



**GREENCO®**

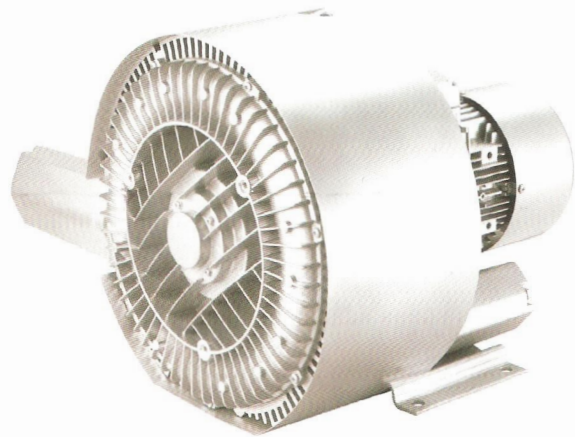
**G系列** G SERIES

**UL<sup>®</sup> US CE RoHS**

**2RB系列**  
**漩涡式气泵**  
Side channel blower



اینکه پایدار سبز



**浙江格凌实业有限公司**

ZHEJIANG GREENCO INDUSTRY CO., LTD



اینکه پایدار سبز



■ 温岭东部新区厂房



■ 泽国沈桥厂房



**业务部**

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G 系列 · G-Series

漩涡式气泵在真空和压力操作的选择和订购参数。

订购型号	马达				重量	噪音	最大流量	最高真空	最高压力	口径
	频率	额定								
		输出功率	电压	电流						
HZ	KW	V	A	KG	DB(A)	m <sup>3</sup> /h	mbar	mbar	inch	
Single stage										
· 2RB 010-7AH16	50	0.2	200-240 Δ/345-415Y	1.26 Δ/0.72Y	5	46	55	-80	90	G1
	60	0.23	220-275 Δ/380-480Y	1.55 Δ/0.9Y		48	68	-110	120	G1
· 2RB 110-7AH06	50	0.2	200-240 Δ/345-415Y	1.26 Δ/0.72Y	6	48	70	-100	100	G1
	60	0.23	220-275 Δ/380-480Y	1.55 Δ/0.9Y		50	84	-120	120	G1
· 2RB 110-7AH16	50	0.25	200-240 Δ/345-415Y	2.1 Δ/1.2Y	7	48	70	-110	120	G1
	60	0.28	220-275 Δ/380-480Y	2.0 Δ/1.15Y		50	84	-140	150	G1
· 2RB 210-7AH06	50	0.25	200-240 Δ/345-415Y	2.1 Δ/1.2Y	8	53	80	-100	110	G1 1/4
	60	0.29	220-275 Δ/380-480Y	2.0 Δ/1.15Y		56	98	-110	110	G1 1/4
· 2RB 210-7AH16	50	0.4	200-240 Δ/345-415Y	2.6 Δ/1.5Y	10	53	80	-120	130	G1 1/4
	60	0.5	220-275 Δ/380-480Y	2.6 Δ/1.5Y		56	98	-150	160	G1 1/4
· 2RB 230-7AH16	50	0.4	200-240 Δ/345-415Y	2.6 Δ/1.5Y	10	54	105	-120	130	G1 1/4
	60	0.5	220-275 Δ/380-480Y	2.6 Δ/1.5Y		57	120	-150	160	G1 1/4
· 2RB 230-7AH26	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	11	54	105	-120	140	G1 1/4
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		57	120	-160	180	G1 1/4
· 2RB 310-7AH06	50	0.55	200-240 Δ/345-415Y	2.8 Δ/1.6Y	12	55	110	-110	120	G1 1/4
	60	0.63	220-275 Δ/380-480Y	3.0 Δ/1.7Y		58	140	-110	120	G1 1/4
· 2RB 310-7AH16	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	13	55	110	-150	150	G1 1/4
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		58	140	-150	140	G1 1/4
· 2RB 330-7AH06	50	0.55	200-240 Δ/345-415Y	2.8 Δ/1.6Y	13	56	140	-60	60	G1 1/4
	60	0.63	220-275 Δ/380-480Y	3.0 Δ/1.7Y		58	165	-50	50	G1 1/4
· 2RB 330-7AH16	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	14	56	140	-100	100	G1 1/4
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		58	165	-110	100	G1 1/4
· 2RB 410-7AH06	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	13	63	145	-120	120	G1 1/2
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		64	175	-130	130	G1 1/2
· 2RB 410-7AH16	50	0.85	200-240 Δ/345-415Y	4.2 Δ/2.4Y	15	63	145	-160	160	G1 1/2
	60	0.95	220-275 Δ/380-480Y	4.0 Δ/2.3Y		64	175	-160	160	G1 1/2
· 2RB 410-7AH26	50	1.3	200-240 Δ/345-415Y	5.7 Δ/3.3Y	16	63	145	-170	200	G1 1/2
	60	1.5	220-275 Δ/380-480Y	5.7 Δ/3.3Y		64	175	-210	220	G1 1/2
· 2RB 430-7AH06	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	14	64	180	-70	70	G1 1/2
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		65	210	-50	50	G1 1/2
· 2RB 430-7AH16	50	0.85	200-240 Δ/345-415Y	4.2 Δ/2.4Y	16	64	180	-110	100	G1 1/2
	60	0.95	220-275 Δ/380-480Y	4.0 Δ/2.3Y		65	210	-90	80	G1 1/2
· 2RB 430-7AH26	50	1.3	200-240 Δ/345-415Y	5.7 Δ/3.3Y	17	64	180	-170	180	G1 1/2
	60	1.5	220-275 Δ/380-480Y	5.7 Δ/3.3Y		65	210	-180	170	G1 1/2
· 2RB 510-7AH06	50	0.85	200-240 Δ/345-415Y	4.2 Δ/2.4Y	18	64	210	-110	100	G2
	60	0.95	220-275 Δ/380-480Y	4.0 Δ/2.3Y		70	255	-80	70	G2
· 2RB 510-7AH16	50	1.3	200-240 Δ/345-415Y	5.7 Δ/3.3Y	20	64	210	-170	170	G2
	60	1.5	220-275 Δ/380-480Y	5.7 Δ/3.3Y		70	255	-150	140	G2
· 2RB 510-7AH26	50	1.6	200-240 Δ/345-415Y	7.5 Δ/4.3Y	21	64	210	-200	190	G2
	60	2.1	220-275 Δ/380-480Y	7.6 Δ/4.4Y		70	255	-220	210	G2
· 2RB 510-7AH36	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	25	64	210	-220	270	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		70	255	-260	290	G2
· 2RB 530-7AH06	50	0.85	200-240 Δ/345-415Y	4.2 Δ/2.4Y	19	65	270	-40	40	G2
	60	0.95	220-275 Δ/380-480Y	4.0 Δ/2.3Y		71	330	-40	40	G2
· 2RB 530-7AH16	50	1.3	200-240 Δ/345-415Y	5.7 Δ/3.3Y	21	65	270	-120	110	G2
	60	1.5	220-275 Δ/380-480Y	5.7 Δ/3.3Y		71	330	-90	80	G2
· 2RB 530-7AH26	50	1.6	200-240 Δ/345-415Y	7.5 Δ/4.3Y	22	65	270	-160	150	G2
	60	2.1	220-275 Δ/380-480Y	7.6 Δ/4.4Y		71	330	-160	150	G2
· 2RB 530-7AH36	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	26	65	270	-220	230	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		71	330	-260	280	G2
· 2RB 610-7AH06	50	1.6	200-240 Δ/345-415Y	8.5 Δ/4.9Y	24	65	265	-170	180	G2
	60	2.1	220-275 Δ/380-480Y	8.8 Δ/5.1Y		71	315	-180	190	G2
· 2RB 610-7AH16	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	27	65	265	-235	220	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		71	315	-245	230	G2
· 2RB 610-7AH26	50	3	200-240 Δ/345-415Y	12.5 Δ/7.2Y	32	65	265	-280	280	G2
	60	3.45	220-275 Δ/380-480Y	12.5 Δ/7.3Y		71	315	-260	270	G2





