

Bulletin: 35-22

TO: All Greenheck Representatives
FROM: Dave Mayer, Product Manager, Power Roof Ventilators
DATE: July 25, 2022
SUBJECT: PRV Duct, Damper and Roof Opening Updates



In the CAPS® 4.39 release, models CUE, CUBE, G and GB will have updated dimensions for the duct, damper and roof openings. These changes have been made to take advantage of the larger curb cap sizes offered as well as maximize the roof openings for additional duct clearance. A summary of the changes is shown below followed by more detail.

Item	Applies To	Change
Damper/Duct Size	All models, select sizes	Up to 6" larger
Fire Wrap Duct	CUE/CUBE-99+	Up to 6" larger
Roof Opening	All	Up to 6" larger

Damper Sizing:

Damper sizes for fan sizes 180 (all models) and larger and CUE/CUBE sizes 99-160 with the larger curb cap option will use damper sizes up to 6" larger. If a damper is selected as an accessory to the fan, the damper size provided will match the new recommended size, along with the damper tray in the accessory curb (if applicable).

Note: Existing marks on jobs that are converted to CAPS 4.39 will have dampers/damper trays remain at the original sizes. New marks created on existing jobs will use the new damper sizing.

Recommended Duct Sizing:

The recommended duct sizing will still match the damper size as called out above. Remember that this is the recommended duct sizing at the roof opening up to the fan – the ductwork inside the building will be defined by the engineer/system designer.

Fire Wrap Duct Sizing:

We have provided guidance for fire wrapped ductwork on our CUE and CUBE models for use in UL762 applications for some time. With this update, all fan sizes will see recommendations for fire wrap duct sizing increase by 4"- 6".

Recommended Roof Opening:

The recommended roof opening has been increased on all sizes other than the 140-160 with 22" curb cap. The roof opening has been standardized across all sizes to be the fan curb cap size minus 3.5" and will also now be referred to as the "maximum" roof opening. This dimension cannot be larger in the field or the roof curb will not fully be supported but can be smaller if desired.

The table below shows the details for the damper change by fan size. Any size not listed in the table will remain the same.

Model	Size	Curb Cap	New Damper Size	Previous Damper Size
CUE/CUBE	99	22	16	12
CUE/CUBE	100	22	16	12
CUE/CUBE	120	22	16	12
CUE/CUBE	130	22	16	12
CUE/CUBE	140	26	18	16
CUE/CUBE	160	26	18	16
CUE/CUBE	180	30	24	18
G/GB	180	30	24	18
CUE/CUBE	200	30	24	18
G/GB	200	30	24	18
G/GB	260	40	34	30
CUE/CUBE	300	40	34	30
G/GB	300	40	34	30
G/GB	330	46	40	36
CUE/CUBE	360	46	40	36
G/GB	360	46	40	36
CUE/CUBE	420	52	46	42
G/GB	420	52	46	42
CUE/CUBE	480	58	52	48
G/GB	480	58	52	48
G/GB	500	64	58	54
G/GB	540	64	58	54
CUE/CUBE	100HP	22	16	12
CUE/CUBE	140HP	26	18	16
CUE/CUBE	160HP	26	18	16
CUE/CUBE	160XP	26	18	16
CUE/CUBE	180HP	30	24	18
G/GB	180HP	30	24	18
CUE/CUBE	200HP	30	24	18
G/GB	200HP	30	24	18
CUE/CUBE	300HP	40	34	30
G/GB	300HP	40	34	30
CUE/CUBE	300XP	40	34	30
CUE/CUBE	360HP	46	40	36
G/GB	360HP	46	40	36

Please contact PRVFans@greenheck.com with questions.