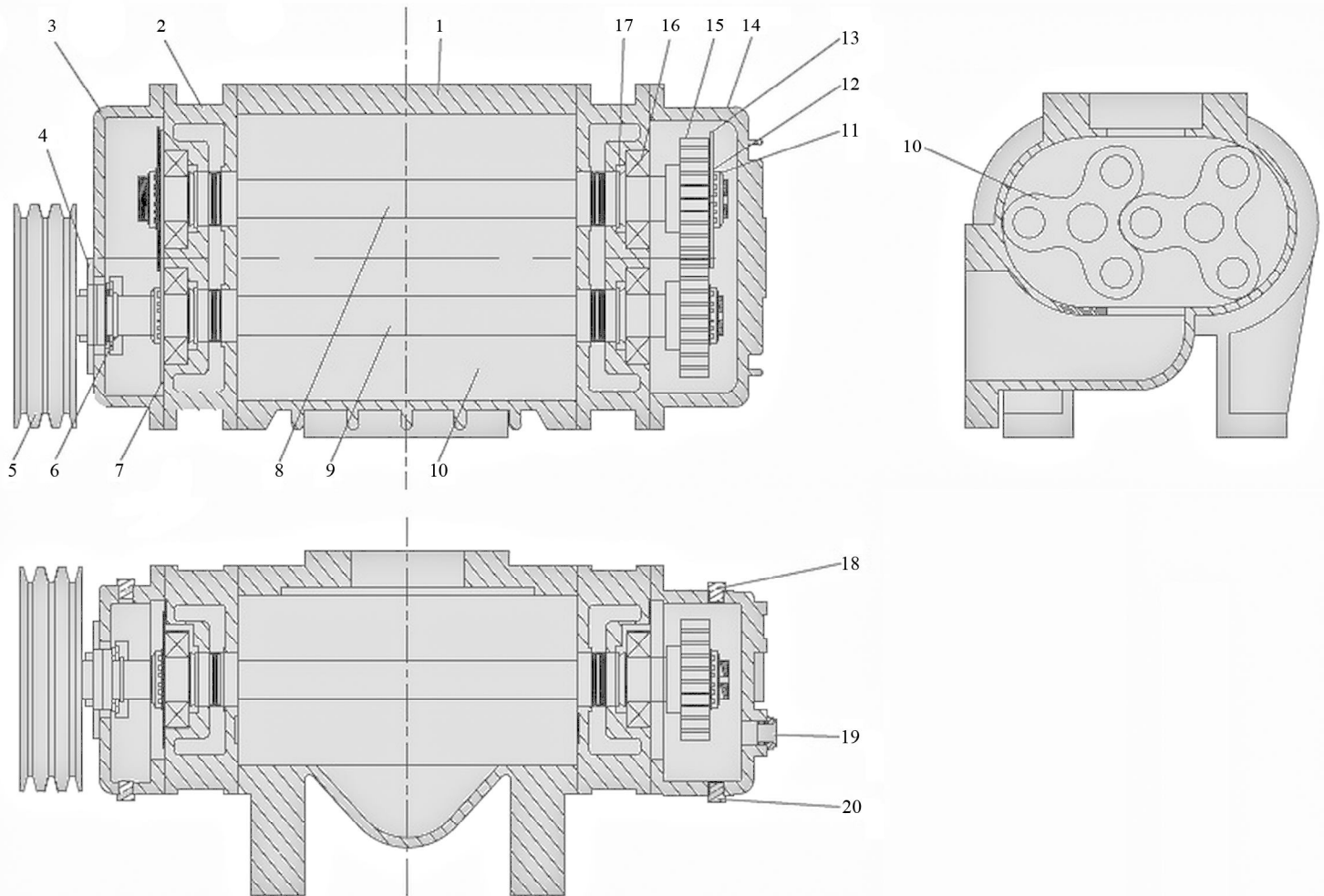


AIRFLOW

ROOTS BLOWER



STRUCTURE AND MATERIAL LIST



PART MATERIAL TABLE

NO.	Name	Material	Number
1	Blower body	HT250	1
2	Bearing housing	HT250	2
3	Oil box	HT250	1
4	Seal housing	HT200	1
5	Pulley	HT250	1
6	Framework oil seal	VITON	1
7	Bearing washer	Q235	2
8	Driven shaft	45	1
9	Drive shaft	45	1
10	Impeller	HT250	2
11	Lock nut	45	5
12	Washer	Q235	4
13	Oil splash	Q235	2
14	Gear box	HT250	1
15	Gear	SCM435	2
16	Bearing	SUJ2	4
17	V-Ring	NBR or VITON	4
18	Lubrication plug	45	2
19	Oil gauge	Duralumin	2
20	Purge plug	45	2

Theory

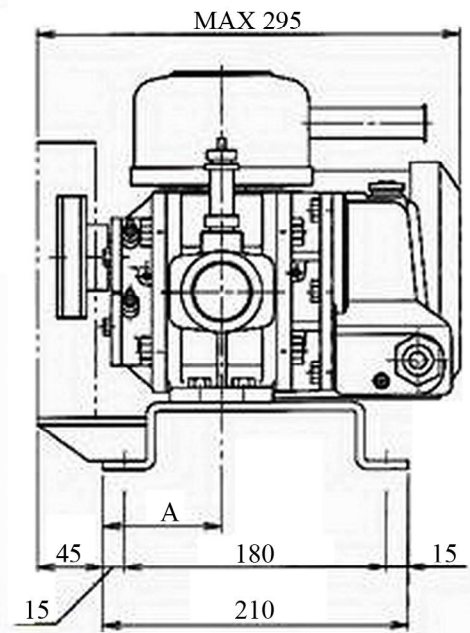
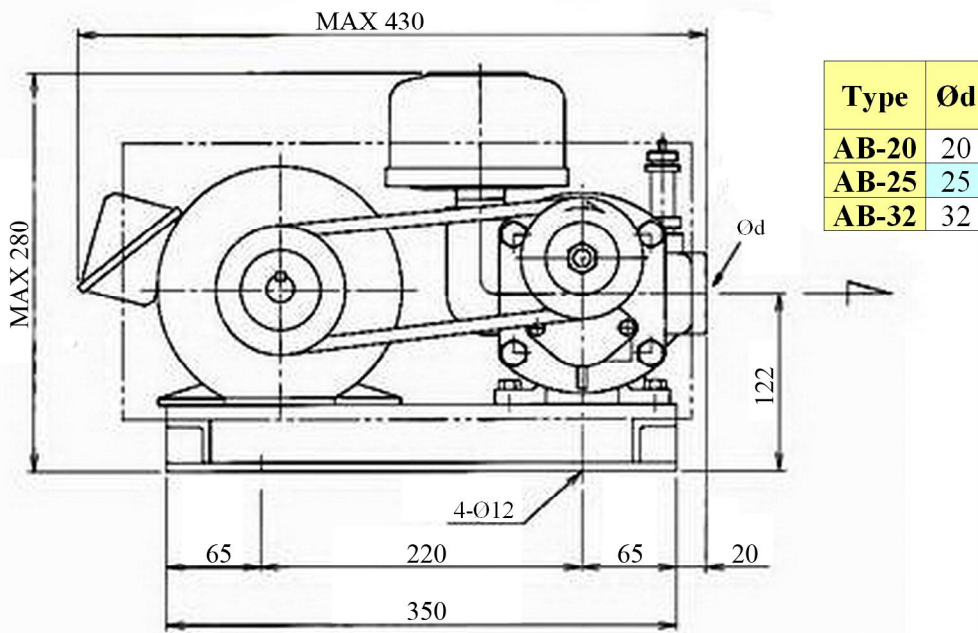
AIRFLOW is a displacement blower, the pressure can be adjusted according to the requirement of the user in allowing range, there are two impellers in the blower body which rotate in the opposite direction, in order to let the impeller rotate, there are some tiny gap between the impeller to body, impeller to impeller. When the impeller rotates through the suction inlet, it can gather an amount of air between on rotating, and the air will be pressured, the pressure in the body will rise, finally the air has been send to the outlet.

Features

- Wide range of capacity and pressure.
Calibre: 40mm-300mm (1.5"-12")
Capacity: 0.36-160m³/min (12-5700CFM)
Pressure: The pressure of one-stage AIRFLOW type up to 8000mmAq (0.8kgf/cm²)
- Delivers completely oil-free air.
- Low oscillation and low noise by dynamic balance which revised by computer.
- Smaller change in capacity against change in pressure.
- Highest efficiency due to special impeller design, great air-delivery low power.
- Standardized product with strict quality control.
- Our rotor has used the most advanced technic, one time for all working process of the six-shaft method, to enhance the

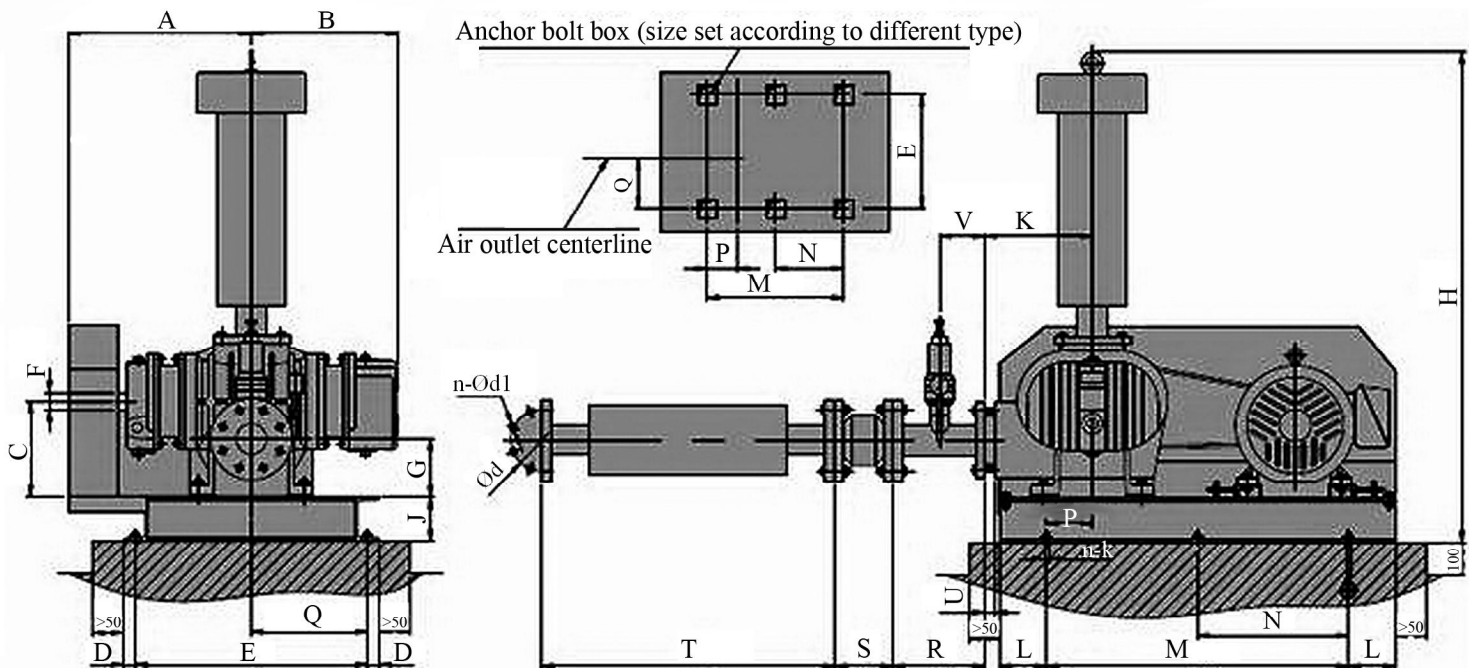
INSTALLATION DIMENSIONS (Horizontal Outlet Silencer)

