

FACTORY ADDRESS:

INFINAIR ARABIA CO. LTD BRANCH

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YFBCDH

BACKWARD CURVED DWDI CENTRIFUGAL FAN



INFINAIR ARABIA COMPANY LTD BRANCH certifies that Backward Curved DWDI Centrifugal Fan (YFBCDH) shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program



INFINAIR™
INFINAIR ARABIA CO. LTD.



		250	280	315	355	400	450	500	560	630	710	800
Max.installed power (kW)	L-R	3	4	5.5	7.5	7.5	11	11	11	15	—	—
	K	5.5	7.5	7.5	11	15	15	18.5	18.5	18.5	22	22
	G	—	—	—	—	—	—	—	22	30	37	37
	L2-R2	4	5.5	7.5	11	11	15	15	—	—	—	—
	K2	7.5	7.5	11	15	15	22	22	—	—	—	—
Max.speed (r/min)	L-R	1900	1700	1500	1350	1200	1050	950	800	700	—	—
	K	2200	2000	1800	1600	1400	1200	1100	900	750	700	650
	G	—	—	—	—	—	—	—	1050	850	850	750
	L2-R2	1500	1400	1250	1250	1050	950	800	—	—	—	—
	K2	2000	1600	1400	1400	1200	1050	900	—	—	—	—
Fan weight (kg)	L-R	13	18.5	25	34	43	57.5	70.5	127	160	—	—
	K	15	21.5	30	39	52	70	85	152	186	230	290
	G	—	—	—	—	—	—	—	158	194	238	299
	L2-R2	26	37	50	68	86	115	141	—	—	—	—
	K2	30	43	60	78	104	140	170	—	—	—	—
(最低-20°C) Air temperature (min- 20°C)	L-R	85	85	85	85	85	85	85	85	85	—	—
	K	85	85	85	85	85	85	85	85	85	85	85
	G	—	—	—	—	—	—	—	85	85	85	85
	L2-R2	85	85	85	85	85	85	85	—	—	—	—
	K2	85	85	85	85	85	85	85	—	—	—	—
Bearing Dynamic Load (N)	L-R	12800	14000	14000	19500	19500	25700	25700	29100	32500	—	—
	K	14000	19500	19500	25700	25700	29100	29100	29100	29100	35000	35000
	G	—	—	—	—	—	—	—	32500	32500	52500	52500
	L2-R2	19500	19500	19500	25700	25700	29100	32500	—	—	—	—
	K2	19500	19500	19500	25700	29100	29100	32500	—	—	—	—
Bearing number	L-R	FH204	FH205	FH205	FH206	FH206	FH207	FH207	FH208	UK209	—	—
	K	UCP205	UCP206	UCP206	UCP207	UCP207	UCP208	UCP208	UCP208	UCP208	UCP210	UCP210 U
	G	—	—	—	—	—	—	—	UCP210	UCP210	UCP212	UCP212 U
	L2-R2	UK206	UK206	UK206	UK207	UK207	UK208	UK209	—	—	—	—
	K2	UCP206	UCP206	UCP206	UCP207	UCP208	UCP208	UKP209	—	—	—	—



YFBCDH

Double Inlet Centrifugal Fan

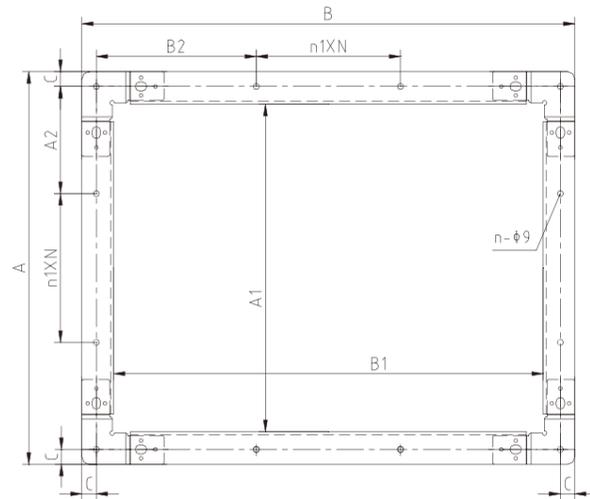
Features

- 1. Double inlet fans, with backward curved impellers.
- 2. Volume between 1000m³/h and 120000m³/h, with total pressure up to 3000Pa.
- 3. 13 sizes from 250 up to 1000mm wheel diameter.