G 系列 · G-Series

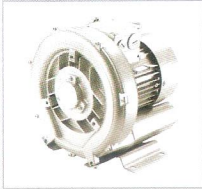
漩涡式气泵在真空和压力操作的选择和订购参数。

订购型号	马达				重量	噪音	最大流量	最高真空	最高压力	口径
	频率	额定								
		输出功率	电压	电流						
HZ	KW	V	A	KG	DB(A)	m <sup>3</sup> /h	mbar	mbar	inch	
Single stage										
· 2RB 630-7AH06	50	1.6	200-240 Δ/345-415Y	8.5 Δ/4.9Y	24	65	345	-125	125	G2
	60	2.1	220-275 Δ/380-480Y	8.8 Δ/5.1Y		71	415	-105	130	G2
· 2RB 630-7AH16	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	27	65	345	-200	195	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		71	415	-170	195	G2
· 2RB 630-7AH26	50	3	200-240 Δ/345-415Y	12.5 Δ/7.2Y	32	65	345	-240	220	G2
	60	3.45	220-275 Δ/380-480Y	12.5 Δ/7.3Y		71	415	-210	220	G2
· 2RB 710-7AH06	50	1.6	200-240 Δ/345-415Y	8.5 Δ/4.9Y	26	69	318	-160	150	G2
	60	2.1	220-275 Δ/380-480Y	8.8 Δ/5.1Y		72	376	-160	150	G2
· 2RB 710-7AH16	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	29	69	318	-190	190	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		72	376	-190	190	G2
· 2RB 710-7AH26	50	3	200-240 Δ/345-415Y	12.5 Δ/7.2Y	34	69	318	-260	270	G2
	60	3.45	220-275 Δ/380-480Y	12.5 Δ/7.3Y		72	376	-240	230	G2
· 2RB 710-7AH37	50	4	345-415 Δ/600-690Y	9.5 Δ/5.5Y	42	69	318	-290	360	G2
	60	4.6	380-480 Δ/660-720Y	9.5 Δ/5.5Y		72	376	-320	310	G2
· 2RB 730-7AH06	50	1.6	200-240 Δ/345-415Y	8.5 Δ/4.9Y	29	70	420	-100	100	G2
	60	2.1	220-275 Δ/380-480Y	8.8 Δ/5.1Y		73	500	-110	100	G2
· 2RB 730-7AH16	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	32	70	420	-180	170	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		73	500	-160	150	G2
· 2RB 730-7AH26	50	3	200-240 Δ/345-415Y	12.5 Δ/7.2Y	37	70	420	-220	200	G2
	60	3.45	220-275 Δ/380-480Y	12.5 Δ/7.3Y		73	500	-200	170	G2
· 2RB 730-7AH37	50	4	345-415 Δ/600-690Y	9.5 Δ/5.5Y	43	70	420	-260	290	G2
	60	4.6	380-480 Δ/660-720Y	9.5 Δ/5.5Y		73	500	-260	280	G2
· 2RB 810-7AH07	50	4.0	345-415 Δ/600-690Y	9.5 Δ/5.5Y	54	70	530	-200	200	G2 1/2
	60	4.6	380-480 Δ/660-720Y	9.5 Δ/5.5Y		74	620	-160	160	G2 1/2
· 2RB 810-7AH17	50	5.5	345-415 Δ/600-690Y	13.3 Δ/7.7Y	63	70	530	-300	300	G2 1/2
	60	6.3	380-480 Δ/660-720Y	13.3 Δ/7.7Y		74	620	-300	280	G2 1/2
· 2RB 810-7AH27	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	66	70	530	-320	430	G2 1/2
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		74	620	-350	400	G2 1/2
· 2RB 830-7AH07	50	4.0	345-415 Δ/600-690Y	9.5 Δ/5.5Y	57	70	700	-150	140	G2 1/2
	60	4.6	380-480 Δ/660-720Y	9.5 Δ/5.5Y		74	840	-90	90	G2 1/2
· 2RB 830-7AH17	50	5.5	345-415 Δ/600-690Y	13.3 Δ/7.7Y	66	70	700	-200	190	G2 1/2
	60	6.3	380-480 Δ/660-720Y	13.3 Δ/7.7Y		74	840	-180	180	G2 1/2
· 2RB 830-7AH27	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	69	70	700	-270	260	G2 1/2
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		74	840	-270	260	G2 1/2
· 2RB 910-7AH07	50	8.5	345-415 Δ/600-690Y	18.2 Δ/10.5Y	93	74	1050	-190	190	G4
	60	9.8	380-480 Δ/660-720Y	18.2 Δ/10.5Y		79	1250	-150	140	G4
· 2RB 910-7AH17	50	12.5	345-415 Δ/600-690Y	28.0 Δ/16.2Y	116	74	1050	-290	280	G4
	60	14.5	380-480 Δ/660-720Y	29.0 Δ/16.7Y		79	1250	-270	260	G4
· 2RB 910-7AH37	50	18.5	345-415 Δ/600-690Y	37.0 Δ/21.0Y	126	74	1050	-360	460	G4
	60	21.3	380-480 Δ/660-720Y	39.0 Δ/22.5Y		79	1250	-380	420	G4
· 2RB 930-7AH07	50	8.5	345-415 Δ/600-690Y	18.2 Δ/10.5Y	98	75	1370	-120	110	G4
	60	9.8	380-480 Δ/660-720Y	18.2 Δ/10.5Y		80	1650	-80	70	G4
· 2RB 930-7AH17	50	12.5	345-415 Δ/600-690Y	28.0 Δ/16.2Y	121	75	1370	-190	180	G4
	60	14.5	380-480 Δ/660-720Y	29.0 Δ/16.7Y		80	1650	-150	150	G4
· 2RB 930-7AH27	50	15.0	345-415 Δ/600-690Y	32.5 Δ/18.8Y	126	75	1370	-250	260	G4
	60	17.3	380-480 Δ/660-720Y	34.5 Δ/19.9Y		80	1650	-210	220	G4
· 2RB 930-7AH37	50	18.5	345-415 Δ/600-690Y	37.0 Δ/21.0Y	131	75	1370	-320	340	G4
	60	21.3	380-480 Δ/660-720Y	39.0 Δ/22.5Y		80	1650	-300	280	G4
Double stage										
· 2RB 220-7HH26	50	0.7	200-240 Δ/345-415Y	3.8 Δ/2.2Y	14	55	88	-210	240	G1 1/4
	60	0.83	220-275 Δ/380-480Y	3.75 Δ/2.15Y		61	103	-250	250	G1 1/4
· 2RB 320-7HH26	50	0.85	200-240 Δ/345-415Y	4.2 Δ/2.4Y	17	58	110	-200	230	G1 1/4
	60	0.95	220-275 Δ/380-480Y	4.0 Δ/2.3Y		60	130	-240	240	G1 1/4
· 2RB 320-7HH36	50	1.3	200-240 Δ/345-415Y	5.7 Δ/3.3Y	18	58	110	-280	290	G1 1/4
	60	1.5	220-275 Δ/380-480Y	5.7 Δ/3.3Y		60	130	-300	400	G1 1/4

