

# U - type BLOWER

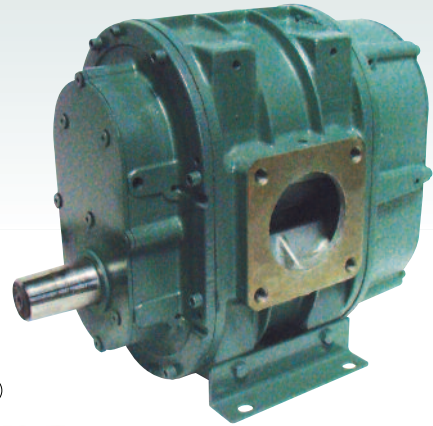
## 제품특징

사용범위가 넓으며 높은 압력(1.2bar)에서도 원활한 운전이 가능하도록 설계되어 내구성이 우수하며, 구성부품을 통일하여 고객의 다양한 요구사항을 충족할 수 있는 제품으로 설계된 차세대 주력 제품입니다.

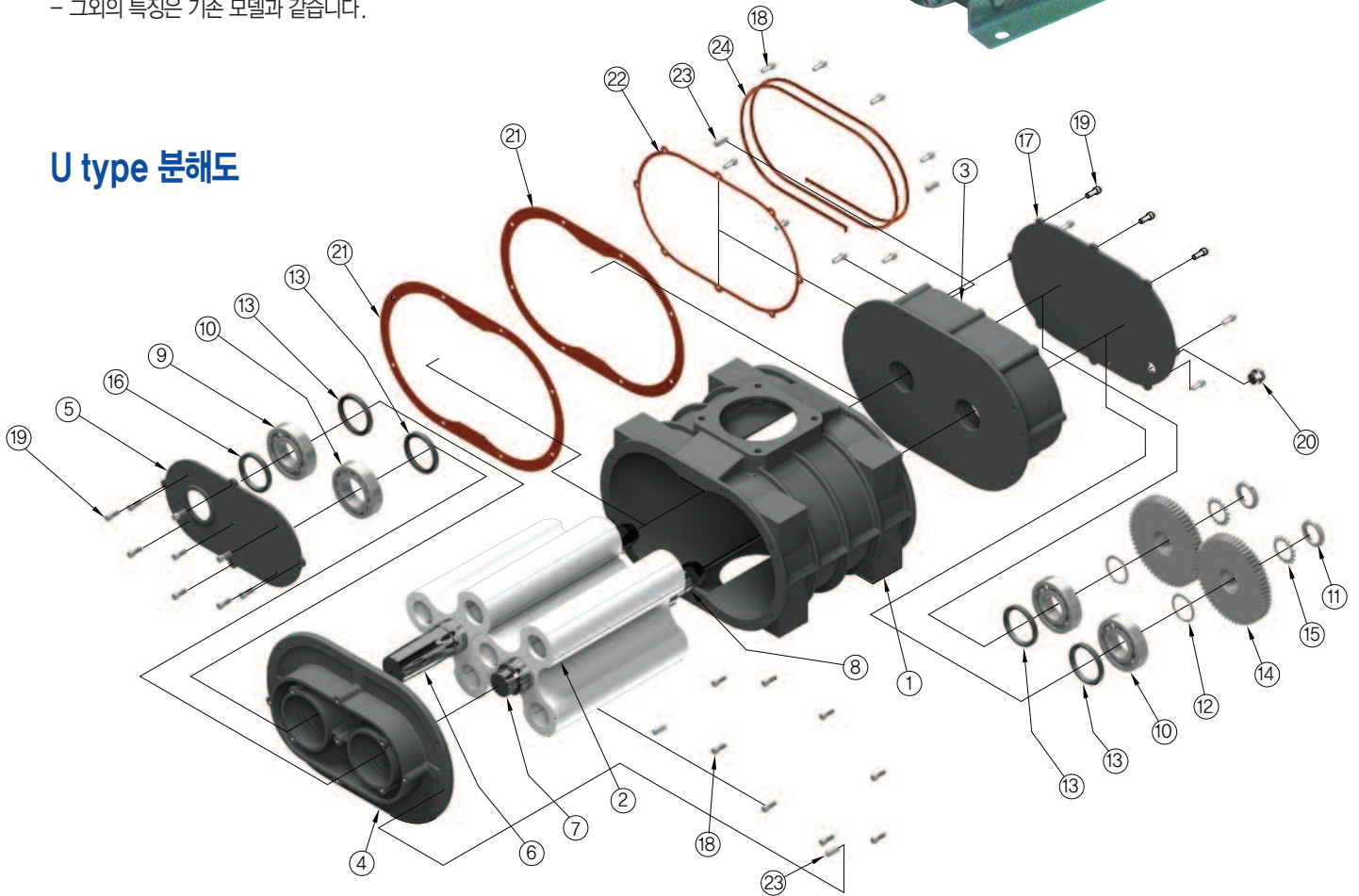
- 케이싱 : 주철을 재료로 하며 유체흐름은 수평과 수직으로 흐르는 구조로 되어 있으며, 소음을 줄이고 효율을 높이기 위한 구조로 되어있습니다. 흡입·토출 규격이 KS10k, FF 에 상당하는 플랜지로 되어 있습니다.
  - 사이드 커버 : 베어링을 지지하고, 조립때 발생하는 누적 공차를 제거하기 위해 구성부품 배열을 단순화 하였으며 수냉식과 공냉식을 공용으로 사용됩니다.
  - 간단한 구조로 분해와 조립이 용이하며 유지관리 비용이 절약 됩니다.
- 그외의 특징은 기존 모델과 같습니다.

## 설계 및 구조의 특징

1. 수평 수직 방향의 유체흐름
2. 단일 구성부품 사용
3. 구성 부품 배열을 단순화



## U type 분해도



No.	DESCRIPTION	MATERIAL	No.	DESCRIPTION	MATERIAL	No.	DESCRIPTION	MATERIAL	No.	DESCRIPTION	MATERIAL
1	CASING	GC200	7	DRIVEN SHAFT (P/S)	SM45C	13	OIL SEAL	SILICON	19	HOLLOW HEX. BOLT	SM30C
2	IMPELLER	GC250	8	SHAF(G/S)	SM45C	14	GEAR	SCM415	20	OIL LEVEL GAUGE	AL
3	SIDE COVER(G/5)	GC200	9	BEARING	STB	15	LOCK WASHER	SS400	21	GASKET(SIDE COVER)	PAPER
4	SIDE COVER(P/S)	GC200	10	BEARING	STB	16	OIL SEAL	RUBBER	22	GASKET(GEAR COVER)	PAPER
5	BEARING COVER	SS400	11	LOCK NUT	SM30C	17	GEAR COVER	GC200	23	LOCK PIN	SM55C
6	DRIVING SHAFT(P/S)	SM45C	12	SNAP RING	SK5	18	HOLLOW HEX. BOLT	SM30C	24	COOLING COIL	COPPER

• 11, 15부품은 200A 이상부터 사용됩니다. • 14번 기어는 50, 65는 스퍼 80~150헬리컬, 200 이상은 스퍼입니다. • 24번은 수냉식일때 사용됩니다.

