

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
1	Lanzhou Refinery Plant	MCL1004-1	1	Air	0.0798/22	0.313/207	57000	3200/6	1982
2	Heilongjiang Refinery Plant	MCL405+MCL355	1	Coking gas	0.127/40	1.569/130	3600	750(Turbine)	1982
3	Fushun No.2 Petroleum Plant	2MCL457-2	1	Coking gas	0.152/40	1.47/130	5200	850(Turbine)	1983
4	Daqing General Petrochemical Plant	2MCL457-3	1	Coking gas	0.137/40	1.222/120.3	6050	830(Turbine)	1983
5	Jinzhou No.6 Petroleum Plant	MCL303	1	C2H3	0.882/15.5	1.457/45	14837	630/6	1983
6	Dalian No.7 Petroleum Plant	2MCL457-4	1	Rich gas	0.176/40	1.76/104	18780	2579(Turbine)	1984
7	Jinzhou No.6 Petroleum Plant	MCL303	1	C2H3	0.882/15.5	1.4057/45	14837	450/6	1984
8	Dalian No.7 Petroleum Plant	2MCL457	1	Coking gas	0.176/40	1.76/98	19930	2490(Turbine)	1984
9	Jingmen Refinery Plant	2MCL457-5	1	Rich gas	0.176/40	1.608/98	18780	2579(Turbine)	1985
10	Tianjin Refinery Plant	2MCL356-1	1	Rich gas	0.147/40	1.47/106	5400	780(Turbine)	1985
11	Zhejiang Refinery Plant	MCL353-1	1	C3H3	0.902/25.7	1.596/54.6	2637	1000/6	1985
12	Daqing Chemical Plant	MCL703-1	2	lighter hydrocarbon	0.137/40	0.49/82	17000	1250/6	1985
13	Dalian No.7 Petroleum Plant	MCL1003-1	1	Air	0.098/26.4	0.333	20560	2500/6	1985
14	Jinxi No.5 Refinery Plant	MCL1003	1	Air	0.098/26.4	0.333	20560	2500/6	1985
15	Zhejiang Refinery Plant	MCL353	1	C3H3	0.902/25.7	1.596/56.4	25830	1000/6	1985
16	Dalian No.7 Petroleum Plant	MCL1003	1	Air	0.0980/26.4	0.333	20560	2500/6	1985
17	Tianjin Refinery Plant	2MCL356-1	1	Rich gas	0.147/40	1.47/106	5400	810(Turbine)	1985
18	Yangzi Chemical Co.,	2MCL456+2MCL456	1	Rich gas	0.103/15	2.509/45	11055	2200/6	1985
19	Dalian No.7 Petroleum PlantCentrifugal	MCL1003	1	Air	0.098/26.4	0.333	20560	2500/6	1985
20	Nanjing Refinery Plant	2MCL456-1	1	Rich gas	0.235/40	1.569/97	20599	3600(Turbine)	1986

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					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
21	Fushun No.2 Petroleum Plant	2MCL456	1	Rich gas	0.235/40	1.372/92	24000	2000(Turbine)	1986
22	Fushun No.1 Petroleum Plant	2MCL456	1	Rich gas	0.235/40	1.372/92	24000	2000(Turbine)	1986
23	Anqing General Chemical Plant	MCL353	1	Propane(CH <sub>4</sub> )	0.902/25.7	1.569/55	26370	1000/6	1986
24	Shanghai Refinery Plant	2MCL456	1	Rich gas	0.2350/40	1.596/97	20599	1800	1986
25	Dalian No.7 Petroleum Plant	2MCL527	1	Rich gas	0.216/40	1.569/102	24000	2450(Turbine)	1987
26	Lanzhou Refinery Plant	2MCL456	1	Rich gas	0.157/40	1.372/102	12000	1600/6	1987
27	Lanzhou Refinery Plant	MCL1003	1	Air	0.083/9.3	0.324/192	56100	3200/6	1987
28	Maoming Refinery Plant	2MCL456	1	Rich gas	0.196/40	1.47/93	13200	2000(Turbine)	1987
29	Cangzhou Refinery Plant	2MCL456	1	Rich gas	0.157/40	1.596/107	10200	1276(Turbine)	1987
30	Jinxi Refinery Plant Plant	2MCL527	1	Rich gas	0.142/40	1.569/107	16000	2163(Turbine)	1987
31	Tianjin Refinery Plant	2MCL456	1	Rich gas	0.255/40	1.372/97	24000	1800(Turbine)	1987
32	Fushun No.2 Petroleum Plant	3MCL405	1	Isobutane	0.103/-2.27	0.539/55	8558	710(Turbine)	1987
33	Fushun No.2 Petroleum Plant	3MCL405	1	Alkylate	0.103/-2.27	0.539/55	8558	710(Turbine)	1987
34	Cangzhou Refinery Plant	2MCL456	1	Rich gas	0.157/40	1.596/102	10200	1276(Turbine)	1987
35	Maoming Refinery Plant	2MCL456	1	Rich gas	0.196/40	1.47/93	13200	2000(Turbine)	1987
36	Lanzhou Refinery Plant	2MCL456	1	Rich gas	0.157/40	1.372/102	12000	1600(Turbine)	1987
37	Tianjin Refinery Plant	2MCL456	1	Rich gas	0.20/40	1.372/97	19090	1800(Turbine)	1987
38	Anqing Refinery Plant	2MCL405+MCL355	1	Rich gas	0.0127/40	1.569/121	3730	750(Turbine)	1988
39	Shengli Refinery Plant	2MCL457	1	Rich gas	0.127/40	1.275/96	19600	1956(Turbine)	1988
40	Nanjing Refinery Plant	2MCL456	1	Rich gas	0.201/40	1.596/102	18000	2200(Turbine)	1988

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					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
41	Nanjing Oil Refinery Plant	2MCL456	1	Coking gas	0.127/40	1.029/100	5700	800(Turbine)	1988
42	Guangzhou General Petrochemical Plant	MCL403	1	Isobutane	0.892/21.5	1.637/50	51100	1250(Turbine)	1988
43	Maoming Refinery Plant	2MCL527	1	Rich gas	0.216/40	1.569/102	24000	2600(Turbine)	1988
44	Anshan Refinery Plant	2MCL305+2MCL306	1	Rich gas	0.127/40	1.569/122	2340	605(Turbine)	1988
45	Nanjing Refinery Plant	2MCL904	1	Air	0.096/33.8	0.392/233.5	63540	4200/6	1988
46	Nanjing Refinery Plant	2MCL527	1	Rich gas	0.157/40	1.569/119	24000	3190(Turbine)	1988
47	Changling Refinery Plant	MCL904	1	Air	0.096/33.8	0.392/233.5	63540	4200/6	1988
48	Changling Refinery Plant	2MCL527	1	Rich gas	0.157/40	1.569/119	24000	3190(Turbine)	1988
49	Zhenhai General Petrochemical Plant	MCL903	1	Air	0.096/16.3	0.314/160	66720	3515(Turbine)	1988
50	Guangzhou General Petrochemical Plant	2MCL527	1	Rich gas	0.157/40	1.569/120	2544	3230(Turbine)	1988
51	Guangzhou General Petrochemical Plant	MCL904	1	Air	0.096/33	0.333/200	66000	4190(Turbine)	1988
52	Linyuan Refinery Plant	2MCL456	1	Rich gas	0.216/40	1.37/87	13200	2395(Turbine)	1988
53	Zhibo Pertochemical Plant	MCL524	1	Air	0.097/30	0.324	21570	1600(Turbine)	1988
54	Shengli Refinery	2MCL457	1	Rich gas	0.186/40	1.27/96	19800	1956(Turbine)	1988
55	Jilin Qianguo Refinery	2MCL456	1	Rich gas	0.216/40	1.372/100	14400	1338(Turbine)	1989
56	Jihua Refinery	2MCL456	1	Rich gas	0.216/40	1.57/93	11100	1120(Turbine)	1989
57	Xinjiang Dushanzi Refinery	2MCL457	1	Rich gas	0.157/40	1.57/108	12000	1900(Turbine)	1989
58	Fushun No.3 Petroleum Plant	2MCL406	1	Rich gas	0.157/40	1.57/105	5400	760(Turbine)	1989
59	Hangzhou Refinery	MCL405+MCL356	1	Rich gas	0.157/40	1.57/113	3050	480(Turbine)	1989
60	Shanghai Gaoqiao Refinery	2MCL457	1	Rich gas	0.18/40	1.57/103	17400	1547(Turbine)	1989

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					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
61	Shengli Refinery	MCL524	2	Air	0.095/19.3	0.392/216.5	54000	2000/6	1989
62	Hunan Changlin Refinery	2MCL527	1	Rich gas	0.157/40	1.57/119	27000	3050(Turbine)	1989
63	Jiujiang Refinery	MCL403	1	Propane(CH <sub>4</sub> )	0.892/21.5	1.64/48.3	51100	1160(Turbine)	1989
64	Jinzhou Refinery	2MCL527	1	Rich gas	0.157/40	1.57/119	27400	3094(Turbine)	1989
65	Jilin Qianguo Refinery	MCL804	1	Air	0.096/20	0.343/194	57000	4500/6	1989
66	Guangzhou General Petrochemical Plant	2MCL527	1	Rich gas	0.157/40	1.569/119	27400	3000(Turbine)	1989
67	Liaohe Asphalt Plant	2MCL456	1	Rich gas	0.216/40	1.372/91.5	15000	1237(Turbine)	1989
68	Jilin Refinery	MCL804	1	Air	0.096/20	0.343/194	57000	4500/6	1989
69	Liaohe Asphalt Plant	2MCL456	1	Rich gas	0.2156/40	1.568	13200	1230(Turbine)	1989
70	Lanzhou Chemical Industry Co.	2MCL457	1	Rich gas	0.090/20	0.834	9500	1600/6	1989
71	Guangzhou General Petrochemical Plant	MCL402	1	C <sub>3</sub> H <sub>8</sub>	0.892/22.4	1.637/49	43260	3090(Turbine)	1990
72	Fushun No.2 Petroleum Plant	2MCL456	1	Rich gas	0.1764/40	1.274/88	13800	1500(Turbine)	1990
73	Zhenhai General Petrochemical Plant	2MCL457	1	Rich gas	0.1569/40	1.4706/120	6300	1000/6	1990
74	Guangxi Beihai Chemical Plant	MCL405+MCL355	1	Rich gas	0.1372/40	1.569/115	6000	935(Turbine)	1991
75	Daqing Oilfield Chemical Catalyst Plant	MCL804	1	Air	0.0967/20	0.343/92	58450	4500/6	1991
76	Daqing Oilfield Chemical Catalvst Plant	2MCL456	1	Rich gas	0.2157/40	1.373/91	14275	1630(Turbine)	1991
77	Yan'an Refinery	2MCL456	1	Rich gas	0.157/40	1.57/113	6500	800(Turbine)	1991
78	Henan Nanyang Refinery	2MCL356-1	1	Rich gas	0.16/40	1.5/110	4200	660(Turbine)	1991
79	Tianjin Dagang Refinery	MCL405+MCL355	1	Rich gas	0.1372/40	1.569/125	6000	935(Turbine)	1991
80	Huhehaote Refinery	2MCL456	1	Rich gas	0.157/40	1.373/120	9480	1150(Turbine)	1991

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					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
81	Luoyang Refinery	2MCL356-1	1	Rich gas	0.1600/40	1.50	4200	660(Turbine)	1992
82	Fujian Refinery	MCL402	1	Propane(CH <sub>4</sub> )	0.91/24	1.67/52	60030	1462(Turbine)	1992
83	Harbin Refinery	2MCL456	1	Rich gas	0.1127/40	1.1765/117	6000	800(Turbine)	1992
84	Fujian Refinery	2MCL406	1	Rich gas	0.14/40	1.37/118	4680	731(Turbine)	1992
85	Daqing General Petrochemical Plant	2MCL527	1	Rich gas	0.216/40	1.568/102	14250	2533(Turbine)	1992
86	Daqing General Petrochemical Plant	MCL1003	1	Air	0.098/2708	0.314/180	90000	6300/6	1992
87	Maoming Petroleum Industry Co.	2MCL527	1	Rich gas	0.245/40	1.568/110	20400	2169(Turbine)	1992
88	Fushun No.1 Petroleum Plant	MCL1003	1	Air	0.098/23.7	0.33/190	90000	6300/6	1992
89	Qingdao Petrochemical Plant	2MCL457	1	Rich gas	0.1568/40	1.568/118	6000	810(Turbine)	1992
90	Dalian Petroleum Plant	2MCL706	1	Rich gas	0.1569/40	1.5686/150	60000	6435(Turbine)	1992
91	Dalian Petroleum Plant	MCL904	2	Air	0.096/24	0.363/215	66000	5500/6	1992
92	Tianjin No.1 Perochemical Plant	2MCL457	1	Rich gas	0.157/40	1.373/120	4850	720(Turbine)	1992
93	Fushun No.1 Petroleum Plant	MCL1003	1	Air	0.098/23.7	0.33/190	90000	6300/6	1992
94	Germu Refinery	2MCL456	1	Rich gas	0.196/40	1.47/109	13944	1633(Turbine)	1993
95	Germu Refinery	2MCL1005	1	Air	0.0705/17.6	0.392/173	72000	6146(Turbine)	1993
96	Jinling Petrochemical Plant	2MCL457	1	Rich gas	0.15/40	1.176/142	9000	1400/6	1993
97	Heilongjiang Petrochemical Plant	2MCL457	1	Rich gas	0.135/40	1.5/125	11400	1600	1993
98	Kelamayi Refinery	MCL904	1	Air	0.09412/27.4	0.334/190	63600	4087(Turbine)	1993
99	Kelamayi Refinery	2MCL457	1	Rich gas	0.157/40	1.57/108	13200	1780(Turbine)	1993
100	Dalian Refinery	MCL455	1	isobutane	0.114/0.2	0.55/58	10995	1000/6	1993

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					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
101	Jihua Refinery	MCL1003	1	Air	0.096/20	0.333/182	90000	5450(Turbine )	1993
102	Shanghai Gaoqiao Refinerv	2MCL456	1	Rich gas	0.157/40	0.98/120	4472	630(Turbine)	1993
103	Shengli Refinery	2MCL526	1	Rich gas	0.19/50	1.3/108	24000	2800(Turbine )	1993
104	Fushun No.2 Petroleum Plant	MCL524	1	Air	0.096/23.7	0.4316/234	24000	2240/6	1993
105	Jinling Petrochemical Plant	2MCL457	1	Coking gas	0.15/40	1.176/142	9000	1400/6	1993
106	Jihua Refinery	2MCL526	1	Rich gas	0.1568/40	1.568/110	21000	2500(Turbine )	1994
107	Shenyang Paraffin Wax Chemical Plant	2MCL707	1	Rich gas	0.1078/40	1.568/122.6	79800	2970(Turbine )	1994
108	Yumen Petroleum Administration Bureau	2MCL457	1	Rich gas	0.157/40	1.57/117	13200	1699(Turbine )	1994
109	Yumen Petroleum Administration Bureau	MCL904	1	Air	0.0718/18.8	0.333/226	48000	4200/6	1994
110	Jinxi Refinery and Petrochemical Plant	2MCL457	1	Rich gas	0.102/40	1.3/152	7243	1192(Turbine )	1994
111	Shanghai General Petrochemical Plant	2MCL527	1	Rich gas	0.157/40	1.568/130	24000	2781(Turbine )	1994
112	Shanghai General Petrochemical Plant	MCL904	1	Air	0.0985/30.9	0.392/224	69000	5026(Turbine )	1994
113	Zhongyuan Petroleum Exploration Bureau	2MCL406	1	Rich gas	0.16/40	1.6/124	6000	869(Turbine)	1994
114	Zhongyuan Petroleum Exploration Bureau	MCL804	1	Air	0.098/20	0.35/184.2	51000	3242(Turbine )	1994
115	Zhongyuan Petroleum Exploration Bureau	MCL704	1	Air	0.098/20	0.35/181.2	48000	3200/6	1994
116	Jinling Petrochemical Plant	MCL903	1	Air	0.096/20	0.27/145	78000	4200/6	1994
117	Shijiazhuang Refinery	MCL1003	1	Air	0.096/26.8	0.333	90000	6300/6	1994
118	Daqing General Petrochemical Plant	2MCL526	1	Rich gas	0.151/45	1.732/123.9	16000	2533(Turbine )	1994
119	Daqing Oilfield Chemical Catalyst Plant	2MCL456+MCL303	1	Rich gas	0.11/40	16.1/71.2	6678	1215(Turbine )	1994
120	Daqing Oilfield Chemical Catalyst Plant	MCL523	1	Air	0.096/20	0.29/160	19200	1250/6	1994

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121	Daqing Oilfield Chemical Catalyst Plant	2MCL456	1	Rich gas	0.16/40	1.6/134.8	5400	858(Turbine)	1994
122	SINOPEC Engineering Co.	MCL904	1	Air	0.096/28	0.3334/194.4	63000	4500/6	1994
123	Fushun No.2 Petroleum Plant	MCL1003	1	Air	0.097/23.7	0.35/189.2	90000	6300/6	1994
124	Comprehensive Utilization Plant of Jilin Oilfield	2MCL457	1	Rich gas	0.14/40	1.4/1.25	7820	1166(Turbine)	1995
125	Tianjin No.1 Perochemical Plant	2MCL527	1	Rich gas	0.157/40	1.52/126.9	17400	2508(Turbine)	1995
126	Xiluo Turbo Machinery Development Co.	2MCL526	1	Rich gas	0.25/40	1.6/108	30000	3170(Turbine)	1995
127	Xiluo Turbo Machinery Development Co.	MCL705	2	Air	0.087/21.9	0.48/259	42000	4000/6	1995
128	Guangzhou General Petrochemical Plant	2MCL456	1	Rich gas	0.12/40	1.4/140	7600	1178(Turbine)	1995
129	Sichuan Petroleum Administration Bureau	MCL523	2	Air	0.0945/28.1	0.3/178	27000	1800/10	1995
130	Sichuan Petroleum Administration Bureau	MCL405+MCL354	1	Rich gas	0.16/40	1.6/108	4200	781(Turbine)	1995
131	Linyuan Refinery	2MCL457	1	Rich gas	0.14/40	1.4/109	10200	1500/6	1995
132	Huhehaote Refinery	MCL524	2	Air	0.087/21.9	0.4/236	24000	2250/6	1995
133	Daqing Oilfield Chemical Catalyst Plant	MCL524	1	Air	0.097/26	0.35/201	24000	2000/6	1995
134	Changlin Refinery and Petrochemical Plant	MCL524	1	Air	0.098/30	0.44/245	24000	2250/6	1995
135	Changlin Refinery and Petrochemical Plant	MCL903	1	Air	0.098/30	0.32/201	75000	5000/6	1995
136	Lanzhou Refinery and Petrochemical Plant	MCL1204	1	Air	0.0815/22.6	0.34/209	126000	9000/10	1995
137	Procument Dep. Of Yangzi Petrochemical Plant	MCL1003	1	Air	0.097/28.2	0.356/196.4	82000	6300/6	1995
138	Tianjin Dagang Refinery	MCL903	2	Air	0.097/26.2	0.35/200	66000	5000/6	1995
139	Baoding Jinhong Petrochemical Co.	2MCL457	1	Rich gas	0.157/40	1.57/129.1	12000	1628(Turbine)	1995
140	Baoding Jinhong Petrochemical Co.	MCL904	1	Air	0.095/26.7	0.35/19.5	63000	3387(Turbine)	1995

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141	Lanzhou Refinery and Petrochemical Plant	2MCL457	1	Air	0.0972/22.6	0.868/242.5	1000	1800/6	1995
142	Changlin Refinery and Petrochemical Plant	2MCL457	1	Coking gas	0.12/40	1.2/142.1	8000	915(Turbine)	1996
143	Zhenhai General Petrochemical Plant	2MCL606	1	Coking gas	0.15/42	1.57/106	30800	4248(Turbine)	1996
144	Dalian Petrochemical plant	MCL1204	1	Air	0.096/26.4	0.363/198	132000	9000/6	1996
145	Tianjin Petrochemical Co.,	2MCL457	1	Rich gas	0.14/40	1.3/143.3	9900	1370(Turbine)	1996
146	Refinery of Jilin Chemical Industrv	MCL903	1	Air	0.096/22	0.28/150	78000	3860(Turbine)	1996
147	Nanjing Refinery	2MCL457	1	Coal gas	0.14/40	1.33/154.5	5500	1250/6	1996
148	Yongpin Refinery	2MCL456	1	Rich gas	0.1098/40	1.2/134	6000	1250/10	1996
149	Jiujiang General Petrochemical Plant	2MCL526	1	Rich gas	0.24/40	1.6	3000	3014	1996
150	Jiujiang General Petrochemical Plant	MCL1003	1	Air	0.098/29.3	0.34/190.5	90000	6300/6	1996
151	Daqing Oilfield Chemical Catalvst Plant	2MCL526	1	Rich gas	0.18/45	1.5/125	21000	2580(Turbine)	1996
152	Shanghai Refinery	2MCL527	1	Rich gas	0.158/40	1.598/130	19200	2300(Turbine)	1996
153	Shanghai Refinery	2MCL606	1	Rich gas	0.2/40	1.6/108.5	39000	4356(Turbine)	1997
154	Zhenhai General Petrochemical Plant	2MCL527	1	Coking gas	0.15/42	1.57	15400	2036(Turbine)	1997
155	Beijing Yanshan Petrochemical Plant	2MCL606	1	Rich gas	0.26/40	1.8/112.6	60000	5693(Turbine)	1997
156	Yueyang General Petrochemical Plant	2MCL606	1	Rich gas	0.14/40	1.6	42000		1997
157	Jinxi Refinery and Petrochemical Plant	2MCL606	1	Rich gas	0.2/40	1.6	42000	4138(Turbine)	1997
158	Fujian Refinery	2MCL407	1	Rich gas	0.1481/40	1.3981	7020	1018(Turbine)	1997
159	Beijing Yanshan Petrochemical Plant	2MCL606	1	Rich gas	0.26/40	1.8/112.6	60000	5693(Turbine)	1997
160	Xianyang Changqing Chemical Catalvst Plant	MCL904	1	Air	0.0903/28	0.392/204	75000	5500/6	1997

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### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
161	Xianyang Changqing Chemical Catalvst Plant	MCL703-1	2	Air	0.093/28	0.3136/182.3	36000	2240/6	1997
162	Talimu Petrochemical Co.,	MCL904	1	Air	0.0945/30	0.35	63000	4500/6	1997
163	Cangzhou Refinery	2MCL457	1	Rich gas	0.14/40	1.3	4980	731(Turbine)	1997
164	Qingdao Petrochemical Plant	2MCL606	1	Rich gas	0.18/40	1.6	30000	3370(T)+250 0	1998
165	Qingdao Petrochemical Plant	MCL1003	1	Air	0.099	3.2	96000	6300/6	1998
166	Anshan Refinery	MCL904	1	Air	0.096/25	0.4	62700	5500/6	1998
167	Zhenhai General Petrochemical Plant	2MCL806	1	Rich gas	0.2/40	1.6	67800	5904(Turbine )	1998
168	Hangzhou Refinery	MCL704	1	Air	0.098/20	0.392	42000	3300	1998
169	Qiqihar Chemical Plant	2MCL456	1	Rich gas	0.14/40	1.6	8700	1500/6	1998
170	Zhongyuan Petroleum Exploration Bureau	2MCL456	1	Rich gas	0.16/40	1.6	15000	1750(Turbine )	1998
171	Fushun No.2 Petroleum Plant	2MCL606	1	Rich gas	0.2/40	1.8	42000	4203(Turbine )	1998
172	Dalian Petrochemical plant	2MCL606	1	Rich gas	0.16/40	1.6	30000	3226(Turbine )	1998
173	Ningxia Refinery	MCL904	1	Air	0.086/23.5	0.353	48000	4000/6	1998
174	Ningxia Refinery	MCL804	1	Air	0.086/23.5	0.353	48000	4000/6	1998
175	Zhuhai Huafu Chemical Co.,	2MCL453	2	Air	0.101/28.5	0.32	16380	1000/10	1998
176	Henan Petroleum Exploration Bureau	MCL1104	1	Air	0.097/31.4	0.36/187	108000	7500/6	1998
177	Qilu Petrochemical Co.,	2MCL457	1	Rich gas	0.18/45	1.6	15000	1669(Turbine )	1998
178	Huaiyin Qingjiang Petrochemical Plant	2MCL456	1	Rich gas	0.14/40	1.6	11400	1427(Turbine )	1999
179	Daqing Petrochemical Plant	2MCL606	1	Rich gas	0.637/42	1.8	39000	3706(Turbine )	1999
180	Daqing Petrochemical Plant	MCL1003	1	Air	0.097/22.4	0.34	99000	6300/6	1999

Catalysincracking & delaycoking

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
181	Dalian Petrochemical plant	2MCL456	1	Analytic gas	0.103/40	0.55	14000	1200(Turbine)	1999
182	Oil refinery of Qilu Petrochemical Co.	2MCL457	1	Analytic gas	0.12/40	0.853	10245	1085(Turbine)	1999
183	Qilu Petrochemical Co.,	MCL524	1	Air	0.095/27	0.343/160	37802		1999
184	Huabei Branch Co., Of PetroChina	2MCL606	1	Rich gas	0.18/40	1.6	33000	8361	2000
185	Qingdao Petrochemical Plant	2MCL457	1	Analytic gas	0.1/40	0.62/145	9250	916(Turbine)	2000
186	Huabei Branch Co., Of PetroChina	2MCL457	1	Analytic gas	0.1/40	0.54	13000	1164	2000
187	No.3 Gas Processing Plant of Zhongyuan Oilfield	2MCL457	1	Propane(CH <sub>4</sub> )	0.1828/-29.9	1.698/64.2	2235	1112	2000
188	Yumen Refinery	MCL904	1	Air	0.07177/18.6	0.3334	72000		2000
189	Jinling Petrochemical Plant	2MCL526	1	Rich gas	0.16/40	1.63/126	30000	3332(Turbine)	2000
190	Lanzhou Chemical Industry Co.,	2MCL456	1	Rich gas	0.2/40	1.8	15000		2000
191	Fujian Refinery	MCL402	1	Propane(CH <sub>4</sub> )	0.91/22.58	1.67/55.2	114660	2451(Turbine)	2001
192	Cangzhou Refinery	2MCL606	1	Rich gas	0.2/40	1.5	35400	3524(Turbine)	2001
193	Anqing Petrochemical Co.,	2MCL458	1	Analytic gas	0.1/40	0.8/181.7	6300	1250	2001
194	Anqing Petrochemical Co.,	2MCL458	1	Coking rich gas	0.15/45	1.55/123.2	18000	2160(Turbine)	2001
195	Harbin Petrochemical Co.,	2MCL457	1	Analytic gas	0.11/40	0.9/40	8300	1067(Turbine)	2001
196	Changling branch Co., Of SINOPEC	2MCL606	1	Rich gas	0.2/40	1.7/109.9	43980	4137(Turbine)	2001
197	Dalian branch Co., Of PetroChina	2MCL706	1	Rich gas	0.28/40	1.6/102	90000	7610(Turbine)	2002
198	Jilin Chemical Industry Co.,	2MCL526	1	Rich gas	0.18/45	1.7	34380	4027(Turbine)	2002
199	Yulin Petroleum catalyst Plant	2MCL406	1	Rich gas	0.18/40	1.6	14400	1540(Turbine)	2002
200	Jinan Branch Co., Of SINOPEC	2MCL408	1	Rich gas	0.15/40	1.4/137.5	7500	1064(Turbine)	2002

