

AMC Series

Multistage Vacuum Pump



Feature

- ◇ Integrated vacuum cartridge, increase energy consumption ratio greatly
- ◇ H type max vacuum level is -95Kpa, L type max vacuum level is -75Kpa
- ◇ Different connections are optional for different vacuum flow.
- ◇ Integrated 1-6 pcs cartridges, up to three layers can be added, in order to meet different vacuum flow requirement.

How to order

①
②
③
④
⑤
⑥
⑦
⑧

① Series	② Specification	③ Performance	④ Connection plate	⑤ Seal Material
AMC	25 100	H – High vacuum level (-95kPa)	AA DB 08B 10C	Nil – Standard, NBR F – Flourine rubber
	50 125		BA CC 10A 12C	
	75 150	L – Large vacuum flow (-75kPa)	CA 08A 10B (Refer to table 1)	

⑥ Non-return valve	⑦ Vacuum gauge	⑧ Control device	
Nil – Standard, without non-return valve	Nil – Standard, without vacuum gauge	Nil – Standard, without control device	VQ – Pneumatic control vacuum breaking
V – With non–return valve	R – With vacuum gauge ZPMR	PD – Electric control air supply	PVD – Electric control (air supply+ vacuum breaking) combination
		PQ – Pneumatic control air supply	PVQ – Pneumatic control (air supply+vacuum breaking) combination
		VD – Electric control vacuum breaking	ES – Energy saving system

AMC Series

Multistage Vacuum Pump

Connection plate table 1

Connection plate	Air supply port	Vacuum port	Exhaust port	Applicable vacuum pump
AA	G1/8	G3/4	G1"	AMC25,50
BA	NPSF1/8	G3/4	G1"	
CA	G1/4	G3/4	G1"	AMC25,50,75,100
DB	NPT1/4	NPT3/4	G1"	
CC	G1/4	G1"	G1"	AMC25,50,75,100,125,150
08A	φ8	G3/4	G1"	AMC25,50,75,100
08B	φ8	NPT3/4	G1"	
10A	φ10	G3/4	G1"	
10B	φ10	NPT3/4	G1"	
10C	φ10	G1"	G1"	
12C	φ12	G1"	G1"	AMC25,50,75,100,125,150

Technical parameters

Model	Air supply pressure (bar)	Working temperature range (°C)	Max vacuum level(-kPa)	Max vacuum flow(NL/min)	Max air consumption (NL/min)	Weight (g)	Noise level (dB(A))	Vacuum chamber volume(cm³)	Recommended hose dia(mm)	
									Air supply port(P)	Vacuum port(V)
AMC25L	6.0	-10~80	75	360	130	430	63-68	140	8	25
AMC50L				710	260	435	63-68	140	8	25
AMC75L				1050	390	625	63-68	245	10	32
AMC100L				1410	520	630	63-68	245	10	32
AMC125L				1500	650	825	63-68	352	12	32
AMC150L				1690	780	830	63-68	352	12	32
AMC25H	4.5	-10~80	95	354	135	430	63-68	140	8	25
AMC50H				700	270	435	63-68	140	8	25
AMC75H				980	405	625	63-68	245	10	32
AMC100H				1380	540	630	63-68	245	10	32
AMC125H				1480	675	825	63-68	352	12	32
AMC150H				1650	810	830	63-68	352	12	32

◇Note: Max air supply pressure 7.0 bar, Noise level is tested in 0.5m far away from vacuum pump

Vacuum flow (NL/min)at different vacuum levels(-kPa)

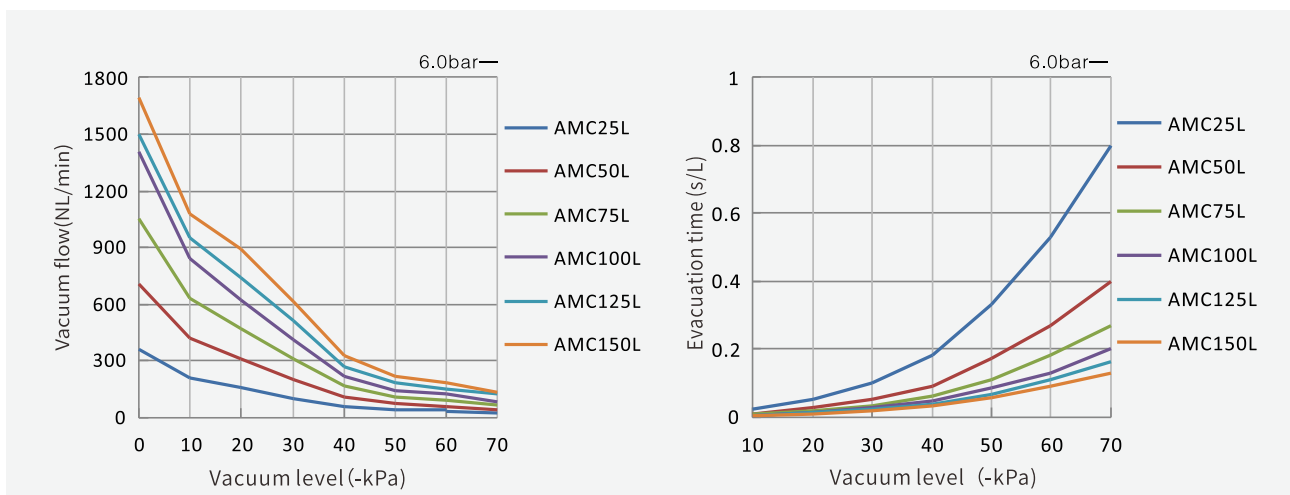
Model	Air supply pressure	Air consumption (NL/min)	Vacuum level (-kPa)								Max vacuum level (-kPa)
			0	10	20	30	40	50	60	70	
AMC25L	6.0	130	360	210	156	102	54	36	30	21	75
AMC50L	6.0	260	710	420	312	204	108	72	60	42	75
AMC75L	6.0	390	1050	630	468	306	162	108	90	66	75
AMC100L	6.0	520	1410	840	624	408	216	144	120	84	75
AMC125L	6.0	650	1500	948	744	510	270	180	150	126	75
AMC150L	6.0	780	1690	1074	888	612	324	216	180	132	75

