

# ALX-UB SERIES

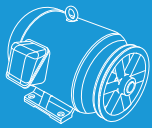
Upblast belt drive  
spun aluminum exhasuters



Intertek  
UL705 Power  
Ventilator for Restaurant  
Exhaust Appliances



UL705 Supplement SC - Power Ventilator for Restaurant Exhaust Appliances certified, refer to our UL705 Supplement SC - Power Ventilator for Restaurant Exhaust Appliances Catalogue page C in Roof Mount Ventilation for all installation requirements



AVAILABLE WITH MOTORS  
& DRIVES FACTORY  
INSTALLED. CONSULT OUR  
DELAIR FAN SELECTION  
SOFTWARE FOR DETAILS.



QUICK RELEASE LATCHES  
FOR EASY MOTOR ACCESS

## FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive.
- For motor options consult our fan selection software Delair. [www.canarm.com/delair](http://www.canarm.com/delair)
- Units up to 24" (max 2HP) can be wall mounted.
- Quick release latches for easy motor access.

## OPTIONS

- Wall mount bracket (for all sizes up to 24")
- Grease collection box (required for restaurant exhaust applications)
- Curb hinge
- Disconnect switches
- Roof curbs
- Other base (curb cap) options available. See C2 in dimensions table.

Options for use only in non-restaurant applications:

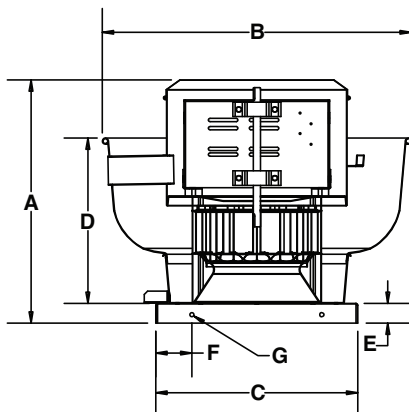
- Motorized damper
- Gravity (automatic) damper
- Bird screen

## DIMENSIONS

| MODEL     | DIMENSIONS (INCHES) |       |       |       |       |      |      |      |               |                   |                 | WEIGHT (lbs)<br>without motors |
|-----------|---------------------|-------|-------|-------|-------|------|------|------|---------------|-------------------|-----------------|--------------------------------|
|           | A                   | B     | C     | C2    | D     | E    | F    | G Ø  | Shaft<br>Size | Wheel<br>Diameter | Roof<br>Opening |                                |
| ALX135-UB | 25.25               | 32.13 | 21.00 | 24.75 | 17.13 | 2.00 | 3.75 | 0.44 | 3/4"          | 13.50             | 17.00           | 43                             |
| ALX150-UB | 26.13               | 32.13 | 21.00 | 24.75 | 17.13 | 2.00 | 3.75 | 0.44 | 3/4"          | 15.00             | 17.00           | 45                             |
| ALX165-UB | 31.13               | 37.50 | 24.75 | 28.00 | 21.13 | 2.00 | 4.00 | 0.44 | 3/4"          | 16.50             | 20.75           | 108                            |
| ALX180-UB | 31.75               | 37.50 | 28.00 | 24.75 | 21.13 | 2.00 | 4.00 | 0.44 | 3/4"          | 18.25             | 20.75           | 116                            |
| ALX210-UB | 36.25               | 43.75 | 33.13 | 40.00 | 25.50 | 2.50 | 4.00 | 0.44 | 1"            | 21.00             | 29.00           | 178                            |
| ALX245-UB | 37.00               | 43.75 | 33.13 | 40.00 | 25.50 | 2.50 | 4.00 | 0.44 | 1"            | 24.50             | 29.00           | 183                            |

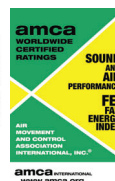
Net weights for belt drive units do not include motor & drives.

 DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.



## DISCONNECT SWITCHES

- Wire disconnect switches are available.  
See Controls & Thermostats section for details.



Canarm Ltd. certifies that the ALX-UB Series 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.