Catalysincracking & delaycoking

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
201	Tianjin Branch Co., Of SINOPEC	2MCL526	1	Rich gas	0.18/40	1.5/98.5	30600	3288(Turbine)	2002
202	Zhenhai Branch Co., Of SINOPEC	MCL803	1	Air	0.098/15.8	0.28/129.7	54082	2629	2002
203	Wuhan Branch Co., Of SINOPEC	2MCL458	1	Rich gas	0.16/40	1.6/135.4	13200	1900/6	2002
204	Changling Branch Co., Of SINOPEC	2MCL457	1	Rich gas	0.1428/40	1.224/121.4	12000	1486(Turbine)	2002
205	Qilu Branch Co., Of SINOPEC	MCL1003	1	Air	0.1/12.9	0.342/185.8	93000	6300/6	2002
206	Shanghai Gaoqiao Branch of SINOPEC	2MCL458	1	Rich gas	0.14/40	1.4/125.5	18000	2500/6	2002
207	Zhenhai Branch Co., Of SINOPEC	2MCL457	1	Rich gas	0.12/40	1.4/135	15000	2066(Turbine)	2002
208	Nanchong Refinery	MCL404+MCL404	1	Rich gas	1.5/40	15	4200	1107(Turbine)	2003
209	Nanchong Refinery	D50-118(Blower)	1	Air	0.36/210	0.47	100	185/380vAC	2003
210	Jilin Branch Co., Of PetroChina	2MCL457	1	Rich gas	0.14/40	1.3	11022	1346(Turbine)	2003
211	Jilin Branch Co., Of PetroChina	MCL1003	1	Air	0.098/22.9	0.295/154	94988	3768(Turbine)	2003
212	Ningxia Baota Chemical Co.,	2MCL456	1	Rich gas	0.14/40	1.6/129	6600	1250/10	2003
213	Ningxia Baota Chemical Co.,	D450-313(Blower)	2	Air	0.087	0.33	16200	1400/10	2003
214	Ningxia Baota Chemical Co.,	D50-117(Blower)	1	Air	0.33	0.40	4200	132/380vAC	2003
215	Shangdong Jingbo Petrochemical Co.,	D800-317	2	Air	0.098/30	0.32	40800	3200/6	2002
216	Shangdong Jingbo Petrochemical Co.,	D50-116	2	Air	0.31/30	0.39	4800	160/380vAC	2002
217	Wuhan Branch Co., Of SINOPEC	2MCL458	1	Rich gas	0.16/40	1.6/137.4	12420	1900/6	2002
218	Zhuhai Huafu Chemical Co.,	MCL603	1	Air	0.0993/22.9	0.32/157	30000	1800/6	2003
219	Zhuhai Huafu Chemical Co.,	MCL523	1	Air	0.0993/22.9	0.3/151	25200	1500/6	2003
220	Zhuhai Huafu Chemical Co.,	D50-115	2	Air	0.32/157	1.38	4200	110/380vAC	2003

Catalysincracking & delaycoking

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
221	Zhuhai Huafu Chemical Co.,	2MCL406	1	Rich gas	0.14840	1.6/120	6000	1120/6	2003
222	Shangdong Dongming Petrochemical Co.,	2MCL456	1	Rich gas	0.14/40	1.6/129	6600	1250/10	2002
223	Shangdong Dongming Petrochemical Co.,	D450-312	2	Air	0.098/27.4	0.32/198	22800	1250/10	2002
224	Shangdong Dongming Petrochemical Co.,	D50-114	1	Air	0.31	0.40	4200	132/380vAC	2002
225	Qifu Branch Co., Of SINOPEC	2MCL458	1	Rich gas	0.14/40	1.46/129.6	16270	1892(Turbine)	2003
226	Yongping Refinery of PetroChina	2MCL526	1	Rich gas	0.21/40	1.6	22566	3140(Turbine)	2003
227	Yongping Refinery of PetroChina	MCL1104	1	Air	0.08766/24.2	0.37/64.6	96000	6700/10	2003
228	Yongping Refinery of PetroChina	D170-16	2	Air	0.39/185	0.48	15000	315	2003
229	Jinxi branch Co., Of PetroChina	MCL1004	1	Air	0.0978/26.4	0.38	102000	6910(shaft)	2003
230	Shangdong Huaxing Petrol-chemical (Group)	MCL1104	1	Air	0.096/12.3	0.33/173	108000	7200/10	2004
231	Shangdong Huaxing Petrol-chemical (Group)	2MCL606	1	Rich gas	0.13/40	1.6/122.8	33000	3781	2004
232	Jiujiang Branch Co., Of SINOPEC	2MCL606	1	Rich gas	0.16/40	1.6/108	30000	2998	2004
233	Maoming Branch Co., Of SINOPEC	2MCL458	1	Rich gas	0.145/40	1.4/128.5	125000	1457	2003
234	Qingjiang Branch Co., Of SINOPEC	MCL903	1	Air	0.098/30	0.4/200	7500	3200/10	2003
235	Liaoh branch Co., Of PetroChina	2MCL457	1	Rich gas	0.14/40	1.4	12500	1800/6	2003
236	Daqing Refinery and Chemical Branch Co.,	2MCL606	1	Rich gas	0.21/40	1.7/103.9	45000	4041(steam)	2004
237	Yumen branch Co., Of PetroChina	2MCL457	1	Rich gas	0.25/40	1.6/104	27000	2229(steam)	2004
238	Jingmen Branch Co., Of SINOPEC	2MCL457	1	Rich gas	0.145/40	1.4/130	11234	2000/6	2004
239	Dushanzi branch Co., Of PetroChina	2MCL408	1	Rich gas	0.2G/40	1.5G/143	6400	1220/6	2003
240	Yanbian Industry Group	MCL452	1	Propane	0.91/22.7	1.67/54.3	29040	2946	2004

Catalysincracking & delaycoking

## 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
241	Kelamayi branch Co., Of PetroChina	2MCL458	1	Rich gas	0.1428	0.495	18000	2059	2004
242	Shandong Weifang Hongrun Petro-chemical	2MCL457	1	Rich gas	0.14/40	1.6	7200	935	2004
243	Yangzi Branch Co., Of SINOPEC	2MCL527	1	Rich gas	0.14/40	1.4/138.2	29939	3287	2004
244	Asphaltum Plant, Qingdao Guanyuanfa Group Co.	2MCL527	1	Rich gas	0.16/40	1.6	11400	1330	2004
245	Asphaltum Plant, Qingdao Guanyuanfa Group Co.	MCL904	1	Air	0.098/30	0.4	66000	5500/10	2004
246	Asphaltum Plant, Qingdao Guanyuanfa Group Co.	D800-3(Blower)	1	Air	0.098/30	0.32	40800	3200/10	2004
247	Asphaltum Plant, Qingdao Guanyuanfa Group Co.	D50-1(Blower)	2	Air	0.39	0.48	4800	160/380	2004
248	Zhenjiang Dongxing Petreum Co.	MCL904	1	Air	0.101/32.5	0.453/221	61200	5500/10	2004
249	Zhenjiang Dongxing Petreum Co.	2MCL406	1	Rich gas	0.273/40	1.603	12000	1250	2004
250	Xinjing Talimu Petro-chemical Branch Co.	2MCL457	1	Rich gas	0.138/40	1.498/126.5	16600	2139(steam)	2004
251	Shandong Dongming Petrochemical Co.	2MCL456	1	Rich gas	0.22a/40	1.7a/103	19200	1820(shaft)	2004
252	Hangzhou Kangming Petrochemical of Sinopec	MCL804	1	Rich gas	0.091	0.41	800	4500	2004
253	Petrochina Commodities Coporation (Dagang)	2MCL457	1	Rich gas (coking)	0.16/40	1.6/115	9408	1800	2004
254	Wuhan Zhongji Co.	D90-113 (blower)	2	air	0.36(G)/234	0.46(G)/268	13560	260	2004
255	Zhenhai Refinery Chemical Co.	2MCL526	1	Rich gas	0.14/42	1.3	12950	1484	2004
256	Jinxi branch Co., Of PetroChina	2MCL457 (revamp)	1	Rich gas	0.02/40	1.2	14085	2120(axial)	2004
257	Lanzhou Branch of Petrochina	2MCL458	1	Rich gas	0.14/40	1.4/119.1	16500	1925	2004
258	Qingyang Oil Refinery of Petrochina	2MCL456	1	Rich gas	0.16/40	1.6	11400	1302	2005
259	Shandong Lihuayi Group	2MCL456	1	Rich gas	0.17/40	1.6	220Nm3/min	1376KN	2004
260	Shandong Lihuayi Group	MCL1004 (main)	1	air	0.098	0.4	1500 Nm3/min	6300KN	2004

Catalysincracking & delaycoking

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
261	Huabei Branch Co., Of PetroChina	2MCL606	1	Rich gas	0.255/40	1.6	52800	4944(T)	2005
262	Sudan Oil Refinery Co.	2MCL457	1	Rich gas	0.14/40	1.6	27938kg/h	2614	2005
263	Guangzhou Zhongshan Tianvi Development Co.	2MCL456	1	Rich gas	0.19/40	1.6	238Nm3/min	1505	2005
264	Algeria Oil Refinery Co.	MCL703	2	air	0.0956/38.3	0.3	720 Nm3/min	2668	2005
265	Hebei Zhongjie Petrochemical Group	2MCL456	1	Rich gas	0.14/40	1.6	190 Nm3/min	1562	2005
266	Jiujiang Petrochemical of Sinopec	2MCL527	1	Rich gas	0.045/40	0.31	13200	1705	2005
267	Tianjin Petrochemical of Sinopec	2MCL457	1	Coking rich gas	0.145/40	1.3	13000	1532	2005
268	Fushun Petrochemical of Petrochina	2MCL408	1	Rich gas	0.16(A)/40	1.448(A)	10257	1290(axial)	2005
269	Shandong Changyi Petrochemical Co. Ltd.	MCL1004	1	air	0.096(A)	0.36(A)	90000	6300	2005
270	Shandong Changyi Petrochemical Co. Ltd.	2MCL406	1	Rich gas	0.082/40	1.6	11400	1326(axial)	2005
271	Huhehaote Branch of Petrochina	2MCL456	1	Rich gas	0.225(A)/40	1.47(A)	470	2750(turbine)	2005
272	Hainan Shihua Refinery Chemical Co.	2MCL806	1	Rich gas	0.23(A)/40	1.8(A)	1400Nm3/min	7178	2005
273	Hainan Shihua Refinery Chemical Co.	MCL707+BCL407+BCL707	1		0.34(A)/44	2.316(A)	76050	7392	2005
274	Yan'an Refinery	2MCL606	1	Rich gas	Kpa160/40	Kpa1700	66000	5331	2005
275	Dongying Fuhai Industrial Corporation	D450-316	1	air	0.095/26.6	0.35	350	2000	2005
276	Shandong Shida Science & Technology Group	2MCL457	1	Coking rich gas	0.16/40	1.6	12500	1800	2005
277	Shandong Haihua Petrochemical Co.	2MCL456	1	Rich gas	0.14/40	1.6	13500	2500	2005
278	Yanshan Petrochemical of Sinopec	2MC528	1	Rich gas	0.14/40	1.45	16500	2061(turbine)	2005
279	Shandong Haihua Petrochemical Co.	2MCL456	1	Rich gas	0.14(A)/40	1.6(A)/122	27010(Kg/h)	Jun-00	2005
280	Shandong Petroleum Technology University	2MCL457	1	Rich gas	0.16(A)/40	1.16(A)/124.5	9900	1800/10	2005

Catalysincracking & delaycoking

### 1. Centrifugal compressors for Catalysingcracking and delayed coking unit.

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
281	Huabei Petrochemical of Sinopec	D250-113	2	air	0.393(A)/200	0.44(A)	550Nm3/min	355/6	2005
282	Qianguo Petrochemical of Petrochina	D180-13	1	air	0.39(Kgf)/180	0.435(Kgf)	24000	280/6	2005
283	Fushun Petrochemical of Petrochina	D60-18	2	air	0.39(A)/180	0.45(A)/	150Nm3/min	160/0.38	2005
284	Yanshan Petrochemical of Sinopec	2MCL528	1	Rich gas	0.04/40	1.35/127.4	17700	2257	2005
285	Harbin Petrochemical of Petrochina	MCL904	1	air	0.098(A)/20	0.4(A)/	1060Nm3/min	Jun-06	2005
286	Jilin Petrochemical of Petrochina	D200-112	1	air	4.064ata/200	5.288ata/	450Nm3/min	630/6	2005
287	Jin'ao Science & Technology Chemical Co.	2MCL456	1	Rich gas	0.22/40	1.6/104	17100	1622(turbine)	2005
288	Jin'ao Science & Technology Chemical Co.	MCL1004	1	air	0.098/28.1	0.4	93600		2005
289	Lihuayi Group Corporation	2MCL457	1	Rich gas	0.14/40	1.4/126.1	13500	1657(turbine)	2005
290	Dongming Hengrun Chemical Co.	2MCL457	1	Rich gas	0.14/40	1.4/125.6	11043	1530(turbine)	2005
291	Jin'ao Science & Technology Chemical Co.	D90-115	1	air	390kpa/195	90kpapressure rising	160Nm3/min	315/10	2005
292	Jin'ao Science & Technology Chemical Co.	D1300-313	1	air	97kpa/28.1	233kpapressure rising	1100Nm3/min	Oct-00	2005
293	Dongying Wantong PetroChemical Co.	D800-330、331	2	air	0.098/30	0.32	48000	Oct-00	2005
294	Dongying Wantong PetroChemical Co.	D50-124	2	air	0.31/5	0.39	5400	160/380V	2005
295	Huabei Petrochemical of Petrochina	D250-113	2	air	0.393 (A) /200	0.44 (A)	550Nm3/min	355/6	2005
296	Ningxia Baota PetroChemical Corporation	2MCL456	1	Rich gas	0.18/40	1.6/111.6	17100	1848(turbine)	2006
297	Ningxia Baota PetroChemical Corporation	2MCL456	1	Rich gas	0.21/40	1.6/105.5	16800	2050(turbine)	2006
298	Ningxia Baota PetroChemical Corporation	MA100	1	air	0.0873/23.5	0.42/216	105000	7100	2006
299	Ningxia Baota PetroChemical Corporation	D1300-315	1	air	87.5kpa/23.5	182.5kpapressure rising	1050m3/min	4500	2006
300	Ningxia Baota PetroChemical Corporation	D90-116	2	air	430kpa/195	90kpapressure rising	210	315/10	2006

Catalysincracking & delaycoking

**1. Centrifugal compressors for Catalysingcracking and delayed coking unit.**

No.	End-User	Tpye of Machine	Quan tity	Medium	Suction	Discharge	Flow	Driver	Delivered
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
301	Ningxia Baota PetroChemical Corporation	D1300-316	1	air	87.5kpa/23.5	182.5(A)	1150	Oct-00	2006
302	Ningxia Baota PetroChemical Corporation	D90-117	2	air	390kpa/198	90 (A)pressure	240	315	2006
303	Shangdong Changyi Petrochemical Co.	BCL408	2	hydrogen	7.6 (A) /50	9.6 (A) /81.6	85950	1090/10	2006
304	Maoming Branch of Sinopec	BCL708+BCL708	1	hydrogen	3.5(ata)/40	8.51(ata)/131.9	62436	2853	2006
305	Lanxing Daqing Branch	2MCL607	1	Rich gas	0.12(A)/40	1.6(A)/126.9	26268	3288	2006
306	Maoming Branch of Sinopec	BCL706	1	circulating H2	0.25/40	0.55/101.8	76250	2323	2006
307	Sichuang Shengma Chemical Corporation	D80-332	1	air	0.095(A)/33	0.32(A)/	80Nm3/min	Oct-00	2006
308	Sichuang Shengma Chemical Corporation	D50-125	2	air	0.31(A)/190	0.39(A)/	90Nm3/min	185/0.38	2006
309	Sichuang Shengma Chemical Corporation	2MCL457	1	Rich gas	0.13(A)/40	1.6(A)/133.9	10440.6	1366	2006
310	Guangzhou Branch of Sinopec	2MCL457	1	Rich gas	0.04/40	1.3/	10950.8	1338	2006
311	Shandong Chnagyi Petrochemical Co.	2MCL457	1	Rich gas	1.45ata(A)/40	4.42ata(A)/118.8	15000	Oct-00	2006
312	Yumen petroleum of Petrochina	MCL355	1	CH4	0.8(A)/30	2.4(A)/116.3	9665.695	612	2006
313	Sichuang Shengma Chemical Corporation	D800-333	1	air	0.095(A)/33	0.32(A)/	900Nm3/min	Oct-00	2006
314	Anqing Branch of Sinopec	2MCL606	1	Rich gas	0.16(A)/45	0.552/107	40620	4136	2006
315	Zhanjiang Dongxing Petroleum Enterprise	2MCL527	1	Rich gas	0.04/40	1.4/129.8	16438	1978	2006



## 2. Centrifugal Compressors for Hydrogenation plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Fushun No.3 Refinery	BCL455	1	Hydrogen	0.735/36	1.051/85	47830	1042(Turbine)	1988
2	Maoming Petroleum Industry	BCL455	1	Circulate H2	1.37/40	1.96/75	84000	1480(Turbine)	1989
3	Wuhan Petrochemical Plant	BCL408	1	Circulate H2	7.056/45	8.722/80	203433	585(Turbine)	1989
4	Zhenhai General Refinery Co.,	BCL407/A	1	Circulate H2	16.26/49	18.75/66.9	211159	2096(Turbine)	1989
5	Zhenhai General Refinery Co.,	BCL408	1	Circulate H2	3.508/45	5.096/95	38000	923(Turbine)	1989
6	Luoyang Refinery	BCL605	1	Circulate H2	0.539/40	0.853/39	72284	1807(Turbine)	1990
7	Fushun Detergent Plant	BCL806+BCL806	1	Circulate H2	0.2067/52.8	0.358/115	106200	2600/6	1990
8	Zhenhai General Refinery Co.,	BCL455	1	Circulate H2	1.2745/40	1.863/82	60000	1250(Turbine)	1991
9	Zhenhai General Refinery Co.,	BCL606	1	Hydrogen	0.34/40	0.67/104	73380	2554(Turbine)	1995
10	Zhenhai General Refinery Co.,	BCL406	1	Hydrogen	4.8/40	6.3/70	60000	946(Turbine)	1996
11	Yumen Petroleum Administratin Bureau	BCL456	1	Hydrogen	1.1/40	1.8/90.8	63125	1706(Turbine)	1996
12	Beijing Yanshan Petrochemical Co.,	BCL608	1	Hydrogen	0.34/43	0.658/111.3	32890	1331(Turbine)	1996
13	Purchasing Dep. Of SINOPEC Eng.	BCL454	1	Circulate H2	3.2/38	3.9/60	110000	1363(Turbine)	1996
14	Refinery of Jinling Petrochemical Co.,	BCL607	1	Circulate H2	0.32/40	3.3/105.7	45791	1595(Turbine)	1996
15	Refinery of Tianjin Petrochemical Co.,	BCL406/A	1	Circulate H2	16.7/50	18.89/64.6	250000	1851(Steam)	1997
16	Guangzhou General Petrochemical Co.,	BCL407/A	1	Circulate H2	7.098/45	8.748/72.3	60000	775(Turbine)	1997
17	Refinery of Tianjin Petrochemical Co.,	BCL406/A	1	Circulate H2	16.7/50	18.89/64.6	250000	1851(Turbine)	1997
18	Shanghai Gaoqiao Petrochemical Co.,	BCL407/A	1	Circulate H2	7.1/45	9.088/73.5	88354	1273(Turbine)	1997
19	Shanghai Gaoqiao Petrochemical Co.,	BCL606	1	Circulate H2	0.34/46	0.66/110.7	38666	1424(Turbine)	1997
20	Lanzhou Petrochemical Co.,	BCL607	1	Circulate H2	0.34/45	0.7/114	59880	2233(Turbine)	1997

加氢装置用离心压缩机业绩表

## 2. Centrifugal Compressors for Hydrogenation plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
21	Refinery of Shanghai Petrochemical Co.,	BCL408	1	Circulate H2	2.62/48	3.41/87.6	17346	328(Turbine)	1997
22	Maoming Petroleum Industry	BCL408	1	Circulate H2	4.0	5.7	67514	1409(Turbine)	1998
23	Zhenhai General Refinery Co.,	BCL406/A	1	Hydrogen	16.1/54	18.66	28200	2379(Turbine)	1999
24	Jinmen General Petrochemical Co.,	BCL455	1	Hydrogen	1.4/40	2.2	41000	919(Turbine)	1999
25	Tianjin Petrochemical Co.,	BCL604	1	Hydrogen	0.73/39	1.0	170893	2143(Turbine)	1999
26	Tianjin Petrochemical Co.,	BCL457	1	Hydrogen	0.34/44	0.66	40675	1262(Turbine)	1999
27	Tianjin Petrochemical Co.,	BCL452	1	Hydrogen	2.75/40	3.16	109101	660(Turbine)	1999
28	Refinery of Qilu Petrochemical	BCL457	1	Hydrogen	0.33/40	0.67	39400	1317(Turbine)	1999
29	Refinery of Qilu Petrochemical	BCL407/A	1	Hydrogen	16/53	18.8	420000	3166(Turbine)	1999
30	Qiu Petrochemical Coc.,	BCL407/A	1	Circulate H2	14.8/40	18.8/94.5	70000	1290(Turbine)	1999
31	Kelamayi Petrochemical Plant	BCL457	1	Circulate H2	1.1/40	1.8/93.1	6660	1531(Turbine)	2000
32	Shanghai Petrochemical Co.,	BCL406	1	Circulate H2	5.4/45	7.2/68	73500	996(Turbine)	2000
33	Fushun No.3 Refinery	BCL407/A	1	Circulate H2	9.6/40	11.9/67.2	20000	2430(Turbine)	2000
34	Anqing Branch of SINOPEC	BCL408	1	Circulate H2	7.6/50	9.6/82.5	1422	1038(Turbine)	2000
35	Yan'an Refinery Industry Co.,	BCL408	1	Circulate H2	1.3/40	2.0/79.5	66000	1150(Motor)	2001
36	Shanghai Gaoqiao Petrochemical Co.,	BCL407/A	1	Circulate H2	6.254/45	8.05/81	55000	708(Turbine)	2001
37	Jinxi General Refinery Plant	BCL457	1	Circulate H2	9.99/45	12.5/71.5	180000	2136(Turbine)	2001
38	Dalian Petrochemical Co.,	BCL606	1	Circulate H2	0.339/43	0.696/101.4	80675	2366(Turbine)	2001
39	Yangzi Petrochemical Co.,	BCL408	1	Circulate H2	2.678/48.42	3.478/78	17015	279(Turbine)	2001
40	Jinxi General Refinery Plant	BCL457	1	Circulate H2	0.34/44	0.66/100.4	33190	1075(Turbine)	2001

加氢装置用离心压缩机业绩表

## 2. Centrifugal Compressors for Hydrogenation plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
41	Zhenhai General Refinery Co.,	BCL408	1	Circulate H2	5.3/54	6.9/90.8	145000	2273(Turbine)	2001
42	Zhenhai General Refinery Co.,	BCL405	1	Circulate H2	9.99/52	11.87	220000	1945(Turbine)	2001
43	Shijiazhuang Petrochemical Plant	BCL457	1	Circulate H2	0.8/40	1.3/87.8	78000	1775(Turbine)	2001
44	Shanghai Petrochemical Co., SINOPEC	BCL408/A	1	Circulate H2	11.1/47	13.6/70.7	265774	2780(Turbine)	2002
45	Jinan Branch Co., Of SINOPEC	BCL408	1	Circulate H2	7.6/50	9.4/78.5	135000	1732(Turbine)	2002
46	Wuhan Petrochemical Plant	BCL407/A	1	Circulate H2	7.5/50	9.5/79.3	83000	1162(Turbine)	2002
47	Wulumuqi Branch Co., Of SINOPEC	BCL606	1	Circulate H2	0.32/38	0.68/102.6	41828	1678(Turbine)	2002
48	Jiujiang Branch Co.,	BCL457	1	Circulate H2	1.3/40	1.9	57000	1147(Turbine)	2002
49	Zhenhai General Refinery Co.,	BCL806	1	Circulate H2	0.34/40	0.64/98	99097	3208(Turbine)	2002
50	Zhenhai General Refinery Co.,	10MV7A+10MV7A	1	Circulate H2	0.334/40	1.718	85514	3518(Turbine)	2002
51	Huabei Branch Co., of PetroChina	BCL457	1	Circulate H2	1.1/40	1.8/90.2	60825	1595(Turbine)	2002
52	Dagang Petrochemical Co., of PetroChina	BCL456	1	Circulate H2	1.1/40	1.8/94	61645	1627(Turbine)	2002
53	Yumen Oilfield Branch of PetroChina	BCL405	1	Circulate H2	7.6/40	9.5/67.8	52812	733(Turbine)	2002
54	Jilin Branch Co., of PetroChina	BCL408	1	Hydrogen	8.24/49	9.9	80377	783(Turbine)	2003
55	Daqing Petrochemical Co.,	BCL406/A	1	Hydrogen	15.1/50	17.3/67.6	250000	1941(Turbine)	2003
56	Shanghai Gaoqiao Refinery, SINOPEC	BCL405/A	1	Hydrogen	15.4/50	17.6/65.3	254000	1949	2003
57	Duzishan Branch Co. of PetroChina	BCL406/A	1	Hydrogen	0.096/30	0.8/120	18000	2300	2003
58	Daqing Petrochemical Brangch Co.,	SVK20-3S	1	Hydrogen	0.096/30	0.8/120	18000	2300	2003
59	Qilu Branch Co., Of SINOPEC	BCL407	1	Hydrogen	2678/46	3.478/76	19730	390	2004
60	Zhenhai Refinery and Chemical Co.,	BCL403	1	Hydrogen	6.86/45	8.92/80.3	53000	804	2004