### 압송식 블로어 풍량표

구경 (mm)	회전수 (rpm)	흡입풍량(Qs) [m³/min], 축동력(La) [kW]																							
		0.1kg/cm² (9.8kPa)		0.2kg/cm² (19.6kPa)		0.3kg/cm² (29.4kPa)		0.4kg/cm² (39.2kPa)		0.5kg/cm² (49kPa)		0.6kg/cm² (58.8kPa)		0.7kg/cm² (68.6kPa)		0.8kg/cm² (78.5kPa)		0.9kg/cm² (88kPa)		1.0kg/cm² (98kPa)		1.1kg/cm² (108kPa)		1.2kg/cm² (118kPa)	
		Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)	Qs (m³/min)	La (kW)
50	1240	1.5	0.7	1.3	1.1	1.2	1.4	1.0	1.7	0.9	2.0	0.7	2.3												
	1450	1.8	0.9	1.6	1.2	1.5	1.6	1.3	1.9	1.2	2.3	1.0	2.7												
	1750	2.3	1.0	2.1	1.5	1.9	2.0	1.8	2.4	1.6	2.9	1.5	3.3												
65	1240	2.0	1.0	1.7	1.4	1.5	1.7	1.3	2.1	1.2	2.4	1.0	2.6												
	1450	2.4	1.1	2.1	1.6	1.9	2.0	1.7	2.4	1.5	2.9	1.4	3.4												
	1750	3.1	1.3	2.8	1.9	2.5	2.5	2.3	3.2	2.1	3.9	2.0	4.6												
80	1150	3.8	1.9	3.4	2.4	3.0	3.0	2.7	3.7	2.5	4.3	2.2	4.9	2.0	5.4	1.8	6.0	1.6	6.6	1.5	7.1	1.3	7.6	1.2	8.1
	1300	4.5	2.1	4.1	2.7	3.7	3.4	3.4	4.3	3.1	5.1	2.9	5.8	2.7	6.6	2.5	7.5	2.4	8.3	2.2	9.1	2.0	9.9	1.9	11.1
	1450	5.2	2.3	4.8	2.9	4.4	3.9	4.1	4.9	3.8	5.8	3.6	6.8	3.4	7.8	3.2	8.8	3.1	9.9	2.9	11.0	2.8	12.2	2.7	13.5
	1500	5.4	2.4	5.0	3.0	4.6	4.0	4.3	5.0	4.0	6.0	3.8	7.0	3.6	8.1	3.4	9.1	3.2	10.3	3.1	11.4	2.9	12.6	2.8	13.9
	1750	6.6	2.7	6.2	3.5	5.8	4.7	5.5	6.0	5.3	7.2	5.0	8.4	4.8	9.7	4.6	11.0	4.4	12.3	4.3	13.5	4.1	15.0	3.9	16.5
	2040	8.0	3.0	7.6	4.0	7.1	5.3	6.8	6.8	6.4	8.1	6.1	9.5	5.9	10.8	5.7	12.4	5.5	13.8	5.3	15.3	5.1	16.9	4.9	18.5
100	1150	5.1	2.3	4.7	3.1	4.4	4.1	4.0	5.1	3.8	6.2	3.5	7.3	3.3	8.3	3.1	9.5	2.9	10.6	2.7	11.6	2.6	12.8	2.4	14.2
	1450	6.9	2.7	6.5	3.8	6.1	5.1	5.8	6.5	5.5	7.8	5.2	9.2	5.0	10.6	4.8	12.0	4.6	13.3	4.4	15.0	4.3	16.6	4.1	18.4
	1500	7.2	2.8	6.7	3.9	6.4	5.2	6.0	6.7	5.7	8.0	5.5	9.5	5.2	10.9	5.1	12.4	4.8	13.8	4.7	15.4	4.5	17.0	4.3	18.9
	1750	8.6	3.2	8.2	4.4	7.9	6.1	7.5	7.7	7.2	9.4	6.9	11.0	6.6	12.7	6.3	14.3	6.1	16.0	5.8	17.8	5.7	19.7	5.5	21.6
2040	10.4	3.6	9.9	5.0	9.5	6.8	9.2	8.7	8.8	10.6	8.4	12.4	8.1	14.2	7.8	16.0	7.5	17.8	7.2	19.6	7.0	21.6	6.8	23.7	
	1180	13.7	4.7	12.9	6.8	12.2	9.2	11.6	11.7	11.2	14.3	10.8	17.0	10.4	19.5	10.0	22.2	9.8	25.1	9.5	28.0	9.3	30.9	9.1	34.0
125	1470	17.7	5.9	16.9	8.5	16.3	11.6	15.7	14.8	15.2	18.1	14.7	21.3	14.3	24.7	14.0	28.1	13.7	31.7	13.4	35.2	13.1	38.6	12.9	42.5
	1750	21.6	7.0	20.8	9.8	20.1	13.6	19.6	17.4	19.1	21.3	18.6	25.1	18.3	29.0	17.9	33.0	17.6	37.2	17.3	41.3	17.0	45.5	16.8	49.9
	1940	24.3	7.5	23.7	10.8	23.2	14.9	22.6	19.1	22.1	23.5	21.7	27.8	21.4	32.2	21.0	36.6	20.7	41.2	20.3	45.8	20.1	50.7	19.8	55.4
150	1180	22.9	7.2	21.8	10.8	21.0	14.7	20.3	18.9	19.6	23.3	18.9	27.5	18.3	32.0	17.8	36.1	17.1	40.0	16.6	44.1	16.0	48.5	15.6	52.8
	1470	29.3	8.9	28.2	13.2	27.3	18.1	26.5	23.3	25.8	28.7	25.1	33.8	24.5	39.1	23.9	44.2	23.4	49.7	22.8	54.9	22.3	59.8	21.8	65.4
	1750	35.8	10.3	34.7	15.5	33.6	21.2	32.8	27.4	32.1	33.7	31.6	40.0	30.9	46.0	30.3	52.0	29.7	58.3	29.2	64.5	28.6	70.8	28.1	76.9
	1940	40.3	11.2	39.4	16.9	38.5	23.3	37.7	30.2	37.0	37.0	36.4	43.9	35.7	50.7	35.2	57.5	34.7	64.7	34.3	71.6	33.8	78.9	33.4	86.3
	880	42.3	11.3	40.6	19.0	39.3	26.3	38.3	33.9	37.3	41.5	36.4	49.3	35.4	57.1	34.6	65.3	33.8	73.6	33.1	82.1	32.3	91.4	31.5	101
	970	47.1	12.3	45.5	20.6	44.3	28.9	43.2	37.4	42.1	45.7	41.2	54.4	40.2	63.0	39.4	71.9	38.5	81.2	37.8	90.8	37.0	101	36.2	112
200	1100	54.2	14.0	52.8	23.1	51.4	32.3	50.3	42.3	49.3	52.1	48.3	61.7	47.3	71.5	46.2	81.2	45.4	91.9	44.5	102	43.7	114	42.9	126
	1180	58.5	15.1	56.9	24.7	55.5	34.6	54.3	45.2	53.2	55.7	52.1	66.0	51.0	76.6	50.0	87.2	49.2	98.6	48.2	110	47.3	122	46.4	135
	1470	74.2	18.3	72.0	30.6	70.5	43.2	68.9	56.2	67.6	69.5	66.5	82.7	65.3	95.8	64.1	109	63.0	122	62.1	137	61.1	152	60.0	168
	1750	89.5	21.5	87.2	36.4	85.3	51.5	83.7	67.2	82.3	82.9	81.1	98.5	79.8	115	78.6	130	77.3	146	76.2	163	75.2	180	74.2	199
250	880	87.1	22.9	85.1	36.8	82.9	52.2	81.1	68.5	79.5	84.6	78.0	100	76.7	116	75.3	131	74.0	147	72.7	162	71.3	177	70.0	193
	980	95.3	25.3	93.1	40.8	94.1	58.2	92.1	76.3	90.5	94.2	89.0	112	87.5	129	86.2	146	84.9	163	83.5	180	82.3	197	80.9	214
	1150	118	29.7	115	48.1	112	68.6	110	89.9	108	110	106	131	105	151	103	170	102	190	100	209	98.7	228	97.1	246
1280	133	33.0	130	53.9	127	76.6	125	100	123	123	121	145	119	167	118	188	116	209	115	231	113	259	112	273	
300	730	105	28.6	102	44.5	99.6	62.8	97.2	82.4	95.2	102	93.5	122	91.8	141	90.0	161	88.4	181	87.0	202	85.4	223	84.0	245
	800	117	30.5	114	48.4	111	68.6	109	89.7	107	111	104	133	103	154	101	175	99.5	197	98.3	219	96.8	243	95.4	267
	880	130	33.4	127	52.4	124	74.7	121	97.6	119	121	117	144	115	168	114	191	112	215	111	239	109	264	108	290
	980	146	37.0	143	57.6	140	81.9	138	108	135	134	133	160	132	186	130	212	128	238	127	265	125	292	124	319
	1150	176	43.2	172	67.0	169	96.1	166	127	163	157	161	186	159	215	157	245	155	275	154	305	152	335	151	367
350	580	177	52	173	76	170	107	167	140	163	173	160	205	157	236	154	268	152	300	150	334	147	369	145	404
	650	204	58	199	84	195	119	191	155	188	191	185	226	182	260	179	297	177	332	175	369	172	408	170	447
	700	227	62	221	90	216	128	212	168	209	206	205	245	203	283	200	321	198	361	195	399	193	438	191	479
	750	248	66	242	97	236	137	232	179	228	220	225	261	222	302	220	343	217	383	215	426	213	468	211	509
800	270	70	263	102	257	146	253	190	249	234	245	277	242	320	240	363	237	407	234	449	232	491	231	537	
400	580	197	57	193	82	190	113	186	148	182	184	178	219	174	253	171	287	168	319	165	353	162	387	159	421
	650	227	63	223	92	218	129	214	169	210	209	207	249	203	287	200	324	196	362	192	397	190	435	187	472
	700	250	67	245	98	240	138	236	183	232	227	229	269	225	311	221	350	218	390	215	428	211	466	208	505
	750	274	71	268	106	263	148	258	196	254	243	250	289	246	333	242	375	238	416	236	458	232	500	229	542
	800	298	75	291	113	285	158	281	209	276	259	271	305	267	352	264	398	260	442	257	486	254	529	251	570
500	580	297	85	291	120	285	168	280	221	274	274	269	326	264	378	259	428	255	476	250	525	245	574	240	624
	600	313	88	307	126	301	177	295	231	290	288	285	344	280	397	275	450	270	502	266	554	261	606	256	659
	650	346	95	338	136	332	190	325	250	320	309	314	368	309	427	305	484	300	541	295	596	291	651	286	708
	700	381	101	371	146	364	205	357	269	351	332	346	396	339	457	334	517	329	578	324	637	319	697	315	757
	750	417	107	406	155	396	219	389	287	383	353	377	420	371	485	365	550	360	614	354	677	350</			

# U – type BLOWER

## UK TYPE Positive Displacement Blower (V-Belt Type)

MARK	DESCRIPTION	Q'TY
1	BLOWER	1
2	MOTOR	1
3	BED SILENCER	1
4	BLOWER PULLEY	1
5	MOTOR PULLEY	1
6	V-BELT	1SET
7	BELT COVER	1
8	SUCTION SILENCER	1
9	PRESSURE GAUGE	1
10	SAFETY VALVE	1

모델	차수	A	B	C	D	E	F	G	H	I	J	K	L	M	N
SUK050		151	175	80	455	32.5	95	520	559	167	218	130	130	360	25
SUK065		172	196	90	475	32.5	125	540	575	167	218	130	130	360	25
SUK/HUK080		240	203	120	620	40	40	700	635	170	240	145	145	370	25
SUK/HUK100		280	225	120	690	40	70	770	655	160	240	145	145	370	25
SUK/HUK125		380	275	140	900	50	80	1000	862	200	350	220	220	550	30
SUK/HUK150		460	355	150	900	50	80	1000	923	230	371	220	220	550	30

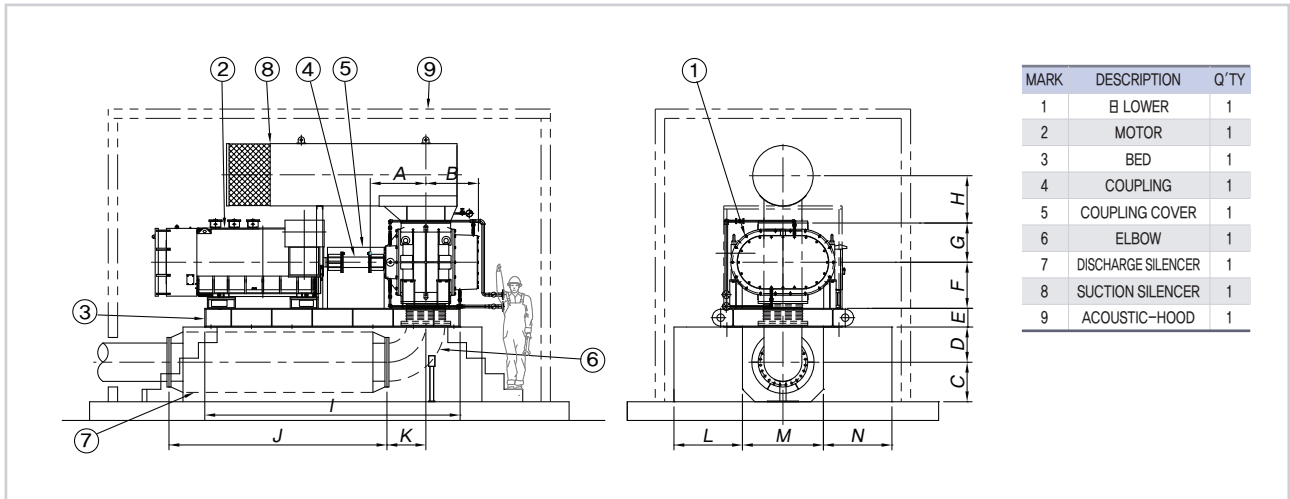
- SU050, SU065 모델의 토출 끝단 플랜지 규격은 KS 5K.FF이며, 그 외 모델의 플랜지 규격은 KS 10K.FF입니다.
- 차수표의 차수는 성능향상을 위해 예고없이 변경될 수 있습니다.