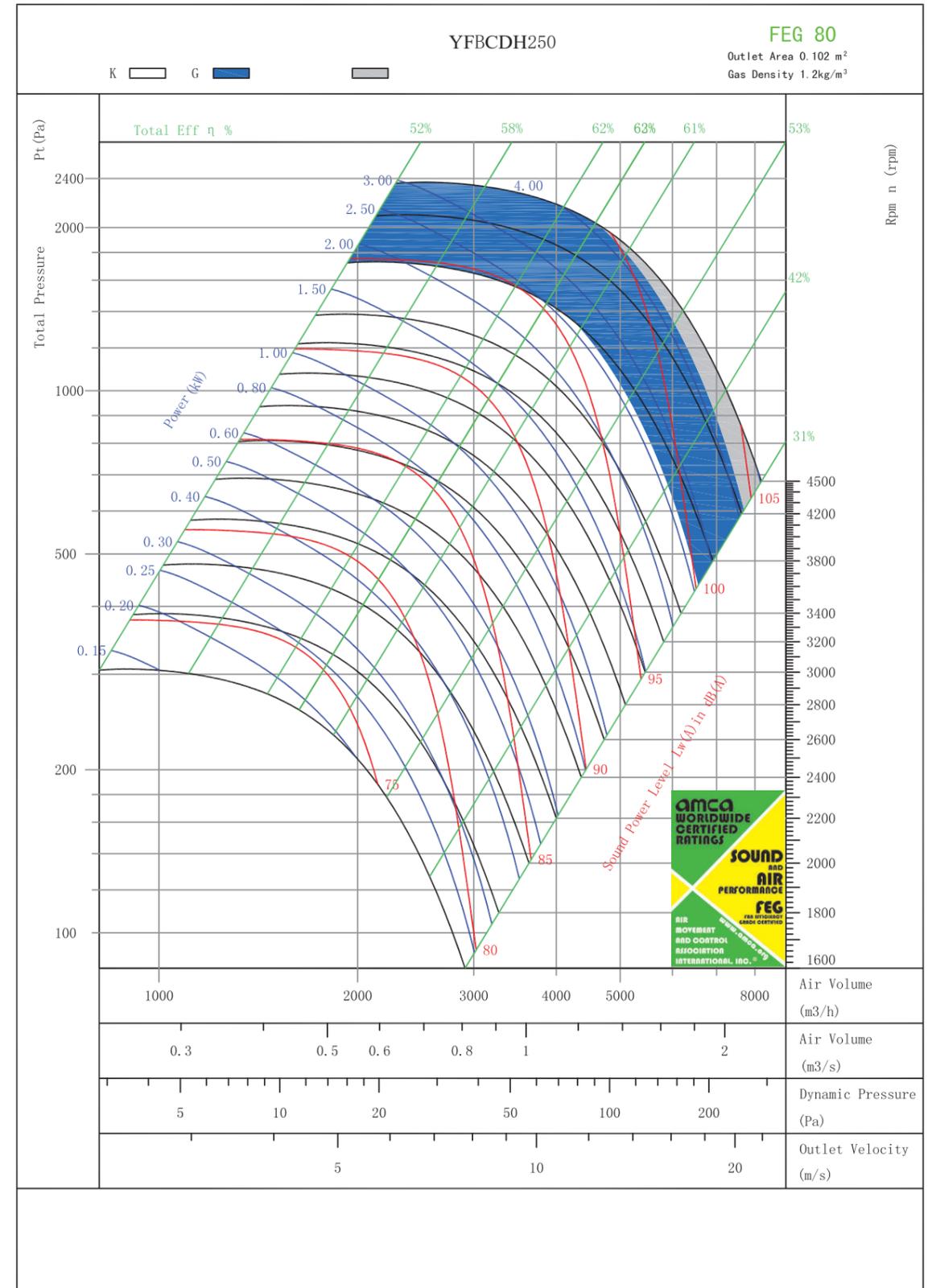
Nomenclature

Construction(K/G)
Nominal diameter of the fan wheel(mm)
YFBCDH series

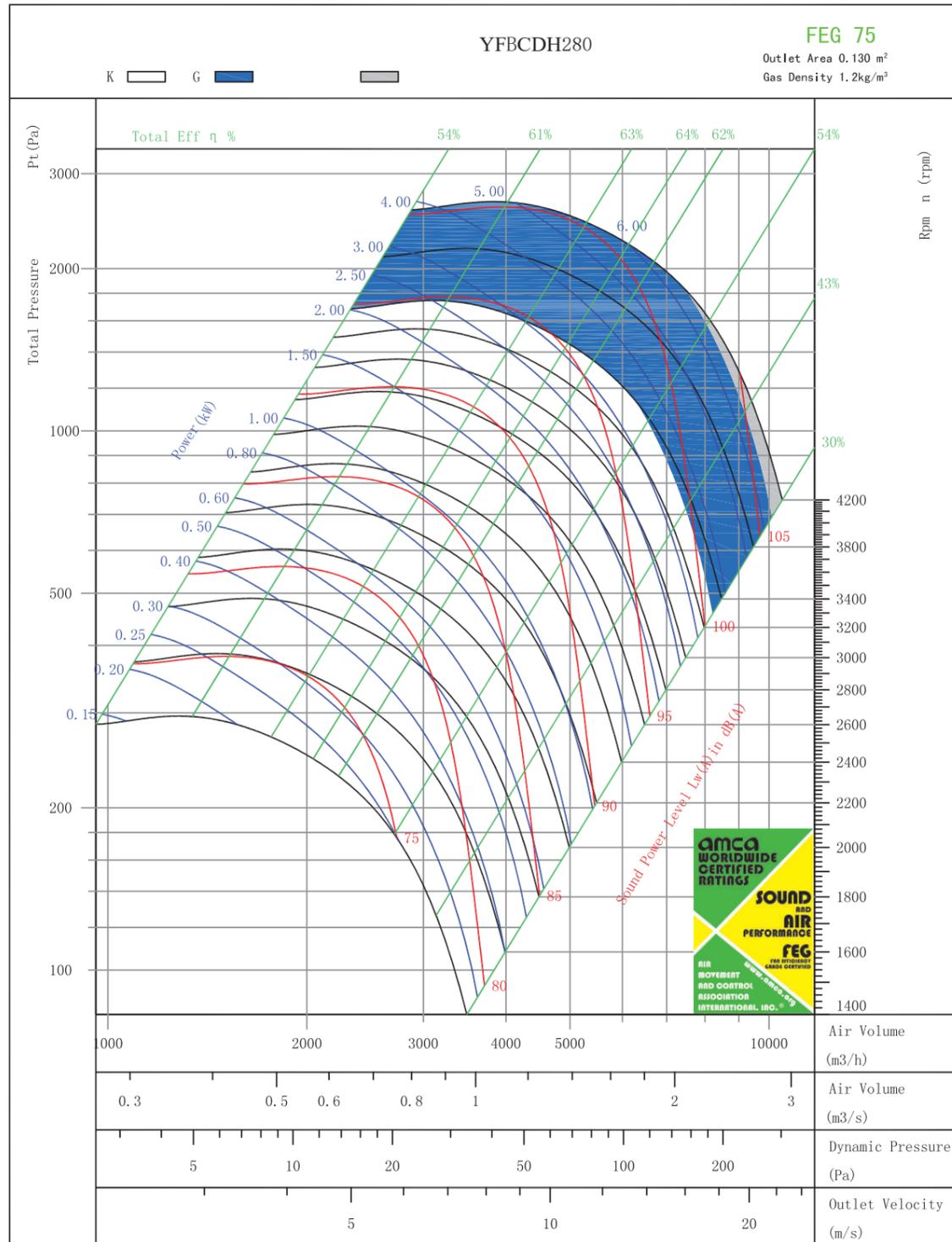
Outlet Flange



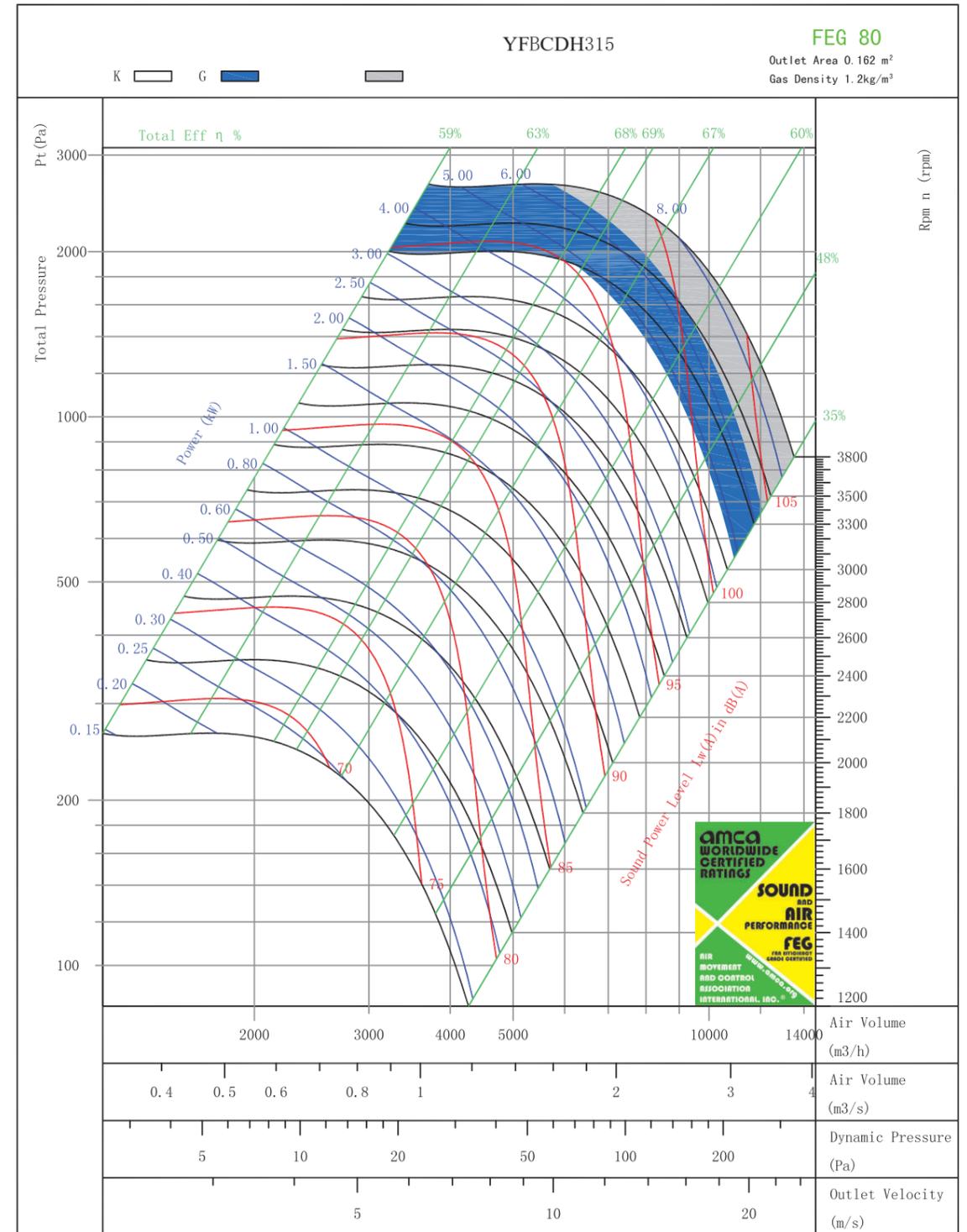
	Flange P/N	A	A1	A2	B	B1	B2	C	N	n	
1	YFBCDH250	366	322	98	365	321	97.5	10	150	12	1
2	YFBCDH280	405	361	117.5	404	360	117	10	150	12	1
3	YFBCDH315	448	404	144	447	403	143.5	10	150	12	1
4	YFBCDH355	497	453	93.5	496	452	93	10	150	16	2
5	YFBCDH400	551	507	170.5	550	506	170	10	200	12	1
6	YFBCDH450	613	569	201.5	612	568	201	10	200	12	1
7	YFBCDH500	698	638	136	697	637	135.5	13	200	16	2
8	YFBCDH560	775	715	174.5	773	713	173.5	13	200	16	2
9	YFBCDH630	861	801	167.5	859	799	166.5	13	250	16	2
10	YFBCDH710	958	898	216	956	896	215	13	250	16	2
11	YFBCDH800	1067	1007	145.5	1065	1005	144.5	13	250	20	3
12	YFBCDH900	1190	1130	207	1188	1128	206	13	250	20	3
13	YFBCDH1000	1327	1267	150.5	1325	1265	149.5	13	250	24	4