加氢装置用离心压缩机业绩表

## 2. Centrifugal Compressors for Hydrogenation plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
61	Fujian Refinery and Chemical Co.	BCL407	1	Hydrogen	6.86/45	8.92/80.3	53000	804	2004
62	Yangzi Branch Co., Of SINOPEC	BCL407	1	Hydrogen	11.1/56	13.6/81.3	190000	1948	2004
63	Yangzi Branch Co., Of SINOPEC	BCL408	1	Hydrogen	7.1/50	9.1/80.8	100000	1260	2004
64	Zhenjiang Dongxing Petroleum Co.	BCL406/A	1	Hydrogen	11.4/55	12.9/69.4	220000	1136	2004
65	Zhenjiang Dongxing Petroleum Co.	BCL457	1	Hydrogen	0.25/40	0.55	33000	920	2004
66	Jingmen Branch of Sinopec	BCL406/A	1	Hydrogen	7.7 (A) /50	9.2 (A) /74	75000	754	2004
67	Huabei Branch of Petrochina	BCL408	1	Hydrogen	3.6/40	4.5	24000	630	2005
68	Guangzhou Branch of Sinopec	BCL408/A	1	Hydrogen	13.43 (g) /57	15.89 (g) /77	279635	2375	2005
69	Guangzhou Branch of Sinopec	BCL405/A	1	Hydrogen	9.95 (g) /56	11.8 (g) /76	175000	1542	2005
70	Huabei Branch of Petrochina	BCL407	1	Hydrogen	7.2/50	9.1	135000	1685	2005
71	Qilu Branch of Sinopec	BCL457	1	Hydrogen	7.9/56	9.5	180000	2047	2005
72	Guangzhou Branch of Sinopec	BCL409	1	Hydrogen	6.4 (g) /40	8.0 (g) /70	81000	1010	2005
73	Liaoyang Petrochemical of Petrochina	BCL602	1	Hydrogen	1.1607 (A) /38	1.4388(A)/60	278838	2784 (axial)	2005
74	Jinzhou Petrochemical of Petrochina	BCL457	1	Hydrogen	0.33 (A) /44	0.66(A)/119	32979	983 (axial)	2005
75	Jiujiang Petrochemical of Sinopec	BCL457	1	Hydrogen	7.3/50	8.8/78.5	100000	1180	2005
76	Hainan Shihua Refinery Chemical Co.	BCL406/A	1	Hydrogen	13.7/60	16.3/80.5	340000	2941	2005
77	Hainan Shihua Refinery Chemical Co.	BCL407/A	1	Hydrogen	15.5/60	17.6/78	190000	1393	2005
78	Hainan Shihua Refinery Chemical Co.	BCL707	1	Hydrogen	0.34/43	0.65/97.2	85748	2411	2005
79	Hainan Shihua Refinery Chemical Co.	BCL407	1	Hydrogen	7.0/50	8.7	105000	1225	2005
80	Yangzi Petrochemical of Sinopec	BCL459	1	Hydrogen	0.8/40	1.5/110.6	32830	991	2005

加氢装置用离心压缩机业绩表

## 2. Centrifugal Compressors for Hydrogenation plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
81	Yangzi Petrochemical of Sinopec	BCL805	1	Hydrogen	1.97/40	2.29/54.6	437608	2667	2005
82	Huabei Petrochemical of Petrochina	BCL606	1	Hydrogen	0.32/40	0.68	60000	7670	2005
83	Beijing Yanshan Petrochemical of Sinopec	BCL408/A	1	Hydrogen	13.5/50	15.5	334000	2220	2005
84	Huabei Petrochemical of Petrochina	BCL606	1	Hydrogen	0.32/40	0.68	60000	2615	2005
85	Shanghai Petrochemical of Sinopec	BCL459	1	Hydrogen	7.1(A)/56	9.2(A)/89.8	210000	2912	2005
86	Zhenhai Refinery Chemical of Sinopec	BCL409/A	1	Hydrogen	13.4/40	16/65.2	233000	2284	2006
87	Huisheng (Nanjing) Chemical Corporation	SV12-M	1	Hydrogen	5.05(A)/≤40	5.53(A)/49.9	481944	1900	2006
88	Shenhua Coal to Oil Corporation	BCL407/A	1	Hydrogen	12.5(A)/51	14.7(A)/72.4	200000	1740	2006
89	Shenhua Coal to Oil Corporation	BCL408/A	1	Hydrogen	13.22(A)/54	14.68(A)/69.2	62160	455	2006
90	Dushanzi Petrochemical of Petrochina	BCL406/A	1	Hydrogen	14.5(A)/54	16.6(A)/71.1	244892	1680	2006
91	Shandong Changyi Petrochemical Co.	BCL408	1	Hydrogen	7.6(A)/50	9.6(A)/81.6	85950	1090	2006
92	Dalian Branch of Petrochina	2MCL707	1	Hydrogen	0.025/40	0.42/112.4	32814	2324	2006
93	Zhanjiang Dongxing Petroleum Enterprise	BCL459	1	Hydrogen	7.2/50	9.0/78.9	108959.8	1318	2006
94	Changqing Branch of Petrochina	BCL408/A	1	Hydrogen	10.6/40	13.2/72.8	204964	2700.5(turbine)	2006
95	Maoming Branch of Sinopec	BCL405	1	Hydrogen	7.2/51.5	8.9/74.9	153285	1580	2006
96	Jinling Branch of Sinopec	BCL406	1	Hydrogen	7.55/48	9.3/72.5	148209.9	1555	2006
97	Yanshan Branch of Sinopec	BCL408	1	Hydrogen	13.3(A)/50	15.3(A)/65.9	334000	2254	2006
98	Wulumuqi Petrochemical of Sinopec	BCL406	1	Hydrogen	15(A)/50	17(A)/64.3	221760	1525	2006

加氢装置用离心压缩机业绩表

### 3. Centrifugal Compressors for Synthetic Ammonia Plant

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Daqing Chemical Plant	2MCL456+2MCL406	1	Air	0.095/20	2.255/132	8000	1800/6	1985
2	Sichuan General Chemical Plant	2MCL605+2MCL357	1	Air	0.0941/30	3.72/198	24300	4570(Turbine)	1989
3	Sichuan General Chemical Plant	2MCL457+BCL407	1	CH <sub>4</sub>	0.422/35	4.32/155	18430	2490(Turbine)	1989
4	Sichuan General Chemical Plant	3MCL456+3MCL456	1	NH <sub>3</sub>	0.0932/-33.3	1.67/77.2	6190	3090(Turbine)	1989
5	Sichuan General Chemical Plant	3MCL456+3MCL456	1	NH <sub>3</sub> Refrigeration	0.0932/-33.3	1.67/32.5	6190	3090(turbine)	1989
6	Jianfeng General Chemical Plant	2MCL458+2BCL408/A	1	Synthetic Gas	2.448/2.2	15.91/71	48650	4865(Turbine)	1992
7	Jianfeng General Chemical Plant	3MCL456	1	NH <sub>3</sub>	0.441/1.6	1.725/125	5670	2185(Turbine)	1992
8	Jinxi Fertilizer Plant	3MCL456	1	NH <sub>3</sub>	0.441/1.6	1.725/125	5670	2185(Turbine)	1992
9	Sichuan Natural Gas Chemical Plant	2MCL456+BCL407	1	Natural Gas	0.48/35	3.8/147	36550	3960(Turbine)	1994
10	Sichuan Natural Gas Chemical Plant	3MCL456	1	NH <sub>3</sub> Refrigeration	0.45/1.6	1.76/121	32500	2900(Turbine)	1994
11	Sichuan Natural Gas Chemical Plant	2MCL757+2BCL356/A	1	CO <sub>2</sub>	0.147/40	15.7/120	28400	9082(Turbine)	1994
12	Heilongjiang Chemical Plant	2BCL509+2BCL508A	1	Synthetic Gas	2.5/40	14.85/40	78000	4558(Turbine)	1996
13	Anqing Petro-Chemical Complex	MCL457+BCL408	1	Refinery Gas	0.49/35	4.116/35	16364	2800(Turbine)	1996
14	Kunming Jiefangjun Fertilizer Plant	MCL706	1	NH <sub>3</sub>	0.056/-36	0.27/40	21900	1800/6	1997
15	Xinjiang Fertilizer Plant	MCL307	2	Natural Gas	0.9/35	3.5/188	8000	800/6	1997
16	Xinjiang Fertilizer Plant	2MCL525+2MCL457	1	Air	0.079/22	3.0/202	18378	4000/6	1997
17	Heilongjiang Asia-Pacific Fertilizer Co., Ltd.	3MCL458	1	NH <sub>3</sub>	0.201/-13	1.6/112.7	42666	3626(Turbine)	1997
18	Huainan General Chemical Plant	3MCL528	1	NH <sub>3</sub> Refrigeration	0.534/39.8	1.82/172.7	35358	4315(Turbine)	1998
19	Xinjiang Zepu Petro-Chemical Plant	2MCL605+2MCL357	1	Air	0.083/32	3.663/198	33091kg/H	5310(Turbine)	1999
20	Xinjiang Zepu Petro-Chemical Plant	3MCL456+2MCL456	1	NH <sub>3</sub>	0.097/33.4	1.6	27549kg/H	2750(Turbine)	1999

### 3. Centrifugal Compressors for Synthetic Ammonia Plant

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
21	Luxi Chemical (Group) Co., Ltd.	2MCL528	1	NH <sub>3</sub>	0.298/-5	1.669/102.1	53925	4638(Turbine)	2001
22	CNOOC Chemical Ltd.	MCL406	1	NH <sub>3</sub>	0.0978/-33.5	0.353/71.0	10450	630/6	2002
23	CNOOC Chemical Ltd.	MCL405	1	Raw Gas	2.757/35.3	5.15/95	73485	2216(Turbine)	2002
24	Shanxi Jincheng Coal Chemical Ltd.	3MCL458	1	NH <sub>3</sub>	2.2/-15	4.1/	53810	3360(Turbine)	2003
25	Sichuan Chemical Co., Ltd.	MCL524	1	Circulation Gas	0.1/140	0.25/245	18500	1500/6	2002
26	Shandong Hualu Hengsheng Chemical Co., Ltd.	MCL456+3MCL458	1	NH <sub>3</sub>	0.0785/-38	1.6/121	23711	3800/6	2003
27	Shandong Hualu Hengsheng Chemical Co., Ltd.	3MCL527+MCL525	1	NH <sub>3</sub>	0.1/-33.3	1.65	11736(dry)	5161(Turbine)	2003
28	Sichuan Meifeng Group Co.	3MCL458	1	NH <sub>3</sub>	0.23/-12	1.65/91	39294	3000/10	2003
29	Hubei Fertilizer of Sinopec	MCL607+2MCL526	1	NH <sub>3</sub>	0.6Pbar/-38	17.7br/106	23454	4478	2005
30	Anqing Branch of Sinopec	MCL807+2MCL807	1	NH <sub>3</sub>	0.063/-40	1.912/123.2	57819	7468	2005
31	Gaoping Chemical Co. of Tianji Group	3MCL458	2	NH <sub>3</sub>	0.236/-10	1.74	14020 Kg/h	4446	2005
32	Luzhou Chemical Corporation	MCL527+2MCL527	1	NH <sub>3</sub>	0.0617/-40	1.913/130	13689 Kg /h		2005
33	Benxi Iron & Steel (Group) Co., Ltd.	2MCL1007+2MCL458 +2MCL458+BCL455 +2MCL605+2MCL357	2	FEED GAS	0.12/40	0.65	46000	10399(axial)	2005
34	Daqing Branch of Petrochina	2MCL605+2MCL357	1	Air	0.096 (A) /37	0.213(A)/189.8	27916	4559(axial)	2005
35	Wuhuan Science & Technology Corporation(Yunnan Zhanhua)	MCL807+3MCL807	1	Synthetic Gas	0.57bar/-38	14.92bar	79776 kg / h	1100	2006
36	Shanxi Fengxi Huarui Coal Chemical Corporation	MCL524+2MCL525	1	Air	0.9661/35	2.3	20000	Oct-00	2006
37	Hualu Hengsheng Chemical Corporation	MCL456+2MCL457	1	Refrigerated ammonia	0.0748/-36	0.369/106.9	12492	2800	2006

#### 4. Centrifugal Compressors for Urea Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Dalian Chemical Plant	2MCL705	1	CO <sub>2</sub>	0.0834/35	0.474/137	18360	2200/6	1982
2	Zhenhai Fertilizer Plant	2MCL607+2BCL306 A	1	CO <sub>2</sub>	0.159/37	14.16/144.3	29400	9900(Turbine)	1982
3	Xinjiang Urumchi Petro-Chemical Plant	2MCL607+2BCL306 A	1	CO <sub>2</sub>	0.153/37	114.85/180	33000	9900(Turbine)	1982
4	Ningxia Chemical Plant	2MCL607+2BCL306 A	1	CO <sub>2</sub>	0.153/37	14.16/144	29400	9900(Turbine)	1986
5	Inner Mongolia Fertilizer Plant	2MCL527+2BCL306 A	1	CO <sub>2</sub>	0.14/35	15.7/113	23719	8015(Turbine)	1995



### 5. Centrifugal Compressors for Ethylene Plant

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Shanghai General Coking Plant	3MCL456	1	Propylene	0.12/-41.7	1.9/96.7	15143	2500/6	1994
2	Daqing Petro-Chemical Complex	2MCL706+ DMCL706+	1	Cracking Gas	0.115/-41	3.915/63.8	79559	12555(Turbine)	1998
3	Daqing Petro-Chemical Complex	12MH7A+EMK32 /45	1	Propylene	0.129/-40	1.848/80.3	77640	10552(Turbine)	1998
4	Zhongyuan Petro-Chemical Ltd.	2MCL458	1	Fuel Gas	0.139/30	0.62/122.2	6163	543(Motor)	2000
5	Shanghai Petro-Chemical Co., Ltd.	2MCL1004+ MCL804+2MCL708	1	Cracking Gas	0.142/40.9	3.759/78.5	133065	18787(Turbine)	2001
6	Liaoyang Petro-Chemical Branch Co.	BCL355	1	Ethylene	1.89/34	4.15/93.7	150700	3643(Turbine)	2001
7	Yangzi Petro-Chemical Co., Ltd.	10MH7A+08MV5B	1	Methane, Ethylene	0.122/-105.3	4.61/23.2	24220	4017(Turbine)	2001
8	Yangzi Petro-Chemical Co., Ltd.	11H-6S	1	Propylene	0.131/-40.4	1.886/27.1	114995	10635(Turbine)	2001
9	Shanghai Coking Ltd.	3MCL406	1	Propylene	0.12/-40	1.9/98	10463	1800/6	2002
10	Qilu Branch Co. of SINOPEC	2MCL458	1	Fuel Gas	0.102/30	2.27/107.6	11685	787(shaft)	2004
11	Maoning Branch of Sinopec	DMCL1104+ 2MCL1105+	1	Cracking Gas	0.126(A)/37.7	0.256(A)/82.8	246846kg/h	7518	2005
12	Maoning Branch of Sinopec	BCL457	1	Hydrogen	24.79(A)/43	33.83(A)/83.6	35200	900/6	2006
13	Maoning Branch of Sinopec	BCL458	1	CH <sub>4</sub> + H <sub>2</sub>	1.688(A)/36.9	3.598(A)/127.7	24058(kg/h)	2364	2006
14	Liaoyang Chemical of Petrochina	BCL404	1	Ethylene	1.89(A)/34	4.15(A)/<100	180130(kg/h)	4331	2006

## 6. Centrifugal Compressors for Air Separation plant under 10000Nm<sup>3</sup>/h

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
1	Yizheng Chemical Fibre Plant	DH35-1	2	Air	0.098/35.2	0.618/59	6700	800	1983
2	Fushun Acrylon Plant	DHP40-3	1	Air	0.0951/35	0.8826/120	7500	1250	1990
3	Zibo General Chemical Fibre Plant	DHP40-4	1	Air	0.0951/32	0.8826/100	10000	1600	1990
4	Zibo General Chemical Fibre Plant	DHP40-7	1	Air	0.0951/32	0.8826/100	10400	1250	1991
5	Guangdong Maoming Acrylon Plant	DHP40-9	1	Air	0.0951/32	0.8826/100	7900	1250	1992
6	Ningbo Acrylon Plant	DHP40-10	1	Air	0.097/32	0.8826/100	7900	1250	1992
7	Sichuan Changcheng Steel Plant	DH45-1	1	Air	0.095/35	0.647/100	19500	2100	1988
8	Linfen Iron & Steel Plant	DH45-3	1	Air	0.093/32	0.65/41	18200	1900	1990
9	Tianjin Seamless Tubing Mill	DH45-4	2	Air	0.095/32	0.8826/104	18200	1900	1990
10	Dalian Steel Plant	DH45-5	1	Air	0.095/30	0.65/104	20000	2200	1994
11	Yizheng Chemical Fibre Co.	DH45-6	1	Air	0.095/35	0.678/100	17500	1900	1994
12	Beijing Ethylene Plant No. 4 Chemical Plant	DH45-7	1	Air	0.095/32	0.67/104	20000	2200	1994
13	Wulanhot Iron & Steel Plant	DH45-8	1	Air	0.09451/30	0.65/100	20000	2240	1994
14	Beitai Iron & Steel Co.	DH45-9	2	Air	0.099/30	0.65/100	20000	2240	1994
15	Liaoyang Petro-Chemical Fibre Co.	DH45-10	1	Air	0.098/25	0.666/104	20000	2240	1994
16	Su County Light Industrial Chemical Plant	DH45-11	1	Air	0.099/30	0.646/104	20000	2240	1995
17	Yantai Tenghui Copper Co.	DH45-12	1	Air	0.102/30	0.66/100	20000	2240	1995
18	Yanshan Petro-Chemical Complex No. 1 Chemical Plant	SVK32	1	Air	0.0951/30	0.7/40	23000	2350	1999
19	Shanghai Petro-Chemical Complex No. 2 Chemical Plant	DH63-1	3	Air	0.098/33.1	0.676/105	40200	4100	1983
20	Daqing Ethylene Plant	DH63-2	1	Air	0.096/30	0.676/105	38000	4100	1985

## 6. Centrifugal Compressors for Air Separation plant under 10000Nm<sup>3</sup>/h

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
21	Liujiaxia Fertilizer Plant	DH63-3	2	Air	0.08/32	0.598/105	34500	3700	1986
22	Shuicheng Steel Plant	DH63-4	1	Air	0.079/28	0.578/95	34500	3700	1987
23	Shijiazhuang Steel Plant	DH63-5	1	Air	0.094/35	0.647/100	36000	3700	1988
24	Echeng Steel Plant	DH63-6	1	Air	0.095/35	0.647/100	36000	3700	1988
25	Yilan Coal Gas Plant	DH63-7	1	Air	0.079/22	0.618/100	33500	3700	1989
26	Sanming Steel Plant	DH63-8	1	Air	0.095/35	0.647/100	36000	3700	1989
27	Tianjin Steel Plant	DH63-9	1	Air	0.096/30	0.636/100	36000	3700	1991
28	Chengdu Seamless Tubing Mill	DH63-10	1	Air	0.954/30	0.666/100	34500	3700	1991
29	Baiyin Non-Ferrous Metal Ltd.	DH63-11	1	Air	0.08/25	0.618/93	30000	3200	1991
30	Haolianghe Fertilizer Plant	DH63-12	1	Air	0.0961/30	0.6225/91	30000	3200	1991
31	Tianjin Ethylene Plant	DH63-13	2	Air	0.0961/32	0.6225/100	33000	3400	1994
32	Hubei Daye Non-Ferrous Company	DH63-14	2	Air	0.0986/32	0.67/100	31500	3400	1994
33	Hubei Chemical Plant	DH63-15	1	Air	0.095/32	0.67/100	32000	3250	1994
34	Tonghua Iron & Steel Co.	DH63-16	1	Air	0.098/30	0.6484/98	34500	3700	1994
35	Maoming Ethylene Plant	DH63-17	2	Air	0.0973/34	0.672/101	33000	3700	1994
36	Zhangjiagang Iron & Steel Co.	DH63-18	1	Air	0.0953/30	0.67/100	32000	3400	1994
37	Harbin Oxygen Machinery Works	2MCL456	1	Air	0.1/35	0.65/150	8500	1250	1994
38	Jilin Chemical Co., Calcium Carbide Plant	2MCL456+MCL404	1	Air	0.104/15	2.1/42	13000	2500	1995
39	Jilin Chemical Co., Calcium Carbide Plant	DH63-19	2	Air	0.095/30	0.67/105	32000	3400	1995
40	Shijiazhuang Steel Plant	DH63-20	1	Air	0.095/30	0.68/105	32500	3400	1995

## 6. Centrifugal Compressors for Air Separation plant under 10000Nm<sup>3</sup>/h

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
41	Benxi Beitai Steel Plant	DH63-21	1	Air	0.098/30	0.67/100	32000	3400	1995
42	Jiangyin Steel Plant	DH63-22	1	Air	0.0957/30	0.668/100	32500	3400	1996
43	Benxi Beiyong Steel-Making Ltd.	DH63-23	1	Air	0.097/32	0.65/100	32000	3400	1997
44	Lanzhou Chemical Engineering Co.	DH63-24	1	Air	0.0832/32	0.65/100	32500	3400	1997
45	Liujiaxia General Fertilizer Plant	DH63-25	1	Air	0.082/31.5	0.66/100	38000	4100	1997
46	Panzhuhua Iron & Steel Co., Oxygen Plant	DH71-1	2	Air	0.085/30	0.618/40	41000	4100	1984
47	Panzhuhua Iron & Steel Co.	DH71-2	2	Air	0.085/30	0.6176/41	40000	4100	1993
48	Lanzhou Steel Plant	DHP63-1	1	Air	0.0826/32	0.65/100	32000	3700	1993
49	Xinjiang Iron & Steel Co.	DHP63-2	1	Air	0.0878/26	0.65/100	32500	3400	1994
50	Chengdu Iron & Steel Plant	DHP63-3	2	Air	0.0993/36	0.67/104	34000	3700	1995
51	Yima Coal Gas Chemical Plant	SIC705-2	2	Air	0.09457/30	0.68/100-110	38500	3900	1998
52	Qilu Petro-Chemical Co.	SIC705-1	1	Air	0.96/32	0.67/100	34000	3400 (Turbine)	1990
53	Laiwu Iron & Steel Co., Ltd.	DH71	1	Air	0.09746/31	0.5(G)/<100	4545 (wet)	4200/6	2002
54	Henan Kaiyuan Electro-mechanics Co.Ltd.	DH63-29	1	Air	0.098/25	0.617/98	36000	3700	2003
55	Tangshan Xingye Industry Trade Co.Ltd.	DH63-28	1	Air	0.1/30	0.608/100	36000	3700	2003
56	Kaifeng Liantong Air Separating Equipment Co.	DH63	1	Air	0.098/25	0.61/98	36000	3700	2003
57	Zhumadian South Iron&Steel Co.Ltd.	DH63	1	Air	0.098/25	0.51/98	36000	3700	2003
58	Sichuan Air Separating Equipment Co.	DH63	1	Air	0.098/32	0.68/110	34500	3700	2004
59	Sichuan Air Separating Equipment Co.	DH63	1	Air	0.098/32	62/110	34000	2900	2003
60	Sichuan Air Separation (Henan Yuquan)	DH63	1	Air	32000	32	0.097/0.61	3200	2004

## 6. Centrifugal Compressors for Air Separation plant under 10000Nm<sup>3</sup>/h

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm3/h	KW	
61	Kaifeng Air Separation Huanghe Oxygen Making Machine Plant	DH63	1	Air	35000	30/98	0.098/0.6	3400	2004
62	Suzhou Oxygen Making Machine Corporation	SVK32-3S	1	Air	24000	35	0.0983/0.63	2550	2005
63	Sichuang Air Separation---Lanzhou Petrochemical	DH63	1	Air	34000	32/100	0.083/0.59	3600	2005

## 7. Centrifugal Compressors for 10000-15000Nm<sup>3</sup>/h Air Separating Plant

Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced
				Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	Time
Panzhuhua Iron & Steel Co., Oxygen Plant	DH80-2	1	Air	0.085/34	0.642/100	59790	6000	1984
Yangzi Chemical Co.	DH80-3	2	Air	0.098/32	0.667/97	58000	5600	1985
Maanshan Iron & Steel Co.	DH80-4	1	Air	0.097/35	0.647/97	57000	5600	1986
Lunan Fertilizer Plant	DH80-5	1	Air	0.1/31.5	0.637/95	56000	5600	1986
Benxi Iron & Steel Co.	DH80-6	1	Air	0.097/30	0.647/100	57100	5600	1987
Baotou Iron & Steel Co.	DH80-7	1	Air	0.088/30	0.618/97	57300	5600	1988
Yilan Coal Gas Plant	DH80-8	1	Air	0.097/22	0.627/105	54000	5400	1990
Chongqing Iron & Steel Co., Oxygen Plant	DH80-9	1	Air	0.097/32	0.647/97	56500	5600	1991
Baotou Iron & Steel Co.	DH80-10	2	Air	0.873/30	0.6178/96	57300	5600	1992
Shanghai Coking Plant	DH80-11	1	Air	0.0975/32	0.6965/100	57000	6000	1992
India	DH80-12	1	Air	0.0986/35	0.67/82	58000	5775	1993
Tianjin Alkali Plant	DH80-13	1	Air	0.0989/30	0.667/100	53000	5600	1993
Anshan Iron & Steel Co., Oxygen Plant	DH80-14	1	Air	0.097/25	0.65/100	57000	5400	1993
Lianyuan General Iron & Steel Plant	DH80-15	1	Air	0.0978/32	0.67/95	54000	5400	1994
Guiye Construction Headquarter	DH80-16	1	Air	0.0995/33	0.608/100	52000	5400	1994
Tonghua Iron & Steel Co.	DH80-17	2	Air	0.0949/25	0.672/94.4	53000	5600	1995
Tongling Non-Ferrous Metal Co. (Jinlong)	DH80-18	1	Air	0.1/33	0.608/94	52000	5600	1995
Lunan Fertilizer Plant	DH80-20	1	Air	0.09795/31.5	0.62/100	53000	5400	1998
Panzhuhua Iron & Steel Co.	DHP80-1	1	Air	0.0837/34	0.66/101	53000	6000	1993
Kunming Iron & Steel Co.	DHP80-2	1	Air	0.078/26.8	0.61/90	52000	5600	1994