AB-20 AB-25 AB-32



AB-40 AB-50 A65 AB-80 AB-100 AB-125A AB125

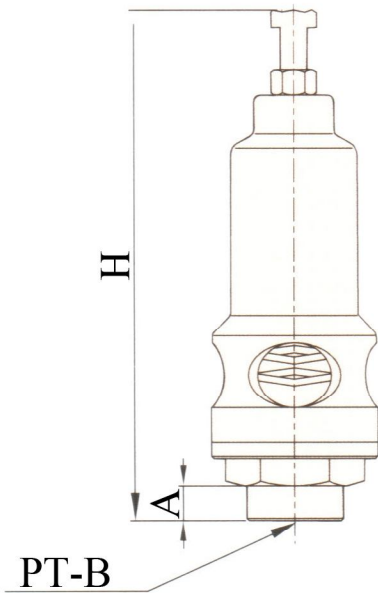
AB-150 AB-200A AB-200 AB-250 AB-300A AB300



Type	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	Ød	n-Ød1	n-k	Weight (kg.)
AB-40	240	238	180	20	350	28	104	780	46	184	50	500	-	98	88	150	95	592	20	75	110	4-Ø18	4-M12X160	103
AB-50	302	278	175	20	410	28	103.5	946	80	178	50	620	-	119	148	150	105	592	20	75	125	4-Ø18	4-M12X160	146
AB-65	313	308	175	20	410	28	104	948	80	176	50	620	-	117	138	150	115	596	24	75	145	4-Ø18	4-M12X160	161
AB-80	406	320	213	20	510	38	106.5	1283	80	204	100	670	-	112	160	180	135	796	24	90	160	8-Ø18	4-M12X160	265
AB-100	467	320	225	20	560	38	114.5	1324	100	210	100	760	-	90	233	180	150	796	24	90	180	8-Ø18	4-M16X220	311
AB-125A	440	395	265	22	556	48	134.5	1988	120	275	100	900	-	133	338	250	165	1260	25	125	210	8-Ø18	4-M16X220	468
AB-125	500	455	265	22	556	48	157.5	1980	120	275	100	900	-	138	278	250	165	1260	25	125	210	8-Ø18	4-M16X220	490
AB-150	568	510	295	22	556	48	163	1941	120	276	100	900	-	138	212	250	180	1264	26	125	240	8-Ø22	4-M16X220	565
AB-200A	540	497	355	30	790	65	198	2317	160	385	100	1300	650	313	454	250	190	1644	28	125	295	8-Ø22	6-M20X300	969
AB-200	590	547	405	30	940	65	194	2417	160	373	100	1300	650	310	580	250	190	1644	28	125	295	8-Ø22	6-M20X300	1209
AB-250	680	622	435	30	940	65	216	2587	160	384	140	1400	700	270	490	250	230	1748	28	125	350	12-Ø22	6-M20X300	1507
AB-300A	760	717	415	25	1100	65	255	2682	160	385	140	1400	700	270	575	300	250	1848	30	125	400	12-Ø22	6-M20X300	1800
AB-300	758	685	550	35	1030	95	300	3122	250	590	235	2000	1000	325	627	300	250	1848	30	150	400	12-Ø22	6-M20X300	2800

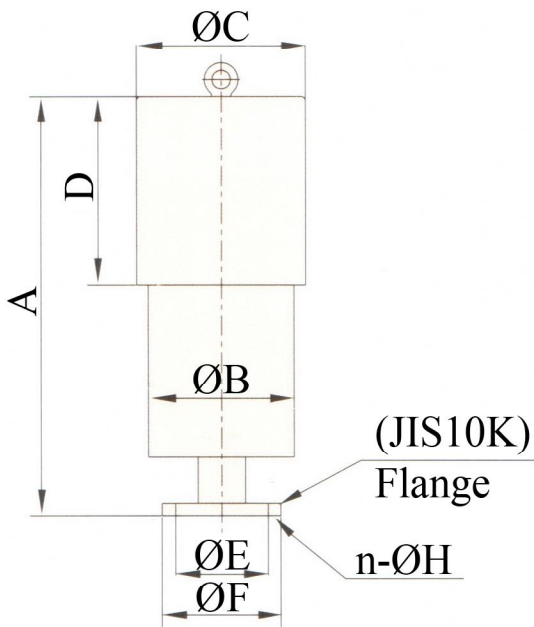
Relief Valve

Type	A	H	Weight (kg)
RV1¼"	25	150	1.6
RV2"	25	180	2.5
RV3"	30	250	5.0
RV4"	25	316	8.5



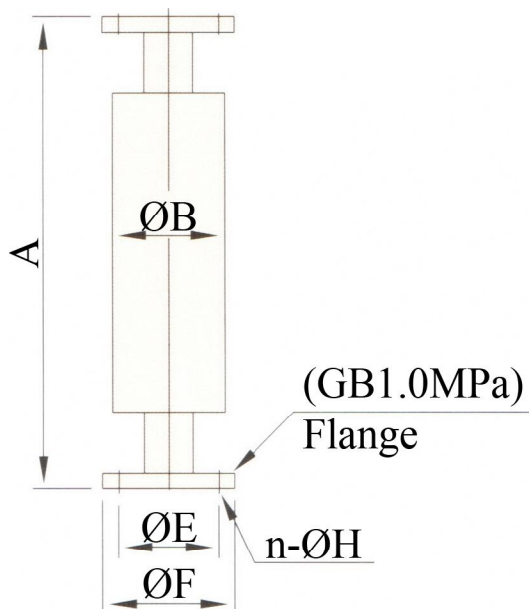
Suction Silencer

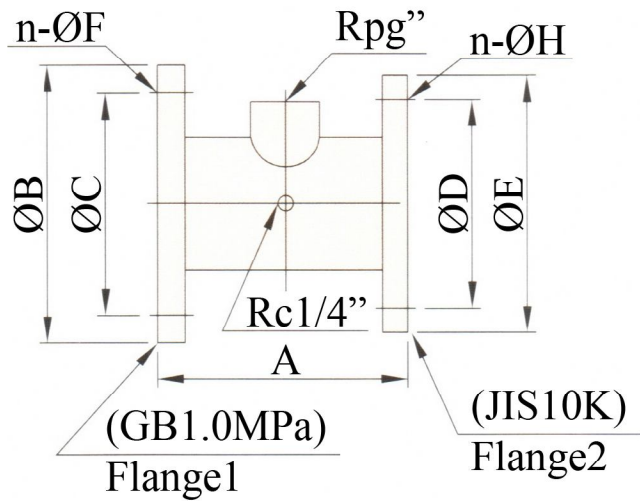
Type	A	ØB	ØC	D	ØE	ØF	n-ØH	Weight (kg)
SSA40	400	140	160	220	105	130	4-Ø15	7.0
SSA50	550	140	160	270	120	155	4-Ø18	11.0
SSA65	550	165	180	270	140	175	4-Ø18	14.7
SSA80	820	210	230	440	150	185	8-Ø18	25.4
SSA100	820	240	275	440	175	210	8-Ø18	28.0
SSA125	1310	280	315	690	210	250	8-Ø22	42.0
SSA150	1310	300	345	690	240	280	8-Ø22	45.3
SSA200	1500	400	460	800	290	330	12-Ø22	67.8
SSA250	1700	400	480	900	355	400	12-Ø22	81.2
SSA300	1825	500	600	940	400	445	16-Ø22	108.0



Horizontal Discharge Silencer

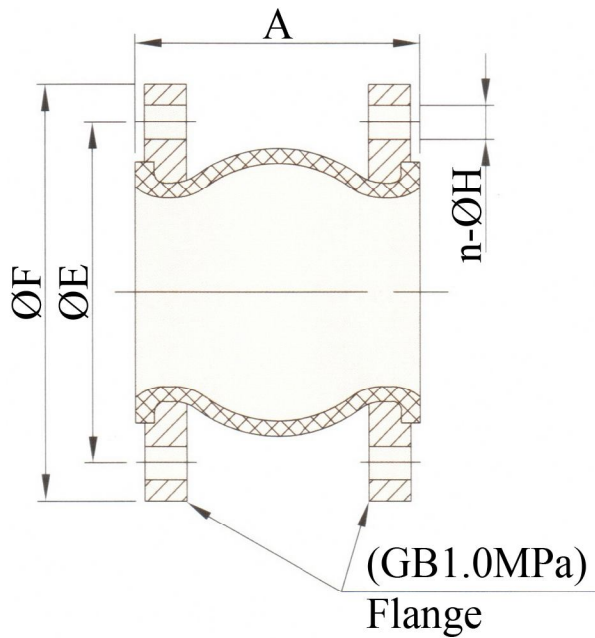
Type	A	ØB	ØE	ØF	n-ØH	Weight (kg)
DSA40	592	140	110	150	4-Ø18	12.2
DSA50	592	140	125	165	4-Ø18	13.0
DSA65	596	165	145	185	4-Ø18	16.8
DSA80	796	218	160	200	8-Ø18	28.3
DSA100	796	240	180	220	8-Ø18	33.3
DSA125	1260	280	210	250	8-Ø18	45.1
DSA150	1264	300	240	285	8-Ø22	49.1
DSA200	1644	400	295	340	8-Ø22	84.0
DSA250	1748	400	350	395	12-Ø22	97.0
DSA300	1848	500	400	445	12-Ø22	135.0