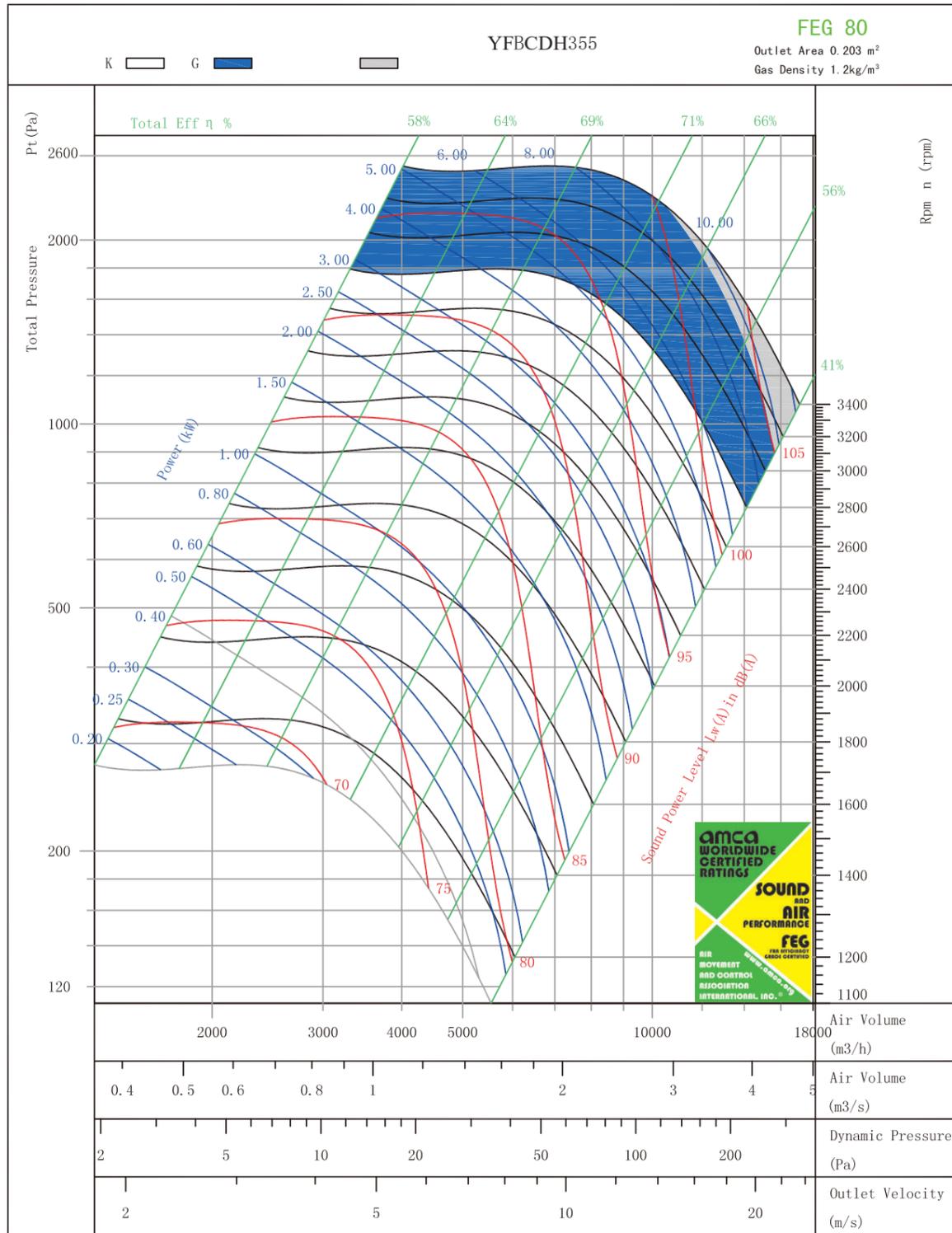
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.



