM25/45		2	50/60	27/37	2915/3540	5.93/9.76	24.57/40.47
	3	50/60	41/56	2930/3550	9.01/14.77	35.85/49.77	3.5
	4	50/60	54/75	2930/3560	11.87/19.78	48.89/80.48	3.5
	5	50/60	68/94	2930/3560	14.94/24.79	62.1/80.48	3.5
	6	50/60	81/113	2945/3570	17.80/29.80	71.34/98.98	3.5
	7	50/60	95/132	2940/3580	20.88/34.81	97.12/120.04	3.5
	8	50/60	108/151	2950/3580	23.73/39.82	97.12/120.04	3.5
	9	50/60	122/170	2950/3580	26.81/44.83	97.12/146.72	3.5
	10	50/60	135/189	2950/3580	29.67/49.84	119.58/200.07	3.5
	11	50	149	2955	32.74	119.58	3.5
	12	50	162	2960	35.60	145.19	3.5

型号 Type	级数 Series	流量 Capacity (m <sup>3</sup> /h)	扬程 Head (m)	额定转速 Rated Rev (r/min)	轴功率 Shaft power (kW)	输出扭矩 Torque (N. m)	必需汽蚀余量 NPSHr (m)
DL-CM90/120	1	60/72	17/23	2900/3540	4.41/7.16	18.11/29.68	3.5
	2	60/72	34/47	2930/3550	8.82/14.64	35.85/49.77	3.5
	3	60/72	51/71	2930/3560	13.23/22.11	62.1/80.48	3.5
	4	60/72	68/95	2945/3570	17.65/29.58	71.34/98.98	3.5
	5	60/72	85/119	2950/3580	22.06/37.06	97.12/120.04	3.5
	6	60/72	102/142	2950/3580	26.47/44.22	97.12/146.72	3.5
	7	60/72	119/166	2955/3580	30.88/51.69	119.58/200.07	3.5
	8	60/72	136/190	2960/3580	35.29/59.17	145.19/200.07	3.5
	9	60/72	153/214	2960/3580	39.70/66.64	145.19/200.07	3.5
	10	60	170	2960	44.12	177.45	3.5
DL-CM90/120	1	72/86	14/19	2915/3540	4.36/7.07	24.57/29.68	4.0
	2	72/86	28/39	2930/3550	8.72/14.51	35.85/49.77	4.0
	3	72/86	42/58	2930/3560	13.08/21.57	62.1/80.48	4.0
	4	72/86	56/78	2945/3570	17.44/29.01	71.34/98.98	4.0
	5	72/86	70/98	2950/3580	21.80/36.45	97.12/120.04	4.0
	6	72/86	84/117	2950/3580	26.16/43.52	97.12/146.72	4.0
	7	72/86	98/137	2955/3580	30.52/50.96	119.58/200.07	4.0
	8	72/86	110/154	2955/3580	34.25/57.28	119.58/200.07	4.0
	9	72/86	124/173	2960/3580	38.61/64.35	145.19/200.07	4.0
	10	72	140	2960	43.60	177.45	4.0
DL-CM90/120	1	90/108	23/32	2930/3550	8.68/14.49	35.85/49.77	5.0
	2	90/108	45/63	2945/3570	16.98/28.52	71.34/98.98	5.0
	3	90/108	68/95	2950/3580	25.65/43.01	97.12/146.72	5.0
	4	90/108	90/126	2960/3580	33.96/57.04	145.19/200.07	5.0
	5	90/108	113/158	2960/3580	42.63/71.53	177.45/240.08	5.0
	6	90/108	135/189	2965/3580	50.93/85.57	241.57/293.44	5.0
DL-CM90/120	1	108/130	19/26	2930/3550	8.60/14.16	35.85/49.77	5.5
	2	108/130	37/52	2945/3570	16.75/28.34	71.34/98.98	5.5
	3	108/130	56/78	2950/3580	25.35/42.50	97.12/146.72	5.5
	4	108/130	74/103	2955/3580	33.50/56.13	145.19/200.07	5.5
	5	108/130	93/129	2960/3580	42.10/70.30	177.45/240.08	5.5
	6	108/130	111/155	2960/3580	50.25/84.47	177.45/293.44	5.5
DL-CM90/120	1	120/144	14/20	2930/3540	6.94/11.89	35.85/40.47	6.0
	2	120/144	28/39	2930/3560	13.87/23.18	62.1/80.48	6.0
	3	120/144	42/59	2950/3580	20.80/35.08	97.12/120.04	6.0
	4	120/144	56/78	2955/3580	27.74/46.37	119.58/146.72	6.0
	5	120/144	70/98	2960/3580	34.68/58.26	145.19/200.07	6.0
	6	120/144	84/117	2960/3580	41.62/69.56	177.45/240.08	6.0

注：输出扭矩计算公式  $T=P*9550/n$

式中：P—功率，单位 KW；n—电机的额定转速，单位 r/min；T—转矩（扭矩），单位 N.m。

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