MARK	DESCRIPTION	Q'TY
1	BLOWER	1
2	MOTOR	1
3	BED	1
4	BLOWER PULLEY	1
5	MOTOR PULLEY	1
6	V-BELT	1SET
7	BELT COVER	1
8	SUCTION SILENCER	1
9	PRESSURE GAUGE	1
10	SAFETY VALVE	1

모델	차수	A	B	C	D	E	F	G	H	I	J	K	L
SUK/HUK200		570	429	210	215	150	500	1400	1480	1500	640	700	826
SUK/HUK250		660	516	250	264	200	680	1550	1745	1700	680	750	1055
SUK300		730	590	280	314	200	800	1800	1900	1900	720	800	1198
SUK350		840	730	300	355	200	1000	1900	2340	2100	880	960	1385

- 모델의 플랜지 규격은 KS 10K.FF 입니다.
- 차수표의 차수는 성능향상을 위해 예고없이 변경될 수 있습니다.

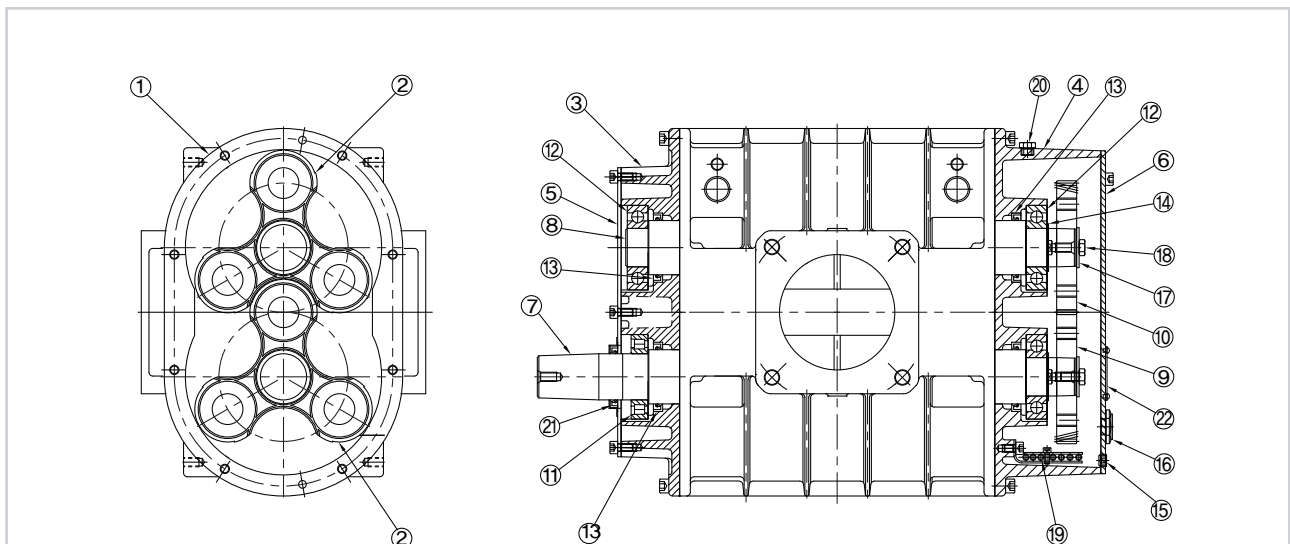
## UK TYPE Positive Displacement Blower (Coupling Type)



모델	치수	A	B	C	D	E	F	G	H	I	J	K	L	M	N
SUK400		835	820	530	490	250	650	530	600	3600	3400	420	900	1000	900
SUK500		1010	920	580	510	250	650	530	600	4000	3400	515	900	1000	900
SUK600		893	844	635	566	300	740	630	760	4100	3500	625	1100	1300	1100
SUK700		1032	980	650	580	300	740	630	810	4350	3500	730	1100	1300	1100

- 모델의 플랜지 규격은 KS 10K, FF 입니다.
- 치수표의 치수는 성능향상을 위해 예고없이 변경될 수 있습니다.

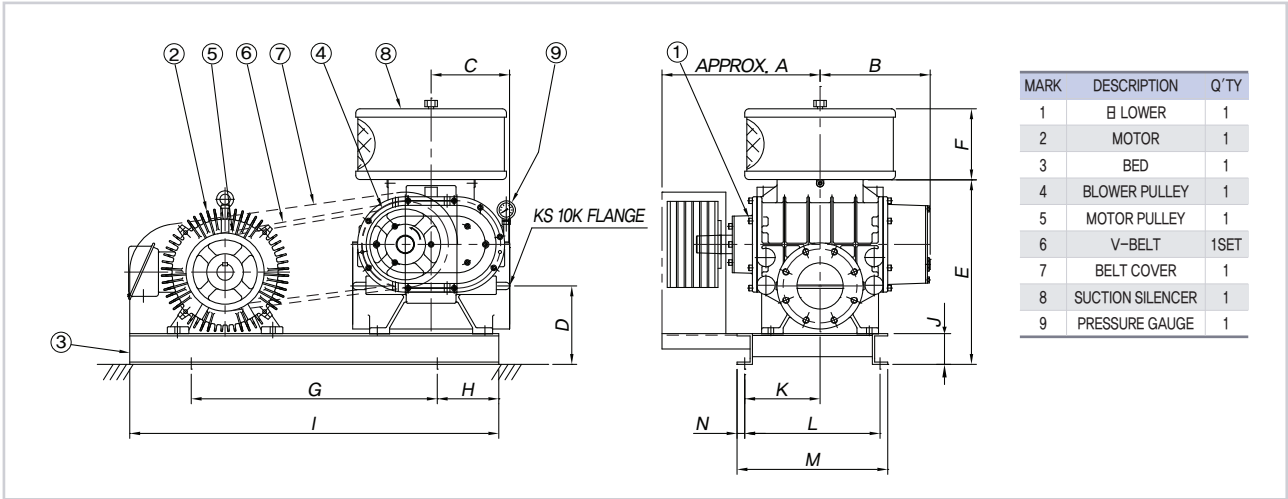
## UK TYPE Sectional Drawing



MARK	DESCRIPTION	Q'TY	MARK	DESCRIPTION	Q'TY	MARK	DESCRIPTION	Q'TY	No.	DESCRIPTION	Q'TY
1	CASING	1	7	DRIVING SHAFT	1	13	OIL SEAL	4	19	COPPER PIPE	1SET
2	ROTOR	2	8	DRIVEN SHAFT	1	14	SNAP RING	2	20	AIR VENT	1
3	SIDE COVER(P/S)	1	9	DRIVING GEAR	1	15	PLUG BOLT	1	21	OIL SEAL	1
4	SIDE COVER(G/S)	1	10	DRIVEN GEAR	1	16	OIL LEVEL GAUGE	1	22	NAME PLATE	1
5	BEARING COVER	1	11	ROLLER BEARING	1	17	PLANE WASHER	2			
6	GEAR COVER	1	12	BALL BEARING	3	18	HEXAGON BOLT	2			

# U – type BLOWER

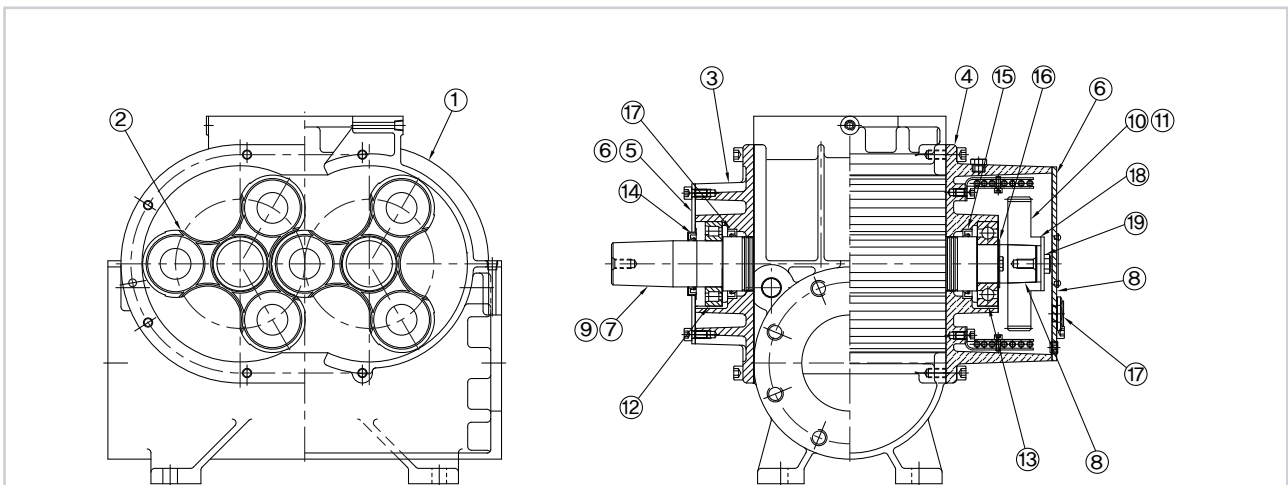
## UT TYPE Positive Displacement Blower (V—Belt Type)



모델	차수	A	B	C	D	E	F	G	H	I	J	K	L	M	N
SUT/HUT080		294	202	188	200	430	140	600	150	900	75	135	360	400	20
SUT/HUT100		315	225	188	210	455	160	600	150	900	75	165	400	440	20
SUT/HUT125		400	278	256	255	576	200	800	200	1200	100	195	440	490	25
SUT/HUT150		514	358	255	255	600	230	800	200	1200	100	245	440	490	25
SUT/HUT200		570	429	355	300	730	400	1050	250	1550	125	270	640	700	30
SUT/HUT250		660	516	472	385	989	400	1600	150	1900	150	255	570	640	35
SUT300		730	590	520	385	1145	500	1800	200	2200	200	370	740	820	40
SUT350		840	730	695	485	1390	500	2100	200	2500	200	490	920	1000	40

- SU050, SU065 모델의 토출 끝단 플랜지 규격은 KS 5K, FF이며, 그 외 모델의 플랜지 규격은 KS 10K, FF입니다.
- 차수표의 차수는 성능향상을 위해 예고없이 변경될 수 있습니다.