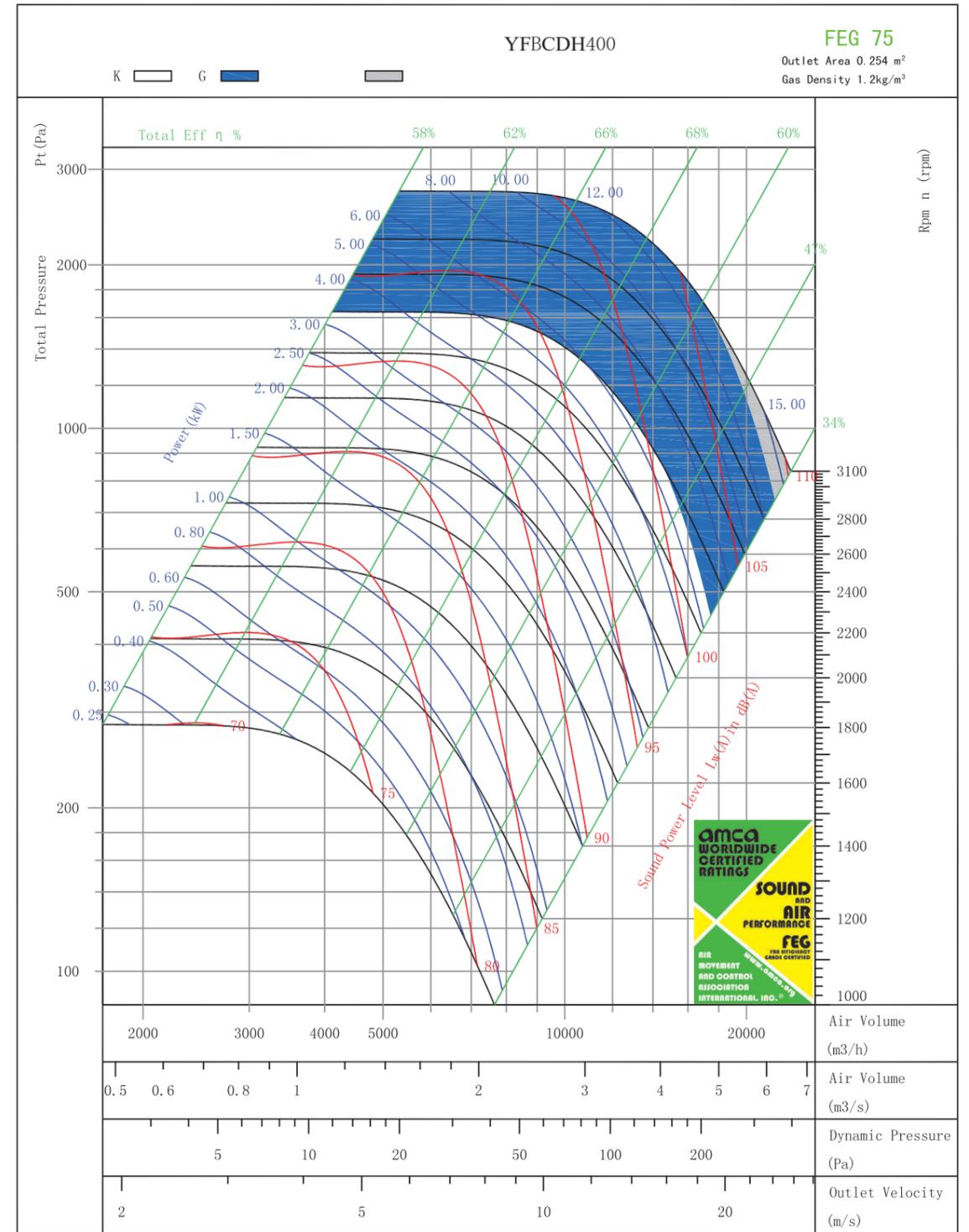
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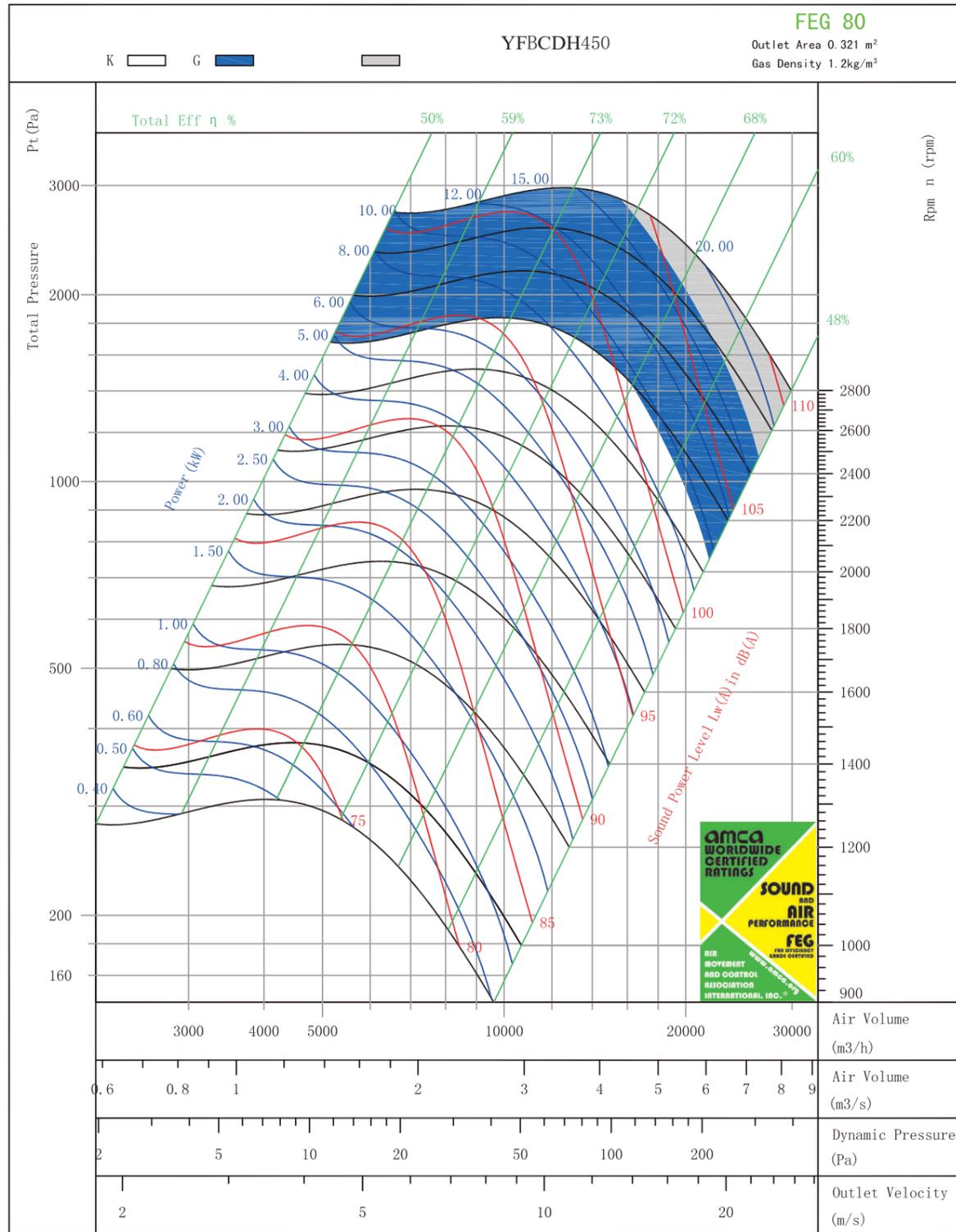
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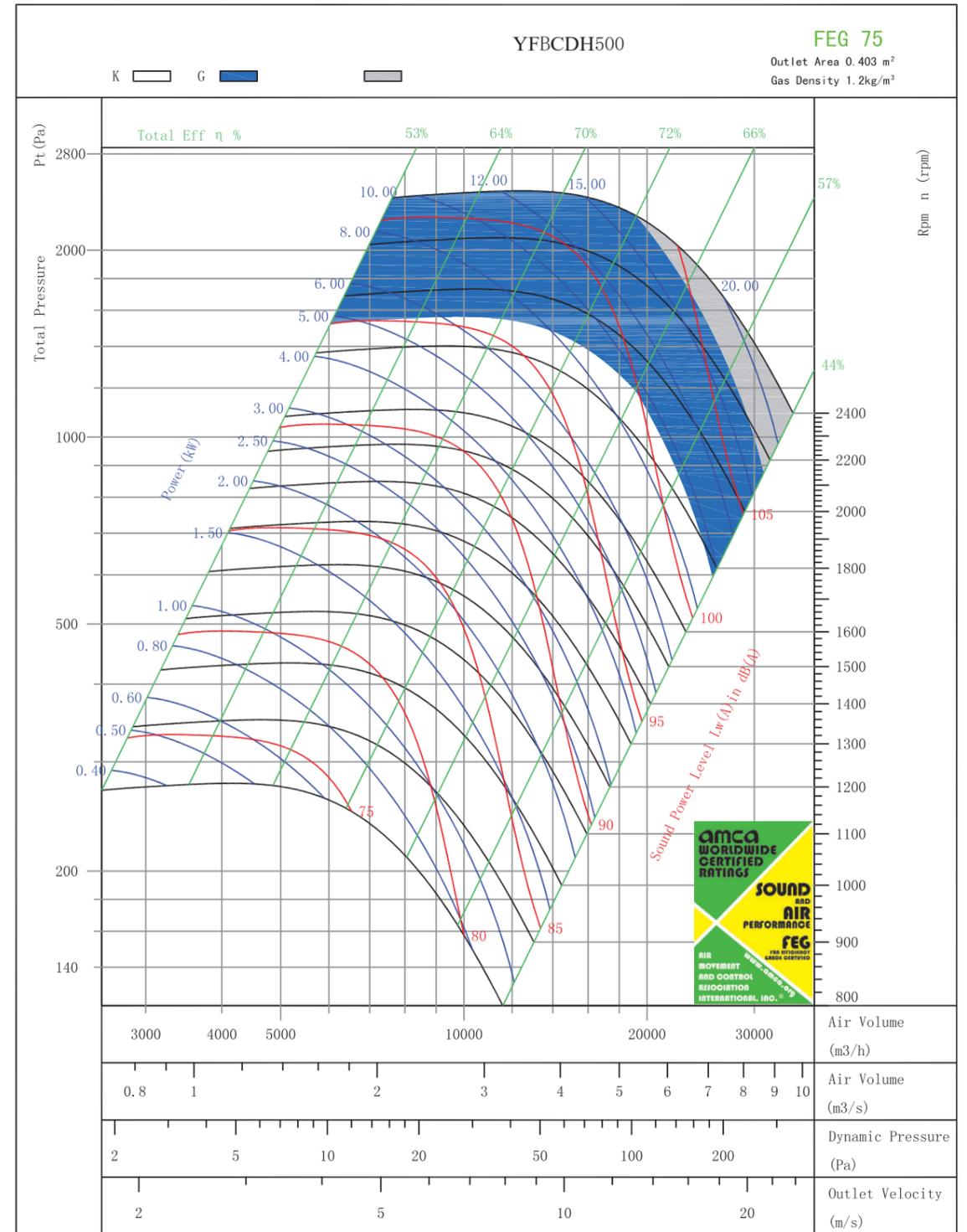
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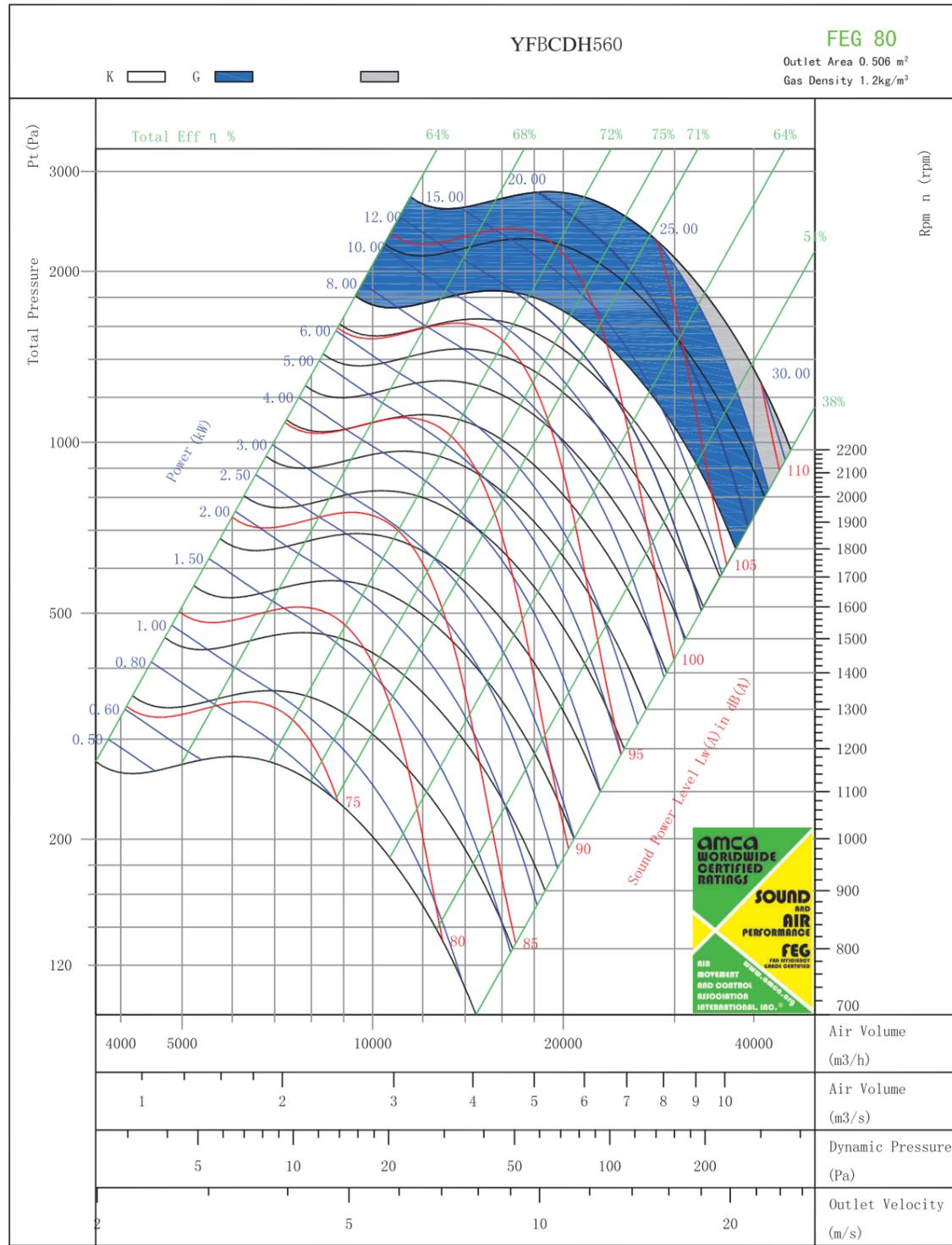