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漩涡式气泵在真空和压力操作的选型和订购参数。

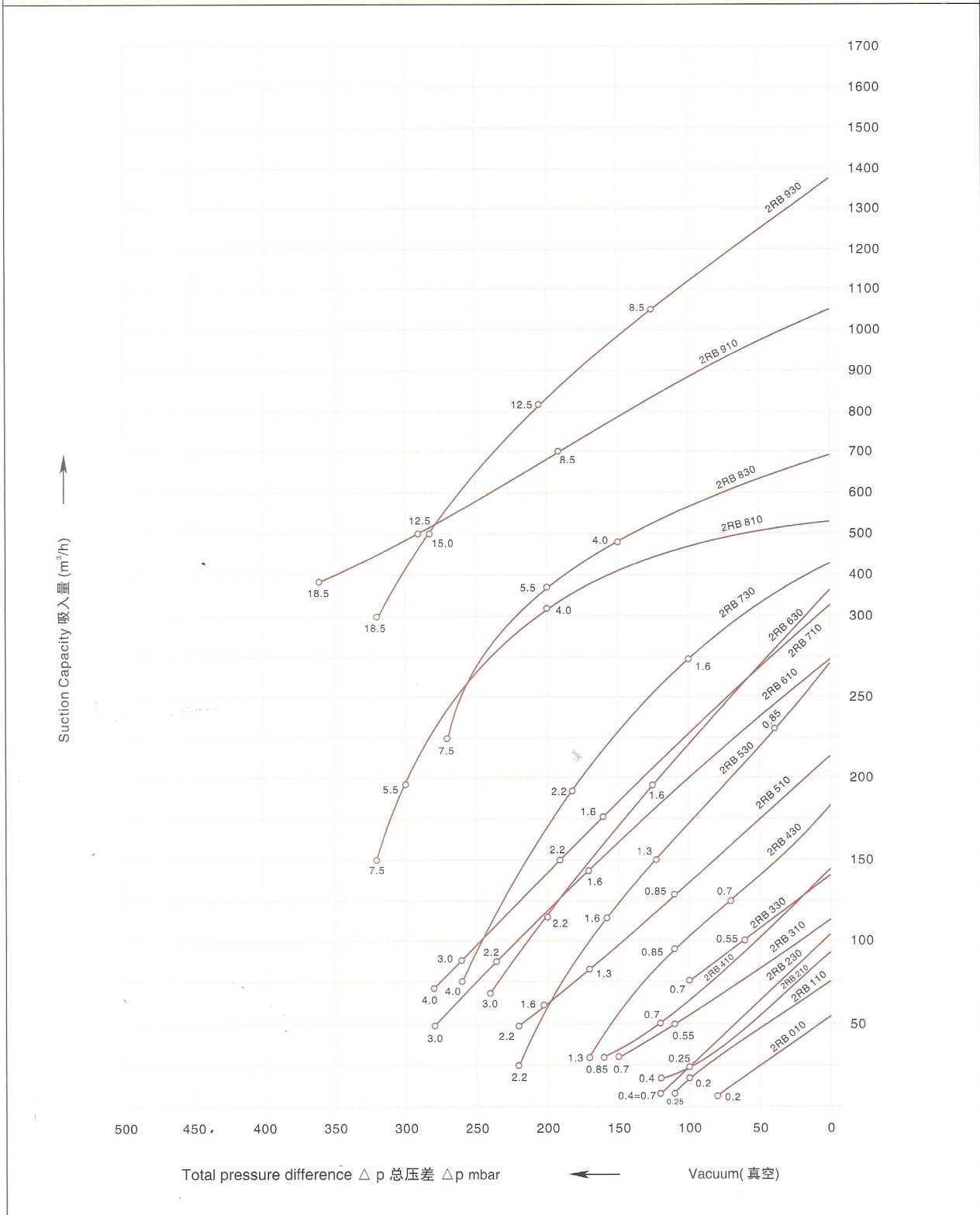
订购型号	马达				重量	噪音	最大流量	最高真空	最高压力	口径
	频率	额定								
		输出功率	电压	电流						
HZ	KW	V	A	KG	DB(A)	m <sup>3</sup> /h	mbar	mbar	inch	
Double stage										
· 2RB 420-7HH36	50	1.6	200-240 Δ/345-415Y	7.5 Δ/4.3Y	24	66	150	-280	280	G1 <sup>1</sup> / <sub>2</sub>
	60	2.05	220-275 Δ/380-480Y	7.6 Δ/4.4Y		69	180	-320	310	G1 <sup>1</sup> / <sub>2</sub>
· 2RB 420-7HH46	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	27	66	150	-330	420	G1 <sup>1</sup> / <sub>2</sub>
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		69	180	-350	440	G1 <sup>1</sup> / <sub>2</sub>
· 2RB 520-7HH46	50	3	200-240 Δ/345-415Y	12.5 Δ/7.2Y	39	72	230	-340	410	G2
	60	3.45	220-275 Δ/380-480Y	12.5 Δ/7.3Y		74	275	-380	360	G2
· 2RB 520-7HH57	50	4	345-415 Δ/600-690Y	9.5 Δ/5.5Y	43	72	230	-390	440	G2
	60	4.6	380-480 Δ/660-720Y	9.5 Δ/5.5Y		74	275	-410	480	G2
· 2RB 720-7HH16	50	2.2	200-240 Δ/345-415Y	9.7 Δ/5.6Y	42	73	320	-200	190	G2
	60	2.55	220-275 Δ/380-480Y	10 Δ/5.8Y		76	385	-170	150	G2
· 2RB 720-7HH26	50	3	220-240 Δ 380-415Y	12.5 Δ/7.2Y	47	73	320	-280	260	G2
	60	3.45	220-240 Δ 380-415Y	12.5 Δ/7.3Y		76	385	-230	200	G2
· 2RB 720-7HH37	50	4.3	345-415 Δ/600-690Y	10.0 Δ/5.8Y	53	73	320	-360	380	G2
	60	4.8	380-480 Δ/660-720Y	10.4 Δ/6.0Y		76	385	-350	320	G2
· 2RB 720-7HH47	50	5.5	345-415 Δ/600-690Y	13.3 Δ/7.7Y	70	73	320	-440	500	G2
	60	6.3	380-480 Δ/660-720Y	13.3 Δ/7.7Y		76	385	-440	500	G2
· 2RB 720-7HH57	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	77	73	320	-440	570	G2
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		76	385	-460	660	G2
· 2RB 740-7GH37	50	4.3	345-415 Δ/600-690Y	9.5 Δ/5.5Y	54	74	500	-150	140	G2
	60	4.8	380-480 Δ/660-720Y	9.5 Δ/5.5Y		78	600	-100	90	G2
· 2RB 740-7GH47	50	5.5	345-415 Δ/600-690Y	13.3 Δ/7.7Y	69	74	500	-240	260	G2
	60	6.3	380-480 Δ/660-720Y	13.3 Δ/7.7Y		78	600	-210	200	G2
· 2RB 740-7GH57	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	75	74	500	-240	320	G2
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		78	600	-270	300	G2
· 2RB 820-7HH17	50	5.5	345-415 Δ/600-690Y	13.3 Δ/7.7Y	83	74	520	-280	260	G2 <sup>1</sup> / <sub>2</sub>
	60	6.3	380-480 Δ/660-720Y	13.3 Δ/7.7Y		78	620	-210	200	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 820-7HH27	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	86	74	520	-400	400	G2 <sup>1</sup> / <sub>2</sub>
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		78	620	-360	330	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 820-7HH37	50	11.0	345-415 Δ/600-690Y	28.0 Δ/16.2Y	104	74	520	-430	600	G2 <sup>1</sup> / <sub>2</sub>
	60	12.6	380-480 Δ/660-720Y	29.0 Δ/16.7Y		78	620	-460	600	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 820-7HH47	50	15.0	345-415 Δ/600-690Y	32.5 Δ/18.8Y	120	74	520	-460	670	G2 <sup>1</sup> / <sub>2</sub>
	60	17.3	380-480 Δ/660-720Y	34.5 Δ/19.9Y		78	620	-490	750	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 840-7GH27	50	7.5	345-415 Δ/600-690Y	16.7 Δ/9.6Y	91	74	900	-200	180	G2 <sup>1</sup> / <sub>2</sub>
	60	8.6	380-480 Δ/660-720Y	17.3 Δ/10.0Y		78	1050	-150	120	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 840-7GH37	50	11.0	345-415 Δ/600-690Y	28.0 Δ/16.2Y	110	74	900	-280	370	G2 <sup>1</sup> / <sub>2</sub>
	60	12.6	380-480 Δ/660-720Y	29.0 Δ/16.7Y		78	1050	-310	350	G2 <sup>1</sup> / <sub>2</sub>
· 2RB 920-7HH17	50	12.5	345-415 Δ/600-690Y	28.0 Δ/ 16.2Y	187	74	1110	-300	270	G4
	60	14.5	380-480 Δ/ 660-720Y	29.0 Δ/ 16.7Y		84	1310	-220	200	G4
· 2RB 920-7HH27	50	16.5	345-415 Δ/600-690Y	35.0 Δ/ 20.0Y	197	74	1110	-410	370	G4
	60	19.0	380-480 Δ/ 660-720Y	36.5 Δ/ 21.0Y		84	1310	-340	300	G4
· 2RB 920-7HH37	50	20.0	345-415 Δ/600-690Y	40.0 Δ/ 23.0Y	204	74	1110	-440	500	G4
	60	23.0	380-480 Δ/ 660-720Y	42.0 Δ/ 24.2Y		84	1310	-440	430	G4
· 2RB 920-7HH47	50	25.0	345-415 Δ/600-690Y	52.0 Δ/ 30.0Y	211	74	1110	-440	590	G4
	60	29.0	380-480 Δ/ 660-720Y	52.0 Δ/ 30.0Y		84	1310	-440	540	G4
· 2RB 940-7BH27	50	15.0	345-415 Δ/600-690Y	35.0 Δ/ 20.0Y	187	75	1940	-130	110	G4
	60	17.5	380-480 Δ/ 660-720Y	36.5 Δ/ 21.0Y		84	2310	-60	40	G4
· 2RB 940-7BH37	50	20.0	345-415 Δ/600-690Y	40.0 Δ/ 23.0Y	212	75	1940	-220	200	G4
	60	23.0	380-480 Δ/ 660-720Y	42.0 Δ/ 24.2Y		84	2310	-160	130	G4
· 2RB 940-7BH47	50	25.0	345-415 Δ/600-690Y	52.0 Δ/ 30.0Y	219	75	1940	-310	280	G4
	60	29.0	380-480 Δ/ 660-720Y	52.0 Δ/ 30.0Y		84	2310	-270	220	G4
· 2RB 943-7BH27	50	15.0	345-415 Δ/600-690Y	35.0 Δ/ 20.0Y	220	75	2050	-160	170	G5
	60	17.5	380-480 Δ/ 660-720Y	36.5 Δ/ 21.0Y		84	2480	-120	110	G5
· 2RB 943-7BH37	50	20.0	345-415 Δ/600-690Y	40.0 Δ/ 23.0Y	230	75	2050	-250	230	G5
	60	23.0	380-480 Δ/ 660-720Y	42.0 Δ/ 24.2Y		84	2480	-190	180	G5
· 2RB 943-7BH47	50	25.0	345-415 Δ/600-690Y	52.0 Δ/ 30.0Y	235	75	2050	-310	280	G5
	60	29.0	380-480 Δ/ 660-720Y	52.0 Δ/ 30.0Y		84	2480	-270	230	G5

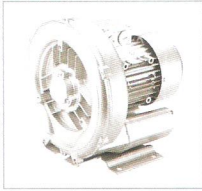


下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C.

Vacuum Selection diagram 50Hz—真空选型图表 50Hz

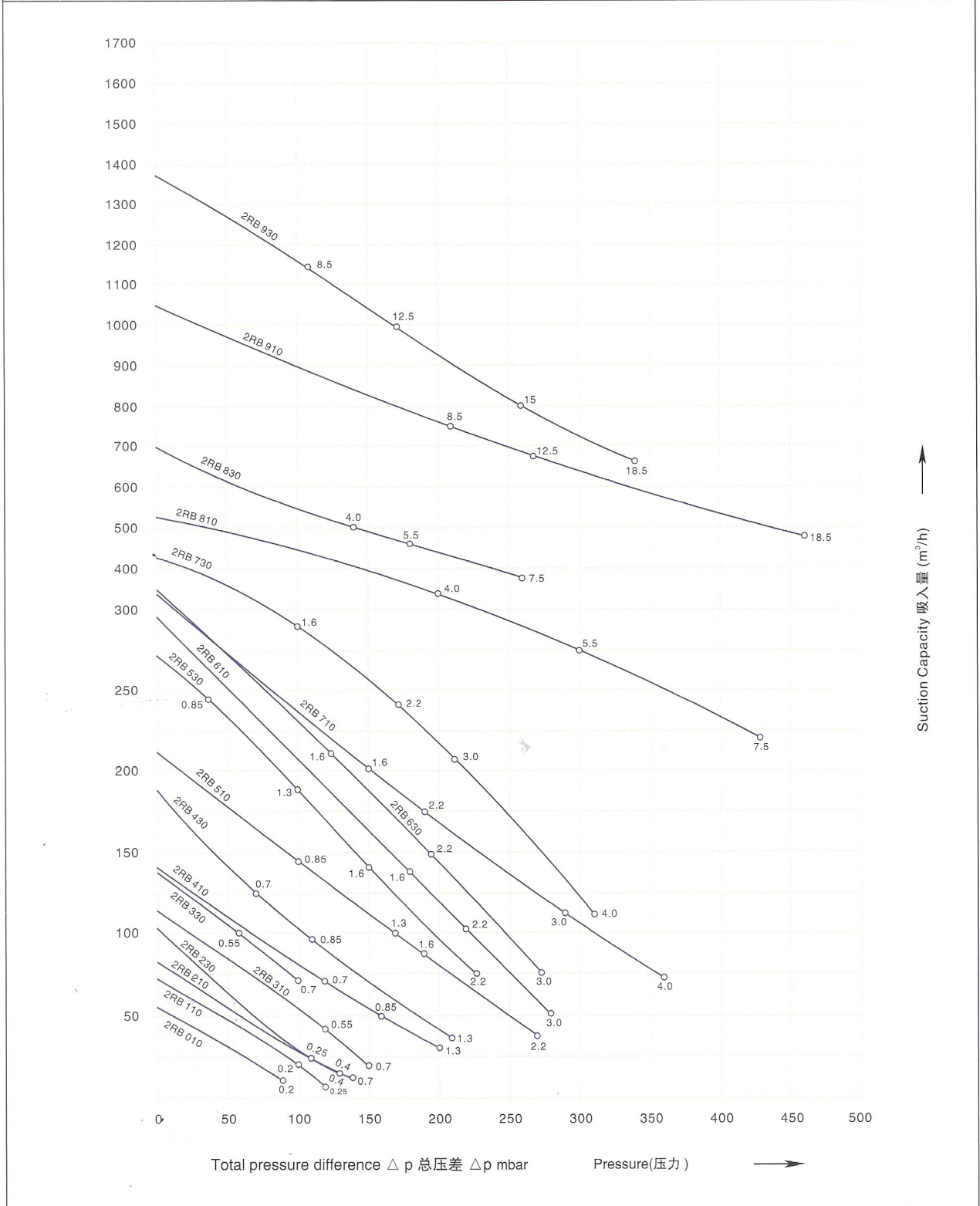


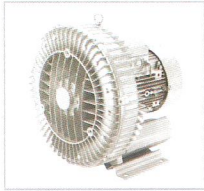


下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .

Pressure Selection diagram 50Hz——压力选型图表 50Hz

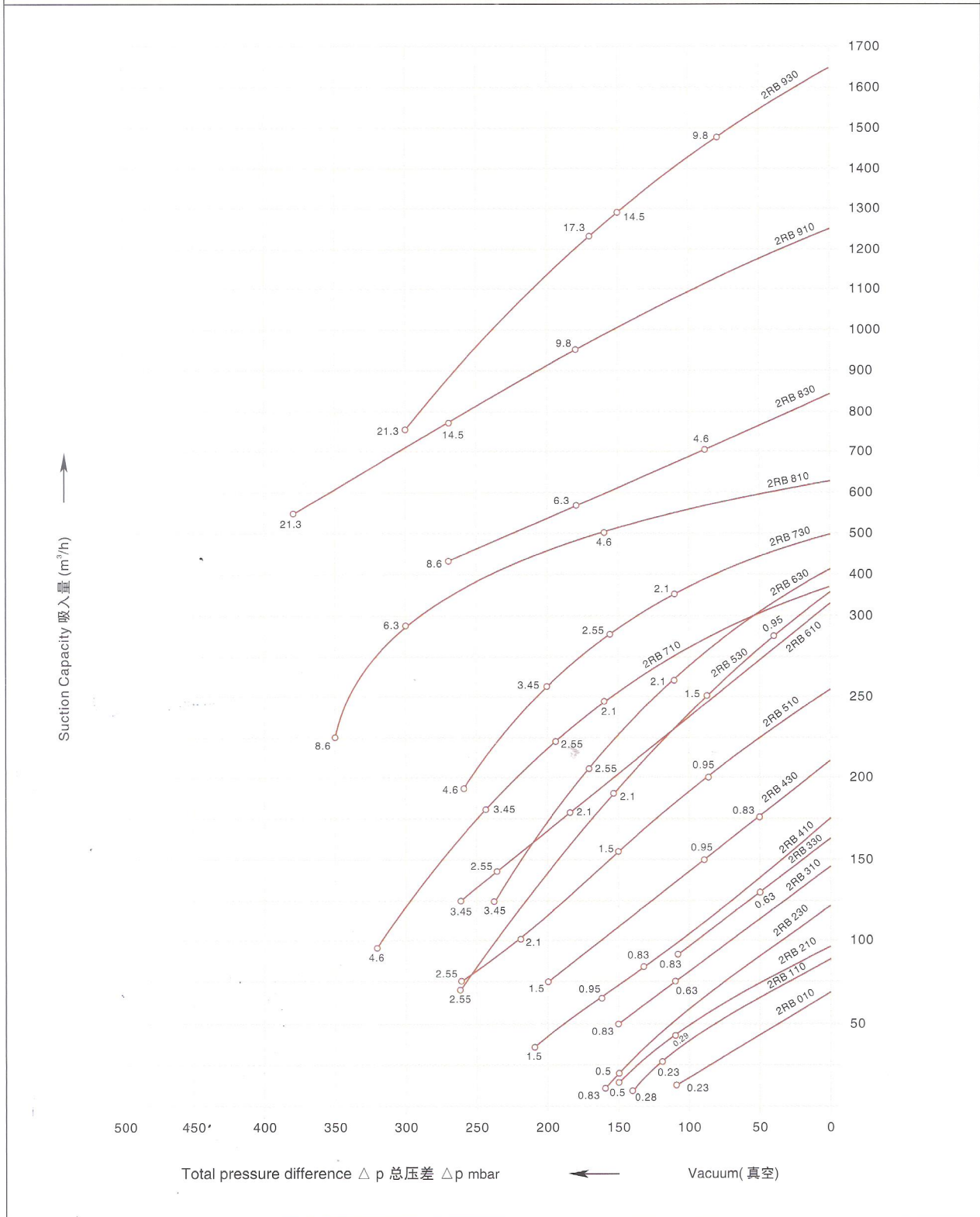




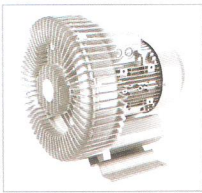
下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Vacuum Selection diagram 60Hz——真空选型图表 60Hz



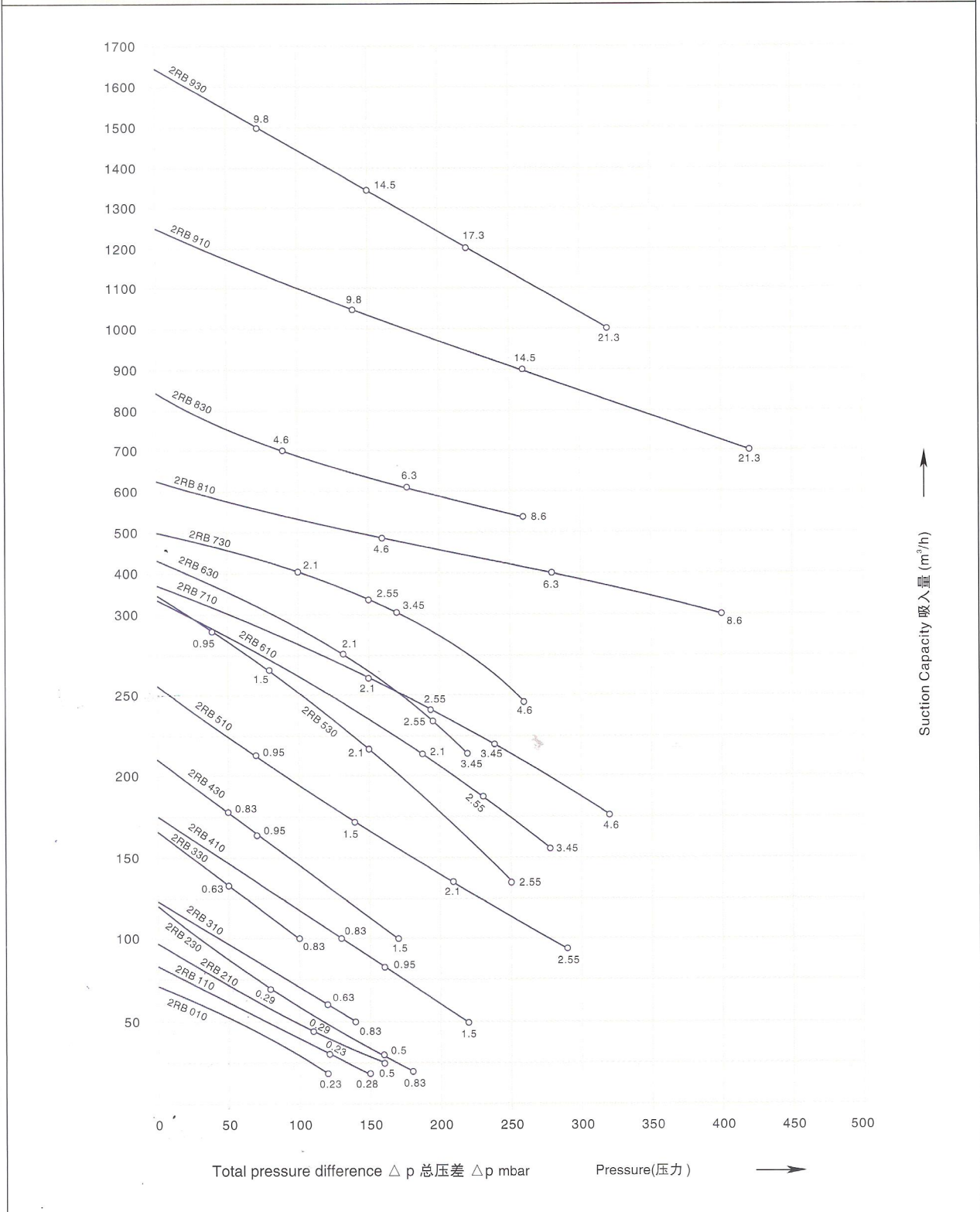


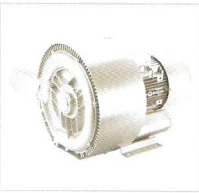


下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Pressure Selection diagram 60Hz—压力选型图表 60Hz

