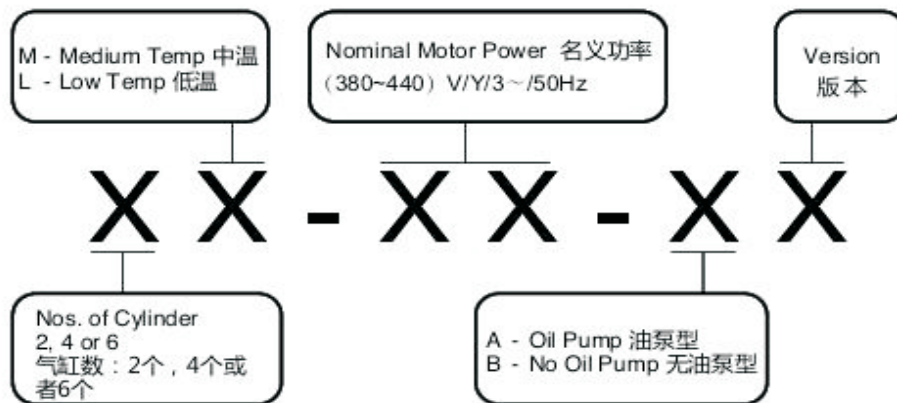


SEMI HERMETIC RECIPROCATING COMPRESSOR 半封闭活塞式压缩机

Introduction 产品简介

The 2L, 4M/L and 6M/L series of Semi-Hermetic Reciprocating Compressors designed for medium and low temperature refrigeration applications are high performance and efficient compressors. 2L, 4M/L和6M/L系列半封闭活塞式压缩机是专为中低温制冷应用设计的，该系列压缩机具有高性能和高效的优点。

Model Nomenclature 命名规则



Series and HP Range 压缩机系列和匹数范围：

Med Temp 中温	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 2px solid black; background-color: #e0f2f1; padding: 5px 15px;">2M</div> <div style="border: 2px solid black; background-color: #e0f2f1; padding: 5px 15px;">4M</div> </div>						
Low Temp 低温	<div style="border: 2px solid black; background-color: #e0f2f1; padding: 5px 15px; display: inline-block;">4L</div>						<div style="border: 2px solid black; background-color: #e0f2f1; padding: 5px 15px; display: inline-block;">4L</div>
hp ^①	3	4	5	6	7	8	50

Note : ① Nominal Motor Power 名义功率

MACH SEMI HERMETIC RECIPROCATING COMPRESSOR PERFORMANCE DATA 半封闭活塞式压缩机

R404A/R507A

Watt (50Hz 380V)