## UT TYPE Sectional Drawing



MARK	DESCRIPTION	Q'TY	MARK	DESCRIPTION	Q'TY	MARK	DESCRIPTION	Q'TY	No.	DESCRIPTION	Q'TY
1	CASING	1	6	GEAR COVER	1	11	DRIVEN GEAR	1	16	SNAP RING	2
2	ROTOR	2	7	DRIVING SHAFT	1	12	ROLLER BEARING	1	17	OIL LEVEL GAUGE	1
3	SIDE COVER(P/S)	1	8	SHAFT(G/S)	2	13	BALL BEARING	3	18	PLANE WASHER	2
4	SIDE COVER(G/S)	1	9	DRIVEN SHAFT(P/S)	1	14	OIL SEAL	1	19	HEXAGON BOLT	2
5	BEARING COVER	1	10	DRIVING GEAR	1	15	OIL SEAL	4			

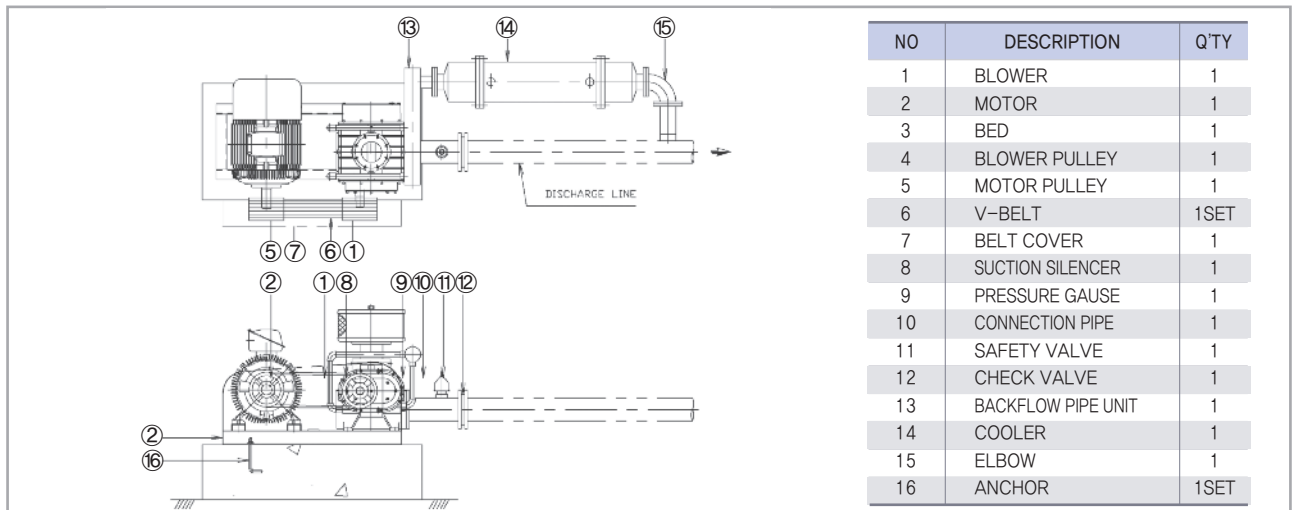


### Backflow Cooling Type Blower Performance Table

BLOWER TYPE	SPEED (rpm)	Suction Air Volume Qs(m³/min) & Required Shaft Power La(kW)at Each Discharge Pressure												Cooling Water (l/min)
		0.9kg/cm² (88kPa)		1.0kg/cm² (98kPa)		1.1kg/cm² (108kPa)		1.2kg/cm² (118kPa)		1.3kg/cm² (127.5kPa)		1.4kg/cm² (137.5kPa)		
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SUT080BF	1150	1.60	6.62	1.45	7.15	1.29	7.65	1.16	8.18	1.07	9.09	0.97	9.97	6
	1300	2.30	8.38	2.13	9.10	1.97	9.94	1.86	11.11	1.74	12.28	1.63	13.62	
	1450	2.99	9.99	2.85	11.07	2.72	12.29	2.62	13.57	2.51	15.15	2.41	16.93	
	1500	3.14	10.32	2.99	11.43	2.85	12.65	2.74	13.97	2.63	15.53	2.53	17.24	
	1750	4.32	12.33	4.15	13.62	4.00	15.1	3.84	16.60	3.71	18.22	3.61	20.12	
SUT100BF	1150	2.85	10.67	2.67	11.70	2.50	12.87	2.35	14.28	2.22	15.94	2.11	17.93	8
	1300	3.66	12.22	3.51	13.64	3.34	15.15	3.19	16.57	3.03	18.33	2.92	20.45	
	1450	4.50	13.37	4.34	15.02	4.16	16.66	4.02	18.48	3.89	20.29	3.78	22.34	
	1500	4.73	13.86	4.55	15.49	4.35	17.10	4.21	18.99	4.08	20.98	3.96	23.16	
	1750	5.94	16.12	5.70	17.84	5.51	19.84	5.34	21.73	5.18	23.71	5.04	26.19	
SUT125BF HUT125BF	1180	9.5	25.2	9.3	28.1	9.1	31.1	8.8	34.2	8.64	37.4	8.4	41.3	10
	1470	13.4	31.8	13.1	35.4	12.8	38.8	12.5	42.7	12.29	46.5	12.1	50.3	
	1750	17.2	37.3	16.9	41.5	16.6	45.8	16.4	50.1	16.09	54.6	15.9	59.0	
SUT150BF HUT150BF	1180	16.7	40.2	16.2	44.3	15.7	48.7	15.2	53.1	14.8	57.8	14.5	62.3	13
	1470	22.8	50.0	22.3	55.2	21.7	60.1	21.2	65.7	20.7	71.5	20.3	77.4	
	1750	29.0	58.6	28.04	64.8	27.9	71.2	27.4	77.3	26.9	83.7	26.5	90.4	
SUT200BF HUT200BF (250S)	880	33.0	73.9	32.3	82.5	31.5	91.9	30.7	102	29.9	113	29.2	124	16
	970	37.6	81.6	36.9	91.2	36.1	101	35.3	112	34.5	124	33.7	136	
	1180	48.0	99.1	47.0	110	46.1	123	45.3	136	44.4	149	43.6	164	
	1470	61.5	123	60.6	138	59.6	153	58.5	169	57.7	185	56.8	204	
	1750	75.4	147	74.3	164	73.4	181	72.4	200	71.3	219	70.2	239	
SUT250BF HUT250BF	880	72.7	148	70.9	163	69.6	178	68.3	194	67.0	210	65.7	225	18
	980	82.8	164	81.5	181	80.3	198	78.9	215	77.5	232	76.4	250	
	1150	99.2	191	97.8	210	96.3	229	94.7	248	93.4	268	92.5	289	
	1280	113	211	112	232	110	253	109	275	108	297	107	319	
SUT300BF	730	86.3	182	84.9	203	83.3	224	81.9	246	80.6	268	79.5	292	20
	880	110	216	109	240	107	266	105	291	104	316	103	343	
	980	125	239	124	266	122	294	121	320	120	349	119	378	
	1150	152	276	150	306	149	337	147	369	146	401	146	434	
	1210	163	287	167	319	160	350	159	382	158	412	157	443	
SUT350BF	580	149	302	146	336	144	371	141	406	139	440	137	477	25
	650	173	334	171	371	168	410	166	449	164	488	162	527	
	700	194	363	191	401	189	441	187	482	185	523	183	565	
	750	211	385	210	428	208	470	206	512	205	557	203	605	
	800	231	409	229	451	226	494	225	539	223	583	222	629	
SUT400BF	580	164	321	161	355	158	389	155	423	152	457	150	493	35
	650	191	363	188	399	185	437	182	475	179	514	177	554	
	700	212	392	209	431	206	468	203	508	200	548	198	590	
	750	233	419	230	461	227	502	224	544	221	586	218	628	
	800	254	444	251	488	248	531	245	573	242	617	240	660	
SUT500BF	580	248	479	244	528	239	577	235	627	230	678	226	730	40
	600	264	504	259	557	255	610	250	662	245	716	241	771	
	650	293	543	288	599	284	655	279	712	274	769	270	829	
	700	321	581	316	641	312	701	308	760	303	821	300	888	
	750	351	617	346	680	342	746	337	809	334	873	331	935	

- Qs is the air volume at suction status (pressure 760mmHg, temperature 20°C, relative) humidity is 75% and specific weight is 1.2kg/m³.
- The actual motor output should be prepared as 1.1~1.2 times the (La).
- The tolerance on all air volume ±5% as per KS B 6351
- The air volume or pressure, which are not in the performance table, can be settled by the control of R.P.M.