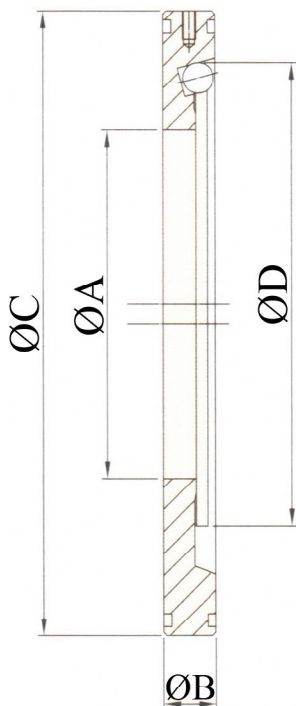
"T" -joint

Type	A	ØB	ØC	n-ØF	ØD	ØE	n-ØH	g	Weight (kg)
TJ40	150	150	110	4-Ø18	120	155	4-Ø18	1¼	7.0
TJ50	150	165	125	4-Ø18	120	155	4-Ø18	1¼	7.3
TJ65	150	185	145	4-Ø18	140	175	4-Ø18	1¼	9.0
TJ80	180	200	160	8-Ø18	150	185	8-Ø18	1¼	9.6
TJ100	180	220	180	8-Ø18	175	210	8-Ø18	2	10.7
TJ125	250	250	210	8-Ø18	210	250	8-Ø22	2	14.5
TJ150	250	285	240	8-Ø22	240	280	8-Ø22	2	20.8
TJ200	250	340	295	8-Ø22	290	330	12-Ø22	3	26.0
TJ250	250	395	350	12-Ø22	355	400	12-Ø22	3	35.0
TJ300	300	445	400	12-Ø22	400	445	16-Ø22	3	44.7



Flexible Connector

Type	A	ØE	ØF	n-ØH	Weight (kg)
FC40	95	110	150	4-Ø18	2.5
FC50	105	125	165	4-Ø18	3.0
FC65	115	145	185	4-Ø18	3.5
FC80	135	160	200	8-Ø18	4.0
FC100	150	180	220	8-Ø18	5.0
FC125	165	210	250	8-Ø18	6.5
FC150	180	240	285	8-Ø22	9.5
FC200	190	295	340	8-Ø22	16.0
FC250	230	350	395	12-Ø22	25.0
FC300	250	400	445	12-Ø22	42.0



Check Valve

Type	ØA	B	ØC	ØD	Weight (kg)
CV50	25	20	104	52.7	1.1
CV65	36	24	124	65.9	1.4
CV80	46	24	134	78.1	1.6
CV100	67	24	159	102	2.3
CV125	88	25	190	127	3.4
CV150	108	26	220	151	5.0
CV200	138	28	270	200	10.0
CV250	185	28	335	251	18.0
CV300	-	181	380	300	48.0

PERFORMANCE PARAMETER TABLE (PRESSURE)

Type	RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-20	2000	0.20	0.23	0.18	0.27	0.16	0.31	0.14	0.35	-	-	-	-	-	-	-	-
	2250	0.24	0.26	0.22	0.31	0.20	0.35	0.18	0.40	-	-	-	-	-	-	-	-
	2500	0.27	0.29	0.25	0.34	0.23	0.39	0.21	0.44	-	-	-	-	-	-	-	-
AB-25	2000	0.27	0.26	0.24	0.31	0.21	0.37	0.18	0.43	-	-	-	-	-	-	-	-
	2250	0.31	0.30	0.28	0.35	0.25	0.42	0.22	0.49	-	-	-	-	-	-	-	-
	2500	0.36	0.33	0.33	0.39	0.30	0.46	0.27	0.54	-	-	-	-	-	-	-	-
AB-32	1750	0.41	0.30	0.37	0.37	0.33	0.44	0.29	0.51	-	-	-	-	-	-	-	-
	2000	0.49	0.34	0.45	0.41	0.41	0.48	0.37	0.55	-	-	-	-	-	-	-	-
	2250	0.57	0.38	0.53	0.45	0.49	0.52	0.45	0.59	-	-	-	-	-	-	-	-
	2500	0.65	0.42	0.61	0.49	0.57	0.56	0.53	0.63	-	-	-	-	-	-	-	-
	2900	0.73	0.46	0.69	0.53	0.65	0.60	0.61	0.67	-	-	-	-	-	-	-	-
AB-40	850	1.03	0.24	0.86	0.48	0.68	0.71	0.47	0.95	0.24	1.18	-	-	-	-	-	-
	950	1.19	0.27	1.01	0.54	0.84	0.80	0.61	1.06	0.45	1.32	-	-	-	-	-	-
	1050	1.34	0.29	1.17	0.59	1.00	0.88	0.76	1.17	0.63	1.46	-	-	-	-	-	-
	1150	1.50	0.33	1.32	0.65	1.15	0.96	0.90	1.28	0.77	1.60	-	-	-	-	-	-
	1250	1.65	0.36	1.48	0.70	1.31	1.05	1.13	1.39	0.91	1.74	0.91	2.08	0.68	2.43	0.53	2.77
	1350	1.81	0.38	1.63	0.76	1.46	1.13	1.29	1.50	1.17	1.88	1.06	2.25	1.00	2.62	0.83	3.00
	1450	1.97	0.41	1.79	0.81	1.62	1.21	1.44	1.61	1.32	2.01	1.22	2.41	1.16	2.82	1.12	3.22
	1550	2.12	0.44	1.93	0.87	1.77	1.30	1.60	1.72	1.48	2.15	1.38	2.58	1.31	3.01	1.27	3.44
	1650	2.28	0.47	2.10	0.92	1.93	1.38	1.75	1.83	1.64	2.29	1.53	2.75	1.47	3.20	1.43	3.66
	1750	2.43	0.49	2.26	0.98	2.09	1.46	1.60	1.94	1.79	2.43	1.69	2.91	1.62	3.40	1.57	3.88
	1850	2.59	0.52	2.41	1.03	2.24	1.54	2.07	2.06	1.95	2.57	1.84	3.08	1.78	3.59	1.74	4.10
	1950	2.74	0.55	2.57	1.09	2.40	1.63	2.22	2.17	2.10	2.71	2.00	3.24	1.93	3.78	1.89	4.32
AB-50	850	1.64	0.40	1.30	0.79	0.97	1.18	0.74	2.58	0.58	1.97	0.44	2.36	0.27	2.75	0.19	3.14
	950	1.90	0.45	1.56	0.89	1.23	1.32	1.00	1.76	0.84	2.20	0.38	2.64	0.62	3.07	0.46	3.51
	1050	2.15	0.49	1.82	0.98	1.49	1.46	1.26	1.94	1.10	2.43	0.92	2.91	0.89	3.40	0.81	3.88
	1150	2.41	0.54	2.08	1.07	1.75	1.60	1.52	2.13	1.36	2.66	1.16	3.19	1.16	3.72	1.07	4.25
	1250	2.67	0.59	2.34	1.16	2.01	1.74	1.78	2.31	1.62	2.89	1.46	3.47	1.44	4.04	1.33	4.62
	1350	2.93	0.63	2.60	1.25	2.27	1.88	2.04	2.50	1.88	3.12	1.78	3.74	1.73	4.36	1.59	4.99
	1450	3.19	0.68	2.85	1.35	2.53	2.01	2.30	2.68	2.14	3.35	2.04	4.02	1.99	4.69	1.85	5.35
	1550	3.45	0.72	3.11	1.44	2.79	2.15	2.55	2.87	2.40	3.58	2.30	4.29	2.25	5.01	2.11	5.72
	1650	3.53	0.77	3.37	1.53	3.04	2.29	2.81	3.05	2.66	3.81	2.56	4.57	2.51	5.33	2.37	6.09
	1750	3.77	0.82	3.63	1.62	3.30	2.43	2.07	3.23	2.92	4.04	2.82	4.85	2.77	5.65	2.63	6.46
	1850	4.02	0.86	3.89	1.71	3.56	2.57	3.33	3.42	3.18	4.27	3.08	5.12	3.03	5.98	2.88	6.83
	1950	4.27	0.91	4.15	1.81	3.82	2.71	3.59	3.60	3.44	4.50	3.33	5.40	3.29	6.30	3.14	7.20
AB-65	850	2.16	0.52	2.05	1.03	1.77	1.54	1.66	2.05	1.50	2.56	1.38	3.06	1.29	3.57	1.15	4.08
	950	2.49	0.58	2.41	1.15	2.11	1.72	1.99	2.29	1.84	2.85	1.72	3.42	1.63	3.99	1.48	4.56
	1050	2.83	0.64	2.78	1.27	2.44	1.90	2.33	2.53	2.18	3.15	2.05	3.78	1.96	4.41	1.82	5.04
	1150	3.17	0.70	3.14	1.39	2.78	2.08	2.67	2.76	2.51	3.45	2.39	4.14	2.30	4.83	2.16	5.52
	1250	3.50	0.76	3.25	1.51	3.12	2.26	3.01	3.00	2.85	3.75	2.73	4.50	2.64	5.25	2.50	6.00
	1350	3.84	0.82	3.58	1.63	3.46	2.44	3.34	3.24	3.19	4.05	3.07	4.86	2.98	5.67	2.83	6.48
	1450	4.18	0.88	3.92	1.75	3.79	2.62	3.66	3.48	3.53	4.35	3.40	5.22	3.31	6.09	3.17	6.96
	1550	4.52	0.94	4.26	1.87	4.13	2.79	4.02	3.72	3.86	4.65	3.74	5.58	3.65	6.51	3.51	7.44
	1650	4.85	1.00	4.60	1.99	4.47	2.97	4.36	3.96	4.20	4.95	4.08	5.94	3.99	6.93	3.84	7.92
	1750	5.19	1.06	4.93	2.11	4.80	3.15	4.69	4.20	4.54	5.25	4.15	6.30	4.33	7.35	4.18	8.39
	1850	5.53	1.12	5.27	2.23	5.14	3.33	5.03	4.44	4.88	5.55	4.75	6.66	4.66	7.77	4.52	8.87
	1950	5.87	1.18	5.61	2.35	5.48	3.51	5.37	4.77	5.21	5.85	5.09	7.02	5.00	8.18	4.86	9.35
AB-80	800	3.84	0.86	3.42	1.71	3.07	2.56	2.60	3.41	2.27	4.26	1.98	5.11	1.56	5.96	1.15	6.81
	900	4.43	0.97	4.02	1.92	3.67	2.88	3.20	3.84	2.87	4.79	1.58	5.75	2.16	6.71	1.74	7.66
	1000	5.03	1.07	4.62	2.14	4.27	3.20	3.80	4.26	3.47	5.33	3.18	6.39	2.76	7.45	2.33	7.51
	1100	5.62	1.17	5.21	2.35	4.87	3.52	4.40	4.69	4.07	5.86	3.78	7.03	3.36	8.20	2.94	9.36
	1200	6.23	1.29	5.81	2.56	5.47	3.84	5.00	5.11	4.67	6.39	4.37	7.66	3.96	8.94	3.54	10.22
	1300	6.83	1.39	6.41	2.77	6.06	4.16	6.60	5.54	5.27	6.92	4.97	8.30	4.56	9.68	4.14	11.07
	1400	7.43	1.50	7.01	2.99	6.66	4.47	6.20	5.96	5.87	7.45	5.57	8.94	5.16	10.43	4.74	11.92
	1500	8.03	1.60	7.61	3.20	7.26	4.79	6.80	6.39	6.46	7.98	6.17	9.58	5.76	11.17	5.34	12.77
	1600	8.63	1.71	8.21	3.41	7.86	5.11	7.39	6.81	7.06	8.51	6.77	10.22	6.35	11.92	5.94	13.62
	1650	8.93	1.76	8.51	3.52	8.16	5.27	7.69	7.03	7.36	8.78	7.07	10.53	6.65	12.29	6.24	14.04
	1750	9.52	1.87	9.11	3.73	8.76	5.59	8.29	7.45	7.96	9.31	7.67	11.17	7.25	13.03	6.83	14.89
	1850	10.12	1.98	9.10	3.94	9.36	5.91	8.89	7.88	8.56	9.84	8.27	11.81	7.85	13.78	7.43	15.74
	1950	10.72	2.08	10.30	4.16	9.96	6.23	9.49	8.30	9.16	10.37	8.86	12.45	8.45	14.52	8.03	16.59