## 7. Centrifugal Compressors for 10000-15000Nm<sup>3</sup>/h Air Separating Plant

Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
				Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
Kunming Oxygen Plant (co-produced with DEMAG)	*VK40-3	1	Air	0.0791/25	0.59/89	56500	5600	1999
Anshan Iron & Steel (Group) Co.	DH80	1	Air	0.101/30	0.647/100	57000	5400	2001
Sichuan Air Separating Equipment Co.	DH80	1	Air	0.0938/32	0.61/	53500	5200	2003
Xiangtan Iron & Steel Co.	DH90-1	1	Air	0.098/34	0.667/98	73000	7200	1992
Maanshan Iron & Steel Co.	DH90-2	1	Air	0.098/34	0.667/100	73000	7200	1993
Anyang Iron & Steel Co.	DH90-3	1	Air	0.098/30	0.666/102	73000	7200	1995
Handan Iron & Steel. Co.	DH90-4	1	Air	0.098/32	0.67/100	78000	8000	1995
Shanghai Wusong General Chemical Plant	DH90-5	1	Air	0.1/32	0.6965/100	73000	7400	1995
Baotou Iron & Steel Co.	DHP90-2	1	Air	0.08903/30	0.656/100	78000	8000	1995
Sichuan Air Separating Equipment Co.	DH90	1	Air	0.098/32	0.62/	81500	7600	2003
Sichuan Air Separating Equipment Co.	DH80	1	Air	0.0965/32	0.62/105	54000	5300	2003
Sichuan Air Separating Equipment Co.	DH80-22	1	Air	0.0938/32	0.61/105	53500	5200	2003
Sichuan Air Separating Equipment Co.	DH80	1	Air	0.098/32	0.61/105	53000	5000	2003
Sichuan Air Separating Equipment Co.	DH90	1	Air	0.098/32	0.62/105	81900	7600	2004
Hebei Wenfeng Iron&Steel Co.Ltd.	DH90	1	Air	0.096/32	0.65/110	81500	8000	2004
Fushun Xingang Gas Co.Ltd.	DH90	1	Air	0.098/32	0.61/105	70800	6800	2004
Hebei Lixin Industry Co.Ltd.	DH90	1	Air	0.096/35	0.65/110	81500	8000	2004
Sichuan Air Separating Equipment Co.	DH90	1	Air	0.098/32	0.62/105	81500	7600	2004
Hebei Lixin Industry Co.Ltd.	3BCL46	2	Air	0.57/24	4.52/40	50000	5600	2004
Shanxi Fengxi Fertilizer (Group) Co.Ltd.	MCL904+3BCL407	1	Air	0.094/29.2	7.0/196	73000	1.358	2004

## 7. Centrifugal Compressors for 10000-15000Nm<sup>3</sup>/h Air Separating Plant

Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
				Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
Shanxi Shenmu Chemical Industry Co.Ltd.	MC01204+3BCL45	1	Air	0.089/30	7.0/140	158000(F)	22461	2004
Hebei Jiantao Chemical Industry Co.Ltd.	3MCL705	1	Air	0.099/30	0.62/100	34000(F)	3500(steam)	2004
Changda Co.Ltd.,Jilin Changbai Fertilizer Group	MCD1004	1	Air	0.096/30	0.62/110	95000	7840(steam)	2004
Hunan Zhicheng Chemical Corporation	DH90-11	1	Air	66000	32/100	0.097/0.67	6600	2004
Sichuang Air Separation (Hebei)	DH90-12	1	Air	81500	32/110	0.098/0.62	7600	2005
Kaifeng Air Separation Huanghe Oxygen Making Machine Plant	DH90-13	1	Air	80000	32/110	0.098/0.62	7600	2005
Henan Kaiyuan Air Separation Group Co., Ltd.	DH90-15	1	Air	82000	32/100	0.98/0.61	7800	2006
Liaoyang Petrochemical of Sinopec	DH80-25	1	Air	58000	30/100	0.099/0.615	5400	2006



### 8. Centrifugal compressors for Air separation plants over 15000Nm<sup>3</sup>/h

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW	
1	Huainan General Chemical Plant	RR150-4	1	Air	0.1/32	0.61/82.15	155500	1288 (shaft)	1998
2	Huainan General Chemical Plant	08MH6C	1	Air	0.565/25	7.01/38	68800	8593 (shaft)	1998
3	Wuhan Iron & Steel Co., Oxygen Plant	VK160-4	2	Air	0.099/35	0.643/100	151000	15650	1991
4	China Air Separating Equipment Co. (Haolianghe Fertilizer Plant)	3MCL1004+3BCL407	1	Air	0.098/30	7.1/40	96200	12462	2003
5	Shandong Hualu Hengsheng Chemical Co., Ltd.	DMCL1004+2MCL1003+3BCL527	1	Air	0.0993/30	0.525(G)/	220000	17580	2003
6	Anqing Branch of Sinopec	DMCL1204+2MCL1203	1	Air	272000	32/77.1	0.987/8.3	38880	2005
		+3BCL608							
7	Hubei Fertilizer of Sinopec	DMCL1204+2MCL1203	1	Air	246700	32.1/175.5	0.0987/8.31	38880	2005
		+3BCL608							
8	Henan Zhongyuan Dahua Group Co., Ltd.	DMCL1204+2MCL1203	1	Air	279000	0.097/30	7.13	38629	2006
		+3BCL527							
9	Sichuan Air Separation Equipment (Group) Co., Ltd.	MCO1104+3BCL407	1	Air	116000	30/58	0.094/0.63	16300	2006

### 9. Centrifugal Oxygen Compressors for Air Separation Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Qilu Petro-Chemical Co.	3MCL456+MCL353	1	Oxygen	0.123/15	1.275/45	6000	990 (Turbine)	1988
2	Panzhuhua Iron & Steel Co.	2MCL454+3MCL456	1	Oxygen	0.107/25	3.04/129	1000	2300/10	1993
3	Tianjin Dagang Ethylene Plant	2MCL454+3MCL406	1	Oxygen	0.121/20	3.038/42	6000	1600/6	1994
4	China Air Separating Equipment Co. (Tonghua Iron & Steel Co.)	2MCL454+3MCL456	1	Oxygen	0.115/20	3.1/122	10000	2300/6	1995
5	China Air Separating Equipment Co. (Handan General Iron & Steel Plant)	2MCL454+3MCL456	1	Oxygen	0.105/20	3.15/169.9	10000	2300/6	1995
6	Benxi Beiyang Iron & Steel Ltd.	2MCL454+3MCL406	1	Oxygen	0.118/16	3.098/117.5	6000	1600/6	1997
7	Jinan Iron & Steel Co.	2MCL454+3MCL406	1	Oxygen	0.110/28	2.6/≤40	20000	3800/10	2001
8	Tangshan Iron & Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.115/20	3.1/≤40	20000	3700/6	2002
9	Xinyu Iron & Steel Co.	2MCL454+3MCL406	1	Oxygen	0.110/28	3.1/≤40	19000	3600/6	2002
10	Kaifeng Air Separating Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.112/20	3.1/≤42	11000	2300/10	2003
11	Tianjin Iron & Steel Ltd.	2MCL454+3MCL406	1	Oxygen	0.112/28	3.0/40	12000	2600	2003
12	Shandong Taishan Iron & Steel Ltd.	2MCL454+3MCL406	1	Oxygen	0.115/15	3.1/40	12000	2600	2003
13	Jinan Iron & Steel Co.	2MCL454+3MCL406	1	Oxygen	0.11/28	2.16/40	20000	3800	2004
14	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.115/23	1.3/40	6000	1000	2004
15	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.015/25	3.1/40	10200	2400	2004
16	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.113/30	3.1/40	10500	2400	2004
17	Liuzhou Iron&Steel Co.	2MCL454+3MCL406	1	Oxygen	0.104/34	2.7/43	20000	3800	2004
18	Jiantao (Hebei)Coking Co.	2MCL454+3MCL406	1	Oxygen	0.11/25	2.4/42	6000	1250(Steam)	2004

### 9. Centrifugal Oxygen Compressors for Air Separation Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
19	China Air Separating Equipment Co. (Tongguang)	2MCL454+3MCL406	1	Oxygen	0.104/25	3.1/40	20000	3800	2004
20	Fushun Xingang Gas Industry Co.	2MCL454+3MCL406	1	Oxygen	0.03/20	2.5/38	13000	2600	2004
21	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.113/30	3.1/40	10000	2300	2004
22	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.113/25	3.1/40	10000	2400	2004
23	Tengzhou Shenglong Coal&Coking Co.	2MCL454+3MCL406	1	Oxygen	0.01/25	2.5/40	6000	1205(steam)	2004
24	Tangshan Iron & Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.112/28	2.94/40	12000	2600	2004
25	Tangshan Iron & Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.012/20	3.1/40	20000	3700	2004
26	Shandong Gaolun Iron&Steel Co.Ltd.	2MCL454+3MCL406	2	Oxygen	0.02/20	3.0/42	15000	3100/10	2004
27	Tangshan Ganlu Iron& Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.116/20	3.1/40	20000	3700	2004
28	Shandong Fulun Iron& Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.115/20	3.08	15000	3200	2004
29	Jinan Baode Gas Corporation	2MCL454+3MCL406	1	Oxygen	0.110/28	2.6/≅40	20000	Oct-00	2004
30	Tangshan Iron & Steel Co., Ltd.	2MCL454+3MCL406	1	Oxygen	0.015 (G) /20	3.0 (G)	20000	34000	2006
31	Sichuan Air Separation Equipment Co.	2MCL454+3MCL406	1	Oxygen	0.01/40	3	18000	Oct-00	2006

### 10. Centrifugal Nitrogen Compressors for Air Separation Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Shanghai Petro-Chemical Complex	2MCL526+2MCL406	2	Nitrogen	0.098/15	2.205/126	14000	2800/6	1983
2	Yizheng Chemical Fibre Plant	2MCL406+2MCL356	1	Nitrogen	0.137/40	2.45/50	7000	1500/10	1983
3	Anshan Iron & Steel Co., Oxygen Plant	2MCL456+MCL404	3	Nitrogen	0.098/30	1.569/173.4	10000	2000/10	1984
4	Yangzi Chemical Co.	2MCL456+2MCL456	2	Nitrogen	0.103/15	2.059/45	11200	2000/6	1985
5	Daqing Petro-Chemical Plant	2MCL456+2MCL406	1	Nitrogen	0.967/20	2.255/132	8200	1800/6	1985
6	Daqing Ethylene Plant	2MCL457+2MCL406	1	Nitrogen	0.101/35	2.941/40	10000	2000/6	1985
7	Daqing Ethylene Plant	2MCL456+MCL403	1	Nitrogen	0.10/15	1.373/42	14000	2500/6	1985
8	Jingmen Refinery Plant	2MCL457	1	Nitrogen	0.176/40	1.76/104.9	19930	2579 (Turbine)	1985
9	Benxi Iron & Steel Co.	2MCL457-6	2	Nitrogen	0.10/30	0.882/203	7000	1000/6	1987
10	Benxi Iron & Steel Plant	2MCL457	1	Nitrogen	0.1000/40	0.8820/203	7000	1000/6	1987
11	Qilu Petro-Chemical Co.	2MCL526+MCL403	1	Nitrogen	0.108/15	1.37/130	13000	2000 (Turbine)	1988
12	Lanzhou Chemical Industrial Co.	2MCL457	1	Nitrogen	0.09/20	0.834/207	9500	1600/6	1989
13	Liujiaxia Fertilizer Plant	2MCL456+2MCL407	1	Nitrogen	0.0833/40	3.22/42	12000	3200/6	1991
14	Xinjiang Dushanzi Refinery Plant	2MCL407	2	Nitrogen	0.0976/15	0.8796/45	4500	640/6	1992
15	Tianjin Dagang Ethylene Plant	2MCL407	2	Nitrogen	0.1035/20	0.882/42	4500	800/6	1994
16	Yizheng Chemical Fibre Plant	MCL355	1	Nitrogen	0.53/15	1.47/47	6500	630/10	1994
17	Sichuan Air Separating Equipment Co. (Maoming Ethylene Plant)	2MCL457	2	Nitrogen	0.105/20	0.93/201.5	13000	1800/6	1994
18	Sichuan Jianyang Air Separating Equipment Works	2MCL457	2	Nitrogen	0.106/20	0.93/201.5	13000	1800/6	1994
19	Daqing Petro-Chemical Complex	2MCL454+2MCL403	1	Nitrogen	0.098/15	1.41/158.9	20000	3200/6	1995

### 10. Centrifugal Nitrogen Compressors for Air Separation Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
20	Beijing Yanshan Petro-Chemical Co. Chemical Fibre Carpet Plant	2MCL406	1	Nitrogen	0.1015/15	0.7/42	7000	1000/6	1996
21	Benxi Beiyang Iron & Steel Co.	2MCL406+2MCL356	1	Nitrogen	0.103/16	2.6/151.9	7200	1600/6	1997
22	Kunming Jiefangjun Fertilizer Plant	2MCL455+2MCL406	1	Nitrogen	0.099/25	2.5/40	13640	2800/6	1997
23	Liuzhou Chemical Co., Ltd.	2MCL605+3MCL356	1	Nitrogen	0.105/30	32G	34650	5500/6	2003
24	Shandong Hualu Hengsheng Chemical Co., Ltd.	2MCL606+3BCL406	1	Nitrogen	0.106/20	6/40	31500	6253	2003
25	Jinan Iron & Steel Company	SVK16-3S	1	Nitrogen	0.1/28	0.9/	15000	1800	2003
26	Shandong Laigang Yongfeng Iron&Steel Co.	2MCL454+3MCL406	1	Nitrogen	0.101/25	2.6/40	12000	2600	2004
27	Shanxi Yujin Iron&Steel Co.Ltd.	2MCL356+2MCL355	1	Nitrogen	0.1076/37	2.5/40	10000	2000	2004
28	Sichuan Air Separating Equipment Co.	2MCL404+3MCL406	1	Nitrogen	0.005/25	3.1/40	10000	2300	2004
29	Shandong Gaolun Iron&Steel Co.Ltd.	2MCL454+3MCL406	2	Nitrogen	0.11/22	2.3/40	10000	2000/10	2004
30	Beitai Iron & Steel (Group) Co., Ltd.	2MCL605+2MCL405	1	Nitrogen	0.1/24	2.6/40	30000	5400	2004
31	Shandong Fulun Iron & Steel Co., Ltd.	2MCL454+3MCL406	1	Nitrogen	0.11/22	2.3/	10000	2000	2004
32	Anshan Iron & Steel Co.	SVK20-3S	1	Nitrogen	0.105/27	0.81/	20000	2300	2004
33	Anqing Branch of Sinopec	3MCL706	1	Nitrogen	0.007(g)/33	0.7(G)/94	28800	2595	2005
34	Hubei Fertilizer of Sinopec	3MCL706	1	Nitrogen	0.007(g)/33	0.7(G)/94	28800	2595	2005
35	Chongqing Chaoyang Gas Corporation	SVK16-3S	1	Nitrogen	0.107/25	0.897/40	15000	1700	2005
36	Sichuan Air Separation (Lanzhou Petrochemical)	SVK20-3S	1	Nitrogen	0.0898/22	0.8/40	18000	2300	2005
37	Kaifeng Air Separation Huanghe Oxvaen Making Machine Plant	SVK10-4S	1	Nitrogen	0.105/20	2.5/32	10000	2000	2005
38	Jinan Baode Gas Corporation	SVK32-5S	2	Nitrogen	0.102/30	2.1/120	30000	5500	2006

### 10. Centrifugal Nitrogen Compressors for Air Separation Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
39	Linde Process Unit Corporation	MCO905	1	Nitrogen	0.102/14.8	0.74/77.9	72930	6565(汽)	2006
40	Shandong Hualu Hengsheng Chemical Co., Ltd.	2MCL457+3BCL406	1	Nitrogen	0.108/22	1.28/250	21500	4800	2006

## 11. Centrifugal Compressor for Melamine Plants

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Nanjing Qixiashan Resin Plant	MCL405	1	Carrying gas	0.103/140	0.245/251	6000	450/6	1988
2	Fushun Acrylon Plant	MCL804	1	air	0.094/32	0.324/	55700	2600 (Turbine)	1989
3	Jilin Chemical Co. Fertilizer Plant	MCL803	1	air	0.0985/20	0.33/164	58118	4106 (Turbine)	1995
4	Henan Puyang Chemical Accessory Ingredient Plant	MCL454	1	Carrying gas	0.1/145	0.26/280	13000	850/6	1998
5	Daqing Petro-Chemical Complex	MCL403	1	air	0.098/20	0.3	10000	800/6	1998
6	Panjin Huaxing Chemical Co.	MCL404	1	Carrying gas	0.103/140	0.2745/280	8000	630 (Motor)	2000
7	China Petroleum Urumchi Petro-Chemical Co.	2MCL527	1	Carrying gas	0.1029/140	0.52/250	20000	1408 (Turbine)	2002
8	Shandong Oceanic Chemical Co., Ltd.	MCL454	1	Carrying gas	0.105/140	0.3/	16000Kg/h	1120/6	2002
9	Sichuan Meifeng (Group) Co.	MCL604	1	Carrying gas	0.1/140	0.26/260	19500	250/10 (Motor)	2003
10	Jiantao (Panyu Nansha) Petro-Chemical Ltd.	2MCL603	1	Carrying gas	0.1/140	0.25/240	25000Kg/h	1400/10	2003
11	Shandong Oceanic Chemical Co., Ltd.	MCL604	1	Carrying gas	0.1/140	0.26/260	19500kg/h	1400/6	2004
12	Shandong Kuixing Chemical Industry Co.Ltd.	MCL454	1	Carrying gas	0.105/140	0.26/245	14600kg/h	1000/10	2004
13	Guangdong Rongtai Industry Co.	MCL604	1	Carrying gas	0.1/140	0.26/244	21500kg/h	1400/10	2004
14	Puyang San'an Chemical Industry Co.	MCL604	1	Carrying gas	0.1/140	0.26/260	21500kg/h	1400	2004
15	Jiangsu Sanmu Group	MCL604	1	Carrying gas	0.1/140	0.26/250	21500kg/h	1400	2004
16	Jiantao(Changzhou)Chemical Industry	MCL603	1	Carrying gas	0.1/140	0.25/250	25000Kg/h	1400	2004
17	Hualu Hengsheng	MCL604	1	Carrying gas	0.005G/140	0.16G/250	14900	1400	2004
18	Jiangsu Zixin Engineering Co.	MCL604	1	Carrying gas	0.1/140	0.2/250	18500kg/h	1400	2004
19	Henan Junma Chemical Corporation	MCL604	2	Carrying gas	0.1/140	0.26/260	23000	1500	2004
20	Sichuan Chemical General Co.	MCL604	2	Carrying gas	0.1/140	0.26/260	21500	1400	2004

### 11. Centrifugal Compressor for Melamine Plants

No.	Customer	Product Model	Quantit	Medium	Suction	Discharge	Flow	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm3/h	KW/KV	
21	Shanxi Weihe Clean Energy Corporation	MCL604	1	Carrying gas	0.1/140	0.26/260	21500	1400	2004
22	Henan Junma Chemical Corporation	MCL604	1	Carrying gas	0.1/140	0.27	19200	1400/6	2006



## 12. Centrifugal Compressors for Methanol Plants

12. Centrifugal compressor reference list for methanol unit									
Item	Customer	Type	Qty.	Medium	Inlet MPa/°C	Outlet MPa/°C	FLOW Nm <sup>3</sup> /h	Driver KW/KV	Delivery
1	Germu Refinery plant	BCL456+2BCL407	1	synthetic gas	2.14A/40	6.95A/45.4	43338	3331(steam turbine)	1999
2	Daqing oil field methanol plant	2BCL459	1	synthetic gas	1.75/40	5.25/62.7	36700	3063(steam turbine)	2001
3	Shanghai Coking Ltd.Co.	3MCL406	1	propylene	1.2/-40	19/98	10463	16000(motor)	2002
4	Tengchuan Shenglong Coal&Coking Co.Ltd.	3MCL705	1	Air	0.097/20	0.62/88	34000	2950(steam)	2004
5	Shanxi Fengxi Fertilizer Group	3MCL458	1	synthetic gas	3.3/40	6.85/	37100	2192(steam)	2004
6	Yunnan Qili General Equipment Co.	DA60-2	1	circulation gas	4.9/40	5.4/	148194	800	2003
7	Shandong Hengyuan Petro-Chemical Co.	MCL904	1	circulation gas	0.096/31.6	0.4/	66000	5500	2003
8	Yankuangliangongfa Chemical Industry Co.Ltd.	3MCL406	1	synthetic gas	3.0/40	4.85/101.5	9000	2232	2004
9	Sichuan Air Separation (Yankuang Group)	MCO904+3BCL407	1	air	0.097/32	5.9/≤40	83000	12170	2005
10	Yankuang Group Co., Ltd.	3BCL459	1	synthetic gas	2.(a)≤40	5.2	101364	6345	2005
11	Xinjiang Petroleum Administration Bureau Supply Co.	2BCL459	1	synthetic gas	1.94/40	3.27/105.7	80240.2	5529	2005
12	Xinjiang Petroleum Administration Bureau Supply Co.	2MCL406	1	feed gas	0.9/40	2.92/127.9	26000	1523	2005
13	Xinjiang Petroleum Administration Bureau Supply Co.	D200-2 (Blower)	1	exhaust gas	0.1096/20	0.197/	1vm <sup>3</sup> /min180	340	2005
14	Tianji Lucheng Chemical Corporation	MCO1004	1	Air	0.089/32	0.62/100	100000	9040	2006
15	Shandong Hongri Akang Chemical Corporation	SV6-M	1	circulation gas	4.9/40	5.5/52.5	254417	1250	2006
16	Yumen Petroleum Administration Bureau	2MCL407	1	feed gas	0.6(A)/30	2.85(A)/109.8	14925	1273	2005

## 12. Centrifugal Compressors for Methanol Plants

17	Yumen Petroleum Administration Bureau	2BCL529	1	hydrogen	2.03(A)/40	3.67(A)/117	58875	1887	2005
18	Henan Kaixiang Chemical Corporation	MCL402	1	analytic gas	0.101/28	0.141	31842	710	2006
19	Henan Kaixiang Chemical Corporation	MCL528+2MCL527	1	ammonia	0.066/-40	1.7	10750(kg/h)	2826	2006
20	Dahua Group Co., Ltd.	2BCL458	1	hydrogen	33(A)/31	74(A)/100.8	79953(kg/h)	3320	2006
21	Dahua Group Co., Ltd.	MCL458+2BCL456	1	ammonia	0.67(A)/-40	4.99(A)/144.4	9970(kg/h)	1151	2006
22	Shandong Hongri Akang Chemical Corporation	SV6-M	1	hydrogen	4.9/(A)/40	5.5(A)/52.5	254417	1400/10	2006
23	Germu Refinery plant	2MCL458	1	carbon dioxide	0.105(A)/40	2.6(A)/232.9	8800	1953	2006
24	Ningxia Coal Group Corporation	3BCL459	1	synthetic gas	3.3/40	8.3	525525	6496	2006
25	Shanxi Heimao Coking Co.	3BCL459	1	synthetic gas	21.4ata(A)/40	61.1 ata (A) /64.8	276476.96	4549	2006
26	Shanxi Heimao Coking Co.	3MCL705	1	air	0.093/20	0.62/91	34000	3355	2006
27	Yulin Coal Chemical Science Technology Co.	2BCL458+3BCL459	1	synthetic gas	0.8/40	5.5/52.7	285500	6259	2006
28	Henan Zhongyuan Dahua Group Co.	2MCL707+2BCL404	1	carbon dioxide	0.009 (G) /10	8.3 (G) /194.7	3700	7050	2006
29	Henan Zhongyuan Dahua Group Co.	MCL807+2MCL805	1	ammonia	-0.032 (G) /-40	1.6 (G) /91.1	41074	6803	2006
30	Henan Zhongyuan Dahua Group Co.	3BCL529	1	synthetic gas	3.11 (G) /30	8.1(G)/50.4	154966	11786	2006
31	Henan Ping'an Chemical Co.	3BCL459	1	synthetic gas	3.17/51	8.9/61.2	86803	5767	2006
32	Dahua Group Co., Ltd.	SV6-M	1	synthetic gas	3.8/200	4.04/209.1	72072(kg/h)	630/10	2006
33	Hebei Xuyang Coking Co.	3MCL705	1	air	0.01/25	2.5(A)	6000		2006
34	Hebei Xuyang Coking Co.	2MCL454+3MCL406	1	synthetic gas	0.01/25	2.5(A)	6000		2006
35	Shandong Haihua Coal Chemical Co.	3BCL459	1	synthetic gas	2.0 (A) /40	6 (A)	213670	4200/10	2006
36	Yankuang Group Co., Ltd.	3MCL807	1	propylene refrigerating	0.12/-40	0.61/130	60050	7347	2006
37	Yankuang Guorong Chemical Co.	3BCL455	1	ammonia	7.6/40	8.3	854230	7691	2006

## 12. Centrifugal Compressors for Methanol Plants

38	Henan Longyu Coal Chemcial Co.	MCL808+2MCL806	1	ammonia	0.63bar(A)/-40	17bar(A)/109	35600	6284	2006
39	Henan Kaixiang Chemical Corporation	SV6-M	1	circulation gas	3.65/200	4.04/215.6	70281	730	2006

### 13. Centrifugal Compressors for Nitric Acid Plant

13. Centrifugal compressor reference list for nitric acid unit									
Item	Customer	Type	Qty	Medium	Inlet	Outlet	FLOW	Driver	Delivery
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Shanghai Wusong fertilizer plant	2MCL455	1	air	0.097/20	0.45/179	14435	1600/6	1992
2	Haerbin Petroleum chemical plant	<del>ZMCL400</del> ZMCL357	1	air	0.096/20	2.45/150	5000	1250/6	1993
3	Shanxi Jiaotong Yanqiao Sythetic Fertilizer Co., Ltd.	CT525	1	AIR+NITRIC EXHAUST	0.089/25	0.45	20500	1800	2005

## 14. Centrifugal Compressor for Acrylonitrile Plants

14. Centrifugal compressor reference list for acrylonitrile unit									
Item	Customer	Type	Qty	Medium	Inlet	Outlet	Flow	Driver	Delivery
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Lanzhou Chemical Industrial Company	MCL524	1	AIR	0.081/30	0.324/228	21566	1843(Turbine)	1989
2	Panjin Organic Chemical plant	MCL703	1	AIR	0.096/30	0.265/169	36500	1750(Turbine)	1991
3	Anqing Petrochemical plant	MCL704	1	AIR	0.098/35	0.32/198	39300	2221(Turbine)	1993
4	Daqing Accessary Agent Plant	MCL804	1	AIR	0.0941/32	0.3236/200	47195	3100(Turbine)	1994
5	Anqing Petrochemical plant	MCL763	1	AIR	0.1/35	0.294/	67772	2726(Turbine)	2001
6	Daqing Branch Co.of PetroChina	MCL454	1	AIR	0.098/30	0.8/127	21000	Jun-54	2003