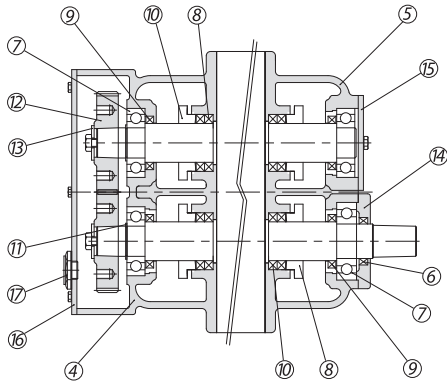
### Backflow Cooling Type Blower Outline Drawing



# U - type BLOWER

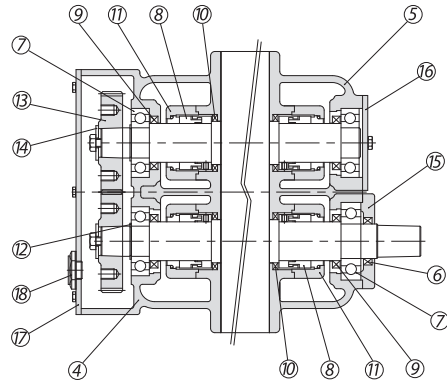
## 특수형 블로어 (Special Blower-Gland Packing & Mechanical Seal)

글랜드 패킹(Gland Packing Type)



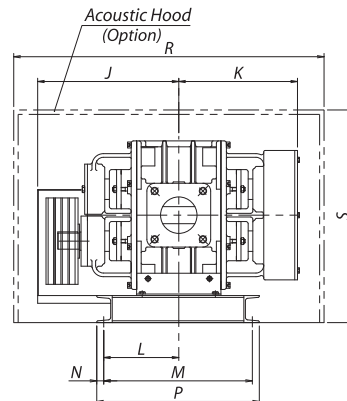
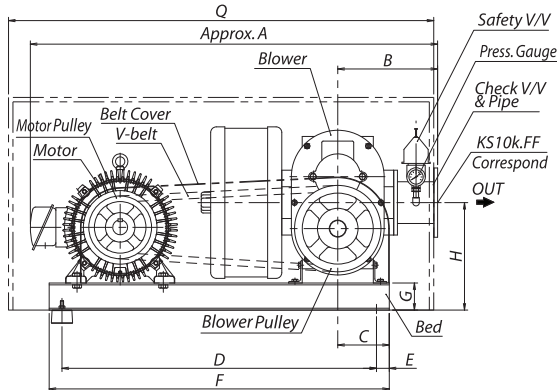
No.	DESCRIPTION	Q'TY	No.	DESCRIPTION	Q'TY
1	CASING	1	10	GLAND COVER	4
2	DRIVING ROTOR	1Set	11	SNAP RING	2
3	DRIVEN ROTOR	1Set	12	GEAR	2
4	SIDE COVER(G/S)	1	13	WASHER	2
5	SIDE COVER(P/S)	1	14	BEARING COVER-H	1
6	OIL SEAL	1	15	BEARING COVER	1
7	BEARING	4	16	GEAR COVER	1
8	GLAND PACKING	4Set	17	OIL LEVEL GAUGE	1
9	OIL SEAL	4			

메커니컬 실(Mechanical Seal Type)



No.	DESCRIPTION	Q'TY	No.	DESCRIPTION	Q'TY
1	CASING	1	10	OIL SEAL	4
2	DRIVING ROTOR	1Set	11	SEAL COVER	4
3	DRIVEN ROTOR	1Set	12	SNAP RING	2
4	SIDE COVER(G/S)	1	13	GEAR	2
5	SIDE COVER(P/S)	1	14	WASHER	2
6	OIL SEAL	1	15	BEARING COVER-H	1
7	BEARING	4	16	BEARING COVER	1
8	MECHANICAL SEAL	4Set	17	GEAR COVER	1
9	OIL SEAL	4	18	OIL LEVEL GAUGE	1

## 압송식 블로어 (POSITIVE DISPLACEMENT BLOWER(V-BELT TYPE))



모델	치수	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
SUP/HUP080G SUP/HUP0804M		1200	260	100	940	30	1000	100	290	340	260	150	420	20	460	1300	1000	1000
SUP/HUP100G SUP/HUP1004M		1230	280	100	940	30	1000	100	290	365	285	180	440	20	480	1350	1100	1000
SUP/HUP125G SUP/HUP1254M		1480	380	160	1100	50	1200	100	390	390	300	200	450	25	500	1600	1150	1200
SUP/HUP150G SUP/HUP1504M		1550	410	160	1100	50	1200	100	390	470	380	280	490	25	540	1800	1350	1200
SUP/HUP200G SUP/HUP2004M		1950	535	210	1500	50	1600	125	490	570	480	330	570	30	630	2200	1500	1500
SUP/HUP250G SUP/HUP2504M		2380	670	300	1700	100	1900	150	650	710	630	375	720	35	790	2700	1900	1700
SUP300G SUP3004M		2790	720	300	2000	100	2200	200	760	840	770	430	720	40	800	3100	2200	1700

- SUP050, SUP065 모델의 토출 끝단 플랜지 규격은 KS 5K.FF이며, 그 외 모델의 플랜지 규격은 KS 10K.FF입니다.
- 치수표의 치수는 성능향상을 위해 예고없이 변경될 수 있습니다.

### 진공식 블로어 풍량표

구경 (mm)	회전수 (rpm)	흡입풍량(Qs) [m³/min], 축동력(La) [kW]																							
		-1000 mmAq		-1500 mmAq		-2000 mmAq		-2500 mmAq		-3000 mmAq		-3500 mmAq		-4000 mmAq		-4500 mmAq		-5000 mmAq		-5500 mmAq		-6000 mmAq			
		Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)	Qd (m³/min)	La (kW)		
080	1150	3.81	1.61	3.59	1.97	3.36	2.28	3.14	2.69	2.94	3.16	2.73	3.61	2.53	4.13	2.32	4.59	2.13	5.05	1.92	5.54	1.73	5.94		
	1300	4.51	1.80	4.30	2.24	4.07	2.59	3.82	3.08	3.60	3.64	3.38	4.14	3.15	4.60	2.96	5.13	2.72	5.54	2.52	6.11	2.29	6.61		
	1500	5.44	2.03	5.23	2.54	4.99	3.02	4.75	3.59	4.53	4.22	4.29	4.79	4.07	5.37	3.83	5.94	3.60	6.52	3.41	7.18	3.16	7.66		
	1750	6.62	2.29	6.40	2.93	6.15	3.48	5.91	4.18	5.69	4.95	5.45	5.61	5.20	6.36	4.96	6.98	4.74	7.69	4.49	8.49	4.22	9.17		
100	1150	5.14	1.99	4.87	2.51	4.61	2.94	4.34	3.45	4.08	4.00	3.83	4.59	3.57	5.16	3.33	5.74	3.12	6.37	2.87	6.81	2.61	7.37		
	1300	6.01	2.19	5.73	2.77	5.46	3.28	5.21	3.88	4.93	4.53	4.70	5.25	4.44	5.91	4.17	6.56	3.90	7.23	3.64	7.81	3.34	8.28		
	1500	7.17	2.46	6.93	3.17	6.65	3.78	6.37	4.47	6.09	5.25	5.82	6.02	5.55	6.82	5.26	7.51	5.01	8.28	4.72	9.04	4.45	9.67		
	1750	8.62	2.80	8.37	3.69	8.09	4.46	7.80	5.32	7.49	6.20	7.22	7.09	6.94	7.93	6.64	8.78	6.32	9.62	6.03	10.32	5.71	11.16		
125	1180	13.7	4.2	13.4	5.5	13.0	6.8	12.6	8.1	12.2	9.4	11.6	10.7	11.2	12.0	10.6	13.2	10.1	14.6	9.6	16.0	9.1	17.6		
	1470	17.6	5.1	17.3	6.7	16.8	8.2	16.4	9.8	16.0	11.4	15.4	12.9	14.9	14.6	14.4	16.3	13.9	18.1	13.4	20.0	12.8	21.7		
	1750	21.6	5.9	21.1	7.8	20.7	9.6	20.1	11.3	19.7	13.1	19.2	15.0	18.6	16.9	18.1	18.8	17.5	20.9	16.9	22.8	16.3	25.0		
150	1180	22.9	6.1	22.3	8.3	21.6	10.3	21.0	12.4	20.3	14.5	19.6	16.6	18.9	18.8	18.1	21.0	17.4	23.4	16.6	26.1	15.7	29.1		
	1470	29.3	7.7	28.6	10.4	27.9	13.0	27.2	15.6	26.5	18.3	25.8	21.1	25.0	23.7	24.2	26.5	23.5	29.3	22.7	32.5	21.7	36.0		
	1750	35.8	9.1	35.2	12.5	34.4	15.5	33.6	18.6	32.8	21.8	32.0	24.9	31.3	28.1	30.5	31.4	29.6	34.9	28.7	38.7	27.9	43.0		
200 (250)	880	42.3	11.5	42.0	15.6	41.6	19.7	41.2	23.7	40.6	27.9	40.0	31.8	39.3	35.7	38.5	39.4	37.5	42.7	36.4	45.6	35.0	48.0		
	970	47.1	12.5	46.9	17.1	46.5	21.6	46.1	26.1	45.5	30.7	44.9	35.2	44.2	39.4	43.4	43.5	42.5	47.3	41.5	50.7	40.3	53.8		
	1100	54.2	14.0	53.9	19.2	53.5	24.2	53.0	29.3	52.4	34.5	51.7	39.6	51.0	44.4	50.2	49.1	49.3	53.4	48.4	57.5	47.4	61.4		
	1180	58.5	14.9	58.1	20.4	57.7	25.7	57.2	31.2	56.6	36.7	55.8	42.0	55.0	47.1	54.2	52.0	53.3	56.7	52.3	61.0	51.2	64.9		
	1470	74.2	18.3	73.7	25.1	73.3	31.7	72.7	38.5	72.0	45.2	71.3	52.0	70.5	58.4	69.4	64.5	68.4	70.2	66.9	75.4	65.4	79.9		
250	730	70.2	17.4	69.5	23.9	68.8	30.3	68.0	37.5	67.3	45.3	66.5	52.9	65.2	60.0	63.6	67.1	61.9	73.3	59.6	78.2	57.1	82.3		
	880	87.1	20.8	86.4	28.5	85.6	36.4	84.8	45.1	84.0	54.4	83.1	63.7	81.6	72.2	79.6	79.8	77.7	87.5	75.6	94.2	72.7	98.4		
	900	89.3	21.3	88.5	29.1	87.8	37.1	86.9	46.2	86.1	55.5	85.1	64.9	83.7	73.5	81.6	81.3	79.6	89.2	77.5	95.9	74.6	100		
	980	98.5	22.8	97.7	31.1	96.8	39.9	95.9	49.3	95.0	58.9	94.3	68.8	92.6	77.7	90.3	85.8	88.0	93.1	85.7	99.9	82.5	105		
	1150	118.	26.6	117	36.3	116	46.5	115	57.3	114	68.6	112.8	80.0	111.0	90.4	109	99.6	106	108	103	116	99.6	121		
300	730	105	24.9	104	34.3	103	43.7	102	53.9	100	64.7	99.0	75.6	97.3	85.6	94.9	95.2	92.0	104	88.7	119	85.0	116		
	800	117	26.9	115	37.2	114	47.0	113	58.2	112	70.2	110	81.9	108	92.9	106	103	103	113	100	121	96.5	128		
	880	130	29.4	129	40.7	128	51.9	126	64.0	125	76.9	124	90.0	122	102	119	113	116	123	113	133	109	139		
	960	143	31.7	142	44.0	141	56.1	140	69.2	138	82.8	137	96.9	135	110	132	122	128	132	125	140	122	147		
	1150	176	38.5	174	52.8	173	67.5	171	83.3	170	99.5	168	116	165	131	162	144	158	157	154	167	149	174		
350	650	204	48.9	202	67.5	200	85.2	198	105	195	126	192	147	188	167	184	187	179	205	172	218	165	228		
	700	227	51.7	225	71.3	222	90.0	220	111	217	133	214	155	210	176	206	196	200	214	192	228	184	237		
	750	249	54.1	246	74.9	244	94.8	240	117	238	140	235	164	230	185	225	205	219	223	211	237	20	248		
	800	270	56.8	267	79.0	264	100	262	124	259	149	255	173	251	196	245	216	239	236	232	251	224	263		
400	580	197	49.4	195	67.9	193	85.7	191	106	188	127	185	149	182	170	178	189	173	208	166	222	159	233		
	650	227	52.7	225	72.8	223	92.0	220	114	218	137	214	159	210	181	206	201	200	219	193	234	185	246		
	700	250	55.1	247.6	76.1	245	96.1	242	119	240	142	236	166	232	187	227	209	220	227	212	242	203	252		
	750	274	57.7	271	80.0	269	101	265	125	263	150	259	175	254	196	248	218	241	237	233	252	224	263		
	800	298	60.7	294	84.1	291	106	288	131	286	158	281	183	277	207	270	229	264	249	256	266	247	278		
500	580	298	70.5	295	97.2	293	123	290	151	286	181	282	211	276	241	270	269	262	293	252	316	240	329		
	650	346	76.2	343	106	340	134	336	165	332	198	327	230	321	261	314	290	307	316	296	338	284	355		
	700	381	79.9	378	111	375	141	371	173	366	207	360	241	355	272	348	303	339	330	328	352	315	368		
	750	417	84.0	414	117	411	149	406	182	401	217	395	252	389	286	382	318	373	347	361	369	348	387		
600	580	366	86.7	363	120	361	151	356	186	351	222	346	260	339	296	332	331	322	361	310	388	295	404		
	650	426	93.6	422	130	418	164	413	203	408	243	401	283	394	320	386	356	377	389	364	415	349	436		
	700	469	98.2	465	136	461	173	456	212	450	254	443	296	436	335	427	372	417	407	403	432	388	452		
	750	513	103	509	144	505	182	499	223	493	267	485	310	478	352	469	391	458	426	443	453	427	476		
700	580	429	108	426	140	423	177	418	218	412	261	406	305	398	348	390	388	378	423	364	455	346	474		
	650	499	110	495	152	491	193	485	238	479	285	471	332	43	376	454	418	442	456	427	487	410	512		
	700	550	115	545	160	541	203	535	249	528	299	520	348	511	393	501	437	489	477	473	507	455	531		
	750	602	121	597	169	593	214	586	262	579	313	569	364	561	413	550	458	500	520	532	501	558			