PERFORMANCE PARAMETER TABLE (PRESSURE)

Type	RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-100	850	5.70	1.20	5.11	2.39	4.53	3.58	4.20	4.77	3.97	5.96	3.82	7.15	3.49	8.34	3.35	9.53
	950	6.54	1.35	5.95	2.69	5.37	4.03	5.04	5.37	4.80	6.71	4.66	8.05	4.33	9.39	4.19	10.73
	1000	7.38	1.50	6.78	2.99	6.21	4.47	5.88	5.96	5.64	7.45	5.50	8.93	5.17	10.43	5.03	11.92
	1100	8.22	1.65	7.62	3.28	7.05	4.92	6.72	6.56	6.48	8.20	6.34	9.83	6.01	11.47	5.87	13.11
	1200	9.05	1.80	8.46	3.58	7.88	5.37	7.56	7.15	7.32	8.94	7.18	10.73	6.84	12.51	6.70	14.30
	1300	9.89	1.94	9.30	3.88	8.72	5.81	8.39	7.75	8.16	9.68	8.02	11.62	7.68	13.55	7.54	15.49
	1400	10.73	2.09	10.14	4.18	9.56	6.26	9.23	8.34	9.00	10.43	8.85	12.51	8.52	14.60	8.38	16.68
	1500	11.77	2.24	10.98	4.47	10.40	6.71	10.07	8.94	9.83	11.17	9.69	13.40	9.36	15.64	9.22	17.87
	1600	12.41	2.39	11.81	4.77	11.24	7.15	10.91	9.53	10.67	11.92	10.53	14.30	10.20	16.68	10.06	19.06
	1650	12.83	2.47	12.23	4.92	11.66	7.38	11.33	9.83	11.09	12.29	10.95	14.74	10.62	17.20	10.48	19.67
	1750	13.66	2.61	13.07	5.22	12.50	7.82	12.17	10.43	11.93	13.03	11.79	15.64	11.46	18.24	11.31	20.85
	1850	14.50	2.76	13.91	5.52	13.33	8.27	13.00	11.02	12.77	13.78	12.63	16.53	12.29	19.28	12.15	22.04
	1950	15.34	2.91	14.75	5.81	14.17	8.72	13.84	11.62	13.61	14.52	13.46	17.42	13.13	20.32	12.99	23.23
AB-125A	780	8.30	1.71	7.61	3.41	6.99	5.11	6.29	6.81	5.56	8.51	5.12	10.22	4.75	11.92	4.25	13.62
	830	8.91	1.82	8.23	3.63	7.60	5.44	6.90	7.25	6.17	9.06	5.73	10.87	5.36	12.68	4.86	14.49
	880	9.53	1.93	8.84	3.85	8.22	5.77	7.52	7.69	6.79	9.60	6.35	11.52	5.97	13.44	5.47	15.36
	990	10.88	2.17	10.19	4.33	9.57	6.49	8.87	8.65	8.14	10.80	7.70	12.96	7.33	15.12	6.82	15.36
	1050	11.62	2.30	10.93	4.59	10.31	6.88	9.60	9.17	8.87	11.46	8.43	13.75	8.07	16.04	7.56	17.28
	1100	12.23	2.41	11.84	4.81	10.92	7.21	10.22	9.60	9.49	12.00	9.05	14.40	8.67	16.80	8.18	18.33
	1180	13.21	2.58	12.52	5.16	11.90	7.73	11.20	10.30	10.47	12.88	10.03	15.45	9.67	18.02	9.16	19.20
	1250	14.07	2.74	13.38	5.46	12.76	8.19	12.06	10.91	11.33	13.64	10.89	16.36	10.52	19.09	10.02	20.60
	1320	14.93	2.89	14.24	5.77	13.62	8.65	12.92	11.52	12.19	14.40	11.75	17.28	11.38	20.16	10.88	21.82
	1390	15.79	3.04	15.10	6.07	14.48	9.10	13.78	12.13	13.05	15.17	12.61	18.20	12.24	21.23	11.74	23.04
	1470	16.78	3.22	16.09	6.42	15.46	9.63	14.76	12.83	14.03	16.04	13.59	19.24	13.22	22.45	12.82	25.65
	1560	17.88	3.41	17.19	6.81	16.57	10.22	15.87	13.62	15.14	17.02	14.70	20.42	14.33	23.82	13.83	27.22
	1650	18.99	3.61	18.30	7.21	17.67	10.80	16.97	14.40	16.24	18.00	15.80	21.60	15.43	25.20	14.93	28.79
	1750	20.21	3.83	19.53	7.64	18.90	11.46	18.20	15.27	17.47	19.09	17.03	22.91	16.66	26.72	16.16	30.54
	1850	21.44	4.04	20.75	8.08	20.13	12.11	19.43	16.15	18.70	20.18	18.26	24.22	17.89	28.25	17.39	32.28
AB-125	780	11.74	2.50	10.58	4.98	9.80	7.47	8.95	9.95	8.52	12.44	7.89	14.93	7.83	17.41	7.18	19.90
	830	12.64	2.66	11.48	5.30	10.70	7.95	9.84	10.59	9.41	12.24	8.79	15.88	8.72	18.53	8.08	21.17
	880	13.54	2.81	12.38	6.62	11.60	8.42	10.74	11.23	10.31	14.03	9.68	16.84	9.62	19.64	8.98	22.45
	990	15.51	3.17	14.35	6.32	13.57	9.48	12.72	12.63	12.29	15.79	11.66	18.94	11.60	22.10	10.95	25.25
	1050	16.59	3.36	15.43	6.70	14.65	10.05	13.79	13.40	13.36	16.74	12.73	20.09	12.67	23.44	12.03	26.78
	1100	17.49	3.52	16.33	7.02	15.55	10.53	14.69	14.03	14.26	17.54	13.63	21.05	13.57	24.55	12.93	28.06
	1180	18.93	3.77	17.78	7.53	16.98	11.29	16.13	15.05	15.70	18.81	15.07	22.57	15.01	26.34	14.36	30.10
	1250	20.18	3.99	19.02	7.98	18.24	11.96	17.38	15.95	16.95	19.93	16.32	23.91	16.26	27.90	15.62	31.88
	1320	21.44	4.22	20.28	8.42	19.50	12.63	18.64	16.84	18.21	21.05	17.58	25.25	17.52	29.46	16.88	33.67
	1390	22.70	4.44	21.54	8.87	20.75	13.30	19.90	17.73	19.47	22.16	18.84	26.59	18.78	31.02	18.13	35.45
	1470	24.13	4.70	22.97	9.38	22.19	14.07	21.33	18.75	20.90	23.44	20.27	28.12	20.21	32.09	19.57	37.49
	1560	25.75	4.98	24.59	9.95	23.80	14.93	23.95	18.90	22.52	24.87	21.89	29.84	21.83	34.81	21.18	39.79
	1650	27.36	5.27	26.20	10.53	25.42	15.79	24.56	21.05	24.13	26.30	23.51	31.56	23.44	36.82	22.80	42.08
	1750	29.16	5.59	28.00	11.16	27.21	16.74	26.36	22.32	25.93	27.90	25.30	33.47	25.24	39.05	24.60	44.63
	1850	30.95	5.91	29.79	11.80	29.01	17.70	28.15	23.59	27.72	29.49	27.10	35.39	27.03	41.28	26.39	47.18
AB-150	780	15.05	3.22	13.50	6.42	12.71	9.63	11.99	12.83	11.52	16.04	10.80	19.24	10.20	22.45	9.73	25.65
	830	16.21	3.42	14.66	6.83	13.87	10.24	13.14	13.65	12.67	17.07	11.96	20.48	11.36	23.89	10.89	27.30
	880	17.37	3.63	15.82	7.24	15.03	10.86	14.30	14.48	13.83	18.09	13.12	21.71	12.52	25.33	12.05	28.94
	990	19.91	4.08	18.36	8.15	17.57	12.22	19.85	16.28	16.38	20.35	15.66	24.42	15.06	28.49	14.59	32.56
	1050	21.30	4.33	19.75	8.64	18.96	12.96	18.24	17.27	17.77	21.59	17.05	25.90	16.45	30.22	15.98	34.53
	1100	22.46	4.53	20.91	9.05	20.12	13.57	19.39	18.09	18.92	22.61	18.21	27.13	17.61	31.65	17.14	36.18
	1180	24.31	4.86	22.76	9.71	21.97	14.56	21.24	19.41	20.78	24.26	20.06	29.11	19.46	33.96	18.99	38.81
	1250	25.93	5.15	24.38	10.28	23.59	15.42	22.87	20.56	22.40	25.70	21.68	30.83	21.08	35.97	20.61	41.11
	1320	27.55	5.43	26.00	10.86	25.21	16.28	24.49	21.71	24.02	27.13	23.30	32.56	22.70	37.98	22.23	43.41
	1390	29.17	5.72	27.62	11.43	26.83	17.15	26.11	22.86	25.64	28.57	24.92	34.28	24.32	40.00	23.85	45.71
	1470	31.03	6.05	29.47	12.09	28.69	18.13	27.96	24.18	27.49	30.22	26.77	36.26	26.18	42.30	25.70	48.34
	1560	33.11	6.42	31.56	12.83	30.77	19.24	30.04	25.65	29.57	32.07	28.86	38.48	28.26	44.89	27.79	51.30
	1650	35.19	6.79	33.64	13.57	32.85	20.35	32.12	27.13	31.66	33.92	30.94	40.70	30.34	47.48	29.87	54.26
	1750	37.51	7.20	35.96	14.39	35.17	21.59	34.44	28.78	33.97	35.97	33.25	43.16	32.66	50.35	32.19	57.55
	1850	39.82	7.61	38.27	15.22	37.48	22.82	36.75	30.42	36.29	38.02	35.57	45.63	34.97	53.23	34.50	60.83