### 15. Centrifugal Compressors for some other plants

No.	Customer	Type	Qty	Medium	Inlet	Outlet	Flow	Driver	Delivery
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
1	Lanzhou Refinery Plant	2MCL457-1	1	AIR	0.0833/22	0.817/42	9400	1250/6	1982
2	No. 3 UNIT	2MCL605+2MCL457	2	AIR	0.094/20	2.113/45	21360	4200/6KV	1985
3	Maoming Refinery Plant	2MCL527	1	AIR	0.098/30	0.882/203	13120	1929(Turbine)	1987
4	Lanzhou Refinery Chemical Plant	2MCL457	3	AIR	0.0736/22	0.735/216	9700	1600/6	1991
5	Shengli Refinery Plant	2MCL457	2	AIR	0.0931/30	0.848/42	10200	1600/6	1993
6	Shengli oil field	2MCL457	2	AIR	0.0931/30	0.8480/42	10200	1600/6	1993
7	Daqing Petrochemical plant	2MCL456	1	AIR	0.096/30	0.9/42	12000	1800/6	1995
8	Xinjiang Dushanzi Refinery Plant	2MCL456	1	AIR	0.0925/28	0.79/42	12000	1800/6	1995
9	Jinxi Refinery Chemical Plant	2MCL457	2	AIR	0.096/24	0.9	15000	2000/6	1998
10	Lianyungang alkali Plant	2MCL705	4	CO <sub>2</sub>	0.092/40	0.412/140	22200	2220(Turbine)	1987
11	Lianyungang alkali Plant	2MCL605	2	CO <sub>2</sub>	0.087/40	0.491/43	12400	1250(Turbine)	1987
12	Tangshan alkali plant	2MCL705	4	Clean gas	0.092/40	0.412/139	23500	2024(Turbine)	1987
13	Tangshan alkali plant	2MCL605	2	CO <sub>2</sub>	0.087/40	0.471/40	12400	1250(Turbine)	1987
14	Panzhuhua Steel Co.	2MCL605+2MCL457	2	AIR	0.088/33.5	1.47/43	16632	3200/6	1988
15	Shanxi Aluminium plant	2MCL605	1	CO <sub>2</sub> mix	0.096/30	0.451/45	18000	1600/6	1988
16	Shanxi Aluminium plant	2MCL505	2	CO <sub>2</sub>	0.096/300	0.440/136	18000	1600/6	1988
17	JAPAN MES (Jinan terylene plant)	2MCL525+MCL404	1	AIR	0.0973/38	1.275/45	24619	3700/6	1989
18	Panzhuhua Steel Co.	2MCL605+2MCL457	2	AIR	0.088/33.5	1.47/127	16632	3200/6	1990
19	Tianjin Petrochemical plant	2MCL456+MCL403	1	AIR	0.098/40	1.25/42	8900	1600/6	1991
20	Tangshan alkali plant	2MCL705	1	CO <sub>2</sub> MIX	0.0923/40	0.46/148	22200	2220(Turbine)	1994
21	Baoshan steel co.	MCL403	1	AIR	0.1/40	0.24/168	3288	200/380V	1994
22	Baoshan steel co.	MCL403	1	AIR	0.0981/40	0.2354/168.3	3000	200/380V	1994
23	Shoudu Steel Equipment	2MCL457	5	AIR	0.095/22	1.07/178	11400	1800/10	1994;1995
24	Baotou steel co.	2MCL455+MCL403	2	AIR	0.084/28	1.3/230	13800	2500/10	1994;1995
25	Dalian Steel Plant	2MCL456	1	AIR	0.098/30	0.98/42	14400	2240/10	1996
26	Beijing Shoudu Steel Design Dept	2MCL457	1	AIR	0.098/31.8	1.2/214.7	12400	2000/6	1997

### 15. Centrifugal Compressors for some other plants

27	Yangzi Petrochemical plant	2MCL527	1	TORQUE	0.1045/40	0.6/124	10000	1250/6	1997
28	Hebei Zhonghe Medision Plant	2MCL803	2	AIR	0.0933/30	0.25(G)<=30	60000	3300/10	2001
29	Hangzhou Colour Chemical Plant	S1000-19	1	AIR	0.097/62	0.143	60000	1000/10	2002
30	Huabei Medicine Co.ltd	D1000-314	1	AIR	0.096/25	0.308	60000	3000	2002
31	Dangshan Sanyou Chemical Co.Ltd	2MCL705	1	AIR	0.0953/40	0.454	23500	2024	2003
32	Wujiang Silk Co.	3MCL707	2	AIR	0.103/25	0.1317	42000	1957 (Turbine)	2002/3
33	Jinan Steel CO. LTD	DCL706+2MCL707	2	Mixed coke	0.103/25	2.35/231	91960	16500/6.3	2003
34	Guangzhou Branch Co. of SINOPEC	MCL402	1	propane	0.792/22.4	1.537/56	43260	950	2003
35	Shandong Qilu Plastics Reinforcement Co.Ltd.	DG1000-11(blower)	1	AIR	0.98/20	1.588/90	65200	1510	2004
36	Guangzhou Zhaoqing Xinghu Biotech-charatics Co.Ltd.	MCL704	1	AIR	0.98/28	4.116/209	36000	2852	2004
37	Zhejiang Glass Co.Ltd.(Qinghai alkali Industry)	MCL805	2	AIR	0.015G/30	0.08G/239	57000	724	2004
38	Shenyang Designing Rearch Institute(606), China Aviation No.1 Group	2MCL1006	3	AIR	0.098/25	1/194.6	90000	12000/6	2004
39	Shenyang Designing Rearch Institute(606), China Aviation No.2 Group	2MCL806	2	AIR	0.098/25	1/188.5	60000	8000/6	2004
40	Shenyang Designing Rearch Institute(606), China Aviation No.3 Group	2MCL656	2	AIR	0.098/25	1/195.3	30000	4000/6	2004
41	Shenyang Designing Rearch Institute(606), China Aviation No.4 Group	MCL455	3	AIR	0.95/40	1/257.7	150000	15000/6	2004
42	Bengal	2MCL458	2	Natural gas	0.37bar/35	2.7bar/134.8	36000	3600/6.3	2004
43	Tangshan Sanyou Chemical Industry Co.	2MCL705	1	AIR	0.092/40	4.39/141	23500	2024	2003
44	Yidu Dongyang Co.	2MCL1104	3	AIR	0.093/25	3.23/42	96000	6000	2004
45	Sichuan pharmacy Co.	D800-321(blower)	1	AIR	0.095/25	0.35/	850	3200/10	2003

### 15. Centrifugal Compressors for some other plants

46	Lianbang Pharmacy Co.(Sichuan)	D800-320(blower)	2	AIR	0.095/25	0.35/	800	3000/10	2004
47	Ningxia Duoweitairui Pharmacy Co.	2MCL1004	4	AIR	0.087/25	0.339/	1500	4700/10	2003
48	Huangshi Huacheng Pharmacy Co.Ltd.	D100-315(blower)	1	AIR	0.096/32	0.308/	1000	3200/10	2003
49	Chifeng Pharmacy (Group)Co.Ltd.	D1000-28(blower)	1	AIR	0.097/28	0.29/	950		2004
48	Shandong Haitian Biology Chemical Co.	D630-35 (soda)	2	AIR	0.0359/40	0.107	37800	730	2004
49	Shuikoushan Nonferrous Metal Co.	S1000-111 (lead revamp)	1	SO2	-0.000263636	0.0255	60000	1000	2004
50	Shuikoushan Nonferrous Metal Co.	D300-54 (lead revamp)	2	AIR	0.0015/25	0.2	18000	710	2004
51	Shuikoushan Nonferrous Metal Co.	D400-121 (lead revamp)	2	AIR	0.10/29	0.128/	24000	280	2004
52	Nanjing Chemical Industry of Sinopec	2MCL520+MCL452 (cyclohexanones)	1	AIR	0.098/282	1.6	18000	2887	2005
53	Sichuan pharmacy Co.	D800-32 (pharmacy)	1	AIR	0.095/25	0.35/179	51000	3200	2004
54	Chifeng Pharmacy (Group)Co.Ltd.	D1000-28	1	AIR	0.1/28	0.3	57000	3000	2004
55	Hainan Hairan High Tech Energy Corporation	2MCL456 (liquified natural gas)	1	LIQUIFIED NATURAL GAS	448KPa/36	2334KPa/40	55020	4600	2004
56	Zibo Shunda Biology Chemical Co.	D800-326	1	AIR	0.1/36.2	0.337	54000	2856 (axial)	2005
57	Lanzhou Petrochemical of Petrochina	2MCL456 (CO2 recovery)	1	CO2	1.051 (A) /22	9 (A) /40	18000	2194	2005
58	China Combustion Gas Turbine Research Institute	2MCL806	1	AIR	0.095/20	0.703	58879	7500	2005
59	China Combustion Gas Turbine Research Institute	MCL404	1	AIR	0.7/40	2.5	58879	5200	2005
60	China Combustion Gas Turbine Research Institute	MCL355	1	AIR	2.0/40	6.6	58879	4230	2005
61	China Combustion Gas Turbine Research Institute	DMCL1006+MCL903	3	AIR	30.05/20	0.708	1614		2006
62	Lianbang Pharmacy Co.(Chengdu)	D800-320	3	AIR	0.095/25	0.35	48000	3000	2005



### 15. Centrifugal Compressors for some other plants

63	Ningbo Zhenhai Taida Chemical Co.	DG1500-1 (PACharge)	1	AIR	0.1/38.5	0.165	93500	2400	2005
64	Shandong Shengli Biology Project Co.	D450-3 (biology project)	1	AIR	0.979/35	0.32	21000	1600/10KV	2005
65	Shandong Shengli Biology Project Co.	D800-3 (biology project)	3	AIR	0.979/35	0.32	39000	2400/10KV	2005
66	Anhui Ningguo Si'erte Fertilizer Co., Ltd.	S1800-112 (compound fertilizer)	1	SO2	0.091/50	0.128	75000	2100/10KV	2005
67	Bnexi Beiyong Iron & Steel (Group) Co., Ltd.	GM45 (peletizer)	1	AIR	0.098/23.2	0.148	24500	560/6KV	2005
68	Dalian Branch of Petrochina	3MCL527 (polypropylene)	1	AIR	0.098(A)/30	0.8/123	21600	Jun-50	2005
69	USA IR Co.	DG55-1	3	AIR	1150F	14.1PSI	20000SCFM	1120	2006
70	Chongqing Iron & Steel Co., Ltd.	DMCL706+2MCL707 (circulating power generation)	1	MIXED COAL GAS	3kpa(G)/35	2.3(G)/220	94110	17000	2006
71	New Iron& Steel Co. of Beijing Shoudu Iron& Steel	D700-115 (coal gas pressurized)	5	MIXED COAL GAS	3kpa(G)/55	18kpa(G)/110	42000	500/10	2006
72	Jinan Iron&Steel (Group) Co., Ltd.	DMCL706+2MCL707 (circulating power generation)	6	MIXED COAL GAS	3kpa(G)/35	2.35 (G) /220	72681-93552		5月6日
73	Lanzhou Petrochemical of Petrochina	D1400-3 (maleic anhydride)	1	AIR	0.84/22.6	0.3	60000	Jun-00	2006

## 16. SVK series Packaged Isothermal Centrifugal Compressor

SVK COMPACTED ISOTHERMAL CENTRIFUGAL COMPRESSOR REFERENCE LIST									
No.	Customer	Type	Qty.	Media	Inlet Mpa/°C	Outlet Mpa/°C	Flow Nm3/h	Driver KW/KV	Delivery
1	Yumen Refeinery Plant	VK8-3S	3	AIR	0.726/18.8	0.803/40	6000	800	1995
2	ACHENG STEEL	VK8-3S	2	AIR	0.098/34	0.69/110	6320	800	1995
3	TIANJIN DAGU CHEMICAL PLANT	VK8-3S	1	AIR	0.0992/30	0.67/109	8700	1000	1995
4	Zhenjiang Chemical Plant	VK8-3S	2	AIR	0.099/30	0.689/110	6020	800	1995
5	Dalian Petro-Chemcial Co.	SVK6-3S	2	AIR	0.096/30	0.935/40	4500	630	1996
6	Jinzhou Power Plant	SVK4-3S	1	AIR	0.095/27	0.9/40	3000	500	1997
7	TIANJIN DAGU CHEMICAL PLANT	VK8-3S	1	AIR	0.0992/30	0.67/109	8700	1000	1997
8	ANGANG STEEL GROUP	SVK8-3S	3	AIR	0.096/25	0.898/40	6120	800	1998
9	Jinzhou Chemical(Group) Ltd.	VK8-3S	1	AIR	0.098/32	0.667/110	8700	1000	1998
10	Yima Coke gas chemical Plant	SVK8-3S	1	N2	0.101/15	0.696/43	5700	630	1998
11	MESSER Co.	SVK8-3S	2	N2	0.099/30	0.9/38	9000	1120	1998
12	Beijing Yansan No.1 Chemcial Plant	SVK32-3S	1	AIR	0.0951/30	0.7/40	23000	2350	1999
13	Dalian Gas Engine Insistitute.	SVK20-2S	1	AIR	0.098/24.4	0.49/200	18500	1600	2000
14	Sanxi Yongping Referinery Plant	SVK8-3S	2	AIR	0.095/20	0.6/45	8500	900	2000
15	Beijing Yansan No.1 Chemcial Plant	SVK12-3S	1	AIR	0.098/32	0.998/45	12000	1500	2000
16	Sanxi qinjin Coke gas Chemical Engineering Ltd.	SVK10-3S	1	AIR	0.09593/30	0.63/111	10000	1070	2000
17	Beijing Yansan No.3 Chemical Plant	SVK12-3S	1	AIR	0.098/32	0.998/127.6	12000	1500	2000
18	ANSHAN STEEL No. 2 Plant	SVK20-3S	1	AIR	0.098/25	0.748/45	20000	2180	2000
19	Sanxi Yongping Refinery Plant	SVK1-1S	1	AIR	0.6925/40	1.19255/40	3000	132	2000
20	Sanxi Haixin Steel CO.	SVK8-3S	2	AIR	0.0973/35.4	0.8/40	6000	710	2000
21	Zhongyuang Petroleum Chemical Co.Ltd	SVK12-3S	1	AIR	0.09985/32	0.95/40	12000	1500	2000
22	Changzhou Refinery Plant	SVK8-3S	2	AIR	0.0973/26.6	0.9/40	9000	1120	2000

## 16. SVK series Packaged Isothermal Centrifugal Compressor

SVK COMPACTED ISOTHERMAL CENTRIFUGAL COMPRESSOR REFERENCE LIST									
No.	Customer	Type	Qty.	Media	Inlet Mpa/°C	Outlet Mpa/°C	Flow Nm3/h	Driver KW/KV	Delivery
23	Panjin Ethylene Industiral Company	SVK8-3S	1	AIR	0.0973/25	1/120	9000	1120	2000
24	Fuzhou Kangshengshu Group	SVK32-1S	2	AIR	0.096/30	0.266/150	30000	1600	2000
25	Jingliang Special Gas Ltd.	SVK8-2S	1	AIR	0.06/37	3.1/40	36300	2300	2000
26	Fushun Special Steel Co.	SVK12-3S	1	AIR	0.1/25	0.9/40	12000	1500	2001
27	Tianjin Petroleum Chemical Co.	SVK4-3S	1	N2	0.105/30	0.4/40	2600	250	2001
28	Tianjin Petroleum Chemical Co.	SVK6-3S	1	N2	0.4/37	2.6/40	13000	1400	2001
29	Daqing Oilfield Methanol Plant	SVK20-3S	1	AIR	0.98/30	0.63/108	23500	2240	2001
30	Wugang Oxygen Ltd. Co.	SVK20-3S	1	AIR	0.093/35	0.9/45	17089.5(WET)	2100	2001
31	Guangdong Zhongcheng Chemical Ltd	SVK20-3S	1	AIR	0.0994/33	0.6494/37	19000(WET)	2000	2001
32	Shanxi Tianji Coke Chemcial Group	SVK6-3S	1	AIR	0.0911/25	1.0/42	5000	800	2002
33	Dalian Petrochemical Organic Plant	SVK8-3S	2	AIR	0.098/32	0.95/40	7800	1000	2001
34	Sichuang Air separating Equipment Group	SVK20-3S	1	AIR	0.092/30	0.62/114	17000	1850	2001
35	Sichuang Air separating Equipment Group	SVK8-3S	1	N2	0.105/38	1.0/45	6000	900	2002
36	ACHENG STEEL	SVK8-3S	1	AIR	0.1/30	0.66/108	6200	800	2002
37	Tangshan Steel Co.	SVK8-3S	4	AIR	0.098/29.7	0.85/45	8800	1120	2002
38	Jinxi Natural gas Chemical Plant	SVK20-1S	1	vapor	0.098/100	2.2	15700kg/h		2002
39	North Korea	SVK20-2S	1	AIR	0.098/30	0.5	18000		2002
40	Sichuang Air separating Equipment Group	SVK8-3S	1	AIR	0.098/32	0.61/107	6300	710	2002
41	Bila Copper of India	SVK20-2S	1	AIR	0.098/35	0.375/120	23000	1950	2002
42	Zhejiang Fengdeng Chemical Plant	SVK8-2H	1	N2	0.48/35	2.5/40	19800	1800	2002

## 16. SVK series Packaged Isothermal Centrifugal Compressor

SVK COMPACTED ISOTHERMAL CENTRIFUGAL COMPRESSOR REFERENCE LIST									
No.	Customer	Type	Qty.	Media	Inlet Mpa/°C	Outlet Mpa/°C	Flow Nm3/h	Driver KW/KV	Delivery
43	Sichuang Air separating Equipment Group	SVK12-3S	1	AIR	0.95/32	0.62/110	11200	1200/6	2003
44	Baogang Group Shanghai Wugang Ltd	SVK16-3S	1	AIR	0.098/35	0.7	13000	1600/6	2003
45	Guangdong Zhongcheng Chemical Ltd	SVK20-3S	1	AIR	0.0994/33	0.65/37	19000(WET)	2000/10	2002
46	Jiangshu Wujiang Yingxiang Fibre Co.	SVK32-3S	3	AIR	0.102/30	0.912	30000(l)	3000/10	2003
47	Fuzhou Kangshengshu Group	SVK36-1S	3	AIR	0.096/30	0.27	32000(l)	1600/6	2002
48	Sichuang Air separating Equipment Group	SVK6-2H	1	AIR	0.6/31	3	32000	3000/6	2003
49	Shangdong Tianshan Steel	SVK6-3S	1	N2	0.098/25	1.0/40	6000	900/6	2003
50	Lianyuan Steel Group	SVK8-3S	1	N2	0.104/35	0.9	8000	1000/6	2002
51	Shenyang Turbo Mechanics Co.	SVK8-3S	2	AIR	0.1/29.6	0.9	9000	1000/6	2002
52	Shanxi Haixin Steel CO.	SVK8-3S	1	AIR	0.095/35.4	0.8	6000	710/10710/6	2003
53	Panggang Chengdu Steel Co.	SVK8-3S	1	N2	0.105/14	0.8<=40	8000	900/6900/6	2003
54	Fushun Petroleum Chemical Co.	SVK8-3S	1	AIR	0.096/30	0.9	8626	1000/6	2002
55	Tianjin Dagou Chemical Co., Ltd.	SVK20-3S	1	AIR	0.1/32	0.62/42	24000	2500	2003
56	Sichuan Air separating Equipment Group	SVK40-2H	1	AIR	0.096/30	0.38	40000	4100	2004
57	Sichuan Air Separating Equipment Co., Ltd.	SVK32-3S	1	AIR	0.0793/30	0.61/105	18600	2200	2004
58	Jinan Iron&Steel Co.	SVK20-3S	1	AIR	0.098/35	0.9/	15000	2200	2004
59	Jinan Iron&Steel Co.	SVK16-3S	1	N2	0.1/28	0.9/	15000	1800	2003
60	Sichuan Anxian Army 63833	SVK12-4H	1	AIR	0.098/25	2.15/42	12000	2000	2003
61	Zhangjiaguang Hongfa Iron&Steel Co.	SVK20-3S	1	AIR	0.0983/30	1.0/40	18000	2000	2004
62	Fujian Shouning Xingyao Gas Co.Ltd.	SVK20-3S	1	AIR	0.098/32	0.61/110	18500	2000	2004

## 16. SVK series Packaged Isothermal Centrifugal Compressor

SVK COMPACTED ISOTHERMAL CENTRIFUGAL COMPRESSOR REFERENCE LIST									
No.	Customer	Type	Qty.	Media	Inlet	Outlet	Flow	Driver	Delivery
					Mpa/°C	Mpa/°C	Nm <sup>3</sup> /h	KW/KV	
63	Shandong Hengtong Chemical Co.	SVK20-3S	1	AIR	0.098/25	0.7/40	19800	2300	2004
64	Sichuang Air separating Equipment Group	SVK20-3S	1	AIR	0.098/32	0.62/109	17000	1800	2004
65	Shijiazhuang Coking Group Co.	SVK20-3S	1	AIR	0.1/30	0.65/40	17000	1800	2004
66	Xi'an Beipu Gas Co.Ltd.	SVK12-3S	1	AIR	0.096/30	0.94/40	9500	1300	2004
67	Chongqing Iron&Steel Co.	SVK12-3S	1	AIR	0.094/45	0.894/50	12000	1300	2004
68	Beitai Iron&Steel Co.	SVK12-3S	1	AIR	0.0996/28	0.9/40	12000	1600	2004
69	Fengyuan Suzhou Biochemical Co.Ltd.	SVK16-3S	1	AIR	0.101/35	0.67	13500	1250	2004
70	Wukuang Yingkou Zhongban Co.Ltd.	SVK8-3S	2	N <sub>2</sub>	0.102/31	0.98/45	9200	1120	2004
71	Guangdong Zhongcheng Chemical Ltd	SVK32-3S	1	AIR	0.0994/33	0.65/40	26000	2800	2004
72	Sichuan Air Separating Equipment Co.	SVK8-3S	1	N <sub>2</sub>	0.107/37	0.897/40	9200	1120	2004
73	Sichuan Air Separating Equipment Co.	SVK20-3S	1	AIR	0.005G/25	1.0/40	20000	2500	2004
74	Sichuan Air Separating Equipment Co.	SVK40-2H	1	AIR	0.58/35	3/40	43000	4100	2004
75	Chengdu Shenleng Air Separating Equipment Co.	SVK20-3S	1	AIR	0.098/32	0.61/110	15500	1800	2004
76	Yidu Dongyangguang Pharmacy Co.	SVK8-2S	1	AIR	0.098/30	0.32/42	7800	630	2004
77	Luoyang Zhonghao Liming peroxide Co.Ltd.	SVK20-3S	1	AIR	0.098/25	0.65/40	19800	2100	2004
78	Sichuan Air Separating Equipment Co.	SVK10-3S	2	N <sub>2</sub>	0.103/30	1.0/40	10000	1300	2004
79	Shanxi Coking Co.	SVK12-4H	1	AIR	0.094/34	2.3/	9000	2000	2004
80	Sichuan Air Separating Equipment Co.	SVK20-3S	1	AIR	0.097/35	0.62/115	18300	2000	2004
79	Sichuan Air Separation	SVK32-3S	1	AIR	0.09/33	0.62/<110	24000	2600	2004
80	Shanxi Coking Co.	SVK12-4H	1	AIR	0.094/34	2.396	9000	2000	2004
81	Hubei Fertilizer of Sinopec	SV12-T	1	Circulating Gas	3.8 (G) /200	4.14 (G) /213	167940Kg/h	945	2005
82	Lianyuan Steel Group	SVK16-3S	1	AIR	0.104/24	0.9/	15000	1800	2005

## 16. SVK series Packaged Isothermal Centrifugal Compressor

SVK COMPACTED ISOTHERMAL CENTRIFUGAL COMPRESSOR REFERENCE LIST									
No.	Customer	Type	Qty.	Media	Inlet Mpa/°C	Outlet Mpa/°C	Flow Nm <sup>3</sup> /h	Driver KW/KV	Delivery
83	Ningbo Engineering Co. of Sinopec	SV12-T	1	Circulating Gas	3.8 (G) /200	4.14 (G) /213	168048 Kg/h	950	2005
84	Anqing Branch of Sinopec	SV12	1	Circulating Gas	3.8 (G) /200	4.14 (G) /213	167940 Kg/h	965	2005
85	Neimenggu Zhongmu Jinhe Biology Medicine Co., Ltd.	SVK16-2S	3	AIR	0.087 (A) /6 。 7	0.325 (A) /40	250	1120	2004
86	Hunan Zhicheng Chemical Co., Ltd.	SVK32-3S	1	AIR	0.0994/33	0.65	26000	2800	2005
87	Lihuayi Group Co., Ltd.	SVK8-3S	1	AIR	0.098/26.6	0.8/40	8300	1000	2005
88	Chongqing Iron&Steel Co.	SVK12-3S	1	AIR	0.098/45	0.9/50	12000	1300	2005
89	Kaifeng Air Separation Oxygen Making Machine Plant	SVK10-4S	1	N <sub>2</sub>	0.105 / 20	2.5	10000	Jun-00	2005
90	Weifang Xingxing Lianhe Chemical Co., Ltd.	SVK32-3S	1	AIR	0.997/26	0.65 (A)	24000	Oct-00	2006

## 17. Centrifugal Compressors for Instrument air and Pneumatic air station

17. CENTRIFUGAL COMPRESSOR REFERENCE LIST FOR INSTRUMENT AIR SEPARATING AND POWER STATION									
No.	Customer	Type	Qty	Medium	Flow	Tin/Tout	Pin/Pout	Driver	Delivery
					Nm <sup>3</sup> /h	°C	Mpa	KW/KV	
1	Jinzhou Power Station	SVK4-3S	1	AIR	3000	27/40	0.095/0.9	500	1997
2	Yumen Refinery Plant	VK8-3S	3	AIR	6000	18.8/110	0.0726/0.803	800	1995
3	ANSHAN STEEL Group	SVK8-3S	3	AIR	6120	25/40	0.096/0.898	800	1998
4	Jinzhou Refinery Power Station	DH35-2	2	AIR	6000	30/40	0.10/0.686	1000	1986
5	Yizhen Fibre plant	DHP40-1	1	AIR	10200	30/43	0.10/0.833	1500	1988
6	Changling Refinery Plant	DHP40-2	1	AIR	7500	40/40	0.098/0.784	1250	1987
7	Tiangnag Power Plant	DHP40-5	2	AIR	9000	28/43	0.093/0.8826	1600	1991
8	Fushun Petroleum NO.2 Plant	DHP40-6	2	AIR	10200	30/43	0.097/0.8826	1600	1990
9	Panjin Chemical Plant	DHP40-6	1	AIR	10200	30/43	0.0970/0.8826	1600	1992
10	Shichuang Weinilun Plant	DHP40-8	1	AIR	12000	32/25	0.0951/0.8826	1600	1991
11	Liaoyang Fibre Plant	DHP40-11	1	AIR	10200	30/45	0.097/0.8826	1600	1992
12	Dalian Refinery Plant	DHP40-12	2	AIR	11700	30/97	0.098/0.9316	1800	1992
13	Fushun Petroleum NO.3 Plant	DHP40-13	1	AIR	10200	30/43	0/097/0.8826	1600	1992
14	Jinling Petrochemical Refinery Plant	DHP40-14	1	AIR	10200	30/105	0.098/0.8335	1600	1994
15	Maoming Ethylene Engineering	DHP40-15	2	AIR	10200	34/40	0.097/0.8826	1600	1994
16	Huhehaote Refinery Plant	DHP40-16	1	AIR	10100	32/40	0.087/0.8900	1800	1995
17	Jihua Organic Sythetic Plant	DHP40-17	1	AIR	11000	22.9/41	0.09845/0.8826	1800	1996
18	Beixi Special Steel Plant	DHP40-18	1	AIR	12000	28/45	0.097/0.82	1600	1997
19	Fushun Petroleum No. 3 Plant	DHP40-19	1	AIR	12000	30/43	0.099/0.826	1800	1998
20	Lanzhou Refinery Plant	DH45-1	1	AIR	18000	30/100	0.075/0.06860	2500	1987
21	Wuhan Steel Co.	DHP45-2	3	AIR	18100	35/50	0.093/0.7940	2240	1988
22	Panzihua Steel CO.	DHP45-3	2	AIR	9000	33.5/43	0.085/0.873	1500	1990