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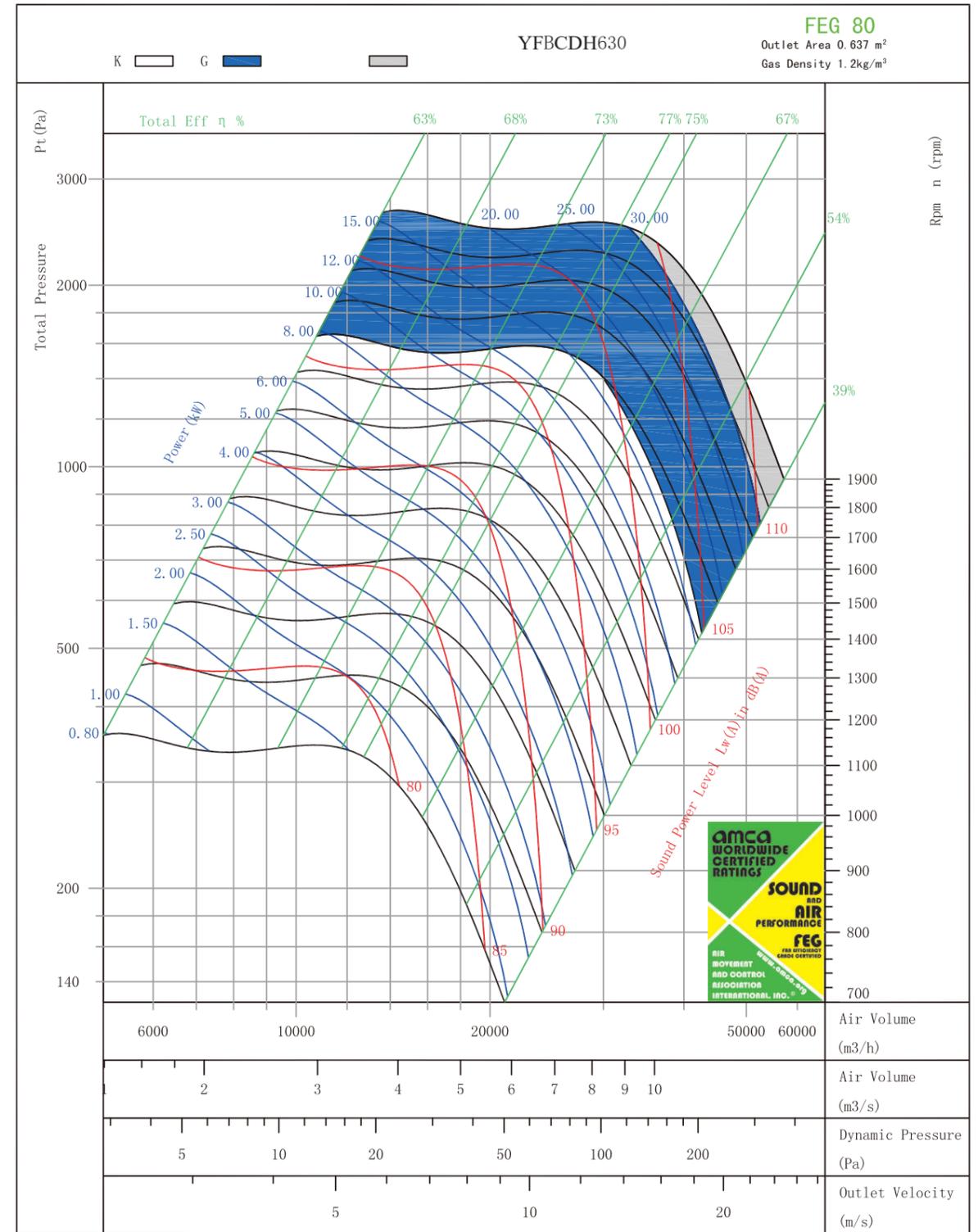
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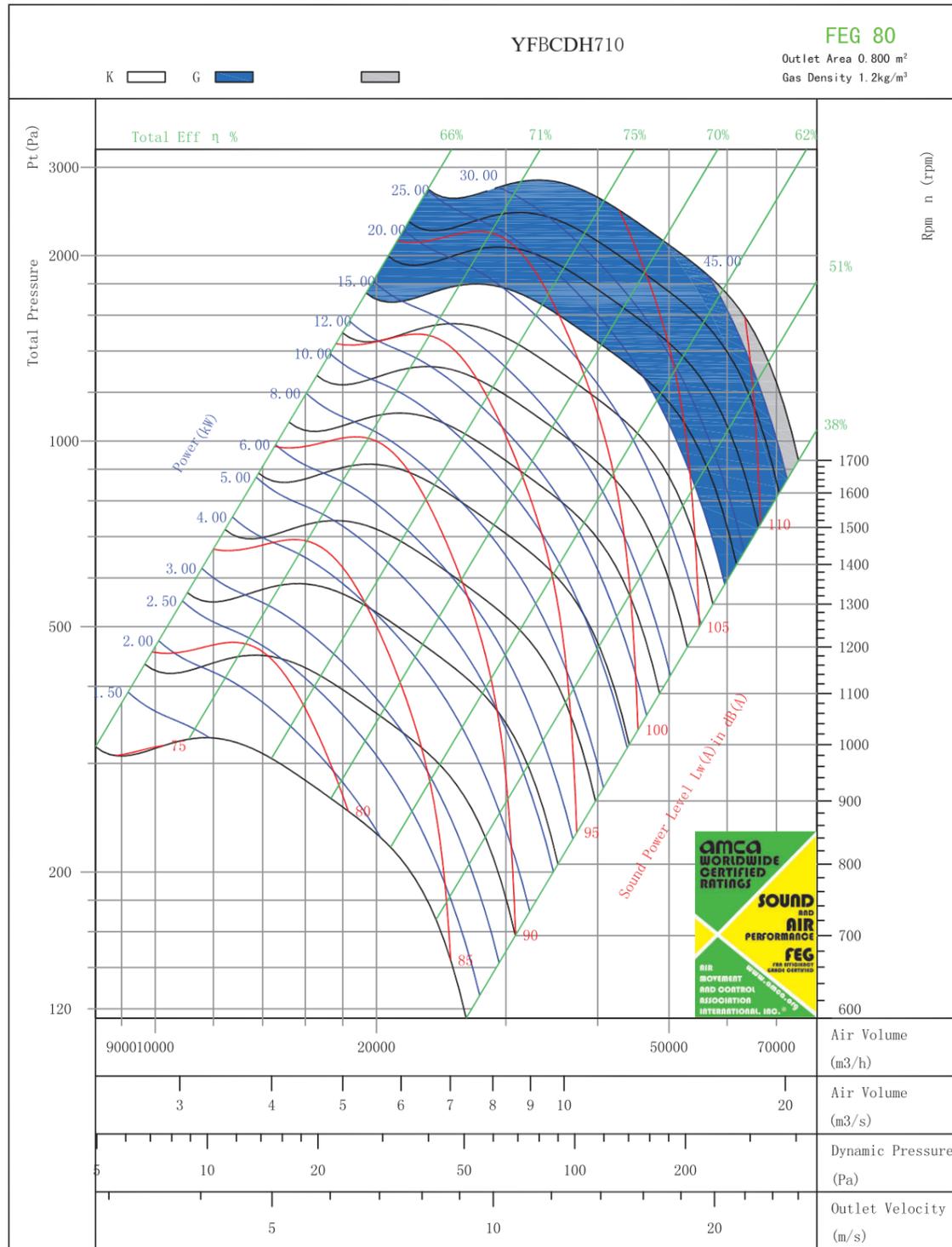
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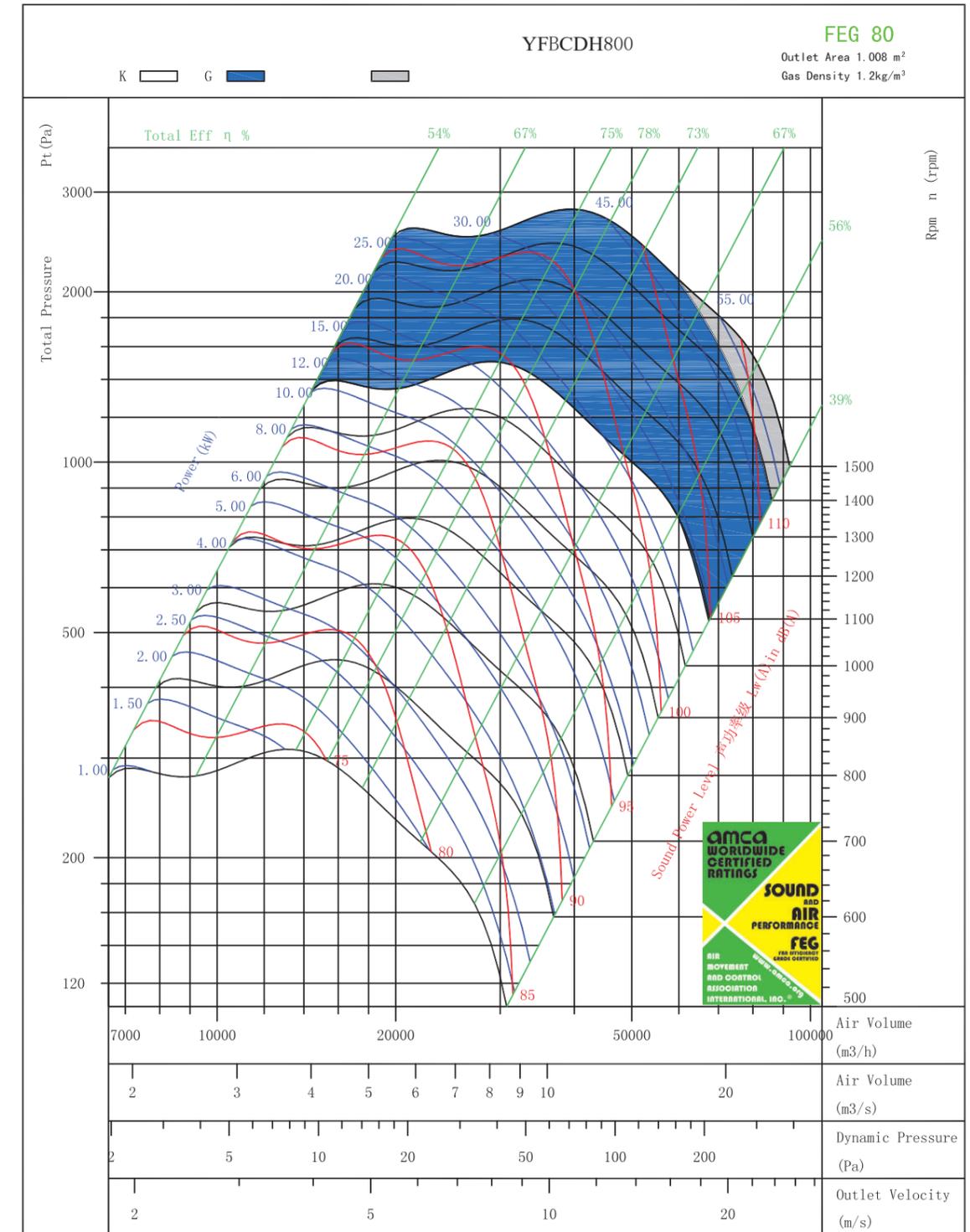
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwIA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.