PERFORMANCE PARAMETER TABLE (PRESSURE)

Type	RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-200A	620	18.87	5.84	17.51	9.63	16.53	13.42	15.66	17.21	14.88	21.39	14.20	25.28	13.51	28.20	12.81	31.12
	660	20.23	6.13	18.96	10.31	17.99	14.20	17.12	18.28	16.34	22.37	15.66	26.25	14.98	30.14	14.31	34.03
	700	21.69	6.43	20.42	10.80	19.35	14.98	18.48	19.45	17.70	23.34	17.02	28.20	16.44	32.09	15.72	37.98
	740	23.14	6.91	21.78	11.38	20.81	15.95	19.94	20.41	19.15	25.31	18.48	29.21	17.90	34.01	17.23	38.81
	780	24.60	7.21	23.24	11.87	22.27	16.83	21.29	22.41	20.62	26.21	19.74	31.11	19.26	36.91	18.65	42.71
	830	26.35	7.59	24.99	12.74	24.02	17.80	23.14	23.34	22.37	28.20	21.69	33.06	21.10	38.89	20.44	44.72
	880	28.10	7.98	26.74	13.41	25.77	18.77	24.89	24.31	24.12	29.17	23.44	35.00	22.85	40.83	22.11	46.61
	930	29.95	8.37	28.59	14.09	27.90	19.45	26.74	25.28	25.95	31.11	25.28	36.95	24.60	42.78	23.93	48.71
	990	32.09	8.95	30.73	14.88	29.75	21.39	28.88	27.23	28.11	33.06	27.42	39.86	26.74	45.69	26.01	51.51
	1050	34.22	9.44	32.86	15.85	31.89	22.37	21.02	28.20	30.24	35.98	29.56	41.81	28.88	48.61	28.25	55.41
	1110	36.36	9.92	35.00	16.63	34.03	23.34	33.16	30.14	32.38	37.92	31.70	44.72	31.02	50.55	30.33	56.31
	1180	38.79	10.51	37.53	17.70	36.46	25.28	35.59	32.09	34.91	39.86	34.13	46.67	33.54	53.47	32.84	60.11
	1250	41.32	11.09	39.96	18.87	38.99	26.25	38.11	34.03	37.34	41.81	36.65	49.58	36.07	57.36	35.42	65.01
	1320	43.85	11.67	42.49	19.45	41.42	28.20	40.64	36.95	39.86	44.72	39.18	52.50	38.50	60.27	37.81	68.11
	1390	46.28	13.35	45.01	20.42	43.94	29.17	43.07	37.92	42.29	46.67	41.61	55.41	41.03	63.19	40.32	71.01
AB-200	620	24.31	7.01	22.61	11.91	21.21	16.81	20.11	22.01	19.21	26.01	18.21	32.01	17.41	37.01	16.71	42.01
	660	26.11	7.51	24.41	12.71	23.11	17.91	22.01	23.01	21.01	28.01	20.11	34.01	19.31	39.01	18.61	44.01
	700	27.91	7.91	26.21	13.41	24.91	18.91	23.81	24.01	22.81	30.01	21.91	37.01	21.11	42.01	20.31	47.01
	740	29.81	8.31	28.11	14.11	26.71	20.01	25.61	26.01	24.71	31.01	23.71	38.01	23.01	44.01	22.31	50.01
	780	21.61	8.71	29.91	14.91	28.61	21.01	27.51	27.01	26.51	33.01	25.61	40.01	24.81	46.01	24.11	52.01
	830	33.91	9.41	32.21	15.91	30.09	23.01	29.71	29.01	28.71	37.01	27.91	43.01	27.11	49.01	26.41	55.01
	880	36.21	10.01	34.41	16.91	33.11	24.01	32.01	31.01	31.11	39.01	30.21	45.01	29.41	52.01	28.71	59.01
	930	38.51	10.41	36.81	17.71	25.41	25.01	34.31	32.01	33.41	40.01	32.51	47.01	31.71	54.01	31.01	61.01
	990	41.21	11.01	39.51	18.81	38.21	26.01	37.11	34.01	36.11	43.01	35.21	50.01	34.41	58.01	33.71	66.01
	1050	44.01	11.61	42.31	21.01	40.91	28.01	39.81	37.01	38.91	45.01	38.01	53.01	37.21	61.01	36.51	69.01
	1110	46.71	12.21	45.01	21.01	43.71	30.01	43.61	39.01	41.61	48.01	40.71	56.01	39.91	65.01	39.21	74.01
	1180	49.91	13.11	48.21	22.01	46.91	31.01	45.81	41.01	44.81	50.01	43.91	59.01	43.11	68.01	42.41	77.01
	1250	53.11	13.81	51.41	24.01	51.11	33.01	49.01	44.01	48.01	53.01	47.11	63.01	46.31	72.01	45.61	83.01
	1320	56.31	14.51	54.61	25.01	53.31	35.01	52.21	46.01	51.21	56.01	50.31	66.01	49.51	77.01	48.81	88.01
	1390	59.51	15.21	57.81	26.01	56.51	38.01	55.41	48.01	54.41	59.01	53.61	70.01	52.71	81.01	51.71	92.01
AB-250	620	33.01	9.12	31.01	15.66	29.51	22.52	28.21	30.03	27.01	35.39	25.91	42.89	25.41	48.25	24.51	53.61
	660	35.51	9.77	33.51	16.93	32.01	23.59	30.61	31.10	29.51	37.53	28.41	45.03	27.41	50.39	26.51	55.75
	700	37.81	10.30	35.91	17.70	34.31	25.74	33.01	32.17	32.01	40.75	30.91	48.25	29.91	54.37	29.21	61.11
	740	40.31	10.84	38.41	18.66	36.81	26.81	35.51	34.31	34.31	42.89	33.31	50.39	32.41	57.90	31.61	65.41
	780	42.81	11.37	40.71	19.73	39.21	27.88	38.01	36.46	36.81	45.03	35.81	52.54	34.81	61.11	34.01	69.68
	830	45.91	12.01	43.81	20.91	42.21	30.01	41.01	38.61	39.91	48.25	38.81	55.75	37.81	64.33	37.01	72.91
	880	48.91	12.66	46.91	22.52	45.31	31.11	44.11	40.75	42.91	50.39	41.91	58.97	41.01	68.62	40.01	78.27
	930	52.01	13.41	51.01	23.59	48.51	32.17	47.31	42.89	46.01	52.54	44.91	62.19	44.61	71.83	43.51	81.47
	990	55.61	14.16	53.61	24.67	52.11	34.31	50.81	46.11	49.61	55.75	48.71	66.47	47.71	77.19	46.51	87.91
	1050	59.31	15.01	57.41	25.74	55.71	36.46	54.51	48.25	53.31	59.01	52.31	69.89	51.41	81.48	50.61	93.07
	1110	63.01	15.76	61.01	27.88	59.41	39.67	58.11	51.47	57.01	62.19	56.01	73.98	55.01	85.77	54.21	97.56
	1180	67.21	16.73	65.31	28.95	63.71	41.81	62.41	54.68	61.31	66.47	60.31	79.34	59.31	91.13	58.41	102.91
	1250	71.51	17.81	69.61	31.10	68.01	45.03	66.71	58.62	65.51	69.89	64.51	83.63	63.61	96.49	62.71	109.31
	1320	75.81	18.77	73.91	32.17	72.31	47.18	71.01	60.01	69.81	73.98	68.81	87.91	67.91	101.51	67.11	115.11
	1390	80.11	19.73	78.01	34.31	76.51	49.32	75.51	63.26	74.11	78.27	73.11	93.27	72.01	108.31	71.21	123.31
AB-300A	700	51.61	14.11	49.01	24.21	46.91	35.11	45.11	44.01	43.71	55.71	42.21	65.91	40.71	76.11	39.21	86.31
	850	63.91	17.01	60.07	29.21	58.01	42.61	55.91	53.31	54.11	67.71	52.31	80.01	51.41	92.31	48.51	104.61
	1000	76.81	19.51	74.01	34.01	72.01	47.31	70.11	63.71	68.71	76.91	67.31	92.61	65.81	108.31	64.31	124.01
	1150	90.01	22.51	86.71	39.11	84.41	54.41	82.11	73.21	80.71	88.41	78.91	106.41	77.21	124.41	75.31	142.41
	1300	101.61	25.11	99.01	43.11	96.91	63.21	95.11	80.41	93.51	99.11	92.21	117.81	90.91	136.41	89.61	155.01
	1450	115.51	28.01	112.61	48.11	110.11	70.51	108.31	89.71	106.41	110.61	104.81	134.01	103.21	157.51	101.61	181.01
	1550	126.01	30.01	120.51	51.41	120.21	75.41	117.91	95.91	115.61	122.41	114.21	146.11	112.71	169.81	111.21	193.51
AB-300	600	71.21	18.11	68.01	33.81	65.31	48.11	62.61	61.41	60.51	73.61	58.51	84.91	56.81	95.51	55.31	105.21
	700	85.51	20.81	81.41	39.21	78.71	55.91	76.01	71.41	73.91	85.61	71.91	98.81	70.21	111.11	68.71	122.51
	800	98.51	23.71	94.81	44.71	92.11	63.81	89.41	71.41	87.31	97.71	85.31	112.71	83.61	126.81	82.11	139.81
	900	111.51	26.61	108.21	50.11	105.61	71.61	102.91	91.41	100.81	109.71	98.81	126.71	97.11	142.41	95.61	157.11
	1000	124.51	29.61	121.61	57.01	118.91	80.91	116.21	102.91	114.11	123.31	112.11	142.11	110.41	159.61	108.91	176.01
	1100	138.11	34.51	135.11	63.91	132.41	90.21	129.71	114.41	127.61	136.81	125.61	157.61	123.91	176.91	122.41	194.81
	1200	151.71	39.51	148.51	70.81	145.81	99.51	143.11	125.91	141.01	150.41	139.01	173.01	137.31	194.11	135.81	213.71
	1300	165.31	55.51	162.11	83.61	159.41	108.81	156.71	137.41	154.61	164.01	152.61	188.41	150.91	211.31	149.41	232.61

