

Air usage and compressor sizing for AVL products

DEVICE	USAGE	UNITS	PER	COMPRESSOR RATING *	UNITS
PDL (16H) Dobby A-Lift	0.96	CFM @ 100 PSI	Loom	3	CFM
TDL (24H) Dobby A-Lift	1.06	CFM @ 100 PSI	Loom	3	CFM
FDL (16H) Dobby A-Lift	0.96	CFM @ 100 PSI	Loom	3	CFM
SDL (16H) Dobby A-Lift	0.96	CFM @ 100 PSI	Loom	3	CFM
SDL (24H) Dobby A-Lift	1.06	CFM @ 100 PSI	Loom	3	CFM
A' Loom Dobby (all models) A-Lift	1.25	CFM @ 100 PSI	Loom	4	CFM
RL 48 in., 72 in., 96 in., 120 in.	0.73	CFM @ 100 PSI	Loom	2	CFM
RL 144 in., 180 in.	1.45	CFM @ 100 PSI	Loom	4	CFM
Air-Assisted Shuttle	0.47	CFM @ 100 PSI	Loom	2	CFM
Air-Assisted Shuttle Boxes	0.47	CFM @ 100 PSI	Loom	2	CFM
IDL (all functions)	25.00	CFM @ 115 PSI	Loom	2	CFM
Air-Jacquard (336 Hook Head)	2.50	CFM @ 100 PSI	Head	8	CFM
Electro-Mechanical Jacquard (7/07) A-Lift (120 Hook Head)	1.50	CFM @ 100 PSI	10 Heads	5	CFM

COMPRESSOR RATING COMMENTS:

I suggest sizing a compressor for worst case scenerios like say, 50% duty cycle. When using a 50% duty cycle, doubling the usage another 50% will insure the compressor is not working at it's maximum capacity, making it last longer and delivering reliable comp

EXAMPLE: PDL doobby uses .963 CFM. Round up to 1 CFM, X 2 = 2 CFM, + (50%) 1 CFM =3 CFM recommended compressor si

Exceptions to the above sizing methods are products that may use compressors other than the reciprocating type. Screw type com

volume applications such as IDL's, or a Jacquard with several heads.

PPM = Picks Per Minute
 CFM = Cubic Feet Per Minute
 PSI = Pounds Per Square Inch