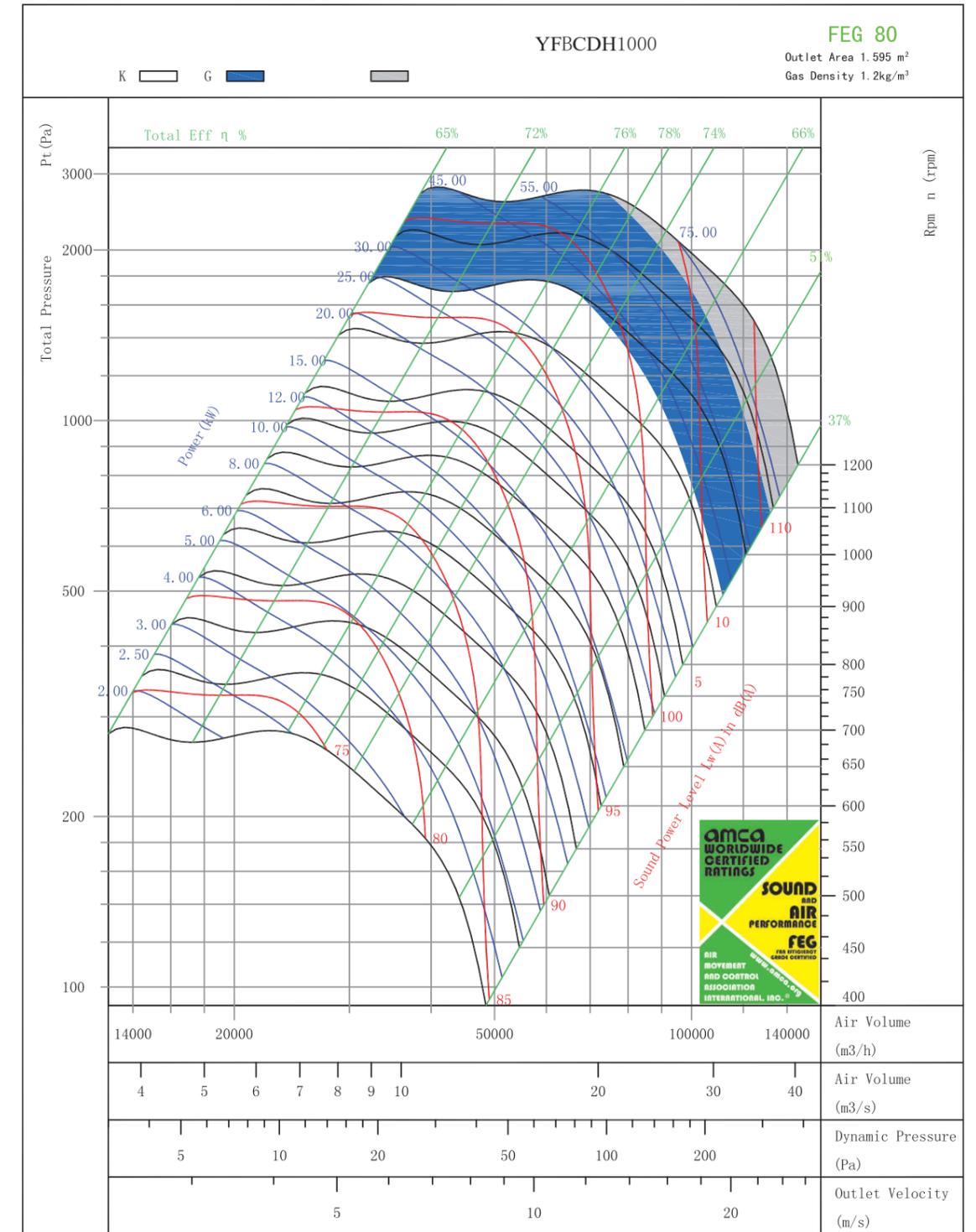
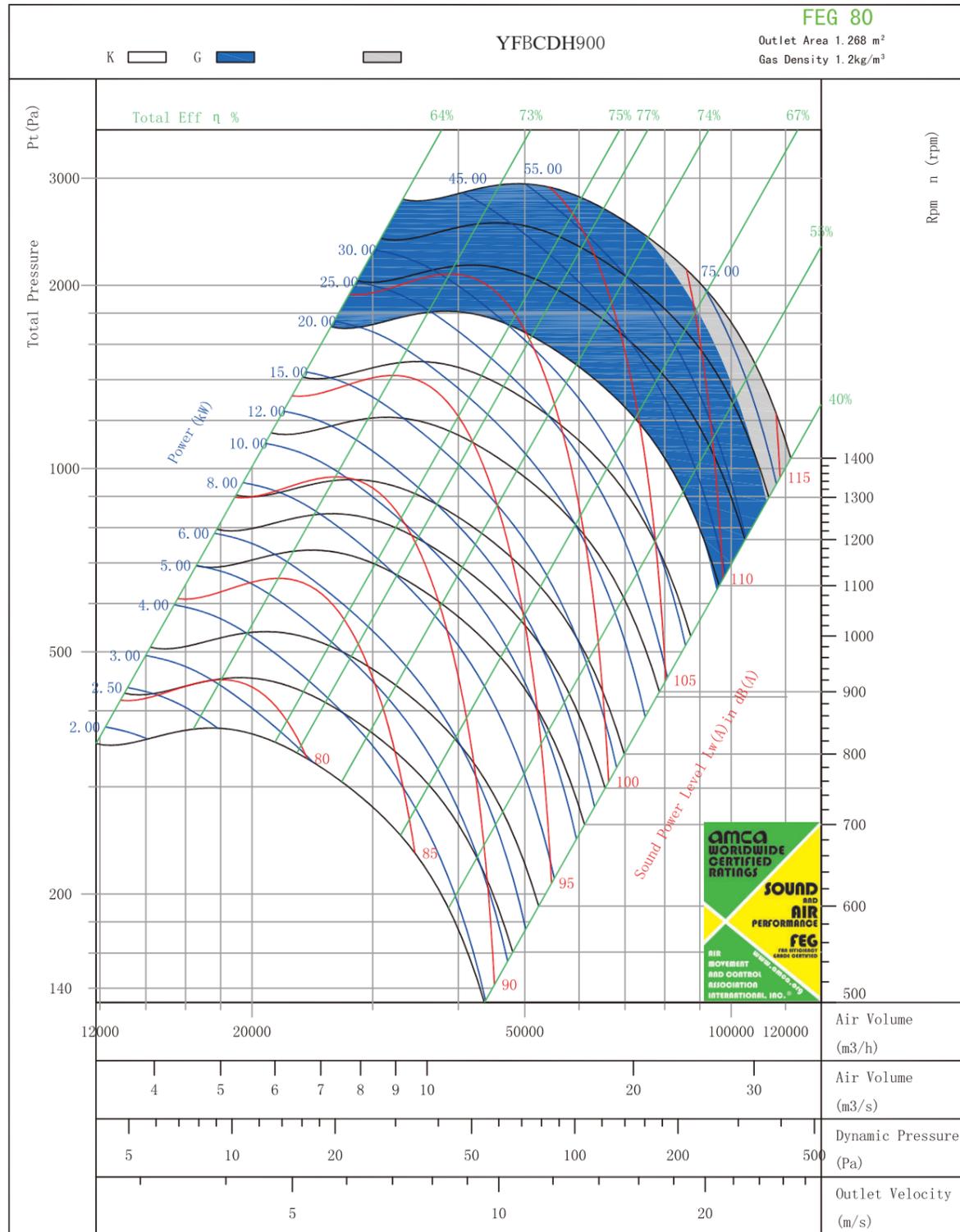
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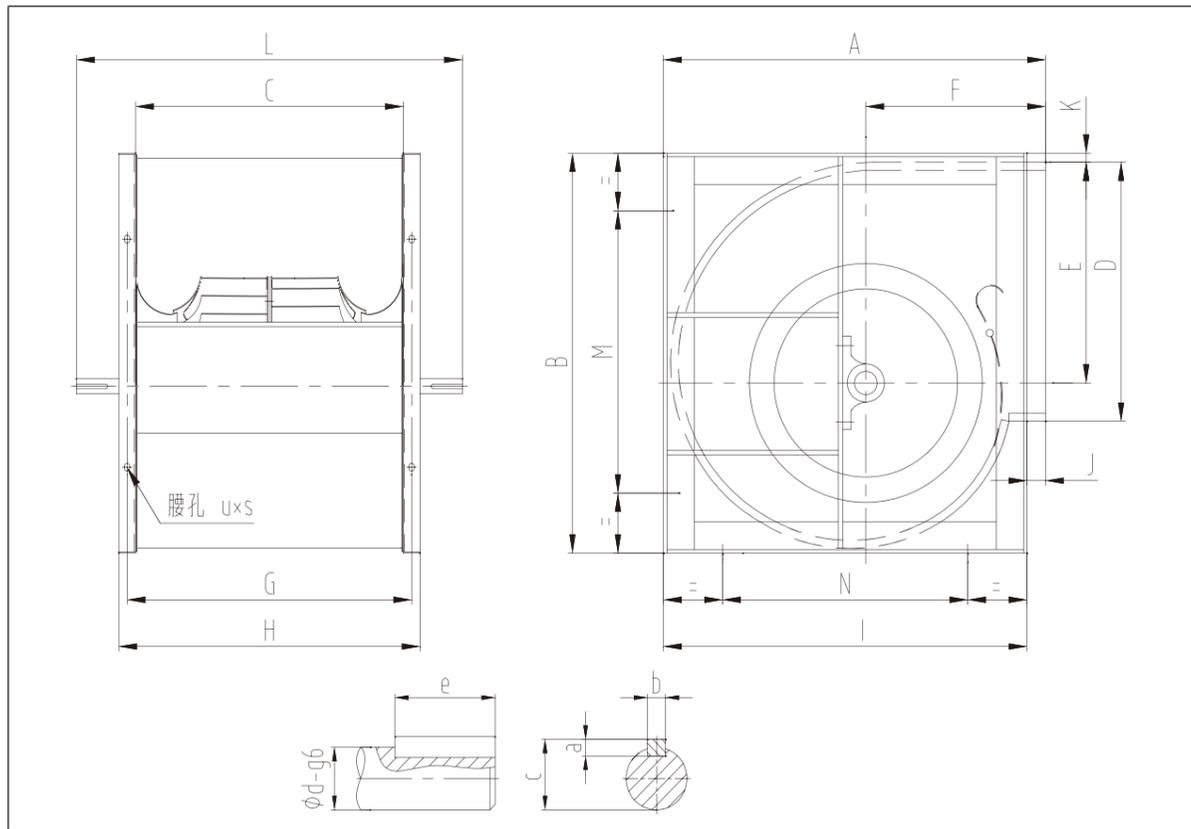
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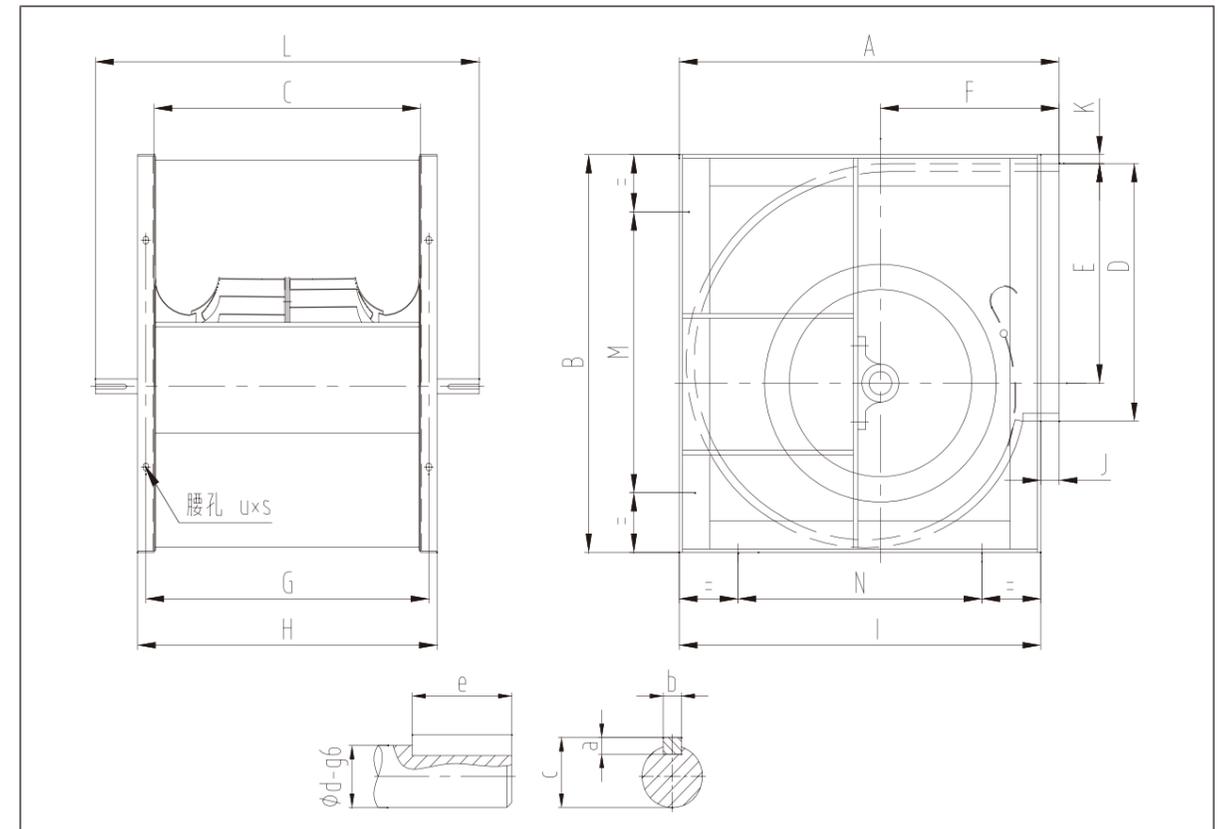
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YFBCDHK