PERFORMANCE PARAMETER TABLE (VACUUM)

Type	RPM	-1000mmAq		-2000mmAq		-3000mmAq		-4000mmAq		-5000mmAq		-6000mmAq		-7000mmAq		-8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-20	2000	0.22	0.23	0.20	0.27	0.18	0.31	0.16	0.35	-	-	-	-	-	-	-	-
	2250	0.26	0.26	0.24	0.31	0.22	0.35	0.20	0.40	-	-	-	-	-	-	-	-
	2500	0.29	0.29	0.27	0.34	0.25	0.39	0.23	0.44	-	-	-	-	-	-	-	-
AB-25	2000	0.29	0.26	0.26	0.31	0.23	0.37	0.20	0.43	-	-	-	-	-	-	-	-
	2250	0.33	0.30	0.30	0.35	0.27	0.42	0.24	0.49	-	-	-	-	-	-	-	-
	2500	0.38	0.33	0.35	0.39	0.32	0.46	0.29	0.54	-	-	-	-	-	-	-	-
AB-32	1750	0.43	0.30	0.39	0.37	0.35	0.44	0.31	0.51	-	-	-	-	-	-	-	-
	2000	0.51	0.34	0.47	0.41	0.43	0.48	0.39	0.55	-	-	-	-	-	-	-	-
	2250	0.59	0.38	0.55	0.45	0.51	0.52	0.47	0.59	-	-	-	-	-	-	-	-
	2500	0.67	0.42	0.63	0.49	0.59	0.56	0.55	0.63	-	-	-	-	-	-	-	-
	2900	0.75	0.46	0.71	0.53	0.67	0.60	0.63	0.67	-	-	-	-	-	-	-	-
AB-40	850	1.05	0.24	0.88	0.48	0.70	0.71	0.49	0.95	0.26	1.18	-	-	-	-	-	-
	950	1.21	0.27	1.03	0.54	0.86	0.80	0.63	1.06	0.47	1.32	-	-	-	-	-	-
	1050	1.36	0.29	1.19	0.59	1.02	0.88	0.78	1.17	0.65	1.46	-	-	-	-	-	-
	1150	1.52	0.33	1.34	0.65	1.17	0.96	0.92	1.28	0.79	1.60	-	-	-	-	-	-
	1250	1.67	0.36	1.50	0.70	1.33	1.05	1.15	1.39	0.93	1.74	0.93	2.08	0.70	2.43	0.55	2.77
	1350	1.83	0.38	1.65	0.76	1.48	1.13	1.31	1.50	1.19	1.88	1.08	2.25	1.02	2.62	0.85	3.00
	1450	1.99	0.41	1.81	0.81	1.64	1.21	1.46	1.61	1.34	2.01	1.24	2.41	1.18	2.82	1.14	3.22
	1550	2.14	0.44	1.95	0.87	1.79	1.30	1.62	1.72	1.50	2.15	1.40	2.58	1.33	3.01	1.29	3.44
	1650	2.30	0.47	2.12	0.92	1.95	1.38	1.77	1.83	1.66	2.29	1.55	2.75	1.49	3.20	1.45	3.66
	1750	2.45	0.49	2.28	0.98	2.11	1.46	1.62	1.94	1.81	2.43	1.71	2.91	1.64	3.40	1.59	3.88
	1850	2.61	0.52	2.43	1.03	2.26	1.54	2.09	2.06	1.97	2.57	1.86	3.08	1.80	3.59	1.76	4.10
	1950	2.76	0.55	2.59	1.09	2.42	1.63	2.24	2.17	2.12	2.71	2.02	3.24	1.95	3.78	1.91	4.32
AB-50	850	1.66	0.40	1.32	0.79	0.99	1.18	0.76	2.58	0.60	1.97	0.46	2.36	0.29	2.75	0.21	3.14
	950	1.92	0.45	1.58	0.89	1.25	1.32	1.02	1.76	0.86	2.20	0.40	2.64	0.64	3.07	0.48	3.51
	1050	2.17	0.49	1.84	0.98	1.51	1.46	1.28	1.94	1.12	2.43	0.94	2.91	0.91	3.40	0.83	3.88
	1150	2.43	0.54	2.10	1.07	1.77	1.60	1.54	2.13	1.38	2.66	1.18	3.19	1.18	3.72	1.09	4.25
	1250	2.69	0.59	2.36	1.16	2.03	1.74	1.80	2.31	1.64	2.89	1.48	3.47	1.46	4.04	1.35	4.62
	1350	2.95	0.63	2.62	1.25	2.29	1.88	2.06	2.50	1.90	3.12	1.80	3.74	1.75	4.36	1.61	4.99
	1450	3.21	0.68	2.87	1.35	2.55	2.01	2.32	2.68	2.16	3.35	2.06	4.02	2.01	4.69	1.87	5.35
	1550	3.47	0.72	3.13	1.44	2.81	2.15	2.57	2.87	2.42	3.58	2.32	4.29	2.27	5.01	2.13	5.72
	1650	3.55	0.77	3.39	1.53	3.06	2.29	2.83	3.05	2.68	3.81	2.58	4.57	2.53	5.33	2.39	6.09
	1750	3.79	0.82	3.65	1.62	3.32	2.43	2.09	3.23	2.94	4.04	2.84	4.85	2.79	5.65	2.65	6.46
	1850	4.04	0.86	3.91	1.71	3.58	2.57	3.35	3.42	3.20	4.27	3.10	5.12	3.05	5.98	2.90	6.83
	1950	4.29	0.91	4.17	1.81	3.84	2.71	3.61	3.60	3.46	4.50	3.35	5.40	3.31	6.30	3.16	7.20
AB-65	850	2.18	0.52	2.07	1.03	1.79	1.54	1.68	2.05	1.52	2.56	1.40	3.06	1.31	3.57	1.17	4.08
	950	2.51	0.58	2.43	1.15	2.13	1.72	2.01	2.29	1.86	2.85	1.74	3.42	1.65	3.99	1.50	4.56
	1050	2.85	0.64	2.80	1.27	2.46	1.90	2.35	2.53	2.20	3.15	2.07	3.78	1.98	4.41	1.84	5.04
	1150	3.19	0.70	3.16	1.39	2.80	2.08	2.69	2.76	2.53	3.45	2.41	4.14	2.32	4.83	2.18	5.52
	1250	3.52	0.76	3.27	1.51	3.14	2.26	3.03	3.00	2.87	3.75	2.75	4.50	2.66	5.25	2.52	6.00
	1350	3.86	0.82	3.60	1.63	3.48	2.44	3.36	3.24	3.21	4.05	3.09	4.86	3.00	5.67	2.85	6.48
	1450	4.20	0.88	3.94	1.75	3.81	2.62	3.68	3.48	3.55	4.35	3.42	5.22	3.33	6.09	3.19	6.96
	1550	4.54	0.94	4.28	1.87	4.15	2.79	4.04	3.72	3.88	4.65	3.76	5.58	3.67	6.51	3.53	7.44
	1650	4.87	1.00	4.62	1.99	4.49	2.97	4.38	3.96	4.22	4.95	4.10	5.94	4.01	6.93	3.86	7.92
	1750	5.21	1.06	4.95	2.11	4.82	3.15	4.71	4.20	4.56	5.25	4.17	6.30	4.35	7.35	4.20	8.39
	1850	5.55	1.12	5.29	2.23	5.16	3.33	5.05	4.44	4.90	5.55	4.77	6.66	4.68	7.77	4.54	8.87
	1950	5.89	1.18	5.63	2.35	5.50	3.51	5.39	4.77	5.23	5.85	5.11	7.02	5.02	8.18	4.88	9.35
AB-80	800	3.86	0.86	3.44	1.71	3.09	2.56	2.62	3.41	2.29	4.26	2.00	5.11	1.58	5.96	1.17	6.81
	900	4.45	0.97	4.04	1.92	3.69	2.88	3.22	3.84	2.89	4.79	1.60	5.75	2.18	6.71	1.76	7.66
	1000	5.05	1.07	4.64	2.14	4.29	3.20	3.82	4.26	3.49	5.33	3.20	6.39	2.78	7.45	2.35	7.51
	1100	5.64	1.17	5.23	2.35	4.89	3.52	4.42	4.69	4.09	5.86	3.80	7.03	3.38	8.20	2.96	9.36
	1200	6.25	1.29	5.83	2.56	5.49	3.84	5.02	5.11	4.69	6.39	4.39	7.66	3.98	8.94	3.56	10.22
	1300	6.85	1.39	6.43	2.77	6.08	4.16	5.62	5.54	5.29	6.92	4.99	8.30	4.58	9.68	4.16	11.07
	1400	7.45	1.50	7.03	2.99	6.68	4.47	6.22	5.96	5.89	7.45	5.59	8.94	5.18	10.43	4.76	11.92
	1500	8.05	1.60	7.63	3.20	7.28	4.79	6.82	6.39	6.48	7.98	6.19	9.58	5.78	11.17	5.36	12.77
	1600	8.65	1.71	8.23	3.41	7.88	5.11	7.41	6.81	7.08	8.51	6.79	10.22	6.37	11.92	5.96	13.62
	1650	8.95	1.76	8.53	3.52	8.18	5.27	7.71	7.03	7.38	8.78	7.09	10.53	6.67	12.29	6.26	14.04
	1750	9.54	1.87	9.13	3.73	8.78	5.59	8.31	7.45	7.98	9.31	7.69	11.17	7.27	13.03	6.85	14.89
	1850	10.14	1.98	9.72	3.94	9.38	5.91	8.91	7.88	8.58	9.84	8.29	11.81	7.87	13.78	7.45	15.74
	1950	10.74	2.08	10.32	4.16	9.98	6.23	9.51	8.30	9.18	10.37	8.88	12.45	8.47	14.52	8.05	16.59