Model 型号	N. M. P ② 名义功率 [hp]	C. T ③ 冷凝温度 [° C]	↓	Cooling Capacity 制冷量 Q [W]						Power Consumption P 功耗 [kW]			
				Evaporating Temperature 蒸发温度 [° C]									
				5	0	-5	-10	-15	-20	-25	-30	-35	-40
4M-07-B1	7	30	Q	30507	25463	21098	17334	14104	11349				
			P	5.43	5.37	5.23	5.00	4.69	4.34				
		40	Q	26093	21728	17984	14734	11950	9574				
			P	6.61	6.37	6.06	5.67	5.24	4.76				
		50	Q	21486	17877	14763	12067	9739	7760				
			P	7.60	7.21	6.75	6.23	5.66	5.07				
4L-08-B1	8	30	Q		39625	32786	26869	21777	17431	13726	10602	7983	5820
			P		8.34	8.07	7.65	7.12	6.49	5.80	5.08	4.37	3.68
		40	Q		33659	27742	22601	18188	14424	11233	8555	6324	4491
			P		10.01	9.41	8.69	7.89	7.02	6.14	5.26	4.40	3.61
		50	Q		27645	22601	18294	14589	11427	8759	6538	4695	3201
			P		11.40	10.48	9.48	8.43	7.35	6.30	5.26	4.30	3.41
4M-09-B1	9	30	Q	36860	30798	25511	21001	17082	13735				
			P	6.70	6.62	6.41	6.10	5.70	5.24				
		40	Q	31622	26336	21728	17800	14405	11495				
			P	8.17	7.86	7.43	6.93	6.34	5.72				
		50	Q	26287	21825	17964	14628	11756	9322				
			P	9.46	8.91	8.29	7.60	6.86	6.08				
4L-10-B1	10	30	Q		45833	37733	30798	24832	19740	15423	11795	8779	6305
			P		9.43	9.08	8.57	7.93	7.21	6.41	5.58	4.74	3.93
		40	Q		38800	31816	25754	20564	16180	12474	9370	6809	4724
			P		11.16	10.46	9.63	8.70	7.71	6.69	5.66	4.67	3.72
		50	Q		31574	25705	20613	16286	12620	9535	6984	4889	3201
			P		12.53	11.48	10.35	9.15	7.92	6.69	5.49	4.36	3.31
4M-12-B1	12	30	Q	47724	39722	32835	26869	21777	17392				
			P	8.26	8.18	7.92	7.51	6.98	6.37				
		40	Q	40546	33659	27694	22504	18110	14337				
			P	10.12	9.70	9.14	8.47	7.70	6.88				
		50	Q	33417	27645	22601	18246	14540	11378				
			P	11.71	10.98	10.14	9.22	8.23	7.22				
4L-12-B1	12	30	Q		45833	37733	30798	24832	19740	15423	11795	8779	6305
			P		9.43	9.08	8.57	7.93	7.21	6.41	5.58	4.74	3.93
		40	Q		38800	31816	25754	20564	16180	12474	9370	6809	4724
			P		11.16	10.46	9.63	8.70	7.71	6.69	5.66	4.67	3.72
		50	Q		31574	25705	20613	16286	12620	9535	6984	4889	3201
			P		12.53	11.48	10.35	9.15	7.92	6.69	5.49	4.36	3.31
4M-15-B1	15	30	Q	55290	45881	37782	30749	24784	19691				
			P	9.60	9.43	9.07	8.56	7.91	7.17				
		40	Q	46754	38606	31622	25608	20419	16024				
			P	11.60	11.06	10.35	9.53	8.60	7.62				
		50	Q	38267	31428	25560	20516	16180	12532				
			P	13.28	12.40	11.38	10.26	9.10	7.90				
4L-15-B1	15	30	Q		70519	58685	48500	39673	32059	25511	19982	15278	11330
			P		15.19	14.57	13.77	12.82	11.76	10.61	9.42	8.20	6.99
		40	Q		60334	50149	41322	33659	27063	21389	16568	12503	9108
			P		17.95	16.84	15.60	14.25	12.83	11.37	9.89	8.45	7.06
		50	Q		49858	41371	33950	27500	21922	17188	13163	9768	6945
			P		20.30	18.74	17.08	15.36	13.61	11.85	10.13	8.48	6.93

Note :① Based On20°C Suction Gas Temperature And 0 K Liquid Subcooling以上数据基于吸气温度20℃, 液体过冷度为零的情况

② N. M. P - Nominal Motor Power 名义功率 ③ C. T - Condensing Temperature 冷凝温度

MACH SEMI HERMETIC RECIPROCATING COMPRESSOR PERFORMANCE DATA 半封闭活塞式压缩机

R404A/R507A

Watt (50Hz 380V)