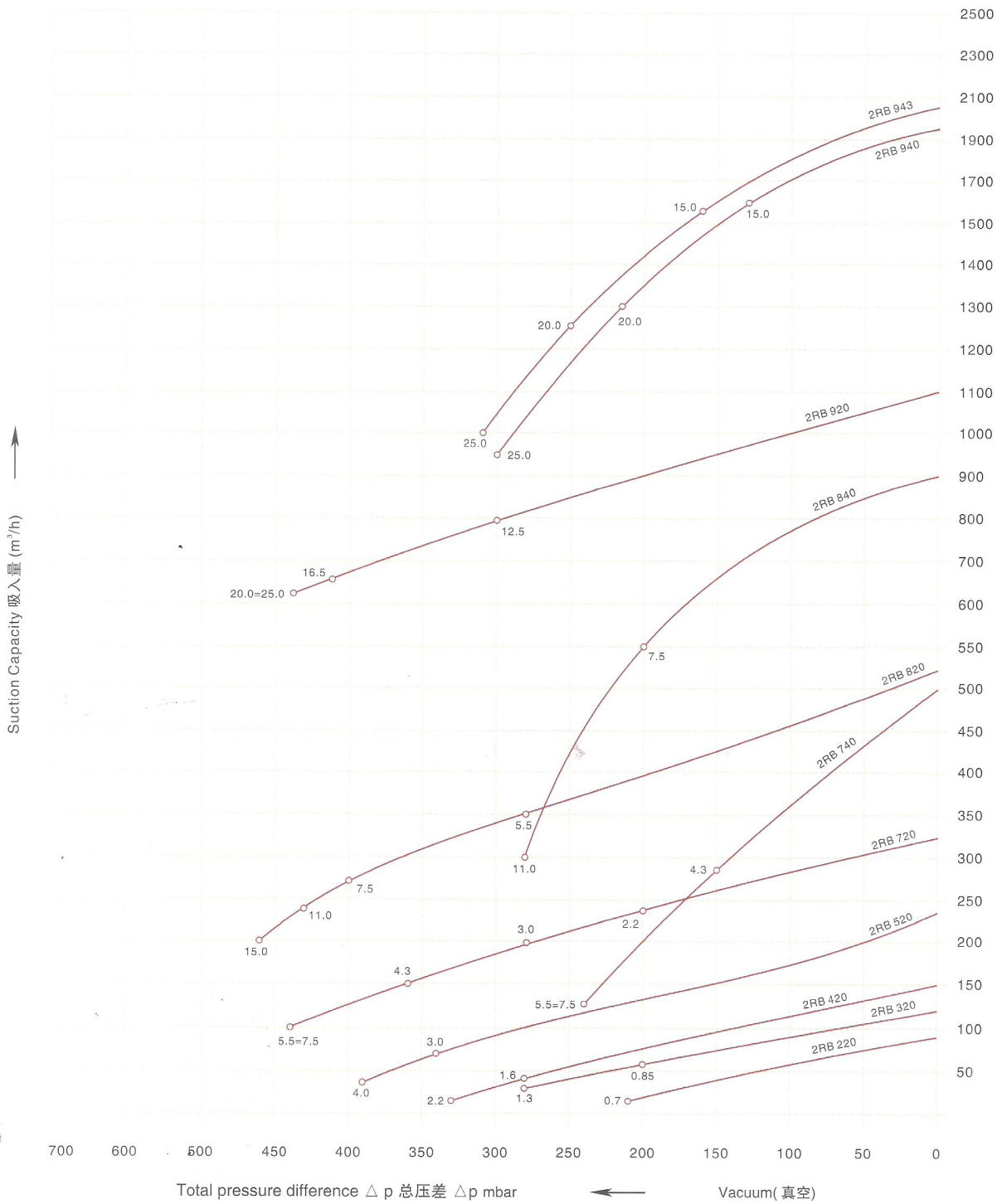


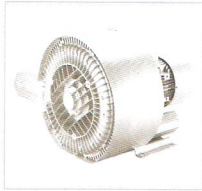


下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Vacuum Selection diagram 50Hz—真空选型图表 50Hz

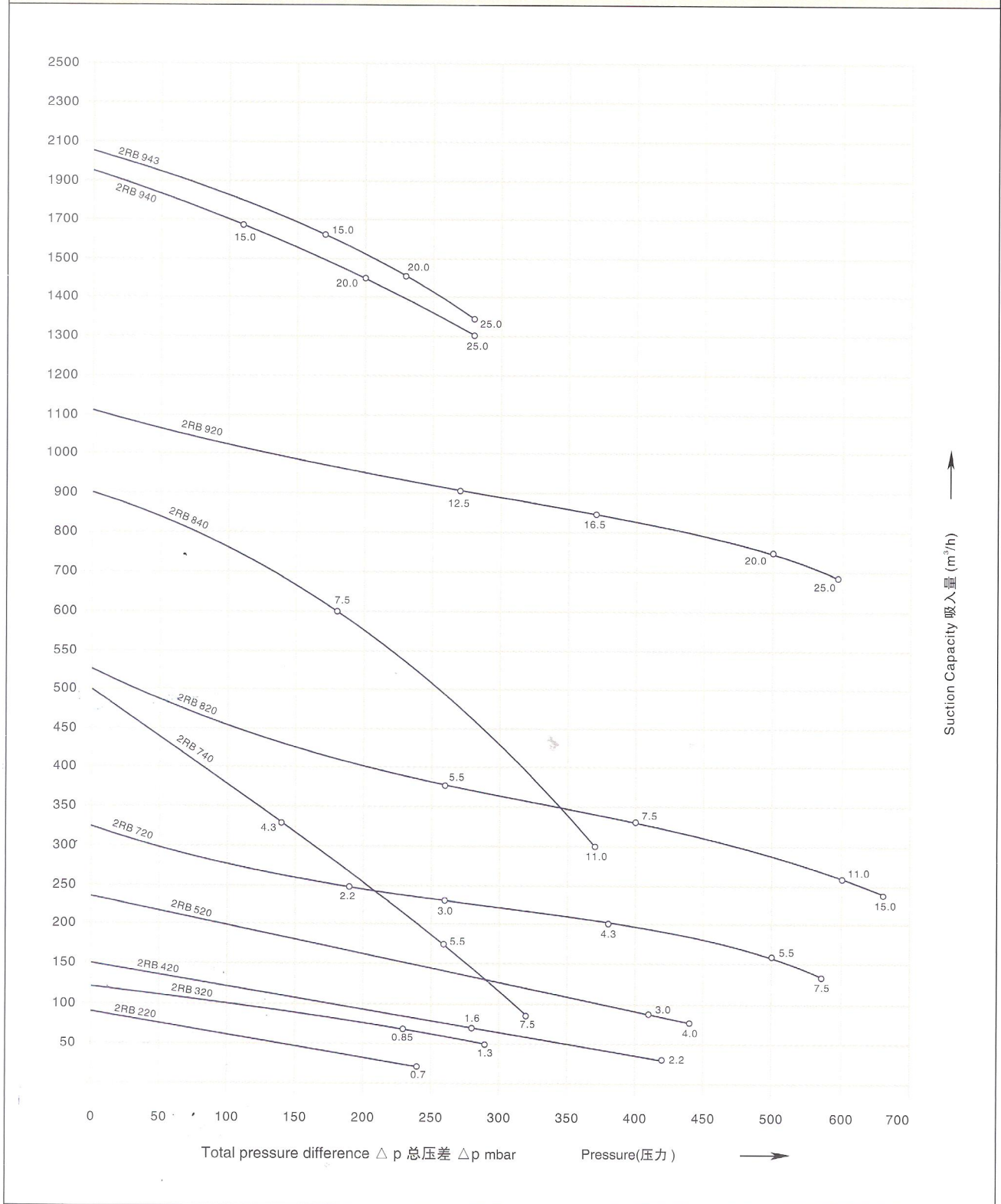


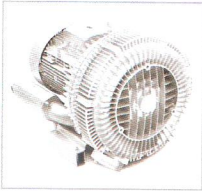


下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Pressure Selection diagram 50Hz — 压力选型图表 50Hz

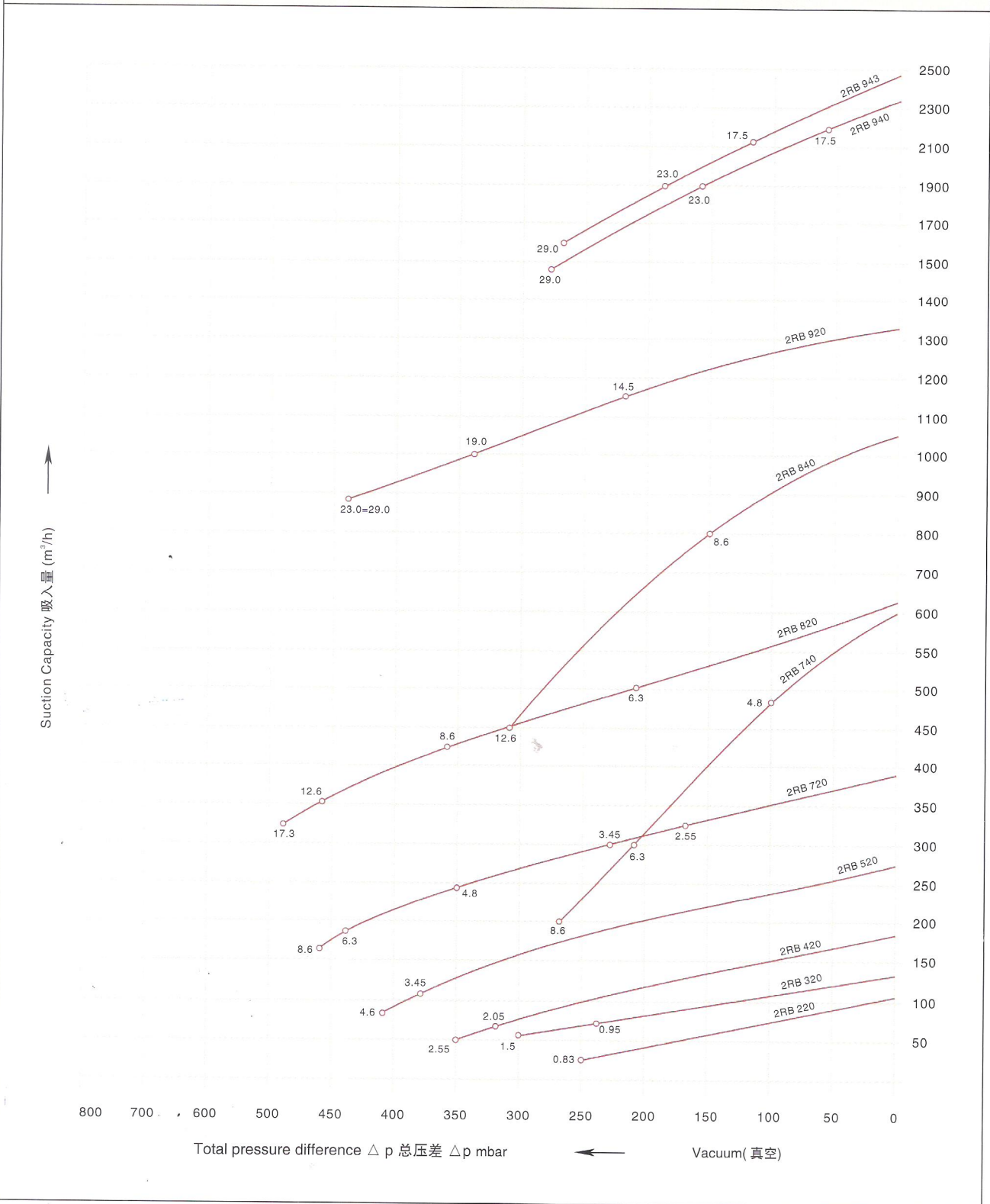




下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Vacuum Selection diagram 60Hz — 真空选型图表 60Hz