PERFORMANCE PARAMETER TABLE (VACUUM)

Type	RPM	-1000mmAq		-2000mmAq		-3000mmAq		-4000mmAq		-5000mmAq		-6000mmAq		-7000mmAq		-8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-100	850	5.72	1.20	5.13	2.39	4.55	3.58	4.22	4.77	3.99	5.96	3.84	7.15	3.51	8.34	3.37	9.53
	950	6.56	1.35	5.97	2.69	5.39	4.03	5.06	5.37	4.82	6.71	4.68	8.05	4.35	9.39	4.21	10.73
	1000	7.40	1.50	6.80	2.99	6.23	4.47	5.90	5.96	5.66	7.45	5.52	8.93	5.19	10.43	5.05	11.92
	1100	8.24	1.65	7.64	3.28	7.07	4.92	6.74	6.56	6.50	8.20	6.36	9.83	6.03	11.47	5.89	13.11
	1200	9.07	1.80	8.48	3.58	7.90	5.37	7.58	7.15	7.34	8.94	7.20	10.73	6.86	12.51	6.72	14.30
	1300	9.91	1.94	9.32	3.88	8.74	5.81	8.41	7.75	8.18	9.68	8.04	11.62	7.70	13.55	7.56	15.49
	1400	10.75	2.09	10.16	4.18	9.58	6.26	9.25	8.34	9.02	10.43	8.87	12.51	8.54	14.60	8.40	16.68
	1500	11.79	2.24	11.00	4.47	10.42	6.71	10.09	8.94	9.85	11.17	9.71	13.40	9.38	15.64	9.24	17.87
	1600	12.43	2.39	11.83	4.77	11.26	7.15	10.93	9.53	10.69	11.92	10.55	14.30	10.22	16.68	10.08	19.06
	1650	12.85	2.47	12.25	4.92	11.68	7.38	11.35	9.83	11.11	12.29	10.97	14.74	10.64	17.20	10.50	19.67
	1750	13.68	2.61	13.09	5.22	12.52	7.82	12.19	10.43	11.95	13.03	11.81	15.64	11.48	18.24	11.33	20.85
	1850	14.52	2.76	13.93	5.52	13.35	8.27	13.02	11.02	12.79	13.78	12.65	16.53	12.31	19.28	12.17	22.04
	1950	15.36	2.91	14.77	5.81	14.19	8.72	13.86	11.62	13.63	14.52	13.48	17.42	13.15	20.32	13.01	23.23
AB-125A	780	8.32	1.71	7.63	3.41	7.01	5.11	6.31	6.81	5.58	8.51	5.14	10.22	4.77	11.92	4.27	13.62
	830	8.93	1.82	8.25	3.63	7.62	5.44	6.92	7.25	6.19	9.06	5.75	10.87	5.38	12.68	4.88	14.49
	880	9.55	1.93	8.86	3.85	8.24	5.77	7.54	7.69	6.81	9.60	6.37	11.52	5.99	13.44	5.49	15.36
	990	10.90	2.17	10.21	4.33	9.59	6.49	8.89	8.65	8.16	10.80	7.72	12.96	7.35	15.12	6.84	15.36
	1050	11.64	2.30	10.95	4.59	10.33	6.88	9.62	9.17	8.89	11.46	8.45	13.75	8.09	16.04	7.58	17.28
	1100	12.25	2.41	11.86	4.81	10.94	7.21	10.24	9.60	9.51	12.00	9.07	14.40	8.69	16.80	8.20	18.33
	1180	13.23	2.58	12.54	5.16	11.92	7.73	11.22	10.30	10.49	12.88	10.05	15.45	9.69	18.02	9.18	19.20
	1250	14.09	2.74	13.40	5.46	12.78	8.19	12.08	10.91	11.35	13.64	10.91	16.36	10.54	19.09	10.04	20.60
	1320	14.95	2.89	14.26	5.77	13.64	8.65	12.94	11.52	12.21	14.40	11.77	17.28	11.40	20.16	10.90	21.82
	1390	15.81	3.04	15.12	6.07	14.50	9.10	13.80	12.13	13.07	15.17	12.63	18.20	12.26	21.23	11.76	23.04
	1470	16.80	3.22	16.11	6.42	15.48	9.63	14.78	12.83	14.05	16.04	13.61	19.24	13.24	22.45	12.84	25.65
	1560	17.90	3.41	17.21	6.81	16.59	10.22	15.89	13.62	15.16	17.02	14.72	20.42	14.35	23.82	13.85	27.22
	1650	19.01	3.61	18.32	7.21	17.69	10.80	16.99	14.40	16.26	18.00	15.82	21.60	15.45	25.20	14.95	28.79
	1750	20.23	3.83	19.55	7.64	18.92	11.46	18.22	15.27	17.49	19.09	17.05	22.91	16.68	26.72	16.18	30.54
	1850	21.46	4.04	20.77	8.08	20.15	12.11	19.45	16.15	18.72	20.18	18.28	24.22	17.91	28.25	17.41	32.28
AB-125	780	11.76	2.50	10.60	4.98	9.82	7.47	8.97	9.95	8.54	12.44	7.91	14.93	7.85	17.41	7.20	19.90
	830	12.66	2.66	11.50	5.30	10.72	7.95	9.86	10.59	9.43	12.24	8.81	15.88	8.74	18.53	8.10	21.17
	880	13.56	2.81	12.40	6.62	11.62	8.42	10.76	11.23	10.33	14.03	9.70	16.84	9.64	19.64	9.00	22.45
	990	15.53	3.17	14.37	6.32	13.59	9.48	12.74	12.63	12.31	15.79	11.68	18.94	11.62	22.10	10.97	25.25
	1050	16.61	3.36	15.45	6.70	14.67	10.05	13.81	13.40	13.38	16.74	12.75	20.09	12.69	23.44	12.05	26.78
	1100	17.51	3.52	16.35	7.02	15.57	10.53	14.71	14.03	14.28	17.54	13.65	21.05	13.59	24.55	12.95	28.06
	1180	18.95	3.77	17.80	7.53	17.00	11.29	16.15	15.05	15.72	18.81	15.09	22.57	15.03	26.34	14.38	30.10
	1250	20.20	3.99	19.04	7.98	18.26	11.96	17.40	15.95	16.97	19.93	16.34	23.91	16.28	27.90	15.64	31.88
	1320	21.46	4.22	20.30	8.42	19.52	12.63	18.66	16.84	18.23	21.05	17.60	25.25	17.54	29.46	16.90	33.67
	1390	22.72	4.44	21.56	8.87	20.77	13.30	19.92	17.73	19.49	22.16	18.86	26.59	18.80	31.02	18.15	35.45
	1470	24.15	4.70	22.99	9.38	22.21	14.07	21.35	18.75	20.92	23.44	20.29	28.12	20.23	32.09	19.59	37.49
	1560	25.77	4.98	24.61	9.95	23.82	14.93	23.97	18.90	22.54	24.87	21.91	29.84	21.85	34.81	21.20	39.79
	1650	27.38	5.27	26.22	10.53	25.44	15.79	24.58	21.05	24.15	26.30	23.53	31.56	23.46	36.82	22.82	42.08
	1750	29.18	5.59	28.02	11.16	27.23	16.74	26.38	22.32	25.95	27.90	25.32	33.47	25.26	39.05	24.62	44.63
	1850	30.97	5.91	29.81	11.80	29.03	17.70	28.17	23.59	27.74	29.49	27.12	35.39	27.05	41.28	26.41	47.18
AB-150	780	15.07	3.22	13.52	6.42	12.73	9.63	12.01	12.83	11.54	16.04	10.82	19.24	10.22	22.45	9.75	25.65
	830	16.23	3.42	14.68	6.83	13.89	10.24	13.16	13.65	12.69	17.07	11.98	20.48	11.38	23.89	10.91	27.30
	880	17.39	3.63	15.84	7.24	15.05	10.86	14.32	14.48	13.85	18.09	13.14	21.71	12.54	25.33	12.07	28.94
	990	19.93	4.08	18.38	8.15	17.59	12.22	19.87	16.28	16.40	20.35	15.68	24.42	15.08	28.49	14.61	32.56
	1050	21.32	4.33	19.77	8.64	18.98	12.96	18.26	17.27	17.79	21.59	17.07	25.90	16.47	30.22	16.00	34.53
	1100	22.48	4.53	20.93	9.05	20.14	13.57	19.41	18.09	18.94	22.61	18.23	27.13	17.63	31.65	17.16	36.18
	1180	24.33	4.86	22.78	9.71	21.99	14.56	21.26	19.41	20.80	24.26	20.08	29.11	19.48	33.96	19.01	38.81
	1250	25.95	5.15	24.40	10.28	23.61	15.42	22.89	20.56	22.42	25.70	21.70	30.83	21.10	35.97	20.63	41.11
	1320	27.57	5.43	26.02	10.86	25.23	16.28	24.51	21.71	24.04	27.13	23.32	32.56	22.72	37.98	22.25	43.41
	1390	29.19	5.72	27.64	11.43	26.85	17.15	26.13	22.86	25.66	28.57	24.94	34.28	24.34	40.00	23.87	45.71
	1470	31.05	6.05	29.49	12.09	28.71	18.13	27.98	24.18	27.51	30.22	26.79	36.26	26.20	42.30	25.72	48.34
	1560	33.13	6.42	31.58	12.83	30.79	19.24	30.06	25.65	29.59	32.07	28.88	38.48	28.28	44.89	27.81	51.30
	1650	35.21	6.79	33.66	13.57	32.87	20.35	32.14	27.13	31.68	33.92	30.96	40.70	30.36	47.48	29.89	54.26
	1750	37.53	7.20	35.98	14.39	35.19	21.59	34.46	28.78	33.99	35.97	33.27	43.16	32.68	50.35	32.21	57.55
	1850	39.84	7.61	38.29	15.22	37.50	22.82	36.77	30.42	36.31	38.02	35.59	45.63	34.99	53.23	34.52	60.83