## 17. Centrifugal Compressors for Instrument air and Pneumatic air station

17. CENTRIFUGAL COMPRESSOR REFERENCE LIST FOR INSTRUMENT AIR SEPARATING AND POWER STATION									
No.	Customer	Type	Qty	Medium	Flow	Tin/Tout	Pin/Pout	Driver	Delivery
					Nm <sup>3</sup> /h	°C	Mpa	KW/KV	
23	Yunan smelter	DHP45-3	1	AIR	9000	33.5/43	0.085/0.873	1500	1995
24	Sougang Steel Co.	DHP45-4	2	AIR	18150	31.8/43	0.098/0.7840	2240	1989
25	Dalian Chemical Plant	DHP45-5	2	AIR	13200	26.4/42	0.098/0.706	1500	1987
26	Dalian Steel	DHP45-6	1	AIR	18500	34/42	0.098/0.7940	2240	1998
27	Luoyang Refinery Plant	DHP45-7	1	AIR	19200	25/44	0.098/0.784	2240	1989
28	ANSHAN STEEL Group	DHP45-8	3	AIR	18600	30.2/105	0.097/0.8330	2500	1989
29	Dalian Refinery Plant	DHP45-9	3	AIR	16000	30/45	0.098/0.8336	2240	1992
30	Baotou Steel Plant	DHP45-10	2	AIR	18500	28/44	0.087/0.75	2500	1993
31	Daqing Oilfield Plant	DHP50-1	2	AIR	21600	20/35	0.097/0.9	2700	1996
32	Haerbin Refinery Plant	DHP56-1	2	AIR	24000	28/40	0.097/0.899	3000	1995
33	Shandong Huaxing Petro-chemical Co.	SVK8-35	2	AIR	9000	31.1/40	0.1015/0.8	1120/10	2004
34	Daqing Branch Co.of PetroChina	3MCL527	1	AIR	21000	30/127.3	0.098/0.8	2400	2004
35	Hangzhou Xiaoyue Thermoelectricity Co., Ltd	2MCL806	1	AIR	66000	30/	0.1/1.0	6800	2005
36	Yueyang Shell Co., Ltd. of Sinopec	SVK1-1	1	AIR	5010	18/40	0.648/0.8	105	2005
37	Jinxi Petrochemical of Petrochina	2MCL606	1	AIR	480	28/40	0.098(A)/0.8(G)	3800	2005
38	Oxygen Co., Ltd. of Wuhan Steel Group	SVK40-3S	3	AIR	33000	35/43	0.098/1.0	4200	2005
39	Daqing Petrochemical of Petrochina	3MCL526	1	AIR	18000	30/138	0.096/0.9	Jun-00	2005
40	Linde Process Unit Co.	SVK2-1H	1	DRY AIR	9920	18/38	0.611/0.805	220/380	2005
41	Lihuayi Group Co., Ltd.	VK8-3S	1	AIR	8300	22.6/40	0.098/0.8	1000/10	2005
42	Hebei Zhongjie Petrochemical Group Co., Ltd.	SVK8-3S	1	AIR	9000m <sup>3</sup> /h	32/40	0.1006/0.9	1000/10	2006



18. BLAST FURNACE D SERIES CENTRIFUGAL BLOWER REFERERENCE LIST

Item	customer	type	unit	media	flow M3/min	Temperature °C	pressure kpa	Raised Pressure kpa	N shaft KW	RPM	motor type	motor power N(KW)	motor voltage V	OUT PUT
1	Guangxi Yajmai Steel	D210-41		AIR	200	20	96.11	100.3	385	2940	JK500-2	500	6000	
2	Xuanhua Steel Plant	D300-43		AIR	300	20	98.07	88.26	520	2975	JK630-2	630	6000	
3	Albania Smelt United Corp.	D800-31		AIR	850	20	101.011	173.58	2160	5550	YK2500-2	2500	6000	
4	Baotou Steel Company	800-31		AIR	850	20	101.011	173.58	2160	5550	YK2500-2	2500	380/600 V	
5	Hangzhou Steel Plant	D900-22		AIR	900	20	96.11	119.64	1780	6130	STEAM TURBINE	3200	6000	
6	Lingyuang Steel Plant	D900-31		AIR	950	20	98.07	205.94	2885	5970	YK3200-2	3200	6000	
7	Beitai Steel Plant	D900-32		AIR	872	34	98.07	132.39	2000	5409	YK2500-2	2500	6000	
8	Sanming Steel Plant	D900-36		AIR	875	30	96.11	134.35	2000	5409	YK2500-2	2500	6000	
9	Sanming Steel Plant	D900-310		AIR	900	30	98.07	166	2140	5522	YK2500-2	2500	6000	
10	Fen Steel Corp.	D1000-24		AIR	1000	20	93.16	122.59	2390	6540	YK2500-2	2500	6000	
11	Tonghua Steel Corp.	D1000-32		AIR	1000	22.2	94.83	179.76	2885	5970	YK3200-2	3200	6000	
12	Shijiazhang Steel Plant	D1000-32		AIR	1000	22.2	94.83	179.76	2760	5855	YK3200-2	3200	6000	
13	Sanming Steel Plant	D1000-37		AIR	1050	30	96.105	160.255	3000	5600	STEAM TURBINE	3000		
14	Liuzhou Steel CO.	D1000-39		AIR	1000	22.2	94.83	179.75	2885	6141	YK3200-2	3200	6000	
15	Liuzhou Steel CO.	D1000-310		AIR	1000	22.2	94.86	179.82	2885	6141	YK3200-2	3200	6000	
16	India South Steel Plant	D1100-31		AIR	1100	38	96.08	192.16	2973	6000	STEAM TURBINE			
17	Tonghua Steel Corp.	D1150-31		AIR	1150	22.2	95.1	169.61	3040	5970	YK3200-2	3200	6000	
18	Wuan 2672 Plant	D1200-24		AIR	1200	20	98.1	166.77	3050	7775	YK3400-2	3400	6000	
19	Nanjing Steel Plant	D1250-33		AIR	1300	25	98.9	210	1020	4786	Y900-11-4	4500	6000	
20	India Sujiana Plant	D1250-37	1	AIR	1250	39.6	91.8	213.7	3780	5012	YKKS4200- 4	4200	6600	1997
21	Anyang Steel Plant	D1300-31	1	AIR	1300	27	95	219	3700	6277	T4200-4	4200	6000	1997
22	Chongqing Steel Corp.	MA80(shaft)	2	AIR	1619	29	97.3	240		6608		8000	36000	1999
23	Jiangsu Sha Steel	D1300-32	3	AIR	1300	32	95	219	3700	6278	YKS800-4	4200	10000	1999

24	Nanjing Steel Plant	D1300-33	1	AIR	1300	25	97	217	3700	6295	Y900-11-4	4200	6000	1999
24	Lingyuang Steel Plant	D1300-34	2	AIR	1200	29	98	206	3585	6150	YKS4000-4	4000	6000	2000
25	Beilong Steel Plant	D1300-35	4	AIR	1320	20	98	320	3877	6142	Y900-4	4200	6000	2000
26	Tangshan Jinxi Steel Plant	D1300-36	1	AIR	1300	25	98	320	3876	6142	YKS800-4	4200	6000	2000
27	Hefei Steel Corp.	D1200-32	1	AIR	1200	25	98	294	3235	6300	by customer	3600	6000	2000
28	Taishan Steel Corp.	D1000-312	1	AIR	1000	27	95	300	2880	6778	YK3000-2	3000	6000	2000
29	Iran Meibaode	MCL1003	1	AIR	1200N7	40	84.7	322	4029	6045	T5400-4	5400	6000	2000
30	Hefei Steel Plant	D1100-31	1	AIR	1100	25	98	294	2998	6027	by customer	3200	6000	2000
31	Maansan Steel Corp.	D950-26	2	AIR	950	25	96	274.5	2390		by customer	2500		2000
32	Xinfu STEEL Plant	D1300-37	2	AIR	1300	25	98	300	3600	6038	YKS4000-4	4000	6000	2000
33	Pingxiang Steel Corp.	D1650-31	1	AIR	1650	34.4	97.2	350	4956	5648	YKS5500-4	5500	6000	2000
34	Tangshan Guofeng CO.ltd	D1300-38	2	AIR	1300	29	98	320	3876	6142	YKS4200-4	4200	10000	2000
35	Taishan Steel Corp.	D1000-313	1	AIR	1000	27	96.87	300	2731	6778	STEAM TURBINE			2000
36	Beitai Steel Plant	D1400-32	2	AIR	1400	20	95.1	343	4493	6458	YKS5500-4	5000	6000	2000
37	Maansan Steel Corp.	D1100-33	1	AIR	1100	30	98	290	2971	5600	STEAM TURBINE			2001
38	Zhangdian Steel Plant	D1500-31	1	AIR	1500	36	98	300	4045		YKS4500- 4	4500	6000	2001
39	Fushun Xinfu Steel Corp.	D1400-33	1	AIR	1400	30	98	314	4132	6250	YK4500-2	4500	3336	2001
40	Nanjing Steel Plant	D1400-34	1	AIR	1425	30	96	333	4470	6475	by customer	5000	6000	2001
41	Shandong Shine Speical Steel Corp.	D1400-35	1	AIR	1290	14.3	100.4	330	4375	6515	YK4800-4	4800	10000	2002
42	Shandong Shine Speical Steel Corp.	D1400-36	1	AIR					4295	6515	N4.5-2.35	4295	STEAM	2002
43	JINDAL STEEL & POWER LIMITED	D630-33	2	AIR	525N	31	97.4	320	1878		YKS2100-2	2100	6600	2001
44	Jiuquang Steel Corp.	D1400-37	4	AIR	1041.3N	12.1	93.72	320	4095	6520	YKS4500-4	4500	10000	2002
45	Nanjing Steel Plant	D1400-33	1	AIR	1400	25	96	344	4470	6457		5000	6000	2002
46	Hebei Puyang Steel Ltd.	D1400-39	2	AIR	1400	25	99	324	4270	6400	YK4700-4	4700	10000	2003
47	Wukuang Yingkou Zhongban Ltd	MCL1104	3	AIR	1820	28.5	98.4	271.6	6773	4659		7500	10000	2003
48	Zibo Shuntai metallurgy Co.	D900-316	2	AIR	900	36	98	280	2188	6580	Turbine			2003
49	Beitai Steel Plant	MCL1104	1	AIR	1800	25	96.5	382	7188	4918		7800	10000	2003
50	Wukuang Yingkou Zhongban Ltd	MCL1104	3	AIR	1820	28.5	98.4	370	6773	4659	YKS900-4	7500	10000	2003

51	Shuiye Iron&Steel Co., Angang Group	D1300-310	1	AIR	1300	27	95	308	3700	6277	T4200-4	4200	6000	2003
52	Zhengye Zengqi New Steel Plant	D1000-316	3	AIR	1000	25	98	270	2400	6200	YK0s3200-2	3000	10000	2004
54	Yunnan Shizong Minke Coal Co., Ltd.	D700-25	1	AIR	700	26	80.7	90.3	1193	6026	YK1400-2	1400	6000	2004
55	New Funshun Steel Co., Ltd.	MCL1104	1	AIR	1850	20	98	242	6010	4700		6700	6KV	2004
56	Vissa Co. of India	D630-36	2	AIR	22500m3 /h	47	30	20	1600		YKS560- 2MT	2000	6600	2004
57	Benxi Iron & Steel (Group) Co., Ltd.	2MCL706	1	AIR	41000 m3/h	40	103	807	4786	7354				2005
58	Indian JSW Co. Limited	MCL1105	2	AIR	105336 m3/h	40	347	251	8056	4833	STEAM TURBINE	8860		2005
59	Jinal Iron & Steel Energy Co, Indian	MCL1105	2	AIR	105336 m3/h	33.5	347	251	8056	4833	STEAM TURBINE	8860		2005
60	Wuhan Iron & Steel (Group) Co., Ltd.	S1100-115	1	blast furnace gas	1211	45	110	15.5	456	2970	YB450M2-2	500	6000	2005
61	Qujing Huaifu Iron & Steel Co., Ltd.	D1000-317	1	AIR	1100	27	87	211	2833	7100	YK3200-2	3200	6000	2005
62	Shuiye Iron&Steel Co., Angang Group	D1600-32	1	AIR	1600	22	59	291				5800		2005
63	Anshan Mine Co, of Anshan Steel Group	D450-317	1	AIR	550	25	98.37	15.16				1600	3000	2005
64	Sichuan Meishan Hulin Material Plant	D500-32	1	AIR	500	22	98	147				1400		2006
65	Sunflag Iron & Steel Co. of Indian	D1300-314	2	AIR	917 (N)	24	96.9	153 (A)	2423	5525		2700		2006
66	RAMSARUP Iron & Steel Ltd of Indian	D1100-35	1	AIR	917 (N)	40	96	217 (A)	3476	6286	YKS710-4	3900	6.6KV	2006
67	BSSL Co. of Indian	MCL1105	3	AIR	95760 m3/h	47	96	351			汽机	9218		2006

## 19. Reference List of Converter Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Press. Kpa/°C	Press. Rise Kpa/°C	Driver KW/V	Delivery Time
1	India SZK	D700-19		Converter Gas	700	80	24/63	500/6600	
2	Shijiazhuang No. 2 Steel Plant	D1000-12		Converter Gas	1000	98.066	19.6/65	630/6000	
3	No. 2 Steel Plant of Anshan Iron & Steel Co.	D1700-11		Converter Gas	1700	84.14	19.21/65	1000/3000	
4	Meishan Iron & Steel Co.	D3500-11		Converter Gas	3500	78.9	22.6/67	2000/6000	
5	Fuel Gas Plant of Anshan Iron & Steel Co.	D650-17		Converter Gas	500N	3	8	160/380	
6	Tangshan Jinxi Steel Plant	D800-15		Converter Gas	800	-17.64	21.56/60	500/6000	
7	Fushun Steel Plant	D1000-13		Converter Gas	1000	95.7	19.6/50	630/6000	
8	Baotou Iron & Steel Co.	D1000-12		Converter Gas	1000	87	17.6/45	560/6000	
9	India Basel Steel Plant	D1100-13		Converter Gas	1100	80	24/63	630/6000	
10	Benxi Iron & Steel Plant Equipment Devi	D3500		Converter Gas	3350	82.2	22.56/63	1800/10000	
11	Shijiazhuang Xinte Motor Co., Ltd.	D1100-13	1	Converter Gas	1100	80/63	27	800/10000	2002
12	Jilin Jianlong Iron & Steel Co., Ltd.	D900-13	2	Converter Gas	900	77.3/63	32.7	850/6000	2002
13	Anshan Baode Iron & Steel Co., Ltd.	D1100-14	1	Converter Gas	1100	80/64	28	1000/10000	2003
14	Henan Jiyuan Iron & Steel Co., Ltd.	D1100-15	2	Converter Gas	1350	78/65	28	1000/6000	2003
15	Tangshang Iron & Steel Co., Ltd.	D3200-11	1	Converter Gas	3200	81.5/63	26.5	2300/10000	2003
16	Nanjing Iron & Steel Co., Ltd.	D3500-12	1	Converter Gas	3350	78/65	8	2300/10000	2003
17	Wukuang Yinkou Zhongban Co., Ltd.	D3000-11	2	Converter Gas	3000	-26/65	28	2000/10000	2003
18	Anyang Steel Limited	D3000-11	1	Converter Gas	3000	-26/65	28	2000/6000	2003
19	Zhengzhou Zengqi New Steel	D1100-11	5	Converter Gas	1100	85/63	27	800/10000	2004
20	Beiyang Steel (Group) Co.,	D3350-11	3	Converter Gas	3350	-26/65	28	2300/1000	2003
21	Lingyuan Steel Co.,	D340-17	1	Converter Gas	340	2/65	11	132/380	2003
22	Henan Jiyuan Iron & Steel Co., Ltd.	D1100-15	2	Converter Gas	1350	-26/65	28	1000/6000	2003
23	Tianjin Iron Plant	D200-110	8	Converter Gas	180	1/40	29	280/380	2003
24	Benxi Iron & Steel Group	D1250-226	2	Converter Gas	1000	-0.2	116	900/10KV	2004

25	Zhongye Saida Engineering Co., Ltd.	D3500-1	3	Converter Gas	3500	-0.349206349	25.5	2100/10KV	2004
26	New Iron& Steel of Anshan Steel Group	D1100-17	6	Converter Gas	1100	111/25	15	560/	2004
27	Benxi Belying Iron& Steel (Group) Co., Ltd.	D3350-11	1	Converter Gas	3350	-0.4	28	2300/10000	2006

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
1	Fuel Gas Plant of Anshan Iron & Steel	D90-17	1	Coke Oven Gas	89	35	104.9	11.76	63	####	YB280S-2	750	380	
2	Ningbo Coal Gas Plant	D180-21		Coke Oven Gas	178	25	93.14	34.31	130	####	JB560-2	200	6000	
3	Chengde Steel Plant	D290-21		Coke Oven Gas	256.5	25	99.23	26.48	177	7440	YB400-S1	200	6000	
4	Anshan Iron & Steel Co.	D300-15		Coke Oven Gas	288	30	98.07	14.71	134	7008	JB0355M-2	185	380/660	
5	Fuzhou Coal Gas Co.	D300-44		Coke Oven Gas	289	22	94.72	29.42	191	2970	JK500-2	500	6000	
6	Handan Steel Plant	D300-47		Coke Oven Gas	300	35	97.81	29.43	244	2975	JK500-2	500	6000	
7	Guangzhou Steel Plant	D320-51		Coke Oven Gas	320	45	93.17	34.32	230	2950	JK133-2	290	6000	
8	Taiyuan Iron & Steel Co.	D340-13		Coke Oven Gas	340	35	98	11.76	100	2950	JK111-2	110	380/220	
9	Daye Steel Plant	D340-15		Coke Oven Gas	340	35	105.2	11.76	109	2980	JB315-2	132	380	
10	Dalian Chemical Industry Co.	D400-21		Coke Oven Gas	366.67	30	95.71	34.33	261	7104	YB450S8-2	355	6000	
11	Jiangxi Jingdezhen	D450-21		Coke Oven Gas	450	35	93.17	29.41	265	7030	JK134-2	350	6000	
12	Datong Coal Gas Plant	D450-22		Coke Oven Gas	450	30	93.17	34.31	357	6875	JK134-3	440	6000	
13	Kunming Coal Gas Plant	D550-31		Coke Oven Gas	550	35	72.57	88.32	410	7030	JK630-2	630	6000	
14	Albania	D630-21		Coke Oven Gas	600	35	93.16	29.42	383	5480	JK630-21	630	6000	
15	Coking Plant of Benxi Iron & Steel	D630-21		Coke Oven Gas	600	35	93.16	29.42	383	5480	JK630-21	630	6000	
16	Coking Plant of Wuhan Iron & Steel	D630-22		Coke Oven Gas	570	35	100.03	20.59	238	4849	JK500-2	500	6000	
17	Linfen Steel Plant	D630-23		Coke Oven Gas	583.3	23	91.49	29.42	508	5364	JB710M1-2-6	630	6000	
18	Taiyuan Chemical Industry Co.	D630-27		Coke Oven Gas	583.3	23	-4.9	29.4	1570	5364	YB560S-2	560	6000	
19	Shenyang Coal Gas Plant	D750-21		Coke Oven Gas	750	35	93.14	29.4	460	4800	JK630-2	630	3/6KV	
20	Coking Plant of Anshan Iron & Steel	D750-23		Coke Oven Gas	750	35	93.16	34.32	480	5630	JKZ630-2	630	6000	

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
21	Beijing Coking Plant	D750-24		Coke Oven Gas	750	40	93.14	34.32	480	5783	JKZ630-2	630	6000	
22	Shanghai Coal Gas Plant	D750-25		Coke Oven Gas	750	40	93.14	34.32	480	5783	YK630-2	630	6000	
23	Hangzhou Steel Plant	D750-26		Coke Oven Gas	750	35	93.14	34.32	550	6150	Steam Turbine	630	6000	
24	Shanghai Coking Plant	D750-28		Coke Oven Gas	750	40	93.14	34.32	480	5783	JKZ630-2	630	6000	
25	Shanghai Coking Plant	D750-29		Coke Oven Gas	750	40	93.14	34.32	540	5618	JKZ630-2	630	6000	
26	Guiyang Steel Plant	D800-24		Coke Oven Gas	800	30	83.84	29.4	510	5608	JB710M1-2	630	6000	
27	Taiyuan Coal Gas Co.	D800-26		Coke Oven Gas	694	250	90.5	34.3	508	5590	JB710M2-2	630	6000	
28	Huainan Chemical Industry Complex	D800-27		Coke Oven Gas	800	35	100.19	33.04	570	4802	JK630-2	630	6000	
29	Tonghua Iron & Steel Co.	D900-23		Coke Oven Gas	818	22	91.79	29.44	593	5783	JK0800S1- 2	800	6000	
30	Liaoning Equipment Complement Bureau	D1200- 22	2	Coke Oven Gas	1200	35	93.14	29.41	720	3870	JK1000-2	1000	6000	
31	Tangshan Coking Plant	D1200- 22		Coke Oven Gas	1200	35	93.17	29.41	780	4525	YK1000-2	1000	6000	
32	Wuhan Iron & Steel Co.	D1250- 23		Coke Oven Gas	1200	35	93.17	29.42	780	4525	YK1000- 2/990	1000	6000	
33	Coking Plant of Benxi Iron & Steel	D1250- 24		Coke Oven Gas	1130	23	93.75	29.42	680	4157	JB0800S-2	800	6000	
34	Shanxi Coking Group Co. Ltd.	D1250- 25		Coke Oven Gas	1130	25	88.24	39.22	1000	5200	YK710S1-2	1120	6000	
35	Shanxi Coking Group Co. Ltd.	D1250- 26		Coke Oven Gas	1130	25	88.24	39.22	1040	5200	YK710S1-2	1120	6000	
36	Jiangxi Xinyu Iron & Steel Co.	D1250- 27		Coke Oven Gas	1128	22	88.12	38.12	885	4680	YB630-2	1000	6000	
37	Jiexiu Maosheng Smelting Plant	D750- 213		Coke Oven Gas	750	35	88.02	25	493	4800	YB560M2-2	560	10000	
38	Chongqing Iron & Steel Co.	D1250- 28		Coke Oven Gas	1260	25	99.4	33	892	5055	YK1000-2	1000	6000	
39	Nanchang Iron & Steel Co.	D450-23		Coke Oven Gas	340N	22	97	30	385	2950	Y450M1-2	560	6000	
40	Guangdong Zhongcheng Chemical Co.,	D140-31		Coke Oven Gas	117N	40	102	20	87	2975	YB315S-2	110	380	2001

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
41	Shanxi Jinye Material Trading Group	D700-22		Coke Oven Gas	700	22	86.75	30	470	5290	YB560S1-2	520	6000	2001
42	Beitai No. 2 Coking Co.	D1000-27		Coke Oven Gas	982	22	94.94	30	683	5900	YB630S1-2	800	6000	2001
43	Lianyuan Iron & Steel Co.	D1250-29		Coke Oven Gas	1000N	30	94.79	25	601	4100	YB630S1-2	800	10000	2001
44	Xingang Co. of Anshan Iron & Steel	D125-21		Coke Oven Gas	110	25	4.9	21.6	88	9400	YB315-2	110	380	2001
45	Anshan Jiaonai Institute	D125-210	2	Coke Oven Gas	1058	25	124	27.3				1000	10000	2002
46	Anshan Xingang Fuel Gas Plant	D125-211	1	High Coke mixture	1330	25	170	66				2250		2003
47	Laiwu Iron & Steel Co. Ltd.	D2000-212	2	Coke Oven Gas	1955	25	124	30				1400	6000	2003
48	Xingtai Xunyang Coking Co. Ltd.	D450-21	3	Coke Oven Gas	475	25	126	30				400	10000	2003
49	Shanxi Zhonglv Energy Co.	D750-214	2	Coke Oven Gas	550	25	124	30				560	10000	2002
50	Shanxi Changye Iron & Steel Co.	D800-210	2	Coke Oven Gas	800	65	110	21				630	6000	2002
51	Dongfang Iron & Steel Co. of Taigang Group	D400-23	2	Coke Oven Gas	400	22	96.5	30	253	7276	YB450S2-2	355	6000	2003
52	Dayete Iron & Steel Co.	D400-21	2	Coke Oven Gas	400	22	-3.5	30	253	7104	YB450S2-2	355	6000	2003
53	Liaoyang Iron & Steel Co.	D630-211	3	Coke Oven Gas	600	25	98	128	1335	6129	YK0S1600-2	1600	10000	2003
54	Shaodong Xinxiang Coal-Chemical Co.	D600-22	1	Coke Oven Gas	600	30	-5	30	489	5650	YB630-2	560	10000	2003
55	Xingtai Iron & Steel Co.Ltd.	D560-21	1	Coke Oven Gas	390N	22	96.64	25	325	4500	YB-S1	355	6000	2003
56	Yunnan Shizong Coking Co.Ltd.	D600-21	1	Coke Oven Gas	600N	22	78.54	33	435	7400	YB560-2	500	10000	2003
57	Baotou Iron & Steel Coking Plant	D1250-212	2	Coke Oven Gas	834N	22	85.5	23	951	4765	YB710S1-2	1120	10000	2003
58	Qujing Yuegang Co.Ltd.	D700-24	1	Coke Oven Gas	700	20	78	20	1230	5962	YKS560-2	1400	10000	2003
59	Hongdonghua Coal&Coking Co.	D750-219	2	Coke Oven Gas	488N	22	-4	25						2003
60	Guangdong Shao Steel Sonashan Co.	D800-211	2	Coke Oven Gas	700	22	-5.5	29.5	565	5785	YB560M1-2	630	6000	2003



## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
61	Hangzhou Iron&Steel Group Co.	D750-218	1	Coke Oven Gas	750	35	93.16	34	550	6150	YB630S1-2	630	6000	2003
62	Zhangjiagang Hongfa Steel-Making Co.	D1250-210	1	Coke Oven Gas	1250	32	-4	26			YB630M2-2	630	10000	2003
63	Hejin Taixing Coking Co.Ltd.	D750-217	2	Coke Oven Gas	750	22	93	30	510	5290	YB450S1-2	560	6000	2003
64	Shanxi Zhongyang Iron&Steel Co.Ltd.	D750-216	2	Coke Oven Gas	532N	25	-5	28	470	5800	YB560S2-2	560	6000	2003
65	Yongxin Coal Gas Chemical Co.Ltd.	D750-221	2	Coke Oven Gas	750	22	-3.5	30	550	4765	YB630S1-2	630	10000	2003
66	Beitai Iron&Steel (Group) Co.Ltd.	D1250-213	2	Coke Oven Gas	908	22	-5	27	695	4400	YB630M1-2	1000	10000	2003
67	Xuzhou Coking Plant	D750-220	1	Coke Oven Gas	592N	25	-5	29	500	5783	YB560S2-2	560	6000	2003
68	Taiyuan Gengyang Industry Co.	D1250-217	2	Coke Oven Gas	776N	22	-4	26	743	4550	YB630-2	850	10000	2004
69	Shanxi Jinye Coal & Cokig Co.	D1250-214	3	Coke Oven Gas	1200	22	-3	30	831	4765	YB630	900	10000	2003
70	Zibo Fushan Coking Plant	D1250-215	2	Coke Oven Gas	1100	25	-3	30	855	4510	YB710-2	1000	10000	2003
71	Xingtai Iron & Steel Co.Ltd.	D1250-216	2	Coke Oven Gas	860N	22	-5	27	663	4415	YB630-2	800	10000	2003
72	Jingdezhen Kaimenzi Chinaware Chemical Co.	D1250-218	1	Coke Oven Gas	1250	25	-5	30	1018	4702	YB710-2	1250	6000	2003
73	Pingxiang Iron&Steel Co.Ltd.	D630-212	2	Coke Oven Gas	630	25	-3.9	25.5	395	5364	YB450-2	450	6000	2004
74	Jiantao(Hebei) Coking Co.Ltd.	D1250-219	2	Coke Oven Gas	1250	22	-3.5	30	835	4560	YB630-2	10000	10000	2004
75	Xiaoyi Xinyao Coal&Coking Co.Ltd.	D1250-220	2	Coke Oven Gas	1200	22	-3	30	840	4500	YB630-2	900	10000	2004
76	Dayete Iron & Steel Co.	D1250-221	2	Coke Oven Gas	876N	25	-5	34	830	4900	YB630M1-2	1000	6000	2004
77	Shanxi Zhongyang Iron&Steel Co.Ltd.	D750-216	2	Coke Oven Gas	532N	25	-5	28	470	5800	YB560S2-2	560	6000	2003
78	Baotou Iron & Steel Coking Plant	D1250-212	2	Coke Oven Gas	1000N	25	-5	30	948	4843	YB710S1-2	1120	10000	2003
79	Nanjing Iron&Steel Co.Ltd.	D750-224	1	Coke Oven Gas	500N	30	-10	35	445	5780	YB560-2P	630	6000	2004
80	Echeng Iron&Steel Group	D1250-222	2	Coke Oven Gas	1056N	22	-5	30	860	4652	YB680M1-2	1000	6000	2004

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
81	Shanxi Dongling ISP Smelting Plant	D1000-210	2	Coke Oven Gas	773N	22	-5	27	677	5850	YB710-2	800	10000	2004
82	Shijiazhuang Coking Co.Ltd.	D900-212	2	Coke Oven Gas	750	22	-5	30	580	5720	YB630-2	710	10000	2004
83	Shanxi Jiexiuluxin Coal gasification Co.Ltd.	D750-226	2	Coke Oven Gas	750	22	-3.5	35	560	5290	YB630-2	630	10000	2004
84	Shanxi Blackcat Coking Co.Ltd.	D125-223	2	Coke Oven Gas	1250	22	-5	124.7	894	4600	YB710-2	1000	10000	2004
85	Shanxi Wulin Coal&Coking Development Co.	D1250-224	2	Coke Oven Gas	1250	22	-5	131.3	812	4430	YB710-2	900	6000	2004
86	Hebei Taixing Coking Co.	D750-217	2	Coke Oven Gas	750	30	-3.5	30			YB710-2-900	900	6000	2004
87	Shanxi Jiexiusansheng Coking Co.	D750-225	2	Coke Oven Gas	750	30	-5	130.4	560	4500	YB630-2	630	10000	2004
88	Zhangjiagang Hongfa Steel-Making Co.	D1250-210	2	Coke Oven Gas	1058	22	-5	128	900		YB710S-2	1000	1000	2004
89	Hebei Xuyang Coking Co.	D1250-225	2	Coke Oven Gas	860N	22	-5	127	663	4415	YB630-2	800	10000	2004
90	Shanxi Jinye Coal & Cokig Co.	D1250-214	3	Coke Oven Gas	1200	22	-3	30	831	4765	YB630-2	900	10000	2003
91	Shanxi Shuguang Coal&Coking Group Co.	D800-212	2	Coke Oven Gas	800	22	-3.5	30	560	4500	YB630-2	630	1000	2003
92	Zibo Fushan Coking Plant	D1250-215	2	Coke Oven Gas	1100	25	-3	30	855	4510	YB710-2	1000	10000	2003
93	Shandong Weishan Tongtai Coking Co.	D450-25	2	Coke Oven Gas	386	25	-5	127.7	300	6848	YB355L3-2	400	10000	2004
94	Jiachen Group Co.	D1250-230	2	Coke Oven Gas	1058	22	-5	127	770	4400	YB630S2-2	900	1000	2004
95	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D1250-229	3	Coke Oven Gas	1072N	22	-5	130	910	4650	YB710-2	1000	10000	2004
96	Changye Suburbia Zhongtian Coking Plant	D900-213	2	Coke Oven Gas	900	22	-3	30	710	5290	YB630-2	800	10000	2004
97	Liupanshui Coal& Coke Company	D1000-211	2	Coke Oven Gas	716	25	-5	30	688	6180	YB630S-2	800	6000	2004
98	Shanxi Yuwang Coal Gas Company	D1000-212	2	Coke Oven Gas	733	22	-5	35	770	6246	YB710-2	900	10000	2004
99	Anshan Baode Iron& Steel Co.	D1100-14	1	Coke Oven Gas	1100	64	-20	27	682	2880	YAKS500-2	850	10000	2004

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
100	Shanxi Datuhe Coking Co.	D1250-228	2	Coke Oven Gas	957(N)	25	-5	25	851	4704	YB710-2	1000	10000	2004
101	Anyang Steel	D1250-227	2	Coke Oven Gas	1387	28	95.66	31	963	4571	YB630M2-2	1120	6000	2004
102	Panzhuhua Steel	D2000-22	3	Coke Oven Gas	1083(N)	26	-7	31	1030	5270	YBKS500-2	1250		2004
103	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D1250-229	3	Coke Oven Gas	1072(N)	32	95.77	30	901	4498	YB710-2	1000	10000	2004
104	Jiachen Group Co.	D1250-230	2	Coke Oven Gas	1058(N)	25	-5	27	725	4498	YB710S1-2	900	10000	2004
105	Shanxi Modern Coal Coking Chemical Co.	D900-214	2	Coke Oven Gas	900	25	-3.5	35	717	5952	YB710-2	800	10000	2004
106	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D200-111	2	Coke Oven Gas	188	40	98.54	8	70	6727	YBP315L-2	132	380	2004
107	Shanxi Lu'an Coal Coking Chemical Co.	D900-214	2	Coke Oven Gas	900	25	-3.5	35	717	5952	YB710-2	800	10000	2004
108	Zhongmei Jiuxiu Coking Co.	D1250-231	3	Coke Oven Gas	943(N)	25	-5	27	775	4569	YB630S2-2	900	6000	2004
109	Qitai Helongyang Coking Co.	D1250-232	2	Coke Oven Gas	1147	25	95.77	30	820	4440	YB630H1-2	1000	10000	2004
110	Shanxi Tongzhou Coal Coking Group	D900-215	2	Coke Oven Gas	747.5(N)	25	-5	30	660	5843	YB630M2-2	800	10000	2004
111	Guangdong Shao Steel Songshan Co.	D800-211	1	Coke Oven Gas	880	30	-5.5	29.5	574	5736	YB560M1-2	630	6000	2005
112	Laiwu Iron & Steel Co. Ltd.	D140-32	2	Coke Oven Gas	150(N)	40	111	18.77	73	2985	YB315S-2	110	380	2004
113	Liyang New Steel Coking Co.	D800-214	2	Coke Oven Gas	726	23	-5	30	516	5684	YB560M1-2	630	6000	2005
114	Lianyuan Iron & Steel Co.	D1250-233	2	Coke Oven Gas	1317(N)	25	-6	28	841	4435	YB710-2	1000	10000	2004

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
115	Xingtai Iron & Steel Co.Ltd.	D125-22	2	Coke Oven Gas	113	26	101	24.5	90	9950	YB315S-2	110	380	2005
116	Tangshan Jiahua Coal Chemical Co.	D1250-234	2	Coke Oven Gas	1507	30	88.48	25	871	4440	YB710S2-2	1000	10000	2005
117	Iran Coking Company	D630-213	2	Coke Oven Gas	409(N)	25	-5	25	380	5736	YB450M1-2	450	6000	2005
118	Benxi Beiyong Iron & Steel (Group) Co., Ltd.	D1250-213	1	Coke Oven Gas	908(N)	25	-5	27	700	4392	YB710S1-2	1000	10000	2005
119	Benxi Beiyong Iron & Steel (Group) Co., Ltd.	D1650-21	2	Coke Oven Gas	1308	40	2	28	1045	5117	YBKS500-2	1250	10000	2005
120	Wuhan Energy & Power Co.	D800-215	3	Coke Oven Gas	733(N)	30	-5	30	500	5104	YB560M1-2	500	10000	2005
121	Laiwu Iron & Steel Co. Ltd.	D1500-21	2	Coke Oven Gas	1200	25	93.7	30.3			YB630-2	1120	6000	2004
122	Pingdingshan Coal Washing Coking Co.	D700-26	2	Coke Oven Gas	566 (DRY)	40	-4 (G)	30	495	5783	YB560-2	630	6000	2005
123	Zhenjiang Coking Co. of Sinopec	D800-216	2	coal gas	582(N)	22	-5 (G)	25	550	5580	YB560-2	630	6000	2005
124	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D500-16	3	coal gas	417(N)	30	-3 (G)	18	230	2980	YBP355L-2	280	380	2005
125	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D1100-21	2	coal gas	626 (DRY)	-10	3 (G)	21	605	4280	YB560M-2	710	10000	2005
126	Kailuan Fine Coal Co.	D1250-235	2	coal gas	1053(N)	22	-4 (G)	24	1003	4930	YB710-2	1120	10000	2005
127	Handan Steel Plant	D900-216	2	coal gas	708(N)	22	-3.5 (G)	23.5	676	5970	YB630-2	800	10000	2005
128	Shenhua Wuhai Coal Coking Co.	D1250-236	2	Coke Oven Gas		25	-5 (G)	33	791	4830	YB630-2	900	10000	2005
129	Hebei Huafeng Coal Chemical Power Co.	D630-214	2	Coke Oven Gas	500 (N)	22	-4 (G)	28.5	496	5800	YB630-2	560	10000	2005

## 20. Reference List of Coke Oven Gas Centrifugal Blower

No.	Customer	Model	Quan.	Medium	Flow m3/min	Inlet Temp. ℃	Inlet Press. Kpa	Press. Rise Kpa	N Shaft KW	n r/min	Motor Paramet			Delivery Time
											Motor Model	N (KW)	Voltage V	
130	Zhongye Jiaonai Engineering Co.	D750-227	2	Coke Oven Gas	517(N)	27	-4 (G)	28	486	5660	YB560M2-2	560	10000	2005
131	New Iron&Steel Co.Ltd. of Anshan Iron&Steel Group	D250-114	2	coal gas	200(N)	30	3 (G)	12	93	7700	YBP315-2	132	380	2005
132	Laiwu Iron & Steel Co. Ltd.	D1500-21	2	Coke Oven Gas	1200	25	93.7	30.3			YB630-2	1120	6000	2005
133	Nanchang Iron & Steel Co.	D1250-237	1	coal gas	833 (DRY)	25	-4 (G)	24	871	4650	YBS560-2	1120	6000	2005
134	Huainan Chemical Industry Complex	D1400-21	4	coal gas	600 (干)	25	-4 (G)	22	910	4415	YB710-2	1120	10000	2006
135	Zhongye Jiaonai Engineering Co.	D1250-239	3	coal gas	880 (DRY)	22	-4 (G)	31	796	4350	YB630S2-2	900	10000	2006
136	Benxi Beiyong Iron & Steel (Group) Co., Ltd.	D1100-18	2	Coke Oven Gas	1025	35	4	15	305	2980	YBP400-2	355	380	2006
137	Wuhan Iron & Steel Co.	D800-218	3	coal gas	750(N)	30	3 (G)	22	425	5300Y B				2006
138	Brazil Coking Company	D800-217	2	Coke Oven Gas	856	25	-5 (G)	30	550		YB560-2-7H	630	4KV	2006



## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery Time
					m <sup>3</sup> /min	°C	Kpa	Kpa	KW	r/min		N (KW)		
1	Wenzhou Smelting Plant	D200-15	1	SO <sub>2</sub>	190	60	100.88	25.1	170	7616	JK290-2	290	380	
2	Wenzhou Smelting Plant	D200-16	1	SO <sub>2</sub>	190	45	104.31	25.1	170	7616	JK290-2	290	380	
3	Guangzhou Nitrogen Fertilizer Plant	D325-11	1	SO <sub>2</sub>	325	40	96.11	25.99	220	7525	JK133-2	290	6000	
4	Sanming Nitrogen Fertilizer Plant	D400-11	1	SO <sub>2</sub>	415	40	94.11	16.67	175	2950	JK123-2	220	380	
5	Shenyang Heavy Duty Machinery Plant	D400-13	1	SO <sub>2</sub>	415	40	94.11	16.67	175	2590	JK123-2	220	380	
6	Ningbo Fertilizer Plant	D400-14	1	SO <sub>2</sub>	400	50	86.86	34.15	280	7525	JK133-2	360	3000	
7	Guizhou Zunyi Phosphate Fertilizer Plant	D400-15	1	SO <sub>2</sub>	400	50	-14.7	34.32	280	7525	JK134-2	350	6000	
8	Jiangxi Fengcheng Inorganic Chemistry Co.,	D400-16	1	SO <sub>2</sub>	400	50	86.6	34.32	290	7527	JK134-2	350	6000	
9	Panzhuhua Iron & Steel Co.	D400-17	1	SO <sub>2</sub>	415	40	94.144	16.67	175	2950	YB400S2-2	220	6000	
10	Shanxi Pingding Phosphate Fertilizer Plant	D400-18	1	SO <sub>2</sub>	470	50	82.2	31.36	350	7367	YK500-2	450	10000	
11	Hebei Jinsheng Fertilizer Plant	D400-19	1	AIR	400	20	98.78	20.11	200	2960	JK123-2	220	380	
12	Yunnan Dianzhong Non-Ferrous Metal Co.	K400-110	1	SO <sub>2</sub>	474	50	-7.4	32.4	390	8298	JK134-2	440	6000	
13	Hebei Jiheng Chemical Complex	D400-112	1	SO <sub>2</sub>	400	50	-14.7	34.3	300	7525	Y355L1-2	355	380	
14	Baiyin No. 3 Smelting Plant	D400-114	1	SO <sub>2</sub>	400	50	-14.7	34.3	300	7585	Y500-2	350	10000	
15	Qingdao No. 1 Fertilizer Plant	D400-116	1	AIR	400	20	77	19.6	234	2963	JK134-2	350	380	
16	Zibo Dyestuff Plant	D450-11	1	SO <sub>2</sub>	450	40	88.36	29.42	285	2950	JS400M-2	400	6000	
17	Yunnan Power Complement Plant	D450-12	1	SO <sub>2</sub>	450	45	79.5	30.5	400	7761	JK134-2	440	6000	
18	Suzhou Sulfuric Acid Plant	D460-11	1	SO <sub>2</sub>	300	40	88.24	24.51	188	2960	JK275	275	380	
19	Suzhou Sulfuric Acid Plant	D460-12	1	SO <sub>2</sub>	300	40	88.24	24.51	188	2960	JK275	275	380	
20	Equipment Divi. Of Anshan Iron & Steel	D700-11	1	SO <sub>2</sub>	700	50	93.14	21.57	320	2950	JK133-2	360	3000	

## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery
					m3/min	°C	Kpa	Kpa	KW	r/min		N (KW)		Time
21	Equipment Divi. Jiangxi Copper Industr Base	D700-12	1	SO2	700	50	93.14	18.63	290	2950	JK133-2	360	3000	
22	Jinan Fertilizer Plant	D700-13	1	SO2	700	50	93.14	25.5	370	2950	JK500-2	500	6000	
23	Tonghua Steel Plant	D700-14	1	SO2	700	50	93.14	25.5	370	2975	JK500-2	500	6000	
24	Shanghai No. 5 Steel Plant	D700-16	1	SO2	700	50	93.14	25.5	370	2975	JK500-2	500	6000	
25	Shenyang Smelting Plant	D1000-21	1	SO2	1000	250	94.15	21.57	627	2970	JK800-2	800	6000	
26	Yunnan Smelting Plant	D1000-22	1	SO2	1000	250	94.15	21.57	627	2970	JK800-3	800	6000	
27	Jinchuan Non-Ferrous Metal Co.	D1000-23	1	SO2	1000	50	75.18	24.5	895	2950	YK1000-2	1000	6000	
28	Sichuang Mingshan Fertilizer Plant	S600-12	1	SO2	600	40	81.47	35.2	455	6604	JK500-2	500	6000	
29	Taiyuan Phosphate Fertilizer Plant	S700-12	1	SO2	675	45	79.3	34.314	545	6760	Y560-2	630	10000	
30	Jiangxi 721 Mine	S700-13	1	SO2	730	50	90.52	33.03	503	6304	JK630-2	630	6000	
31	Ningbo Sulfuric Acid Plant	S700-14	1	SO2	700	50	91.845	34.31	564	6760	Y560-2	639	10000	
32	Kaiyang Phosphate Fertilizer Plant	S700-15	1	SO2	700	40	75.37	34.3	540	6860	JK630-2	630	6000	
33	Yancheng Phosphate Fertilizer Plant	S700-16	1	SO2	700	40	83.95	29.29	448	6118	JK500-2	500	6000	
34	Zhaohua Branch Company	S700-17	1	SO2	712	60	97	45.1	710	7260	YKK500-4	740	6000	
35	Sichuang Huidong Plumbic Zinc Plant	S700-18	1	SO2	700	45	-11.8	36.27	562	5784	JK14-2	630	10000	
36	Taiyuan Phosphate Fertilizer Plant	S750-11	1	SO2	750	45	79.3	34.3	560	6760	Y560-2	630	10000	
37	Suzhou Sulfuric Acid Plant	S800-11	1	SO2	800	40	-11.77	29.4	514	4798	JK630-2	630	6000	
38	Jiangxi Dexing Copper Industr Base	S800-12	1	SO2	800	45	-15.69	36.28	633	5325	JK800-2	800	6000	
39	Tianjin Sulfuric Acid Plant	S800-13	1	AIR	700	20	97.92	35.79	574	5206	JK630-2	630	6000	
40	Albania	S800-14	1	SO2	700	45	-9.807	27.46	430	4798	JK500-2	500	6000	



## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery Time
					m <sup>3</sup> /min	°C	Kpa	Kpa	KW	r/min		N (KW)		
41	Tianjin Machinery Equipment I & E Co.	S800-15	1	SO2	800	45	83.16	36.29	633	5339	by customer	800	3300	
42	Tianjin Sulfuric Acid Plant	S1000-11	1	SO2	1000	60	-2.94	36.28	734	5207	JK800-2	800	6000	
43	Yanggu Chemical Plant	S1000-11A	1	AIR	1000	47	98.04	34.31	740	5480	JK800-2	800	6000	
44	Shaoguan Smelting Plant	S1000-12	1	SO2	917	65	-14.17	39.29	727	5480	JK800-3	800	6000	
45	Guangzhou Phosphate Fertilizer Plant	S1000-14	1	SO2	917	65	86.6	39.2	740	5525	YKDS800-2	800	6000	
46	Huludao Zinc Plant	S1000-15	1	SO2	1000	50	75.15	35.32	735	5480	JK800-2	800	6000	
47	Nanjing Chemistry Co.	S1000-16	1	SO2	1060	45	89.1	32.37	745	5217	JK800-2	800	6000	
48	Sichuan Petro-Chemical Co., Ltd.	S1000-17	1	SO2	970	40	-11.8	45	896	5725	JK1000-2	1000	10000	
49	Sichuan Shifangyingfeng Co.	S1000-18	1	SO2	1000	60	-2.94	36.28	734	5207	JK800-2	800	6000	
50	Tongguanshan Chemical Plant	S1200-11	1	SO2	1200	50	-11.17	36.28	900	5207	YKK1000-2	1000	6000	
51	Baiyin Non-Ferrous Metal Co.	S1200-12	1	AIR	1075	20	82.92	25.5	600	4849	JB800-2	800	10000	
52	Linlun Iron & Steel Co.	S1200-13	1	SO2	1128	50	71.44	34.3	860	5730	YK5610-2	1000	6000	
53	Sichuan Longmang Group	S1200-14	1	SO2	1198	55	-2.94	34.3	906	5383	YK100-2	1000	10000	
54	Tongling Non-Ferrous Metal Co.	S1400-12	1	SO2	1356.7	50	91.695	36.26	1042	4221	JKZ1250-2	1250	6000	
55	Yantai Penghui Copper Co.	S1400-13	1	SO2	1400	50	90.74	42	1380	4522		1600	6000	
56	Yunnan Smeltery Plant	S1400-14	1	SO2	1400	45	70.545	45.08	1320	5207	YK1450-2	1450	6000	
57	Huludao Zinc Plant	S1600-11	1	SO2	1630	50	94.14	38.25	1430	4440	YK1600-2	1600	6000	
58	Baiyin Non-Ferrous Metal Co.	S1800-11	1	SO2	1800	50	74.098	44.13	1600	4954	YK2000-2	2000	6000	
59	Zhongtiaoshan Non-ferrous Metal Co.	S1800-12	1	SO2	1700	50	87.87	44.12	1700	4833	YK2000-2	2000	6000	
60	Suzhou Fine Chemical Industry Co.	S1800-13	1	AIR	1800	62	97.6	44.1	1750	4985	YKOS6301-2	2000	6000	

## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery Time
					m3/min	℃	Kpa	Kpa	KW	r/min		N (KW)		
61	Yunnan Honghezhou Phosphatefertilizer	S1800-14	1	AIR	1800	19.8	89.24	34	1640	4515	YKOS6301-3	1600	6000	
62	Luxi Chemical Industry Group	S1800-15	1	AIR	1800	50	97	37	1493	4719	T1600-4	1600	6000	
63	Saoguan Smeletery Plant	S2250-11	1	SO2	2250	45	87.83	41.202	2100	4114	YK2500-2	2500	6000	
64	Yunnan Smeltery Plant	S2450-11	1	SO2	2450	45	-9.07	31.08	2100	4114	YK2500-2	2500	6000	
65	Yunnan Smeltery Plant	S2450-12	1	SO2	2450	45	71.2	34.32	2100	4193	YK2500-2	2500	6000	
66	Shandong Hongri Group	S2450-13	1	SO2	2450	25	98.04	35.29	1816	3800	YK2000-2	2000	10000	
67	Lubei Chemical Industry Plant	S2600-11	1	SO2	2600	45	-11.8	38	2150	3939	YK2500-2	2500	6000	
68	Shuikoushan Mineral Bureau	S500-11	1	SO2	500	55	-8.5	39.5	476	7150	YK560-2	560	6000	
69	Guizhou Kailin Group	S1800-16	1	AIR	1800	25	0.0908	38.402	1610	4600	Y560-2	1800	6000	
70	Yunnan Yunfeng Chemical Industry	S1800-17	1	AIR	1800	24.7	80.16	37.27	1350	4850	YK5004-2	1500	10000	2000
71	Suzhou Fine Chemical Industry Co.,	S1000-19	1	AIR	1000	62	-4	44.13	910	4850	Y5004-2	1000	10000	2000
72	Hechi Southern Chemical Industry Co.,	S1200-15	1	SO2	1150	50	-9.8	24.5	887.8	4290	Y500-2	1000	10000	2000
73	Zhongtiaoshan Non-ferrous Meta Co.,	S1200-16	1	SO2	1200	60	85	45	1100	5750	Y500-2	1250	6000	2001
74	Yunnan Phosphate Fertilizer Plant	S2450-14	1	AIR	2450	19.5	80.1	41.2	1904	4160	YK3600-2	3600	6000	2001
75	Yangzhou Yinye Chemical Industry Co.,	S1600-12	1	AIR	1500	30.7	136	36	1216	4350	YKS1400-2	1400	10000	2002
76	Beijing Purte Co.,	S1900-11	1	AIR	1900	55	141.8	45	1761	5330	YKS2000-2	2000	10000	2002
77	Shandong Guoda Gold Smelting Co.,	S1800-110	1	SO2	1700	55	91.4	42	1550	4670	YK630-2	1800	10000	2004
78	Hubei Chuxing Chemical Industry Co.,	S2450-15	1	SO2	2450	52	-11	45	2230	4235	YK2500-2	2500	10000	2004
79	Yunnan Linfei Industry Co.,	S1600-12	1	AIR	1600	20.1	0.081	45	1450	4810	T1600-4	1600	6000	2003
80	Chongqing Peiling Chemical Industry Co.,	S1800-18	1	AIR	1800	24.2	97	47	1816	4650	YK2000-2	2000	6000	2003

## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery Time
					m3/min	°C	Kpa	Kpa	KW	r/min		N (KW)		
81	Yunnan Sanhuan Chemical industry Co.	S3500-11	2	AIR	154000	19.5	80.1	53	3112	5273	Turbine	3150		2003
82	Hubei Huangmailing Phosphorus Chemical	D700-113	2	AIR	700	29	-1	24.5	410	2958		440	6000	2003
83	Hubei Huangmailing Phosphorus Chemical	S1200-17	2	AIR	1100	50	91	41.2	1035	5700		1250	6000	2003
84	Xifeng Heavy-Calcium Plant, Guizhou kailin	S2600-12	1	AIR	2600	58	-3.5	35	1818	4128	YK2000-2	2000	6000	2004
85	Xifeng Heavy-Calcium Plant, Guizhou kailin	S4600-11	1	AIR	4600	-5	58	55	4600	5132	Turbine			2004
86	Yunnan Furui Chemical Industry Co.	S2250-12	1	AIR	2150	20.1	80	45	2015	4450	yk2240-2/990-g	2240	6000	2004
87	Wuxi Dongwo Chemical Energy Co.	S1200-18	1	AIR	1200	58	97.7	42	1105	5650	YKOS1250-2	1250	10000	2004
88	Shanxi Dongling Smelty Headquarters	S1800-1	2	SO2	2250	45	87.83	41.202	2100	4114	YKOS2500-2	2500	10000	2004
89	Henan Yuguang Group	S1800-1	2	SO2	1800	50	89.6	45	1705	4810	YKOS1900-2	1900	10000	2003
90	Zhejiang Juhua Co.	S1800-111	2	SO2	1700	50	90	36	1328	4385	YKOS1600-2	1600	6000	2004
91	Zhejiang Longsheng Group	S1200-19	1	AIR	1200	33.5	0.1	48	1188	5609	YKS560-2	1300	10000	2004
92	Chongqing Fuling Chemical of Sinopec	S2000-11	1	AIR	2000	20	97	45	1927	4035	YK2200-2	2200	6000	2005
93	Tianjin Sanhuan Chemical Co.	S1200-110	1	AIR	1200	29.4	99.5	45	1152	5465	131.2-3.43/a	981(ST)		2005
94	Chifeng Jinjian Copper Co.	S1000-112	1	CO2	1200	45	79.9	36	947	5731	Y500-2	1120	10000	2005
95	Jiangxi Copper	D1000-18	2	AIR	1000	20	98.95	25	596	2975	YKS450-2	710	6000	2005
96	Yunan Jiangchuang Tianhu Chemical Co.	S2250-15	1	AIR	2300	25	-1 (G)	48	2050	4447	steam turbine	2050		2005
97	Yunnan Hongxiang Chemical Co.	S2450-16	1	AIR	2400	30	-1 (G)	45	2040	4458	steam turbine	2040		2005
98	Yangzhou Jintao Chemical Equipment Co.	S700-110	1	CO2	498 (N)	45	-11.76 (G)	46	610	5692	Y500-2G	700	10000	2005