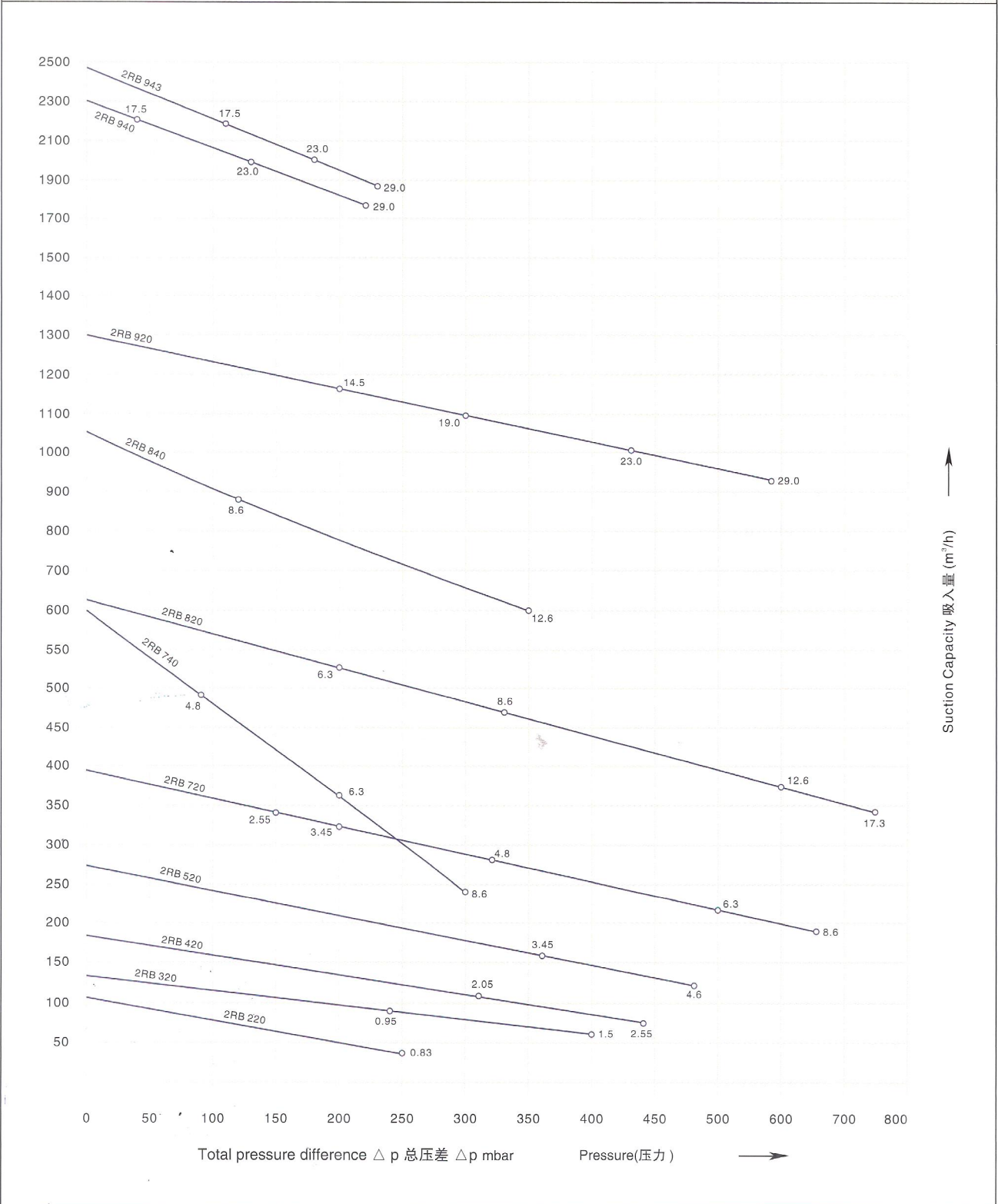




下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

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Pressure Selection diagram 60Hz—压力选型图表 60Hz





G 系列 · G-Series

漩涡式气泵在真空和压力操作的选型和订购参数。

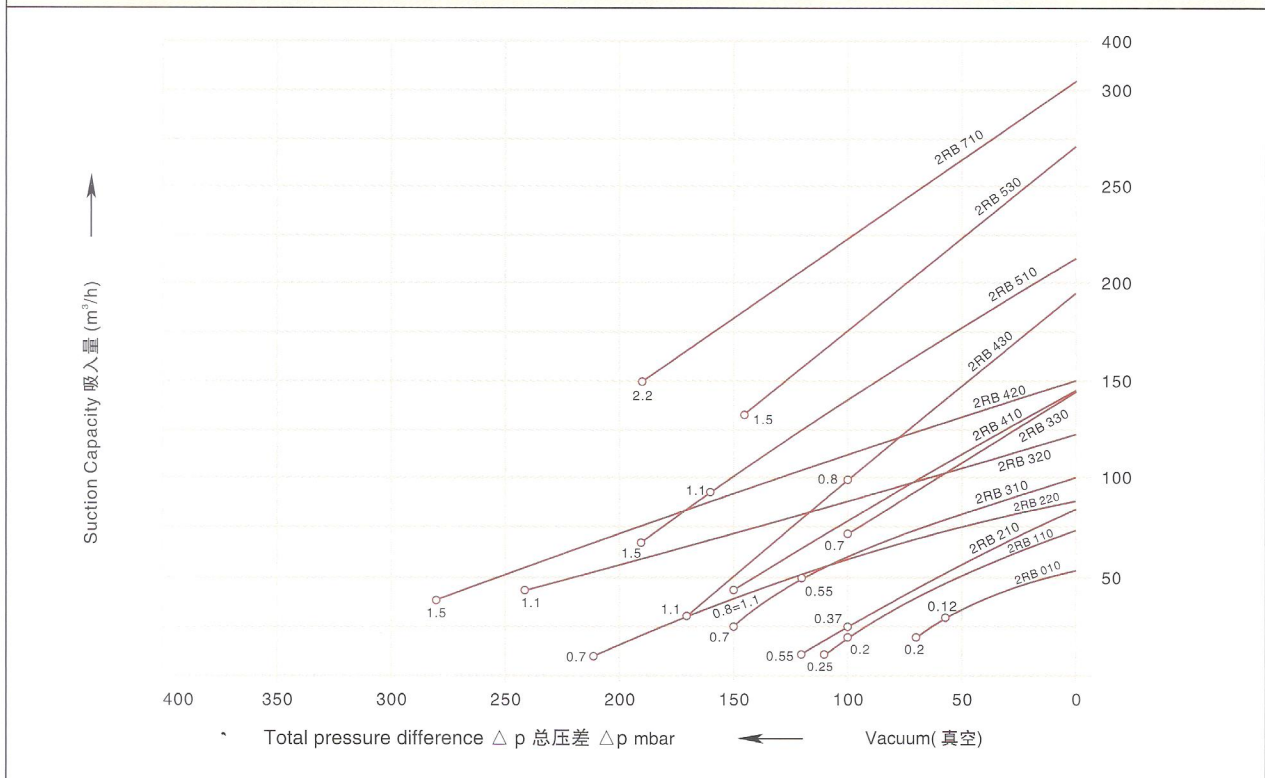
订购型号	马达				重量	噪音	最大流量	最高真空	最高压力	口径
	频率	额定								
		输出功率	电压	电流						
HZ	KW	V	A	KG	DB(A)	m <sup>3</sup> /h	mbar	mbar	inch	
Single stage										
· 2RB 010-7AA01	50	0.12	230V	1.2	5	46	55	-60	60	G1
	60	0.14	230V	1.3		48	68	-60	60	G1
· 2RB 010-7AA11	50	0.2	230V	1.5	6	46	55	-70	80	G1
	60	0.23	230V	1.6		48	68	-90	100	G1
· 2RB 110-7AA01	50	0.2	230V	1.5	7	48	70	-100	100	G1
	60	0.23	230V	1.6		50	84	-110	120	G1
· 2RB 110-7AA11	50	0.25	230V	1.7	8	48	70	-110	110	G1
	60	0.28	230V	1.9		50	84	-130	140	G1
· 2RB 210-7AA01	50	0.25	230V	1.7	9	53	80	-100	110	G1 <sup>1/4</sup>
	60	0.28	230V	1.9		56	98	-110	110	G1 <sup>1/4</sup>
· 2RB 210-7AA11	50	0.37	230V	2.7	11	53	80	-120	130	G1 <sup>1/4</sup>
	60	0.45	230V	3.2		56	98	-150	160	G1 <sup>1/4</sup>
· 2RB 310-7AA01	50	0.55	230V	3.7	13	55	100	-120	120	G1 <sup>1/4</sup>
	60	0.62	230V	4.5		57	120	-130	150	G1 <sup>1/4</sup>
· 2RB 310-7AA11	50	0.7	230V	4.8	14	55	100	-150	150	G1 <sup>1/4</sup>
	60	0.8	230V	4.1		57	120	-150	160	G1 <sup>1/4</sup>
· 2RB 330-7AA11	50	0.7	230V	4.8	15	56	145	-100	100	G1 <sup>1/4</sup>
	60	0.8	230V	4.1		58	165	-110	100	G1 <sup>1/4</sup>
· 2RB 410-7AA11	50	0.8	230V	5.2	15	63	145	-150	160	G1 <sup>1/2</sup>
	60	0.9	230V	5.8		64	175	-160	140	G1 <sup>1/2</sup>
· 2RB 410-7AA21	50	1.1	230V	7.3	16	63	145	-150	190	G1 <sup>1/2</sup>
	60	1.3	230V	8.3		64	175	-180	190	G1 <sup>1/2</sup>
· 2RB 430-7AA11	50	0.8	230V	5.2	16	64	180	-100	110	G1 <sup>1/2</sup>
	60	0.9	230V	5.8		66	210	-100	110	G1 <sup>1/2</sup>
· 2RB 430-7AA21	50	1.1	230V	7.3	17	64	180	-170	210	G1 <sup>1/2</sup>
	60	1.3	230V	8.3		66	210	-145	145	G1 <sup>1/2</sup>
· 2RB 510-7AA11	50	1.1	230V	7.3	21	64	210	-160	160	G2
	60	1.3	230V	8.3		70	255	-150	160	G2
· 2RB 510-7AA21	50	1.5	230V	9	24	64	210	-190	200	G2
	60	1.75	230V	10		70	255	-180	180	G2
· 2RB 530-7AA21	50	1.5	230V	9	26	65	270	-140	120	G2
	60	1.75	230V	10		71	330	-110	100	G2
· 2RB 710-7AA11	50	2.2	230V	12.8	31	72	318	-190	190	G2
	60	2.55	230V	12.8		74	376	-190	200	G2
Double stage										
· 2RB 220-7HA21	50	0.7	230V	4.5	15	55	88	-210	240	G1 <sup>1/4</sup>
	60	0.83	230V	5.6		61	103	-250	250	G1 <sup>1/4</sup>
· 2RB 320-7HA31	50	1.1	230V	7.3	17	58	120	-240	280	G1 <sup>1/4</sup>
	60	1.3	230V	8.3		60	145	-230	260	G1 <sup>1/4</sup>
· 2RB 420-7HA31	50	1.5	230V	9	26	66	150	-280	290	G1 <sup>1/2</sup>
	60	1.75	230V	10		69	180	-250	280	G1 <sup>1/2</sup>