PERFORMANCE PARAMETER TABLE (VACUUM)

Type	RPM	-1000mmAq		-2000mmAq		-3000mmAq		-4000mmAq		-5000mmAq		-6000mmAq		-7000mmAq		-8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AB-200A	620	18.89	5.84	17.53	9.63	16.55	13.42	15.68	17.21	14.90	21.39	14.22	25.28	13.53	28.20	12.83	31.12
	660	20.25	6.13	18.98	10.31	18.01	14.20	17.14	18.28	16.36	22.37	15.68	26.25	15.00	30.14	14.33	34.03
	700	21.71	6.43	20.44	10.80	19.37	14.98	18.50	19.45	17.72	23.34	17.04	28.20	16.46	32.09	15.74	37.98
	740	23.16	6.91	21.80	11.38	20.83	15.95	19.96	20.41	19.17	25.31	18.50	29.21	17.92	34.01	17.25	38.81
	780	24.62	7.21	23.26	11.87	22.29	16.83	21.31	22.41	20.64	26.21	19.76	31.11	19.28	36.91	18.67	42.71
	830	26.37	7.59	25.01	12.74	24.04	17.80	23.16	23.34	22.39	28.20	21.71	33.06	21.12	38.89	20.46	44.72
	880	28.12	7.98	26.76	13.41	25.79	18.77	24.91	24.31	24.14	29.17	23.46	35.00	22.87	40.83	22.13	46.61
	930	29.97	8.37	28.61	14.09	27.92	19.45	26.76	25.28	25.97	31.11	25.30	36.95	24.62	42.78	23.95	48.71
	990	32.11	8.95	30.75	14.88	29.77	21.39	28.90	27.23	28.13	33.06	27.44	39.86	26.76	45.69	26.03	51.51
	1050	34.24	9.44	32.88	15.85	31.91	22.37	31.04	28.20	30.26	35.98	29.58	41.81	28.90	48.61	28.27	55.41
	1110	36.38	9.92	35.02	16.63	34.05	23.34	33.18	30.14	32.40	37.92	31.72	44.72	31.04	50.55	30.35	56.31
	1180	38.81	10.51	37.55	17.70	36.48	25.28	35.61	32.09	34.93	39.86	34.15	46.67	33.56	53.47	32.86	60.11
	1250	41.34	11.09	39.98	18.87	39.01	26.25	38.13	34.03	37.36	41.81	36.67	49.58	36.09	57.36	35.44	65.01
	1320	43.87	11.67	42.51	19.45	41.44	28.20	40.66	36.95	39.88	44.72	39.20	52.50	38.52	60.27	37.83	68.11
	1390	46.30	13.35	45.03	20.42	43.96	29.17	43.09	37.92	42.31	46.67	41.63	55.41	41.05	63.19	40.34	71.01
AB-200	620	24.33	7.01	22.63	11.91	21.23	16.81	20.13	22.01	19.23	26.01	18.23	32.01	17.43	37.01	16.73	42.01
	660	26.13	7.51	24.43	12.71	23.13	17.91	22.03	23.01	21.03	28.01	20.13	34.01	19.33	39.01	18.63	44.01
	700	27.93	7.91	26.23	13.41	24.93	18.91	23.83	24.01	22.83	30.01	21.93	37.01	21.13	42.01	20.33	47.01
	740	29.83	8.31	28.13	14.11	26.73	20.01	25.63	26.01	24.73	31.01	23.73	38.01	23.03	44.01	22.33	50.01
	780	21.63	8.71	29.93	14.91	28.63	21.01	27.53	27.01	26.53	33.01	25.63	40.01	24.83	46.01	24.13	52.01
	830	33.93	9.41	32.23	15.91	30.11	23.01	29.73	29.01	28.73	37.01	27.93	43.01	27.13	49.01	26.43	55.01
	880	36.23	10.01	34.43	16.91	33.13	24.01	32.03	31.01	31.13	39.01	30.23	45.01	29.43	52.01	28.73	59.01
	930	38.53	10.41	36.83	17.71	35.43	25.01	34.33	32.01	33.43	40.01	32.53	47.01	31.73	54.01	31.03	61.01
	990	41.23	11.01	39.53	18.81	38.23	26.01	37.13	34.01	36.13	43.01	35.23	50.01	34.43	58.01	33.73	66.01
	1050	44.03	11.61	42.33	21.01	40.93	28.01	39.83	37.01	38.93	45.01	38.03	53.01	37.23	61.01	36.53	69.01
	1110	46.73	12.21	45.03	21.01	43.73	30.01	43.63	39.01	41.63	48.01	40.73	56.01	39.93	65.01	39.23	74.01
	1180	49.93	13.11	48.23	22.01	46.93	31.01	45.83	41.01	44.83	50.01	43.93	59.01	43.13	68.01	42.43	77.01
	1250	53.13	13.81	51.43	24.01	51.13	33.01	49.03	44.01	48.03	53.01	47.13	63.01	46.33	72.01	45.63	83.01
	1320	56.33	14.51	54.63	25.01	53.33	35.01	52.23	46.01	51.23	56.01	50.33	66.01	49.53	77.01	48.83	88.01
	1390	59.53	15.21	57.83	26.01	56.53	38.01	55.43	48.01	54.43	59.01	53.63	70.01	52.73	81.01	51.73	92.01
AB-250	620	33.03	9.12	31.03	15.66	29.53	22.52	28.23	30.03	27.03	35.39	25.93	42.89	25.43	48.25	24.53	53.61
	660	35.53	9.77	33.53	16.93	32.03	23.59	30.63	31.10	29.53	37.53	28.43	45.03	27.43	50.39	26.53	55.75
	700	37.83	10.30	35.93	17.70	34.33	25.74	33.03	32.17	32.03	40.75	30.93	48.25	29.93	54.37	29.23	61.11
	740	40.33	10.84	38.43	18.66	36.83	26.81	35.53	34.31	34.33	42.89	33.33	50.39	32.43	57.90	31.63	65.41
	780	42.83	11.37	40.73	19.73	39.23	27.88	38.03	36.46	36.83	45.03	35.83	52.54	34.83	61.11	34.03	69.68
	830	45.93	12.01	43.83	20.91	42.23	30.01	41.03	38.61	39.93	48.25	38.83	55.75	37.83	64.33	37.03	72.91
	880	48.93	12.66	46.93	22.52	45.33	31.11	44.13	40.75	42.93	50.39	41.93	58.97	41.03	68.62	40.03	78.27
	930	52.03	13.41	51.03	23.59	48.53	32.17	47.33	42.89	46.03	52.54	44.93	62.19	44.63	71.83	43.53	81.47
	990	55.63	14.16	53.63	24.67	52.13	34.31	50.83	46.11	49.63	55.75	48.73	66.47	47.73	77.19	46.53	87.91
	1050	59.33	15.01	57.43	25.74	55.73	36.46	54.53	48.25	53.33	59.01	52.33	69.89	51.43	81.48	50.63	93.07
	1110	63.03	15.76	61.03	27.88	59.43	39.67	58.13	51.47	57.03	62.19	56.03	73.98	55.03	85.77	54.23	97.56
	1180	67.23	16.73	65.33	28.95	63.73	41.81	62.43	54.68	61.33	66.47	60.33	79.34	59.33	91.13	58.43	102.91
	1250	71.53	17.81	69.63	31.10	68.03	45.03	66.73	58.62	65.53	69.89	64.53	83.63	63.63	96.49	62.73	109.31
	1320	75.83	18.77	73.93	32.17	72.33	47.18	71.03	60.01	69.83	73.98	68.83	87.91	67.93	101.51	67.13	115.11
	1390	80.13	19.73	78.03	34.31	76.53	49.32	75.53	63.26	74.13	78.27	73.13	93.27	72.03	108.31	71.23	123.31
AB-300A	700	51.63	14.11	49.03	24.21	46.93	35.11	45.13	44.01	43.73	55.71	42.23	65.91	40.73	76.11	39.23	86.31
	850	63.93	17.01	60.09	29.21	58.03	42.61	55.93	53.31	54.13	67.71	52.33	80.01	51.43	92.31	48.53	104.61
	1000	76.83	19.51	74.03	34.01	72.03	47.31	70.13	63.71	68.73	76.91	67.33	92.61	65.83	108.31	64.33	124.01
	1150	90.03	22.51	86.73	39.11	84.43	54.41	82.13	73.21	80.73	88.41	78.93	106.41	77.23	124.41	75.33	142.41
	1300	101.63	25.11	99.03	43.11	96.93	63.21	95.13	80.41	93.53	99.11	92.23	117.81	90.93	136.41	89.63	155.01
	1450	115.53	28.01	112.63	48.11	110.13	70.51	108.33	89.71	106.43	110.61	104.83	134.01	103.23	157.51	101.63	181.01
	1550	126.03	30.01	120.53	51.41	120.23	75.41	117.93	95.91	115.63	122.41	114.23	146.11	112.73	169.81	111.23	193.51
AB-300	600	71.23	18.11	68.03	33.81	65.33	48.11	62.63	61.41	60.53	73.61	58.53	84.91	56.83	95.51	55.33	105.21
	700	85.53	20.81	81.43	39.21	78.73	55.91	76.03	71.41	73.93	85.61	71.93	98.81	70.23	111.11	68.73	122.51
	800	98.53	23.71	94.83	44.71	92.13	63.81	89.43	71.41	87.33	97.71	85.33	112.71	83.63	126.81	82.13	139.81
	900	111.53	26.61	108.23	50.11	105.63	71.61	102.93	91.41	100.83	109.71	98.83	126.71	97.13	142.41	95.63	157.11
	1000	124.53	29.61	121.63	57.01	118.93	80.91	116.23	102.91	114.13	123.31	112.13	142.11	110.43	159.61	108.93	176.01
	1100	138.13	34.51	135.13	63.91	132.43	90.21	129.73	114.41	127.63	136.81	125.63	157.61	123.93	176.91	122.43	194.81
	1200	151.73	39.51	148.53	70.81	145.83	99.51	143.13	125.91	141.03	150.41	139.03	173.01	137.33	194.11	135.83	213.71
	1300	165.33	55.51	162.13	83.61	159.43	108.81	156.73	137.41	154.63	164.01	152.63	188.41	150.93	211.31	149.43	232.61