AMC Series

Multistage Vacuum Pump

Evacuation time(s/L)to reach different vacuum levels(-kPa)

Model	Air supply pressure(bar)	Air consumption (NL/min)	10	20	30	40	50	60	70	Max vacuum level (-kPa)
AMC25L	6.0	130	0.02	0.05	0.1	0.18	0.33	0.53	0.80	75
AMC50L	6.0	260	0.01	0.025	0.05	0.09	0.17	0.27	0.40	75
AMC75L	6.0	390	0.007	0.17	0.033	0.06	0.11	0.18	0.27	75
AMC100L	6.0	520	0.005	0.13	0.025	0.045	0.083	0.13	0.20	75
AMC125L	6.0	650	0.005	0.12	0.022	0.036	0.066	0.11	0.16	75
AMC150L	6.0	780	0.004	0.01	0.018	0.03	0.055	0.09	0.13	75



Vacuum flow (NL/min)at different vacuum levels (-kPa)

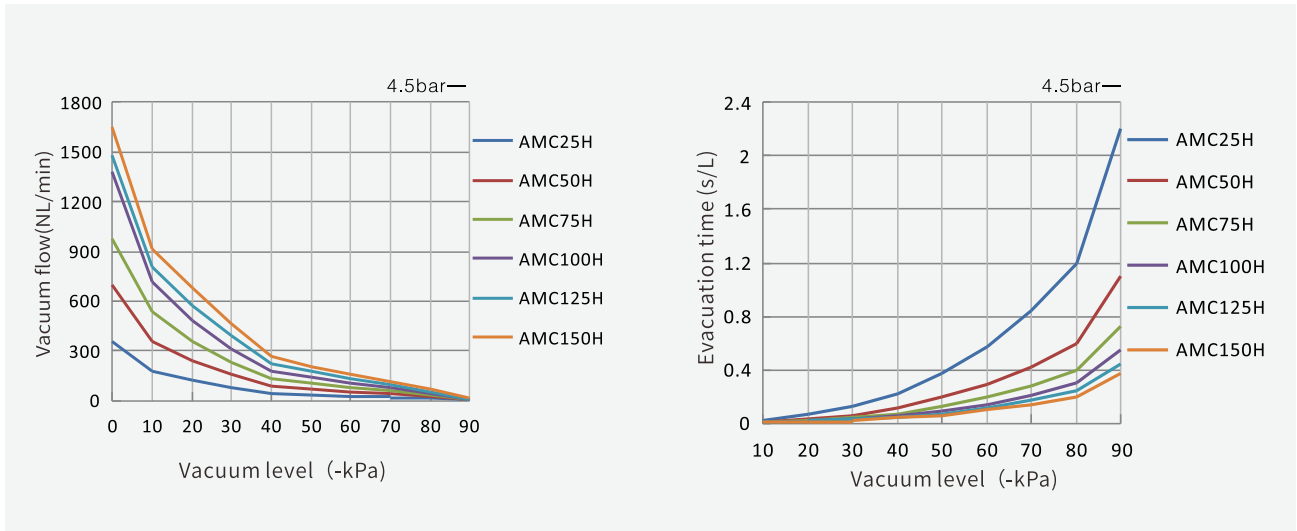
Model	Air supply pressure(bar)	Air consumption (NL/min)	0	10	20	30	40	50	60	70	80	90	Max vacuum level (-kPa)
AMC25H	5.0	135	354	180	120	78	43.8	34.8	25.8	19.2	10.8	1.8	95
AMC50H	5.0	270	700	360	240	156	87.6	69.6	51.6	38.4	21.6	3.6	95
AMC75H	5.0	405	980	540	360	234	131.4	104.4	77.4	57.6	32.4	5.4	95
AMC100H	5.0	540	1380	720	480	312	175.2	139.2	103.2	76.8	43.2	7.2	95
AMC125H	5.0	675	1480	810	570	390	219	174	129	96	54	9	95
AMC150H	5.0	810	1650	918	684	468	262.8	206.4	154.8	115.2	64.8	10.8	95