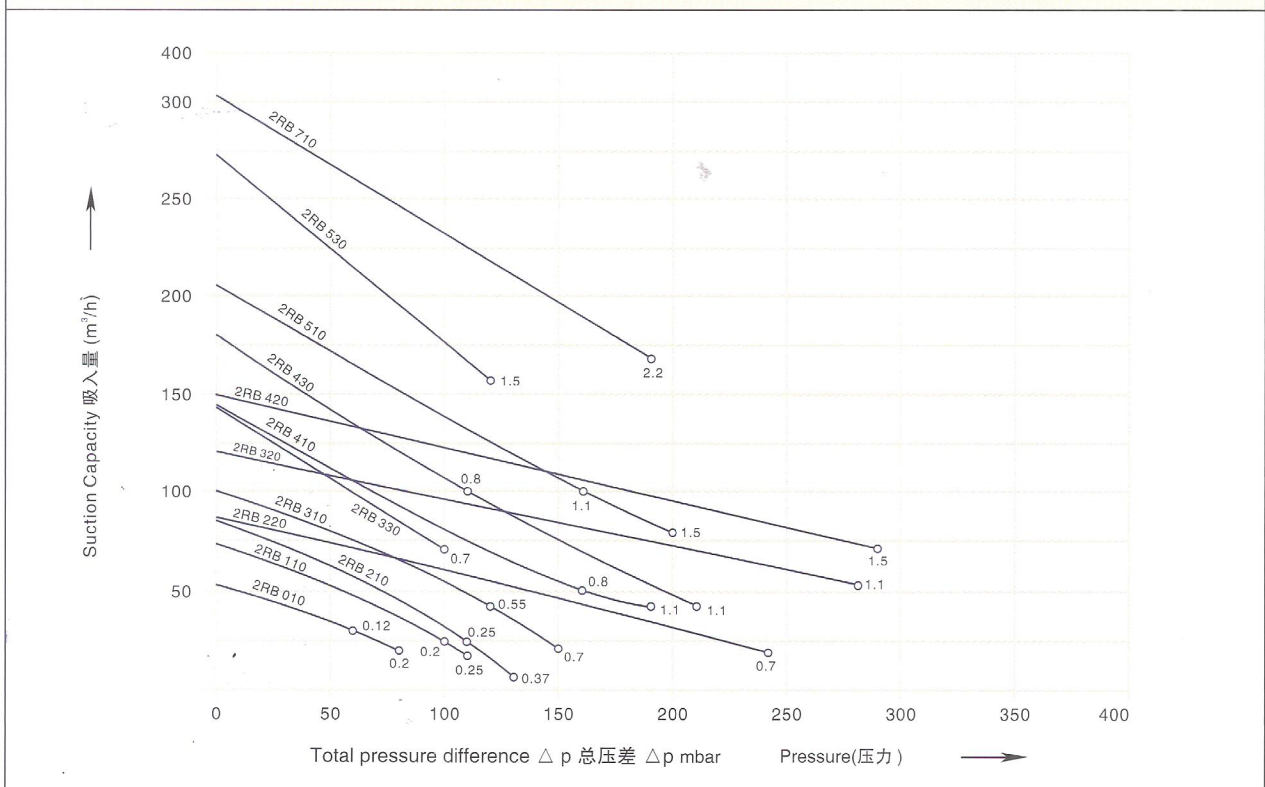
下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

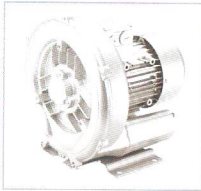
The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C.

Vacuum Selection diagram 50Hz—真空选型图表 50Hz



Pressure Selection diagram 50Hz—压力选型图表 50Hz

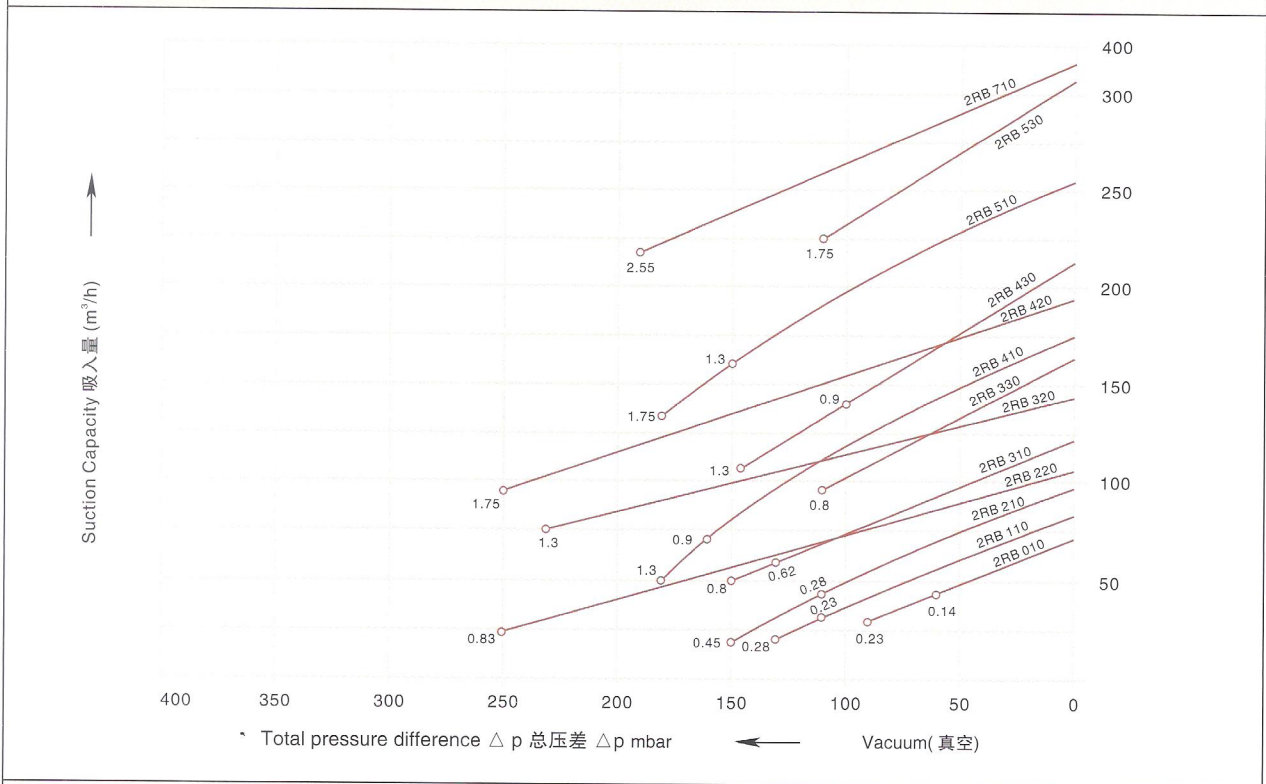




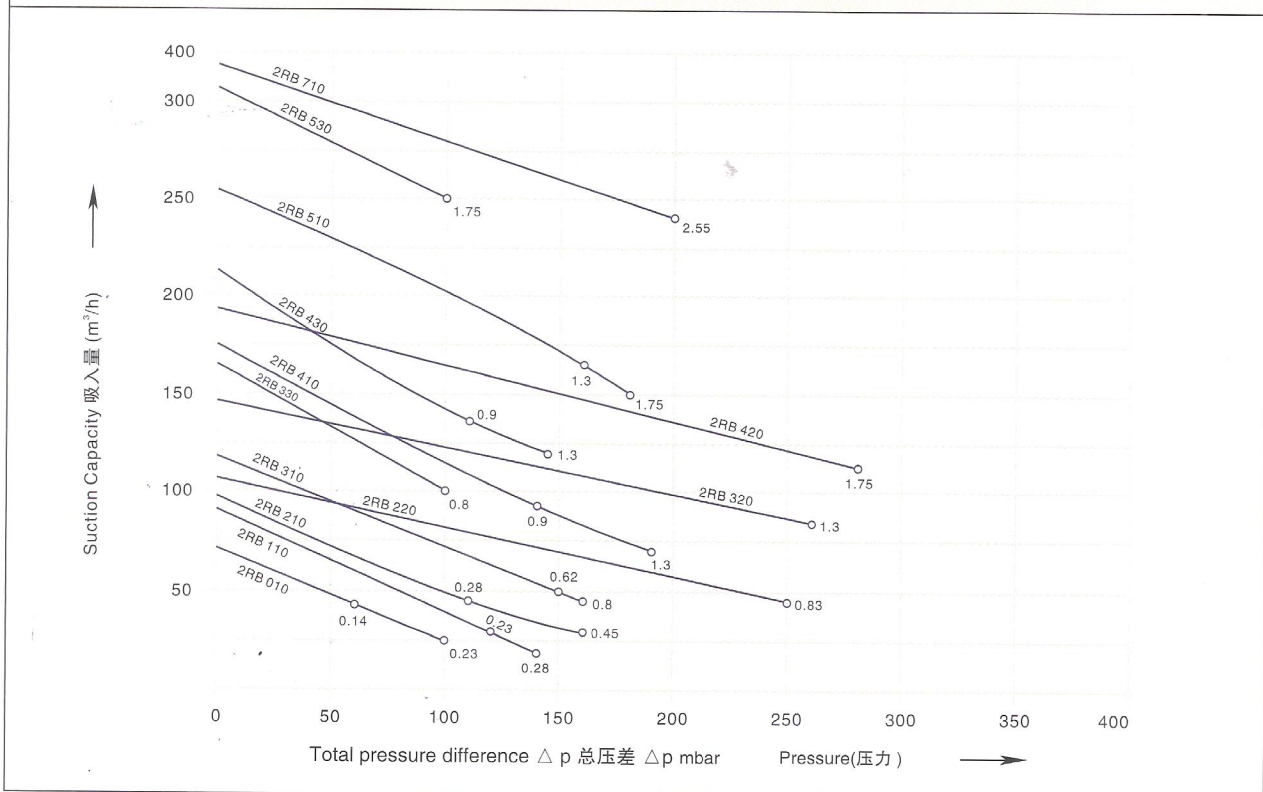
下面的性能曲线是在抽吸15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。

The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C.