- 테이블의 풍량(Qs)은 대기압 기준으로 압력 760mmHg, 온도 20℃, 습도 70%, 공기비중량 1.2kg/m³일 때의 풍량입니다. 만약, 대기압 기준이 아닐 경우에는 본사 또는 영업소로 문의하시기 바랍니다.
- 모터 선정은 압손실을 고려하여 축동력(La)에서 1.1~1.2배가 되도록 선정하세요.
- 풍량(Qs)은 KS B 6351에 의거하여 ±5%의 허용범위가 있습니다.
- 냉각방식이 수냉식으로 적용되는 범위의 운전 영역입니다.
- 냉각방식이 역류냉각식으로 적용되는 범위의 운전 영역입니다.



# U - type BLOWER

## 진공펌프 외형도 및 치수표(Rotary Vacuum Pump)

MARK	DESCRIPTION	Q'TY
1	BLOWER	1
2	MOTOR	1
3	BED SILENCER	1
4	BLOWER PULLEY	1
5	MOTOR PULLEY	1
6	V-BELT	1SET
7	BELT COVER	1
8	VACCUUM BREAKER	1
9	VACCUUM GAUGE	1

모델	치수	A	B	C	D	E	F	G	H	I	J	K	L	M	N
SUK050V		151	175	80	455	32.5	95	520	495	167	218	130	130	360	25
SUK065V		172	196	90	475	32.5	125	540	530	167	218	130	130	360	25
SUK/HUK080V		240	203	120	620	40	40	700	540	170	240	145	145	370	25
SUK/HUK100V		280	225	120	690	40	70	770	540	170	240	145	145	370	25
SUK/HUK125V		380	275	140	900	50	80	1000	700	200	350	220	220	550	30
SUK/HUK150V		460	355	150	900	50	80	1000	750	230	371	220	220	550	30

MARK	DESCRIPTION	Q'TY
1	BLOWER	1
2	MOTOR	1
3	BED	1
4	BLOWER PULLEY	1
5	MOTOR PULLEY	1
6	V-BELT	1SET
7	BELT COVER	1
8	VACCUUM BREAKER	1
9	VACCUUM GAUGE	1

모델	치수	A	B	C	D	E	F	G	H	I	J	K	L
SUK/HUK200V		570	429	210	215	150	500	1400	1260	1500	640	700	826
SUK/HUK250V		660	516	250	264	200	680	1550	1575	1700	680	750	1055
SUK300V		730	590	280	314	200	800	1800	1795	1900	720	800	1198
SUK350V		840	730	300	355	200	1000	1900	2085	2100	880	960	1385

MARK	DESCRIPTION	Q'TY
1	BLOWER	1
2	MOTOR	1
3	BED	1
4	BLOWER PULLEY	1
5	MOTOR PULLEY	1
6	V-BELT	1SET
7	BELT COVER	1
8	VACCUUM BREAKER	1
9	VACCUUM GAUGE	1

모델	치수	A	B	C	D	E	F	G	H	I	J	K	L	M	N
SUT/HUT080V		294	202	188	200	430	130	600	150	900	75	135	360	400	20
SUT/HUT100V		315	225	188	210	455	130	600	150	900	75	165	400	440	20
SUT/HUT125V		400	278	256	255	576	150	800	200	1200	100	195	440	490	25
SUT/HUT150V		514	358	255	255	600	150	800	200	1200	100	245	440	490	25
SUT/HUT200V		570	429	355	300	730	180	1050	250	1550	125	270	640	700	30
SUT/HUT250V		660	516	472	385	989	180	1600	150	1900	150	255	570	640	35
SUT300V		730	590	520	385	1145	200	1800	200	2200	200	370	740	820	40
SUT350V		840	730	695	485	1390	230	2100	200	2500	200	490	920	1000	40

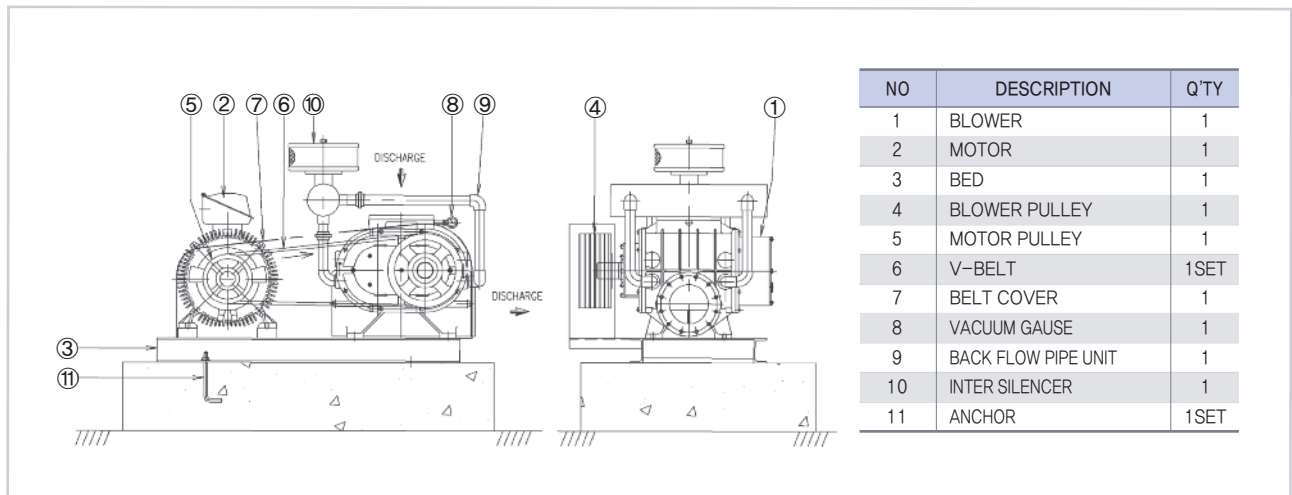
• SUP050, SUP065 모델의 토출 끝단 플랜지 규격은 KS 5K, FF이며, 그 외 모델의 플랜지 규격은 KS 10K, FF입니다.  
 • 치수표의 치수는 성능향상을 위해 예고없이 변경될 수 있습니다.