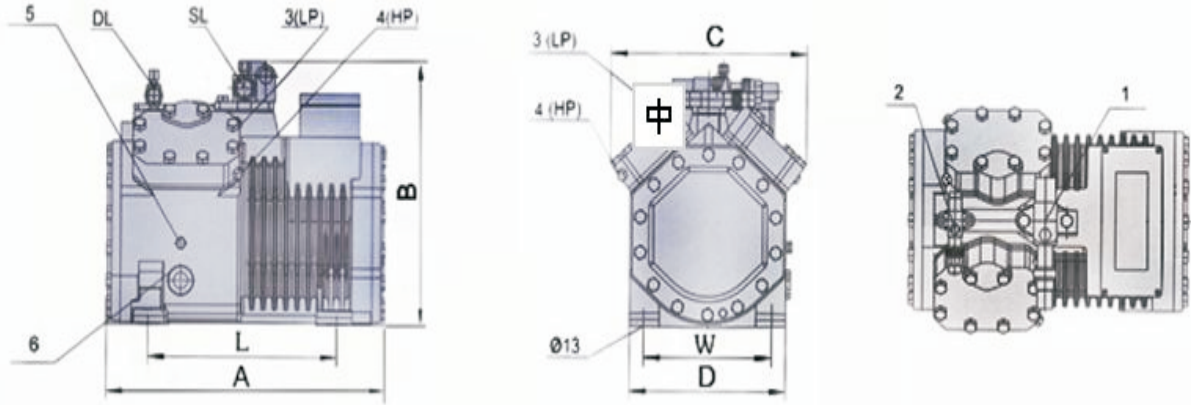
Model 型号	N.M.P. ^② 名义功率 [hp]	C.T. ^③ 冷凝温度 [°C]	↓	Cooling Capacity 制冷量 Q [W]						Power Consumption P 功耗 [kW]					
				Evaporating Temperature 蒸发温度 [°C]											
				5	0	-5	-10	-15	-20	-25	-30	-35	-40		
2M-03-B1	3	30	Q	15035	12600	10486	8643	7052	5684						
			P	2.78	2.73	2.63	2.50	2.34	2.15						
		40	Q	12785	10709	8895	7314	5936	4753						
			P	3.37	3.22	3.04	2.83	2.60	2.35						
		50	Q	10398	8691	7197	5888	4743	3754						
			P	3.85	3.62	3.36	3.07	2.77	2.45						
4L-03-B1	3	30	Q		16985	14026	11485	9322	7469	5917	4608	3531	2638		
			P		3.60	3.50	3.35	3.15	2.92	2.66	2.37	2.08	1.78		
		40	Q		14395	11892	9739	7896	6324	4986	3870	2939	2183		
			P		4.31	4.10	3.84	3.55	3.23	2.88	2.53	2.17	1.83		
		50	Q		11669	9642	7896	6383	5093	3996	3075	2309	1678		
			P		4.88	4.57	4.22	3.84	3.43	3.02	2.60	2.19	1.79		
2M-04-B1	4	30	Q	18352	15413	12853	10622	8691	7033						
			P	3.39	3.32	3.21	3.06	2.87	2.66						
		40	Q	15666	13144	10942	9031	7362	5927						
			P	4.11	3.94	3.72	3.48	3.21	2.91						
		50	Q	12794	10728	8905	7314	5936	4734						
			P	4.71	4.44	4.14	3.80	3.45	3.08						
4L-04-B1	4	30	Q		21437	17751	14560	11834	9496	7527	5869	4491	3356		
			P		4.61	4.47	4.27	4.00	3.69	3.33	2.96	2.57	2.19		
		40	Q		18246	15084	12358	10020	8022	6324	4908	3715	2745		
			P		5.54	5.26	4.91	4.51	4.07	3.62	3.15	2.69	2.24		
		50	Q		14899	12309	10069	8138	6489	5083	3899	2920	2105		
			P		6.32	5.89	5.41	4.90	4.36	3.80	3.25	2.72	2.20		
4M-05-B1	5	30	Q	20419	16985	14026	11485	9322	7479						
			P	3.58	3.55	3.45	3.31	3.12	2.90						
		40	Q	17276	14385	11892	9739	7896	6315						
			P	4.35	4.21	4.02	3.77	3.50	3.19						
		50	Q	13968	11650	9642	7886	6383	5093						
			P	4.97	4.73	4.44	4.12	3.76	3.39						
4L-05-B1	5	30	Q		25414	21098	17324	14104	11349	9002	7033	5384	4016		
			P		5.47	5.31	5.06	4.74	4.37	3.96	3.52	3.07	2.62		
		40	Q		21728	17974	14734	11950	9574	7556	5849	4443	3269		
			P		6.54	6.21	5.79	5.33	4.82	4.29	3.74	3.20	2.68		
		50	Q		17887	14763	12067	9739	7760	6072	4656	3492	2522		
			P		7.46	6.95	6.39	5.78	5.15	4.51	3.87	3.25	2.66		
4M-06-B1	6	30	Q	25608	21340	17615	14434	11698	9370						
			P	4.56	4.51	4.37	4.17	3.92	3.61						
		40	Q	21728	18091	14928	12212	9875	7876						
			P	5.55	5.35	5.08	4.75	4.37	3.96						
		50	Q	17693	14715	12135	9894	7973	6324						
			P	6.37	6.03	5.64	5.19	4.70	4.19						
4L-06-B1	6	30	Q		30798	25511	21001	17082	13735	10883	8468	6451	4782		
			P		6.62	6.41	6.10	5.70	5.24	4.72	4.18	3.63	3.07		
		40	Q		26336	21728	17800	14405	11495	9031	6965	5238	3812		
			P		7.86	7.43	6.93	6.34	5.72	5.06	4.40	3.74	3.11		
		50	Q		21825	17964	14628	11756	9322	7256	5519	4093	2920		
			P		8.91	8.29	7.60	6.86	6.08	5.31	4.53	3.78	3.07		