Vacuum Selection diagram 60Hz—真空选型图表 60Hz



Pressure Selection diagram 60Hz—压力选型图表 60Hz





# 换算表 Conversion tables



压力换算表 Pressure

初始单位 Beginning units	换算因子 Conversion factor	目标单位 Resulting units
Pa	0.01	Mbar
hPa	1.0	mbar
kPa	10.0	mbar
mm H <sub>2</sub> O	0.098	mbar
m H <sub>2</sub> O	98.07	mbar
at	980.7	mbar
inch H <sub>2</sub> O	2.491	mbar
PSI lpt/in <sup>2</sup>	68.948	mbar
mbar	100	Pa
mbar 1	10.2	mm H <sub>2</sub> O
mbar	10.2 · 10 <sup>-3</sup>	m H <sub>2</sub> O
mbar	1.02 · 10 <sup>-3</sup>	at
mbar	0.4016	inch H <sub>2</sub> O
mbar	14.505 · 10 <sup>-3</sup>	PSI lpt/in <sup>2</sup>

换算举例

250[inch H<sub>2</sub>O] · 2.491=622.5[mbar]

下面的公式用来把“以水银柱高度度量的真空度”换算成“绝对压力”  
1013-x[inches of mercury vacuum] · 33.8≈Y[mbar abs.]

绝对压力

绝压是以理想真空（绝压为零）为基准而得到的测量值。所以绝压总是比参考值大。

表压

表压是指高于标准大气压压力的测量值。即以标准大气压为基准。因此实际测量值总是比基准值大。

真空度

真空度是指低于标准大气压压力的测量值。测量基准仍为标准大气压，所以实际测量值总比基准值小。

Example of conversion

250[inch H<sub>2</sub>O]·2.491=622.5[mbar]

The following formula is used to convert values from “inches of mercury vacuum” to “mbar abs.”

1013-x[inches of mercury vacuum]·33.8≈Y[mbar abs.]

Absolute pressure

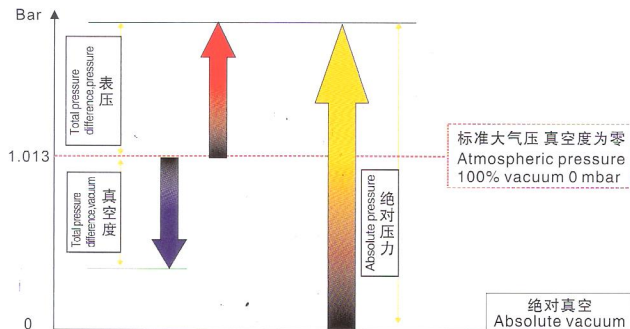
The pressure measured from absolute zero, using ideal vacuum as the datum. The measured pressure is always greater than the reference pressure.

Total pressure difference, pressure

The pressure measured above the prevailing atmospheric pressure. The datum is the prevailing atmospheric pressure and the measured pressure is always higher than the datum.

Total pressure difference, vacuum

The pressure measured lower than the prevailing atmospheric pressure. The datum is the prevailing atmospheric pressure and the measured pressure is always lower than the datum.



抽吸能力换算表 Suction capacity

初始单位 Beginning units	换算因子 Conversion factor	目标单位 Resulting units
l/min	0.06	m <sup>3</sup> /h
gal/min	0.227	m <sup>3</sup> /h
ft <sup>3</sup> /min	1.699	m <sup>3</sup> /h
m <sup>3</sup> /h	16.667	l/min
m <sup>3</sup> /h	4.403	gal/min
m <sup>3</sup> /h	0.588	ft <sup>3</sup> /min

功率换算表 Electrical power

初始单位 Beginning units	换算因子 Conversion factor	目标单位 Resulting units
hp	0.746	kW
btu/h	293.1	kW
kW	1.341	hp
kW	3.41 · 10 <sup>-3</sup>	Btu/h

重量换算表 Weight

初始单位 Beginning units	换算因子 Conversion factor	目标单位 Resulting units
lbm	0.454	kg
kg	2.205	lbm

长度换算表 Length

初始单位 Beginning units	换算因子 Conversion factor	目标单位 Resulting units
in.	25.4mm	
in.	0.0254	m
ft	305	mm
ft	0.305	m
m	39.37	in.
m	3.28	f

温度换算表 Temperature conversion

换算 Conversion		
自 from	至 to	
°F	K	$T [k] = \frac{T [°F] + 459.67}{1.8}$
°F	°C	$t [°C] = \frac{T [°F] - 32}{1.8}$
K	°F	$t [°F] = 1.8 \cdot T [K] - 459.67$
°C	°F	$t [°F] = 1.8 \cdot t [C] + 32$



50Hz 电压 Voltages at 50 Hz				
2RB...-...□.□				
<b>3相 3-phase</b>				
185-225 V Δ /320-390VY	H	1	CUL	US
200-240 V Δ /345-415VY	H	6	CUL	US
345-415 V Δ	H	7	CUL	US
500V Δ	C	5	CUL	US
<b>单相 1-phase</b>				
115/230 V	V	5	CUL	US
230 V	A	1		
60Hz 电压 Voltages at 60 Hz				
<b>3相 3-phase</b>				
200-240 V Δ /345-415VY	H	1	CUL	US
220-275 V Δ /380-480VY	H	6	CUL	US
380-480 V Δ	H	7	CUL	US
575 V Δ	C	5	CUL	US
<b>单相 1-phase</b>				
115/230 V	V	5	CUL	US
230 V	A	1		
ATEX 认证 3相电压 Voltages 3-phase ATEX				
50Hz.类 3D.3G.3/2D 50Hz.categories 3D.3G.3/2D				
230 V Δ /400VY	D	1		
500 V Δ	D	5		
400 V Δ /690VY	D	6		
50Hz.类 3/2G 50Hz.categories 3/2G				
230 V Δ /400VY	D	1		
500 V Δ	D	5		
400 V Δ /690VY	D	6		
60Hz.类 3D.3G.3/2D 60Hz.categories 3D.3G.3/2D				
460 V Δ	D	1		
575 V Δ	D	5		
460 VY	D	6		
60Hz.类 3/2G 60Hz.categories 3/2G				
460 V Δ	G	1		
575 V Δ	G	5		
440 VY	G	6		

脚注:

- 1、表面声强势根据EN216801在1米处的距离测量的，这时泵被扼至适中的进口压力，软管连接排气侧，抽吸侧未装真空卸荷阀。
- 2、针对选型的订购信息，参看附件一套。阀门的极限压力是以25℃的环境温度为基础，并与冷却介质有关。
- 3、对于2RB1 943型，只有立式安装形式。
- 4、允差：电机符合DIN EN 60 034/DIN IEC 34-1标准，绝缘等级F。

三相:

固定电压 +10%  
 宽压 +5%  
 美国标准 (UL) 和加拿大标准 (CSA) 分别为10%/+6%

单相:

固定电压 +5%  
 在连续工作条件下，若只有用到最大工作压力的90%，那么电压的允差可增至 ±10  
 美国标准 (UL) 和加拿大标准 (CSA) 分别为10%/+6%  
 频率 ±2%  
 我们的所有电机符合国际电工委员会标准及所引用的欧洲标准。此标准用以下替换下列成员国的国家标准：

- 德国 VDE标准
- 法国 NFC标准
- 比利时 NBNC标准
- 英国 Bs标准
- 意大利 CEI标准
- 荷兰 NEN标准
- 瑞典 Ss标准
- 瑞士 SEV标准

我们的产品也符合很多国家的国家标准。  
 以下标准也符合IEC60034-1标准，因此相应的电机也可直接在标准条件下使用。

- UL 1004-1 美国
- CS A22.2.No.113 加拿大
- IS 325 印度
- IS 4722
- NEK\_IEC 60034-1 挪威

Footnotes:

- 1、Measuring surface sound-pressure level acc.to EN 216801, measured at a distance of 1 m. The pump is throttled to medium inlet pressure. a hose is connected to the discharge side, and a vacuum-relief valve is not fitted.
- 2、For selection and ordering information, see accessories. The pressure limits of the valves are based on a cooling agent and ambient temperature of 25.
- 3、For 2RB1 943, only mounting on the end-casing is possible.
- 4、Tolerances: the motors comply with DIN EN60 034/DIN IEC 34-1 and Insulation class F.

Three-phase:

fixed voltages incl. ATEX +10%  
 voltage range +5%  
 in compliance with UL and CSA 10%/+6%

Single-phases:

Fixed voltages: +5%  
 If during continuous operation only 90% of the maximum end pressure is used, the admissible tolerance increases to +/-10%. In compliance with UL and

Frequency: +2%

The motors comply with the IEC and European norms quoted. The European norms replace the national norms of the following member states: Germany (VDE), France (NFC), Belgium (NBNC), Great Britain (BS), Italy (CEI), Netherlands (NEN), Sweden (SS), Switzerland (SEV) and others. The machines also comply with various national norms.

The following norms have been adapted to the publications IEC 60 034-1 and the motors can be used at standard rated performance:

- UL 1004-1 USA
- CS A22.2.No.113 Canada
- IS 325 India
- IS 4722
- NEK\_IEC 60034-1 Norway