### Backflow Cooling Type Vacuum Pump Performance Table

BLOWER TYPE	SPEED (rpm)	Suction Air Volume Qs(m <sup>3</sup> /min) & Required Shaft Power La(kW)at Each Discharge Pressure										SPEED (rpm)	BORE SIZE (mm)
		-5000mmAq (-49kPa) (-368mmHg)		-5500mmAq (-54kPa) (-405mmHg)		-6000mmAq (-59kPa) (-441mmHg)		-6500mmAq (-64kPa) (-478mmHg)		-7000mmAq (-69kPa) (-515mmHg)			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
SUT080VBF	1150	2.08	5.07	1.88	5.57	1.68	5.97	1.48	6.46	1.29	6.94	1150	080
	1300	2.66	5.57	2.46	6.14	2.24	6.65	2.05	7.24	1.81	7.72	1300	
	1500	3.51	6.56	3.33	7.22	3.09	7.70	2.87	8.44	2.66	9.27	1500	
	1750	4.63	7.72	4.38	8.53	4.11	9.21	3.87	9.86	3.59	10.46	1750	
SUT100VBF	1150	3.04	6.40	2.80	6.85	2.55	7.40	2.26	7.77	1.96	8.14	1150	100
	1300	3.80	7.26	3.55	7.85	3.26	8.32	2.98	8.91	2.65	9.34	1300	
	1500	4.89	8.32	4.61	9.08	4.34	9.72	4.05	10.39	3.75	11.19	1500	
	1750	6.17	9.67	5.88	10.37	5.57	11.22	5.24	12.07	4.92	12.74	1750	
SUT125VBF	1180	9.8	14.6	9.4	16.1	8.9	17.7	8.3	19.1	7.7	20.8	1180	125
HUT125VBF	1470	13.6	18.2	13.1	20.1	12.4	21.8	11.9	23.5	11.2	25.4	1470	
	1750	17.1	21.0	16.5	22.9	15.9	25.1	15.2	27.0	14.4	28.0	1750	
SUT150VBF	1180	17.0	23.5	16.2	26.2	15.3	29.3	14.4	32.6	13.5	36.8	1180	150
HUT150VBF	1470	22.9	29.4	22.1	32.7	21.2	36.2	20.2	39.8	19.2	43.7	1470	
	1750	28.9	35.1	28.0	38.9	27.2	43.2	26.4	47.6	25.4	52.4	1750	
SUT200VBF	880	36.6	42.9	35.5	45.8	34.2	48.2	32.8	50.2	31.2	51.5	880	200 (250)
HUT200VBF	970	41.5	47.5	40.5	50.9	39.3	54.0	37.8	56.1	36.1	57.5	970	
	1100	48.1	53.6	47.2	57.7	46.2	61.7	44.8	64.6	43.2	66.7	1100	
	1180	52.0	57.0	51.0	61.3	50.0	65.3	48.5	68.5	46.7	70.7	1180	
	1470	66.7	70.5	65.3	75.7	63.8	80.3	62.1	84.3	60.4	87.8	1470	
	1750	81.2	83.9	79.8	90.1	78.0	95.6	75.8	99.5	73.9	103	1750	
SUT250VBF	730	60.4	73.7	58.1	78.6	55.7	82.7	53.1	84.9	50.0	85.4	730	250
HUT250VBF	880	75.8	87.7	73.7	94.7	70.9	98.9	68.1	102	64.9	103	880	
	900	77.7	89.6	75.6	96.3	72.7	101	69.9	104	66.5	105	900	
	980	85.9	93.6	83.6	100	80.4	105	77.3	108	73.7	108	980	
	1150	103	109	101	116	97.2	122	93.5	125	89.6	126	1150	
	1280	118	121	115	129	111	135	107	139	103	140	1280	
SUT300VBF	730	89.8	105	86.6	111	82.9	117	79.0	120	74.5	121	730	300
	800	101	114	97.6	121	94.1	129	90.1	132	85.8	135	800	
	880	113	124	110	133	106	140	102	145	97.1	147	880	
	960	125	132	122	141	117	148	113	152	107	154	960	
	1150	154	158	150	168	145	175	140	180	134	182	1150	
	1210	163	165	159	177	154	184	148	190	142	192	1210	
SUT350VBF	650	175	206	168	219	161	230	153	237	143	238	650	350
	700	195	215	188	229	180	239	171	245	161	246	700	
	750	213	224	206	238	197	250	188	256	178	257	750	
	800	233	237	226	252	218	264	209	273	200	277	800	
SUT400VBF	580	169	209	162	223	155	234	147	242	138	243	580	400
	650	195	221	188	235	181	247	171	252	161	253	650	
	700	215	229	207	243	198	253	189	260	178	261	700	
	750	235	239	227	253	218	264	209	271	196	272	750	
	800	258	251	250	267	241	279	231	288	221	292	800	
SUT500VBF	580	256	295	246	317	234	330	223	341	210	346	580	500
	650	299	318	289	339	277	357	264	367	248	366	650	
	700	331	332	320	353	308	370	294	381	277	383	700	
	750	364	349	352	371	339	389	324	399	306	399	750	

- The actual motor output should be prepared as 1.1~1.2 times the (La).
- The tolerance on all air volume is ±5% as per KS B 6351.
- The air volume or pressure, which are not in the performance table, can be settled by the control of R.P.M.

### Backflow Cooling Type Vacuum Pump Outline Drawing



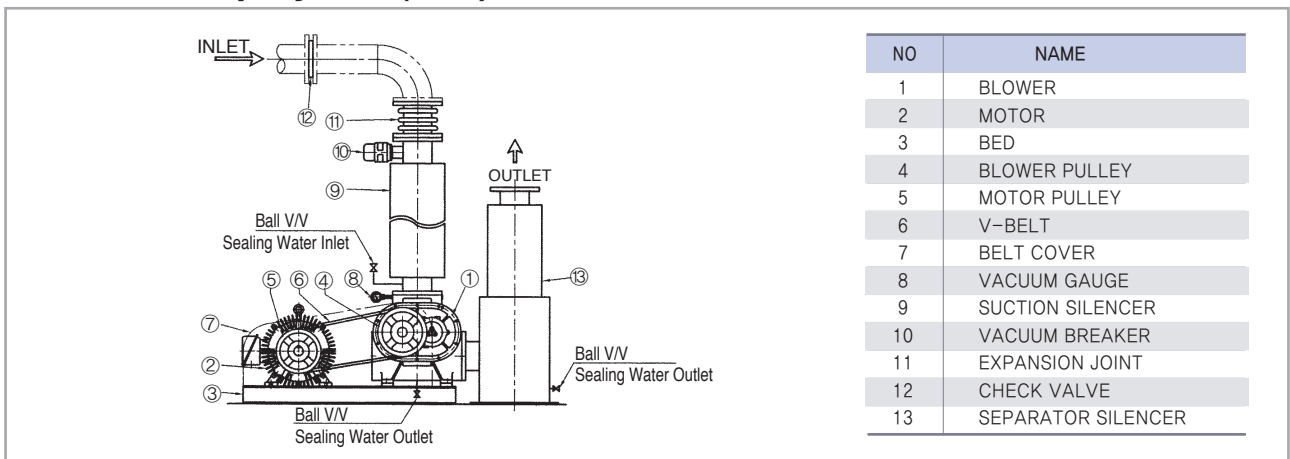
# U – type BLOWER

## Rotary Vacuum Pump Performance Table (Wet)

BORE SIZE (mm)	SPEED (rpm)	Suction Air Volume Qs(m <sup>3</sup> /min) & Required Shaft Power La(KW)at Each Vacuum										Sealing Water (ℓ/min)	SPEED (rpm)	BORE SIZE (mm)
		-100mmAq		-200mmAq		-300mmAq		-400mmAq		-500mmAq				
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La			
050	1240	1.62	1.27	1.52	1.77	1.30	2.26					5	1240	050
	1450	1.95	1.42	1.85	1.99	1.63	2.55					6	1450	
	1750	2.42	1.64	2.32	2.31	2.11	2.96					6	1750	
	2000	2.81	1.83	2.72	2.57	2.51	3.30					6	2000	
	2100	2.97	1.90	2.88	2.67	2.67	3.44					6	2100	
065	1240	2.11	1.54	1.98	2.17	1.77	2.77					6	1240	065
	1450	2.58	1.77	2.45	2.49	2.24	3.21					6	1450	
	1750	3.26	2.10	3.13	2.96	2.92	3.82					6	1750	
	2000	3.82	2.37	3.69	3.35	3.48	4.34					6	2000	
	2100	4.05	2.48	3.92	3.50	3.71	4.55					7	2100	
080	1150	3.05	1.82	2.81	2.64	2.40	3.35	1.66	4.23	0.92	5.11	7	1150	080
	1300	3.74	2.18	3.48	3.16	3.03	4.07	2.23	5.10	1.44	6.12	8	1300	
	1500	4.67	2.65	4.37	3.85	3.88	5.04	3.00	6.25	2.21	7.46	8	1500	
	1750	5.82	3.25	5.49	4.72	4.94	6.26	3.96	7.70	2.97	9.14	8	1750	
	2040	7.16	3.94	6.78	5.72	6.17	7.66	5.70	9.38	3.96	11.1	9	2040	
100	1300	6.34	3.51	5.82	5.14	5.31	6.79	4.49	8.50	3.67	10.2	9	1300	100
	1500	7.47	4.07	6.96	5.96	6.44	7.85	5.62	9.83	4.80	11.8	9	1500	
	1750	8.89	4.78	8.38	6.99	7.86	9.19	7.04	11.5	6.22	13.8	10	1750	
	2040	10.5	5.60	10.0	8.19	9.50	10.7	8.68	13.4	7.86	16.1	10	2040	
125	1180	14.8	5.78	14.2	9.21	13.4	12.8	12.2	16.2	10.9	19.7	11	1180	125
	1470	18.7	7.23	18.1	11.5	17.3	15.9	16.1	20.3	14.8	24.6	11	1470	
	1750	22.4	8.63	21.9	13.8	21.1	19.0	19.9	24.2	18.6	29.5	12	1750	
	1940	24.9	9.58	24.5	15.3	23.7	21.0	22.4	26.9	21.1	32.7	14	1940	
150	1180	24.2	90.2	23.6	14.9	22.5	20.7	20.1	26.4	17.7	32.1	15	1180	150
	1470	30.6	11.3	30.1	18.5	28.8	25.7	26.5	32.8	24.2	40.0	18	1470	
	1750	36.9	13.5	36.4	22.0	34.9	30.5	32.7	39.1	30.5	47.7	18	1750	
200	880	44.4	16.2	44.0	26.4	42.3	36.6	40.0	46.9	37.6	57.2	20	880	200
	1100	56.6	17.4	53.7	29.5	49.4	42.4	42.5	54.7	35.6	67.1	20	1100	
	1470	77.0	23.0	74.7	39.5	70.7	56.3	64.0	72.9	57.3	89.5	20	1470	
	1750	92.5	27.1	90.6	47.1	86.8	66.9	80.3	86.7	73.8	106	22	1750	
250	730	73.6	23.8	71.3	40.9	67.5	58.3	61.2	75.4	54.8	92.6	20	730	250
	900	91.6	29.1	89.6	50.5	85.9	71.7	79.4	92.8	73.0	114	22	900	
	1150	118	36.9	116	64.6	113	91.3	106	118	100	146	30	1150	
	1280	132	41.0	130	71.9	127	102	120	132	114	162	33	1280	
300	800	120	36.8	117	64.7	113	93	105	123	97	154	33	800	300
	960	145	43.8	142	77.2	138	111	130	148	122	185	35	960	
	1150	174	52.1	172	92.1	168	133	160	177	151	222	35	1150	
	1210	184	54.7	181	96.7	177	139	169	186	161	233	36	1210	