Fan Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	a	b	c	d	e	U×S
YFBCDH250K	427.5	475	322	322	264	193	350	372	391.5	36	10.5	520	224	224	6	6	22.5	20	45	11×16
YFBCDH280K	476.5	530	361	361	296	213	391	421	440.5	36	11.5	580	280	280	7	8	28	25	50	11×16
YFBCDH315K	530	595	404	404	336	234	434	464	492	38	11.5	625	280	280	7	8	28	25	50	11×16
YFBCDH355K	587.5	663	453	453	376	260	489	513	550.5	37	12	680	355	355	7	8	33	30	65	11×16
YFBCDH400K	656	742	507	507	421.5	292	547	587	620	36	12	760	355	355	7	8	33	30	65	11×16
YFBCDH450K	739	841	569	569	482	325	609	649	699	40	12	845	530	530	8	10	38	35	75	11×16
YFBCDH500K	810	929	638	638	530	352	678	718	762	48	12	920	530	530	8	10	38	35	75	13×18
YFBCDH560K	890	1022	715	715	599	390	765	805	841	49	5	1060	530	530	8	12	43	40	75	13×18
YFBCDH630K	998	1156	801	801	670	438	851	901	946	52	8	1160	530	530	8	12	43	40	90	13×18
YFBCDH710K	1122	1298	898	898	761.5	482	948	998	1062	60	6.5	1300	630	630	9	14	53.8	50	110	17×22
YFBCDH800K	1254	1466	1007	1007	855.5	538	1057	1107	1188	66	6.5	1450	710	710	9	14	53.8	50	110	17×22
YFBCDH900K	1406	1641	1130	1130	962.5	600	1180	1230	1328	78	6.5	1580	800	800	11	18	64.4	60	110	17×22
YFBCDH1000K	1538	1798	1267	1267	1052	655	1317	1367	1454	84	8	1700	900	900	11	18	64.4	60	110	17×22