Note :① Based On20°C Suction Gas Temperature And 0 K Liquid Subcooling以上数据基于吸气温度20℃,液体过冷度为零的情况

② N.M.P - Nominal Motor Power 名义功率 ③ C.T - Condensing Temperature 冷凝温度

MACH SEMI HERMETIC RECIPROCATING COMPRESSOR TECHNICAL DATA

半封闭活塞式压缩机 - 技术参数



- | | |
|---|--|
| 1. Suction (SL) 吸气管 (SL) | 4. High pressure connection (HP) 高压接口 (HP) |
| 2. Discharge (DL) 排气管 (DL) | 5. Oil fill plug 注油堵头 |
| 3. Low pressure connection (LP) 低压接口 (LP) | 6. Sight glass 视液镜 |

Model 型号	N. M. P 名义功率 [hp/kw]	Displace- ment 排气量 [m ³ /h]	Pipe Conn. 管路接口 [in]		Oil Charge 充油量 [L]	Motor Conn. 电机	Electrical Data 电气参数			Dimension 尺寸 [mm]					
			Suction 吸气口	Discharge 排气口			RLA [A]	LRA [A]	Max. [kW]	A	B	C	D	L	W
2M-03-B1	3.0/2.2	18.1	7/8"	5/8"	2.0 ~ 2.6	380 ~ 420V Y/3/50Hz 440 ~ 480V Y/3/60Hz	9.2	44.2	5.5	432	353	301	243	293	198
2M-04-B1	4.0/3.0	22.7	1-1/8"	5/8"			10.7	53.5	7	432	353	301	243	293	198
4M-05-B1	5.0/3.7	18.1	7/8"	5/8"			10.8	62.2	8.6	432	353	301	243	293	198
4M-06-B1	6.0/4.4	22.7	1-1/8"	5/8"			13.2	62.2	10.3	432	353	301	243	293	198
4M-07-B1	7.0/5.1	26.8	1-1/8"	7/8"			15.9	82.4	11.88	458	353	301	243	293	198
4M-09-B1	9.0/6.6	32.5	1-1/8"	7/8"			20	82.4	15.4	458	353	301	243	293	198
4M-12-B1	12.0/8.8	41.3	1-3/8"	1-1/8"			24	113	20.5	637	387	328	300	367	256
4M-15-B1	15.0/10.5	48.5	1-5/8"	1-1/8"			31	132	24.5	662	387	328	300	367	256
4M-20-A1	20.0/15.0	56.3	1-5/8"	1-1/8"			37	158	35	662	387	328	300	367	256
4L-03-B1	3.0/2.2	18.1	7/8"	5/8"			9.2	44.2	5.5	432	353	301	243	293	198
4L-04-B1	4.0/3.0	22.7	1-1/8"	5/8"			10.7	53.5	7	432	353	301	243	293	198
4L-05-B1	5.0/3.7	26.8	1-1/8"	7/8"			13.5	62.2	11.6	432	353	301	243	293	198
4L-06-B1	6.0/4.4	32.5	1-1/8"	7/8"			15.9	82.4	10.3	458	353	301	243	293	198
4L-08-B1	8.0/6.0	41.3	1-3/8"	1-1/8"			17	81	14	637	387	328	300	367	256
4L-10-B1	10.0/7.5	48.5	1-3/8"	1-1/8"			21	99	17.5	637	387	328	300	367	256
4L-12-B1	12.0/8.8	56.3	1-3/8"	1-1/8"			24	113	20.5	637	387	328	300	367	256

Note : ① N. M. P - Nominal Motor Power