Evacuation time(s/L)to reach different vacuum levels(-kPa)

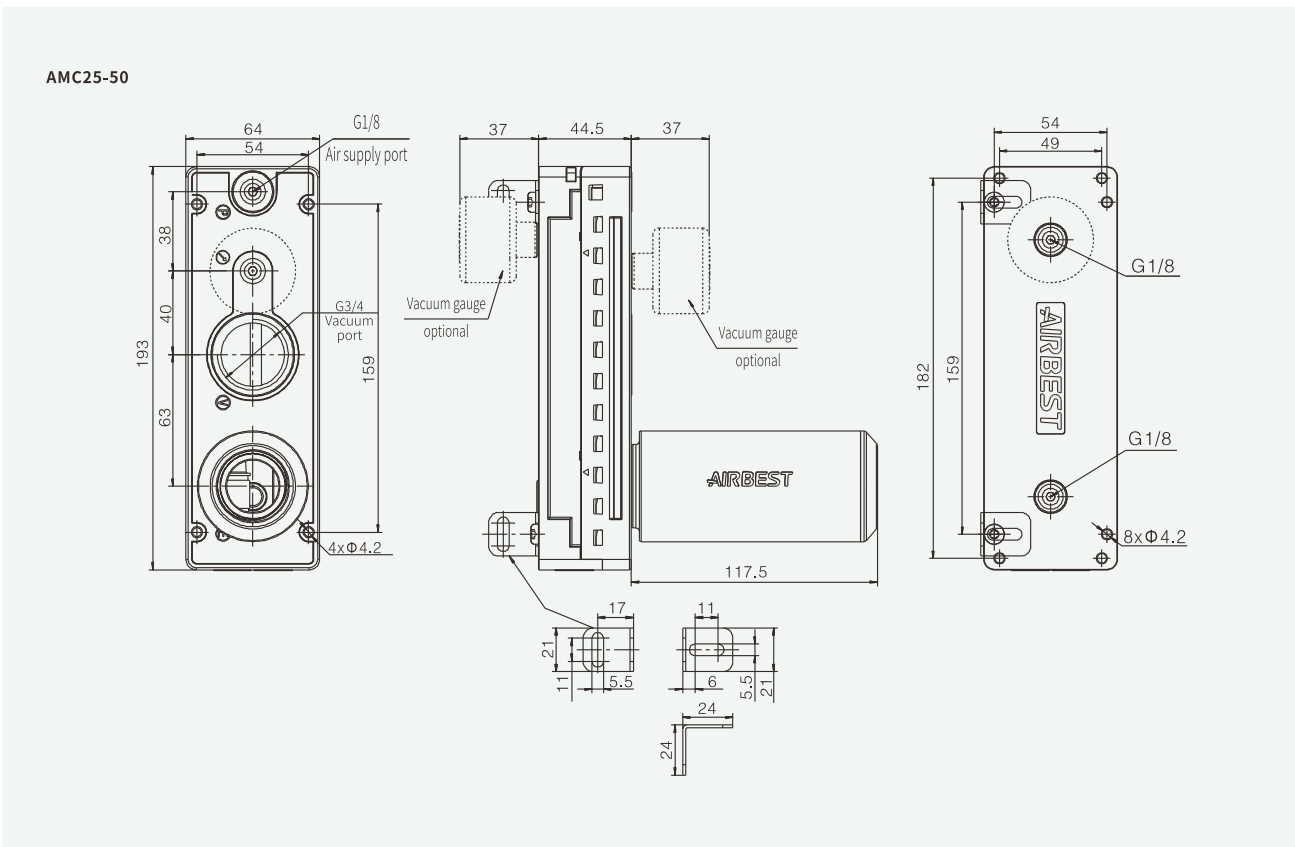
Model	Air supply pressure(bar)	Air consumption (NL/min)	10	20	30	40	50	60	70	80	90	Max vacuum level (-kPa)
AMC25H	4.5	135	0.022	0.062	0.12	0.22	0.37	0.57	0.84	1.20	2.20	95
AMC50H	4.5	270	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.60	1.10	95
AMC75H	4.5	405	0.007	0.021	0.04	0.07	0.12	0.19	0.28	0.40	0.73	95
AMC100H	4.5	540	0.006	0.016	0.03	0.055	0.09	0.14	0.21	0.30	0.55	95
AMC125H	4.5	675	0.005	0.014	0.026	0.044	0.07	0.11	0.17	0.24	0.44	95
AMC150H	4.5	810	0.005	0.012	0.022	0.04	0.06	0.10	0.14	0.20	0.37	95

AMC Series

Multistage Vacuum Pump



Dimensions (mm)



AMC Series

Multistage Vacuum Pump

Dimensions (mm)

