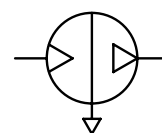


Description	The air amplifier compresses air or nitrogen from a standard pressure of 10 bar max. to the desired outlet pressure of 100 bar max. This is realised by cylinders with different ratios - simple, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Service life 3 million cycles, full load operation 12 min max. per hour.			
Media	lubricated, unlubricated and 50 µm filtered compressed air or nitrogen			
Mounting position	any			
Power device	Cylinder with integrated reversing valve, check valve and silencer. The pressure will be increased selective to the consumer. No energy consumption once final pressure is attained.			
Drive pressure	P _L	system air to drive the air amplifier, 2...10 bar		
Supply pressure	P _A	see table, for instance nitrogen or compressed air		
Operating pressure	P _B	amplified outlet or operating pressure of 20 bar to 100 bar maximum (P _B = P _L * I)		
Continuous operation	20% of the diagram values should maximally be realised at permanent running			
Temperature range	-20 °C to 60 °C / -4 °F to 140 °F		Sound level	max. 83 dB (A)
Material	Body: aluminium		Seals:	NBR/Buna-N

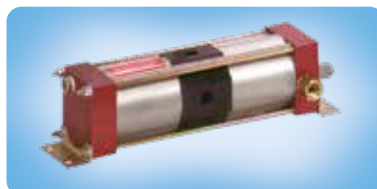


P_1 : max. 12 bar, P_2 : 100 bar
50 - 1200 l/min

Dimensions			Weight	Connection	Transmission	Flow	P_A	P_B	Order	
A	B	C	kg	thread	ratio	rate	max.	max.	number	E*
mm	mm	mm		G	$I = (P_L : P_B)$	l/min	bar	bar		

Pressure booster / Air amplifier supply pressure P_1 max. 12 bar, for compressed air drive pressure P_A 2...10 bar AM

86	343	84	3.3	G $\frac{3}{8}$	1 : 2	580 ^{*1}	10	20	AM20-0580
187	324	135	8.5	G $\frac{1}{2}$	1 : 2	960 ^{*1}	10	20	AM20-0960
285	427	180	21	G $\frac{3}{4}$	1 : 2	1200 ^{*1}	10	20	AM20-1200
180	392	135	8.5	G $\frac{1}{2}$	1 : 3.2	230 ^{*2}	32	32	AM32-0230
80	220	80	2.2	G $\frac{3}{8}$	1 : 4	50 ^{*3}	10	40	AM40-0050
251	471	176	16	G $\frac{3}{8}$	1 : 5	360 ^{*4}	60	60	AM60-0360
180	421	135	20	G $\frac{1}{4}$	1 : 10	280 ^{*5}	100	100	AM100-0250



AM20-0580



AM20-0960

Special options, add the appropriate letter

unlubricated operation seals	FEC seals for dry compressed air or nitrogen	AM...T
Ex-Atex	e.g. Ex II 3G/3D IIB x, more specifications possible	AM...EX
pressure booster for gas	up to max. 1500 bar outlet pressure	AM...G
pressure booster for liquids		AM...L



AM20-1200



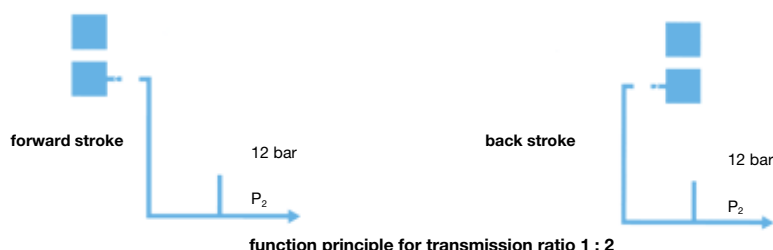
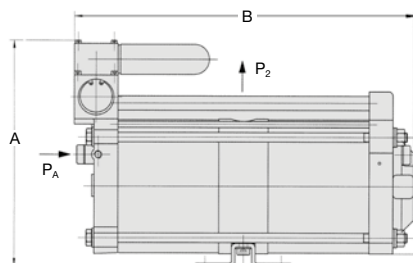
AM32-0230



AM40-0050



AM60-0360



function principle for transmission ratio 1 : 2

*1 at 6 bar supply and 8 bar outlet pressure under full load
*2 at 8 bar supply and 20 bar outlet pressure under full load

*3 at 6 bar supply and 16 bar outlet pressure under full load
*4 at 8 bar supply and 30 bar outlet pressure under full load
*5 at 8 bar supply and 40 bar outlet pressure under full load

Calculation examples can be found in the appendix

PDF CAD
www.aircom.net

* Product group



Order example:
AM20-0580