- You could select a water-cooling type in the range of color
- The actual using moter output is to be prepared blower shaft power of  $La \times (1.1 \square 1.2)$ (shaft power : La).
- The tolerance on all air volume is  $\pm 5\%$  as per KS B 6351.
- The air volume or pressure which is not in the performance table can be settled by the control of R,P,M.

## Vacuum Pump System(Wet)



## Two-Stage Water-Cooling Type Rotary Blower Performance Table

### KFM Two-Stage Rotary Blower Performance Table

BORE SIZE (mm)	SPEED (rpm)	Suction Air Volume Qs(m³/min) & Required Shaft Power La(kW)at Each Discharge Pressure														SPEED (rpm)	BORE SIZE (mm)
		1.3kg/cm² (127.5kPa)		1.4kg/cm² (137.3kPa)		1.5kg/cm² (147.1kPa)		1.6kg/cm² (157kPa)		1.7kg/cm² (166.7kPa)		1.8kg/cm² (176.5kPa)		2.0kg/cm² (196kPa)			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
100	1300	4.42	47.8	4.38	15.6	4.35	16.4	4.3	17.2	4.29	17.9	4.26	18.7	4.22	20.3	1300	100
	1500	5.57	15.7	5.54	18.9	5.51	19.9	5.5	20.9	5.47	21.8	5.44	22.9	5.41	24.8	1500	
	1750	7.00	21.6	6.99	23.0	6.97	24.3	7.0	25.5	6.94	26.7	6.92	28.0	6.90	30.5	1750	
125	1180	10.3	32.1	10.2	33.8	10.1	35.6	10.0	37.1	9.98	38.8	9.88	40.3	9.8	43.3	1180	125
	1470	14.3	40.9	14.2	43.1	14.1	45.4	14.0	47.3	13.9	49.5	13.8	51.3	13.7	55.2	1470	
	1750	18.3	49.5	18.1	52.1	18.0	54.8	17.9	57.2	17.8	59.8	17.6	62.0	17.5	66.7	1750	
150	1180	18.0	51.8	17.9	54.8	17.8	57.6	17.8	59.8	17.4	62.1	17.2	64.3	17.0	68.7	1180	150
	1470	24.5	66.2	24.4	69.9	24.2	73.6	24.2	76.8	24.0	80.2	23.8	83.6	23.7	89.8	1470	
	1750	30.7	80.1	30.6	84.6	30.5	89.1	30.5	93.3	30.3	97.6	30.2	103	30.1	110	1750	
200	880	38.3	97.7	38.1	103	37.9	108	37.8	114	37.6	118	37.3	123	37.2	133	880	200
	1100	52.0	125	51.9	132	51.8	139	51.7	146	51.5	153	51.4	159	51.2	173	1100	
	1470	75.2	170	75.1	181	75.1	191	75.0	202	74.9	211	74.9	221	74.9	238	1470	
250	730	56.8	153	55.8	159	54.9	165	53.9	171	52.9	176	52.0	180	51.0	192	730	250
	900	76.3	185	75.7	196	75.2	205	74.7	214	74.1	223	73.6	231	73.1	249	900	
	1150	105	233	105	250	105	264	105	277	105	292	105	306	106	333	1150	
300	730	97.4	227	97.1	240	97.6	252	96.3	264	96.3	275	95.5	287	95.5	309	730	300
	800	119	269	1191	285	121	300	118.4	315	119	327	118	342	118	365	800	
	960	169	367	170	389	173	409	169	430	170	447	168	468	169	494	960	

• At suction state, pressure is 760mmHg, temperature is 20.C, relative humidity is 65% and specific weight is 1.2kg/m³

### KFM Two-Stage Rotary Vacuum Pump Performance Table

BORE SIZE (mm)	SPEED (rpm)	Suction Air Volume Qs(m³/min) & Required Shaft Power La(KW)at Each Vacuum												Sealing Water (l/min)	SPEED (rpm)	BORE SIZE (mm)	
		-400mmHg (-53.3kPa) (-5438mmAq)		-450mmHg (-60kPa) (-6118mmAq)		-500mmHg (-66.7kPa) (-6798mmAq)		-550mmHg (-73.3kPa) (-7477mmAq)		-600mmHg (-80kPa) (-8157mmAq)		-650mmHg (-86.6kPa) (-8837mmAq)					
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La				
65	1300	2.16	3.71	2.15	3.88	2.13	4.06	2.06	4.24					6	1300	65	
	1450	2.47	4.11	2.46	4.32	2.44	4.52	2.38	4.73						1450		
	1500	2.56	4.23	2.57	4.48	2.55	4.68	2.49	4.9						1500		
	1750	3.13	4.97	3.09	5.21	3.07	5.46	3.01	5.7						1750		
100	1150	4.77	7.60	4.74	8.10	4.67	8.6	4.46	9.0	4.05	9.52			11	1150	100	
	1300	5.62	8.56	5.59	9.11	5.52	9.63	5.31	10.1	4.90	10.8				1300		
	1450	6.47	9.50	6.44	10.1	6.37	10.8	6.16	11.3	5.75	12.0	5.34	12.7		1450		
	1500	6.75	9.86	6.72	10.5	6.65	11.2	6.44	11.7	6.03	12.4	5.62	13.1		1500		
125	1150	8.17	11.5	8.14	12.2	8.07	13.2	7.86	13.7	7.45	14.5	7.04	15.3	1750	15	1150	125
	1180	13.4	15.5	13.3	16.7	13.2	17.7	13.0	18.8	12.4	19.8	11.8	20.8	1180			
	1450	17.4	19.8	17.3	21.1	17.2	22.4	17.0	23.8	16.4	25.2	15.8	26.6	1450			
	1470	17.7	20.0	17.6	21.4	17.5	22.7	17.3	24.1	16.7	25.5	16.1	26.9	1470			
150	1750	21.5	23.9	21.3	25.5	21.2	27.1	21.0	28.7	20.4	30.4	19.8	32.1	1750	18	1150	150
	1150	22.2	23.9	22.0	25.5	21.8	27.0	21.6	28.5	20.6	30.2	19.6	31.9	1150			
	1180	22.8	24.4	22.3	25.8	22.1	26.9	21.9	28.8	21.1	30.6	20.3	32.3	1180			
	1450	28.6	29.9	28.4	31.9	28.2	33.6	28.0	35.6	27.2	37.7	26.4	39.8	1450			
200	1470	29.2	30.5	29.0	32.5	28.8	34.5	28.6	36.3	27.7	38.4	26.8	40.6	1470	22	1750	200
	1750	35.5	36.4	35.3	38.8	35.1	41.4	34.9	43.3	34.0	45.8	33.4	48.3	1750			
	880	41.4	48.1	41.1	52.7	40.8	57.0	40.5	61.5	39.4	64.7	38.2	67.9	880			
	1100	53.2	58.0	52.9	63.7	52.6	70.0	52.3	74.5	51.0	79.0	49.6	83.5	1100			
250	1470	73.1	74.6	72.8	82.2	72.5	91.9	72.2	96.4	70.5	103	68.8	110	1470	25	1470	250
	730	70.0	68.5	69.6	72.1	69.4	76.2	68.3	81.4	66.1	86.1	63.9	90.8	730			
	880	85.9	82.7	85.6	87.0	85.4	91.9	84.2	98.1	82.0	104	79.8	110	880			
	900	88.2	84.5	87.8	88.9	87.6	94.0	86.5	100	84.3	106	82.1	112	900			
300	980	96.8	91.9	96.5	96.8	96.3	102	95.2	109	93.0	116	90.8	123	980	30	980	300
	730	104	94.0	103	101	101	107	97.0	116	93.0	123	89.0	130	730			
	800	115	103	114	110	111	118	107	127	103	135	99.0	143	800			
	880	127	114	126	121	123	130	118	139	114	148	110	158	880			
300	960	139	125	138	132	134	141	130	152	126	162	122	172	960	30	960	300
	980	142	127	141	135	137	144	133	155	129	165	125	175	980			

- The actual motor output should be prepared as 1.1~1.2 times the (La).
- The tolerance on all air volume is ±5% as per KS B 6351.
- The air volume or pressure, which are not in the performance table, can be settled by the control of R.P.M.
- You could select a water-cooling type in the range of color