## 22. Reference List of Centrifugal Blower for Acid Making Industry

No.	Customer	Model	Quan.	Medium	Flow	Inlet Temp.	Inlet Press.	Press. Rise	N Shaft	n	Motor Model	Motor Parameter	Voltage V	Delivery
					m <sup>3</sup> /min	°C	Kpa	Kpa	KW	r/min		N (KW)		Time
99	Kailin Fertilizer of Guiyang Zhonghua	S5500-11	1	AIR	5500	48	84.17	45	4254	4825	steam turbine	4680		2005
100	Zhongjin Huangjin Co., Ltd.	S800-1*	2	SO <sub>2</sub> MIXED GAS	800	55	87	42	714	5480	Y500-2	10000	6000	2005
101	Hubei Sanning Chemical	S1900-11	1	AIR	1900	55	96.8	44.5				1761		2005
102	Chuxiong Dianzhong Nonferrous Metal Co.	S1800-115	1	FLUE GAS	1250	50	-7.4 (G)	32.4	1479	4780	YK560-2	1700	6000	2006
103	Yimen Copper Co.	S2450-18	1	FLUE GAS	70 (N)	57	-8 (G)	40	1950	4320	YK2240-2	2240	6000	2006
104	Yunnan Xinlong Mineral Substance Feed Co.	S2450-17	1	AIR	2530	30	-1 (G)	45	2180	4520	steam turbine	2180		2006
105	Yunnan Xinlong Mineral Substance Feed Co.	S1800-116	1	AIR	1800	30	-1 (G)	45	1700	4705	YK1900-2	1900	10000	2006
106	Chifeng Jinfeng Copper Co.	S3000-11	1	CO <sub>2</sub>	3000	55	-14 (G)	42	2555	4450	YK3000-2/1180	3000	10000	2006
107	Chifeng Jinfeng Copper Co.	S1800-114	1	CO <sub>2</sub>	1800	55	-14 (G)	36	1501	4600	YKS630-2	1800	10000	2006
107	Neimenggu Mine Metallurgy Co.	S1600-14	1	FLUE GAS	1600	45	-12 (G)	42	1419	5050	YK1600-2G	1600	10000	2006

No.	Customer	Model	Quan	Inlet Condition			Outlet	Speed	Shaft Power	Motor			Delivery Time
				Pressure kgf/cm <sup>2</sup>	Flow m <sup>3</sup> /min	Temperature	kgf/cm <sup>2</sup>	r/min	kw	Power kw	Model	Voltage v	
						°C							
1	Jihua Water Treatment Plant	GM45L-1	4	0.9535	500	22	1.904	14209	790	1000	YK560-2	6000	1996
2	Tianjin Solvent Plant	GM55L-1	1	0.984	600N	30	1.5	9868	690	800	Y450-2	6000	1997
3	Shenyang 606 Institute	GM55H-1	1	0.98	460	20	2.5	16443	1100	1250	YK1250-2	10000	1998
4	Zhenhai Refining Chemical Plant	GM65L-1	2	0.994	870	35	1.375	7429	690	800	YB630S1-2	6000	1998
5	Hubei Bo'erde	GM45L-2	1	1.032	333.33	30	1.65	12066	440	500	Y400-2	6000	1999
6	Maoming Petrochemical	GM35L-1	4	0.9586	320	30	1.713	16500	410	560	YB560S2-2	6000	1999
7	Shanxi Guye	GM35L-2	2	0.946	350	30	1.762	17600	485	560	Y450-2	10000	1999
8	Wuxi Coking Plant	GM45L-3	1	1.006	367 N	30	1.653	11864	485	560	Y400-2	6000	1999
9	Kawasaki Japan	GM45L-1	2	0.964	667.8	35	1.86	14808	1024				1999
10	Jinling Petrochemical	GM35L-3	2	0.971	249.55	32.6	1.71	17428	358	450	Y400-2	6000	2000
11	Kawasaki Japan	GM65L-2	1	0.977	767N	20	1.714	8993	1108				2000
12	Ningbo Sewage Treatment Plant	GM20L-1	2	1	101.17	16.9	1.714	28274	137	160	Y315L2-2	380	2000
13	Quanzhou Sewage Treatment Plant	GM20L-2	3	0.98	100	20	1.7	28310	137	160	Y315L2-2	380	2000
14	Shanghai Huaheng Chemical Plant	GM45L-4	1	0.98	366.67	32	1.705	12960	480	560	Y400-2	6000	2000
15	Kawasaki Japan	GM65L-3	1	0.8	942.7	38	1.45	9761	1030				2000
16	Hunan Foreign Trade Co.	GM25L-1	4	1.033	125	20	1.747	21195	170	200	Y315L2-2	380	2000
17	Chuanhua Weizhisu	GM35L-3	1	0.72	200	35	1.2534	1.332	220	280	Y315L2-2	380	2000

18	Yuntianhua Group	GM65L-4	1	0.979	1148kg	30	1..57	8717	1125	1250	YKK500-2	6000	2000
19	Suzhou Refinery Chemical	GM55L-2	2	1	646N	30	1.55	9923	755	900	YKOS900-2	1000	2000
20	Anshan Western Sewage Treatment Plant	GM35L-4	4	1.008	250	25	1.698	15730	295	330	YKK450-2	10000	2000
21	Qiang'an Chemical Group	GM55L-3	1	0.98	666	25	1.5	9653	720	800	YKS500-2	10000	2000
22	Beijing Gaobeidian Sewage Plant	GM45L-5	1	1.01	600	20	1.7	12534	735	800	YKS450-2	6000	2000
23	China Electrical Equipment (Harerbin Pharmacy)	GM25L-4	4	1.01	135N	20	1.7	20910	181	200	Y315L2-2	380	2000
24	Kawasaki Japan	GM45L-5	1	0.818	293N	30	1.757		647	671			2000
25	Shandong Linqi Sewage Treatment Plant	GM25L-5	2	1	130	20	1.68	20700	167	185	Y315M1-2	380	2000
26	Shijiazhuang Chemical Fibre CO., Ltd.	GM45L-7	1	0.746	560	32	1.307	12574	580	710	YA630-2	6000	2000
27	Yunnan Yunfeng Chemical Co.	GM35L-5	2	0.816	250	25	1.747	13964	184	220	Y315M1-2	6000	2000
28	Tongxiang Sewage Treatment Plant	GM20L-4	2	1	50	25	1.54	22000	59	75	Y315M-2	380	2000
29	Shandong Linyi Sewage Treatment Plant	GM35L	3	101 kpa	205.7	25	6 mH2O		227	250		380	2002
30	Kawasaki Japan	GM55L-4	1	1.033	558N	30	1.546	9335	615				2001
31	Qianwei Chemical Co., Ltd.	GM45	1	1	383.33	30	1.7			565		10000	2001
32	Shanxi Yongheng Industry Trade Co.	GM55H	1	0.903	600	25	2.25	14400	1250	1440	YK1400-2/990	6000	2001
33	Shanxi Changzhi Sewage Treatment Plant	GM25L-6	4	0.92	125	25	1.589	22400	168	185	Y315L2-2	380	2001
34	Zhejiang Changxi Sewage Treatment Plant	GM20L-5	3	0.98	50	20	1.7	28318	73	90	Y315M-2	380	2001

35	Fushun Sewage Treatment Plant	GM45L	4	1	400N	20	1.73	12631	560	630	Y300-2	10000	2001
36	Shangyu Sewage Treatment Plant	GM45L	4	1	400	25	1.7	12460	515	560		10000	2001
37	Beijing Gaobeidian Sewage Plant	GM45L	2	1.01	600	20	1.7	12534	735	800	YKS450-2	6000	2001
38	Shenyang Southern Lingkong Sewage Treatment Plant	GM45L-6	8	1	480N	20	1.85			830		10000	2001
		GM20L-6			60N		1.47			75		380	
		GM20L-7			30N		1.7			75		380	
39	Changzhou Lihua Sewage Treatment Plant	GM25L-8	7	1.01	125	25	1.71	21440	166	185	Y315M-2	380	2001
		GM20L-8			60		1.71	28100	85	100	Y315S-2		
		GM20L-9			60		1.61	26400	76	90	Y280M-2		
40	Xinzhou Sewage Treatment Plant	GM20L-10	3	0.945	100	25	1.7	28674	135	160	Y315L-2	380	2001
41	Xiaoshan Dangwan Sewage Plant	GM35L	3	1	300	20	1.8	17240		450	YKK450-2	10000	2001
42	China Huada Engineering Co.	GM35L	4	1	73.3N	20	60 kpa	25800	98	110		380	2001
	China Huada Engineering Co.	GM20	4	1	196N		395 mbar	12700	174	220		6000	
43	Guiyang Changgu Trade Co., Ltd.	GM20L	3	1	80	20	1.68	27659	107	132	Y315M-2	380	2002
44	Tongling Xinmin Sewage Treatment Plant	GM35L	3	1.033	271.67	14	1.733	15500	380	400	Y450-2	10000	2002
45	Shandong Linyi Sewage Treatment Plant	GM25L	1	for parameters, same as 2534									2002
46	Liaohu Tongda Chemical Co., Ltd.	GM45L	2	-0.4 kpa	468	20	41.8 kpa			410		6000	2002
47	Xinjiang Wulumuqi Qidaowan Sewage Plant	GM20L	2	90.67kpa	80	25	160.67 kpa	29346	113	132	Y315M-2	380	2002
48	Wulanhaote Key Project Headquarter	GM25L	2	0.9958	120	20	1.7	20942	158	185	Y315L-2	380	2002

49	Hubei Shiyanshengdinghe Sewage Treatment Plant	GM20L	2	1.02	100	25	1.74		132	160	Y315L-2	380	2002
50	Tongxiang Sewage Treatment Plant (second stage)	GM20L	3	98 kpa	50	25	5.4mH <sub>2</sub> O	24384	59	75	Y280S-2	380	2002
51	Hebei Qian'an Sewage Treatment Plant	GM25L	4	1.02	135.2	25	7 mH <sub>2</sub> O	21190	171	200	Y315L2-2	380	2002
52	Xinjiang Dushanzi	GM35H	1	96 kpa	166	25	240 kpa		455	500		6000	2002
53	Xiaoshan Dangwan Sewage Plant	GM35L		1	300	20	1.8	17240		450	YKK450-2	10000	
54	Shandong Linglan monosodium glutamate Sewage Treatment Plant	GM45L	1	1	400	25	6 mH <sub>2</sub> O		430	500		10000	2002
55	Taixi Coal Washery of Taixi Group	GM35L	1	0.088Mpa	300	25	0.049Mpa		285	315		6000	2002
56	Qinghai Ge'ermu Sewage Treatment Plant	GM35L	3	0.725	187.2	24.9	1.38					380	2002
57	Wulumuqi Qidaowan Sewage Treatment Plant	GM25L	4	0.091Mpa	150	20	0.172Mpa		225	380	Y355M1-2	380	2002
58	Shandong Liyan Power Plant	GM25L	6		115N	20	62.2 kpa		152	185	Y315L-2	380	2002
59	Shandong Rizhao Dongqu Sewage Treatment Plant	GM25L	3	100 kpa	130	25	149 kpa		131	160		380	2002
60	Nanjing Xingang Hightech Co., Ltd.	GM20L	2	1.02	110N	25	1.7			185		380	2002
61	Huabei Design Institute of China City Utilities Project	GM20L	3	1.01	100	30	1.7		133	160	Y315L-2	380	2002
62	Chongqing Yuanda Environmental Protection Co., Ltd.	GM35H	2	0.973	245.6	25	1.98	19500	550	630		6000	2003
63	Tongdu Tongye Co., Ltd.	GM45H	1	0.987	450	20	2.237	15609	875	1000		6000	2003
64	Shanxi Hengtai Coking Iron Co., Ltd.	GM55H	1	0.903	600	25	2.25		1250	1400	YK1400-2	6000	2003



65	Liaoning Tianli Jinye Co., Ltd.	GM35H	1	1	250	25	2.5			630	YK400	6000	2003	
66	Jinchang Metallurgy of Tongdu Tongye Co., Ltd.	GM45H	1	0.987	450	20	2.237	15609	875	1000		6000	2003	
67	Shanxi Pucheng Coal Chemical Co., Ltd.	CM45H	1	92.8kpa(a)	389	32	147.8kpa(a)			630	YKK450 3-2p	6000	2003	
68	Linjin Petroleum Chemical Co., Ltd.	CM55H	1	101	670N	25	1.56	9516	720	800		10000	2003	
69	Wuhan Kaidi Power Co., Ltd.	GM35H	1	97.8kpa(a)	249N	17.4	213.8kpa			630	710	YKK450	6000	2003
70	Shandong Xiaojiaozhou Sewage Treatment Project	GM25L	3	100.7kpa	137N	28	160.7kpa			168	185	Y315L1	380	2003
71	Chengdu Oriental Electrical Equipment Group (Yibin Sewage Treatment Plant)	GM25L	3	97kpa	125	25	163.6kpa				185	Y315L1	380	2003
72	Sewage Treatment Revamping Project of Lanhua Power Plant	GM55L	1	84.8kpa	700	22.8	144kpa	10576	755	830		6000	2003	
73	Shiyan Shendinghe Sewage Treatment Plant	GM20L	3	101kpa	115	30	181kpa			170	185		380	2003
74	Beijing Zhongyuan Commercial Trade Co., Ltd. (Menzigou)	GM25L	4	100.95kpa	120	25	160.5kpa			139	160		380	2003
75	Zhejiang Zhongchang Environmental Protection Industry Co., Ltd.	GM20L	3	101.09kpa	75N	25	146.8kpa	23386	73	90	Y355-2	380	2003	
76	Northeastern Pharmacy General Plant	GM55H	2	97.8kpa	710N	24.8	2.15	12959	1375				2004	
77	Wuxi Coking Co., Ltd.	GM65L	1	1.01	41000	32	1.5	8250	916	1000		6000	2004	
78	Suzhou Synthetic Chemical Co., Ltd.	GM45L	1	1	520N/ m	30	1.8	13200	850	1000		10000	2004	

79	Beijing Qinghua Yongxin Shuangyi Environmental Protection Co., Ltd.	GM45L	2	101.56kpa	115	28	176.56kpa		166	185		380	2004
80	Changmao Biology Chemical Project Co., Ltd.	GM45L	1	1.02	580N/m	20	1.7	10330	785	1000			2004
81	Beijing Jiangong Jinyuan Environmental Protection Co., Ltd.	GM20L	3	1.01	88	25	1.71		118	132		380	2004
82	Yangzi Petroleum Chemical Co. of Sinopec	GM45L	2	1.01	503N/m	25	1.71		690	800		6000	2004
83	Zhejiang Yisheng Petrochemical Co., Ltd.	GM35L	8	1	250	30	1.75	17614	355	400	YKK400	10000	2004
84	Zhejiang Yisheng Petrochemical Co., Ltd.	GM25L	8	1	200	30	1.73	21451	270	315	YKK355	10000	2004
85	Fuzhou Fuxing Medicine Co., Ltd.	GM35H	2	1	200	35	1.75		540	630		10000	2004
86	Ningxia Coal Group Co.	GM35L	1	0.088	300	20	1.37	14900	285	355		6000	2004
87	Jiangsu Nantong Gangzha Economic Development Zone Sewage Plant	GM25L	4	1	180.30	30	1.7		237	280		380	2004
88	Shanghai Huayi Propylene Acid Plant	GM45H	1	1	283	35	2.236			1000	steam turbine		2004
89	Yunnan Metallurgy Group	GM65H	2	80.98kpa	500	20	286.98kpa	12634	1365	1500	YKOS1600-2	10000	2004
90	Zhejiang Shumei Environmental Protection Engineering Co.	GM20L	4	1.05	100	20	1.75	27591	135	160		380	2004

91	Nantonggangzha Economic Development Zone Sewage Plant	GM25L	4	1.0	180	30	1.7	20080	237	280	Y355L-2	380	2004
92	Sichuan Southwestern Electronic-machinery Equipment Packaging Co.	GM25L	2	96KPa	135	25	165KPa	21700	176	200		380	2004
93	Tianjin Dagu Chemical Co.	GM45L	4	101.57 KPa	334	25		2980	355				2004
94	SBW Import & Export Trade Co.	GM65H	1	1.013bar (A)	650	37	2.5bar	14495	1843				2004
95	Changmao Biology Chemical Project Co., Ltd.	GM55L	1	1.02 (A)	580N	20	7000mm Nw(G)	10327	785	1000	steam turbine		2004
96	Ningxia Coal Group Co.	GM35L	1	0.088MPa	300		0.137MPa	14900	285	355	YK355-2	6000	2004
97	Suining Lvyuan Drainage Co., Ltd.	GM20L	2		54.4			26340	68	75	Y280S-2	380	2004
98	Jinling Petrochemical	GM35L	2	101KPa		32.6			443	500		6000	2004
99	Maoming Petrochemical	GM25L	1	0.1MPa	120	25	0.1666M Pa		155	185		380	2004
100	Jiangxi Xinyu Qianwei Chemical Co., Ltd.	GM45L	1	1 (A)	400	30	0.07MPa		510	560		6000	2005
101	Shanghai Huayi Propylene Acid Plant	GM55H	1	- 200mmH <sub>2</sub> O	525	5月30日	228KPa	13846	1236				2005
102	China Chemical Construction General Co.	GM65L	1	91.5KPa	693.3	35	148 KPa	9164	950	1120	YK500-2	6000	2005
103	Jiangxi Sanhe Jinye Co., Ltd.	GM35H	1	1	220	25				450	YK400-2	10000	2005
104	Nanjing Design Institute of Sinopec	GM45L	4					13409	685	800	YAKS450-2	6000	2005

105	Fuzhou Fuxing Medicine Co., Ltd.	GM55H	1	745mmHg	450	20	0.175MPa		1190	1300		10000	2005
106	Beijing Zhongsheng Hongda Machinery Equipment Co., Ltd.	GM25L	3	100.93KPa	128	25			165	185		380	2005
107	Jiangsu Yulang Chemical Co., Ltd.	GM45H	1	98KPa	350		230KPa	16825	885				2005
108	Anshan International Economy Trade Co.	GM20L	2	1	101.2	20	1.85		159	185		380	2005
109	Zibo Xinglu Chemical Co., Ltd.	GM25H	1	1	100	60	2		270	315		380	2005
110	Jiangsu Yulang Chemical Co., Ltd.	GM45H	2	same as above									2005
111	Haining Ziwei Shuiwu Co., Ltd.	GM35L	7	1.013bar	207	30		21356	255	280		380	2005
112	Quanzhou Shengze Environment Engineering Co., Ltd.	GM20L	3		100	25	170	28000	133	160	Y315L-2	380	2005
113	Bengbu No.1 Sewage Treatment Plant	GM35L	2	1ata	350	25	7mH2O pressure rising	16341	435	500	YKS450-2	10000	2005
114	Beijing Baishiyuan Environmental Protection Co., Ltd.	GM35L-20	1	100.95	240	25	6.5mH2O pressure rising		285	315	YK355L-2-2	380	2005
115	Nanjing Design Institute of Sinopec	GM45H	4	100	400(N)	32	1.84kgf/cm <sup>2</sup>	13409	685	800	YAKS450-2	6000	2005
116	Anhui Fengyuan Fuel Alcohol Co., Ltd.	GM35L	3	1.03 kgf/cm <sup>2</sup>	250	20	1.75 kgf/cm <sup>2</sup>	17614	355	400	YKK450-2	10000	2005
117	Henan Xinxiang Huaxing Medicine Plant	GM45L	2	98	600	25	168	12190	745	850		10000	2005
118	Anhui Tongdutongye Co., Ltd.	GM45H-3	1	0.99 kgf/cm <sup>2</sup>	450	20	1.25 kgf/cm <sup>2</sup>	15640	885	1000	Y500-2	6000	2005
119	Pucheng Zhengda Biochemical Co., Ltd.	GM45H	2	96.3	400	20	160(G)		980	1120		10000	2005
110	Kunming Dongchuan Liquid Gold Mining Co., Ltd.	GM35L	2	1530m	290	30	115	21300	545	630	JK630-	10000	2005

110	Gold Mining Co., Ltd. (Copper Smelting)	GM35L	2	(altitude)	250	30	115	21500	345	650	2G	10000	2005
111	Nuowei Environment Safety Engineering Co., Ltd.	GM25L	4	1 kgf/cm <sup>2</sup>	160	30	65(G)		197	220		380	2006
112	Beijing Jingjia Chuangye Electronic-machinery Equipment Co., Ltd.	GM35L	3	100.26	234	25	170.26		295	355		10000	2006
113	Shandong Kaitai Industrial Co., Ltd.	GM45H- 10	1	98	317 (N)	35	230	16207	825	950	steam turbine		2006
114	Dushanzi Petrochemical of Petrochina	GM20L- 24	1	94.6	45	26	78(G)	29000	82	110		380	2006
115	Lanzhou Petrochemical of Petrochina	GM55L	1	84.8	700	22.8	6mH <sub>2</sub> O	10650	755	830		10000	2006
116	Shanghai Gangxing Electronic-machinery Equipment Co., Ltd.	GM45L- 14	1	100	500	20	168.8	12513	690	800	YK500- 2	10000	2006
117	Jiangyin Runhua Chemical Industry Co., Ltd.	GM45H	1	98	333 (N)	30	220	16400	750	900	steam turbine		2006
118	Yixing Biology Engineering Co.	GM55L- 13	1	0.973 kgf/cm <sup>2</sup>	560	15	1.75 kgf/cm <sup>2</sup>	11023	865	995	steam turbine		2006
119	Zhenhai Refining Chemical Material Equipment Co., Ltd.	GM65L	2	101.4	48190kg/ h	28	141.4	7653	710	800		10000	2006
120	Jinling Petrochemical of Sinopec	GM45L- 29	2	- 450mmH <sub>2</sub> O	368		7000 mmH <sub>2</sub> O			1000		6000	2006
121	Guizhou Jinfeng Mining Co., Ltd. (Gold Smelting)	GM45L	3	94.5	372.6 (N)	40	234.5			1250			2006

No.	Customer	Product Model	Quantity	Medium	Suction	Discharge	Flow (dry)	Driver	Produced Time
					Mpa/°C	Mpa/°C	Nm3/h	KW	
1	Panzhuhua Iron & Steel Co., Oxygen Plant	DH80-2	1	Air	0.085/34	0.642/100	59790	6000	1984
2	Yangzi Chemical Co.	DH80-3	2	Air	0.098/32	0.667/97	58000	5600	1985
3	Maanshan Iron & Steel Co.	DH80-4	1	Air	0.097/35	0.647/97	57000	5600	1986
4	Lunan Fertilizer Plant	DH80-5	1	Air	0.1/31.5	0.637/95	56000	5600	1986
5	Benxi Iron & Steel Co.	DH80-6	1	Air	0.097/30	0.647/100	57100	5600	1987
6	Baotou Iron & Steel Co.	DH80-7	1	Air	0.088/30	0.618/97	57300	5600	1988
7	Yilan Coal Gas Plant	DH80-8	1	Air	0.097/22	0.627/105	54000	5400	1990
8	Chongqing Iron & Steel Co., Oxygen Plant	DH80-9	1	Air	0.097/32	0.647/97	56500	5600	1991
9	Baotou Iron & Steel Co.	DH80-10	2	Air	0.873/30	0.6178/96	57300	5600	1992
10	Shanghai Coking Plant	DH80-11	1	Air	0.0975/32	0.6965/100	57000	6000	1992
11	ESSAR STEEL LIMITED	DH80-12	1	Air	0.0986/35	0.67/82	58000	5775	1993
12	Tianjin Alkali Plant	DH80-13	1	Air	0.0989/30	0.667/100	53000	5600	1993
13	Anshan Iron & Steel Co., Oxygen Plant	DH80-14	1	Air	0.097/25	0.65/100	57000	5400	1993
14	Lianyuan General Iron & Steel Plant	DH80-15	1	Air	0.0978/32	0.67/95	54000	5400	1994
15	Guiye Construction Headquarter	DH80-16	1	Air	0.0995/33	0.608/100	52000	5400	1994
16	Tonghua Iron & Steel Co.	DH80-17	2	Air	0.0949/25	0.672/94.4	53000	5600	1995
17	Tongling Non-Ferrous Metal Co. (Jinlong)	DH80-18	1	Air	0.1/33	0.608/94	52000	5600	1995
18	Lunan Fertilizer Plant	DH80-20	1	Air	0.09795/31.5	0.62/100	53000	5400	1998
19	Panzhuhua Iron & Steel Co.	DHP80-1	1	Air	0.0837/34	0.66/101	53000	6000	1993
20	Kunming Iron & Steel Co.	DHP80-2	1	Air	0.078/26.8	0.61/90	52000	5600	1994
21	Kunming Oxygen Plant (co-produced with DEMAG)	*VK40-3	1	Air	0.0791/25	0.59/89	56500	5600	1999
22	Anshan Iron & Steel (Group) Co.	DH80	1	Air	0.101/30	0.647/100	57000	5400	2001
23	Sichuan Air Separating Equipment Co.	DH80	1	Air	0.0938/32	0.61/	53500	5200	2003
24	Xiangtan Iron & Steel Co.	DH90-1	1	Air	0.098/34	0.667/98	73000	7200	1992

25	Maanshan Iron & Steel Co.	DH90-2	1	Air	0.098/34	0.667/100	73000	7200	1993
26	Anyang Iron & Steel Co.	DH90-3	1	Air	0.098/30	0.666/102	73000	7200	1995
27	Handan Iron & Steel. Co.	DH90-4	1	Air	0.098/32	0.67/100	78000	8000	1995
28	Shanghai Wusong General Chemical Plant	DH90-5	1	Air	0.1/32	0.6965/100	73000	7400	1995
29	Baotou Iron & Steel Co.	DHP90-2	1	Air	0.08903/30	0.656/100	78000	8000	1995
30	Sichuan Air Separating Equipment Co.	DH90	1	Air	0.098/32	0.62/	81500	7600	2003