YFBCDHG



Fan Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	a	b	c	d	e	U×S
YFBCDH250G	427.5	475	322	322	264	193	350	372	391.5	36	10.5	520	224	224	7	8	28	25	45	11×16
YFBCDH280G	476.5	530	361	361	296	213	391	421	440.5	36	11.5	580	280	280	7	8	33	30	50	11×16
YFBCDH315G	530	595	404	404	336	234	434	464	492	38	11.5	625	280	280	7	8	33	30	50	11×16
YFBCDH355G	587.5	663	453	453	376	260	489	513	550.5	37	12	680	355	355	8	10	38	35	65	11×16
YFBCDH400G	656	742	507	507	421.5	292	547	587	620	36	12	760	355	355	8	10	38	35	65	11×16
YFBCDH450G	739	841	569	569	482	325	609	649	699	40	12	845	530	530	8	12	43	40	75	11×16
YFBCDH500G	810	929	638	638	530	352	678	718	762	48	12	920	530	530	8	12	43	40	75	13×18
YFBCDH560G	890	1022	715	715	599	390	765	805	841	49	5	1060	530	530	9	14	53.8	50	90	13×18
YFBCDH630G	998	1156	801	801	670	438	851	901	946	52	8	1160	530	530	9	14	53.8	50	90	13×18
YFBCDH710G	1122	1298	898	898	761.5	482	948	998	1062	60	6.5	1300	630	630	11	18	64.4	60	110	17×22
YFBCDH800G	1254	1466	1007	1007	855.5	538	1057	1107	1188	66	6.5	1450	710	710	11	18	64.4	60	110	17×22
YFBCDH900G	1406	1641	1130	1130	962.5	600	1180	1230	1328	78	6.5	1580	800	800	12	20	69.5	65	110	17×22
YFBCDH1000G	1538	1798	1267	1267	1052	655	1317	1367	1454	84	8	1700	900	900	12	20	69.5	65	110	17×22

		250	280	315	355	400	450	500	560	630	710	800	900	1000
Max.installed power (kW)	K	3	4	5.5	7.5	7.5	11	11	18.5	22	30	30	45	45
	G	5.5	7.5	7.5	11	15	18.5	22	30	37	55	55	75	75
Max.speed (r/min)	K	3800	3400	3300	2800	2400	2200	1900	1800	1500	1400	1100	1100	1000
	G	4500	4200	3800	3400	3100	2800	2400	2200	1900	1700	1500	1400	1200
Fan weight (kg)	K	16	22	30	40	55	74	89	162	196	260	325	410	530
	G	16.5	22.5	31	42	57	76	92	168	204	268	334	420	540
Air temperature (min-20°C)	K	85	85	85	85	85	85	85	85	85	85	85	85	85
	G	85	85	85	85	85	85	85	85	85	85	85	85	85
Bearing Dynamic Load (N)	K	12800	14000	14000	19500	19500	25700	29100	32500	32500	43500	43500	57500	57500
	G	14000	19500	19500	25700	25700	29100	32500	43500	43500	57500	57500	66000	66000
Bearing number	K	UCP204	UCP205	UCP205	UCP206	UCP206	UCP207	UCP208	UCP209	UKP209	UKP211	UKP211	UKP213	UKP213
	G	UCP205	UCP206	UCP206	UCP207	UCP207	UCP208	UCP209	UKP211	UKP211	UKP213	UKP213	UKP215	UKP215