# ALX-UB SERIES

Upblast belt drive  
spun aluminum exhasuters



## PERFORMANCE SPECIFICATIONS

### ALX UB WITH MOTORS & DRIVES

| MODEL                             | RPM RANGE   | HP    | RPM  | Sones @ 1/2" SP | 0" SP |      |      |             | 1/2" SP |      |      |             | 1" SP |      |      |             | 1-1/4" SP |      |      |             | 1-1/2" SP |      |     |             |
|-----------------------------------|-------------|-------|------|-----------------|-------|------|------|-------------|---------|------|------|-------------|-------|------|------|-------------|-----------|------|------|-------------|-----------|------|-----|-------------|
|                                   |             |       |      |                 | CFM   | BHP  | FEI  | FEPAct (kW) | CFM     | BHP  | FEI  | FEPAct (kW) | CFM   | BHP  | FEI  | FEPAct (kW) | CFM       | BHP  | FEI  | FEPAct (kW) | CFM       | BHP  | FEI | FEPAct (kW) |
| SINGLE PHASE AND WIRED DISCONNECT |             |       |      |                 |       |      |      |             |         |      |      |             |       |      |      |             |           |      |      |             |           |      |     |             |
| ALX135UBT10025**                  | 862-1293    | 1/4   | 1042 | 8.6             | 1221  | 0.15 | -    | -           | 810     | 0.16 | -    | -           | -     | -    | -    | -           | -         | -    | -    | -           | -         | -    |     |             |
| ALX135UBT10033**                  | 932-1398    | 1/3   | 1212 | 12.1            | 1417  | 0.23 | -    | -           | 1079    | 0.25 | -    | -           | -     | -    | -    | -           | -         | -    | -    | -           | -         | -    |     |             |
| ALX135UBT10050**                  | 1122 - 1552 | 1/2   | 1394 | 16.6            | 1629  | 0.36 | -    | -           | 1345    | 0.37 | -    | -           | 987   | 0.38 | -    | -           | -         | -    | -    | -           | -         | -    |     |             |
| ALX150UBT10050**                  | 932-1398    | 1/2   | 1165 | 15.6            | 1928  | 0.33 | -    | -           | 1547    | 0.36 | -    | -           | -     | -    | -    | -           | -         | -    | -    | -           | -         | -    |     |             |
| ALX150UBT10075**                  | 1078-1617   | 3/4   | 1367 | 21              | 2257  | 0.53 | -    | -           | 1956    | 0.56 | -    | -           | 1534  | 0.58 | -    | -           | 1268      | 0.57 | -    | -           | -         | -    |     |             |
| ALX150UBT10100                    | 1341-1820   | 1     | 1473 | 23              | 2439  | 0.66 | 0.49 | 0.68        | 2164    | 0.70 | 0.84 | 0.72        | 1786  | 0.73 | 1.02 | 0.74        | 1575      | 0.72 | 1.09 | 0.73        | 1294      | 0.71 |     |             |
| ALX165UBT10100                    | 1097-1489   | 1     | 1379 | 25              | 2627  | 0.72 | 0.48 | 0.73        | 2303    | 0.78 | 0.80 | 0.79        | 1866  | 0.81 | 0.97 | 0.81        | 1584      | 0.80 | 0.99 | 0.80        | 1224      | 0.77 |     |             |
| ALX165UBT10150                    | 1254-1646   | 1 1/2 | 1605 | 33              | 3060  | 1.13 | 0.36 | 1.10        | 2792    | 1.20 | 0.63 | 1.16        | 2462  | 1.25 | 0.82 | 1.20        | 2266      | 1.27 | 0.87 | 1.22        | 2042      | 1.28 |     |             |
| ALX180UBT10100                    | 980-1293    | 1     | 1222 | 25              | 3403  | 0.89 | 0.48 | 0.88        | 3007    | 0.94 | 0.84 | 0.92        | 2417  | 0.98 | 1.00 | 0.96        | 2025      | 0.97 | 1.02 | 0.95        | 1291      | 0.82 |     |             |
| ALX180UBT10200                    | 1097-1489   | 2     | 1419 | 33              | 3944  | 1.38 | 0.37 | 1.31        | 3634    | 1.45 | 0.66 | 1.37        | 3185  | 1.52 | 0.85 | 1.43        | 2924      | 1.54 | 0.90 | 1.45        | 2611      | 1.53 |     |             |
| ALX210UBT10150                    | 862-1132    | 1 1/2 | 1021 | 26              | 4744  | 1.33 | 0.44 | 1.27        | 4213    | 1.36 | 0.79 | 1.30        | 3458  | 1.34 | 1.02 | 1.28        | 2937      | 1.29 | 1.06 | 1.23        | 1969      | 1.11 |     |             |
| ALX245UBT10150                    | 673-889     | 1 1/2 | 790  | 23              | 5785  | 1.24 | 0.55 | 1.19        | 4828    | 1.26 | 0.96 | 1.21        | 3306  | 1.18 | 1.10 | 1.14        | -         | -    | -    | -           | -         | -    |     |             |
| ALX245UBT10200                    | 745-979     | 2     | 864  | 28              | 6311  | 1.62 | 0.46 | 1.52        | 5468    | 1.64 | 0.84 | 1.54        | 4209  | 1.61 | 1.02 | 1.51        | 3336      | 1.50 | 1.03 | 1.42        | -         | -    |     |             |
| ALX245UBT10300                    | 862-1132    | 3     | 964  | 35              | 7066  | 2.27 | 0.37 | 2.08        | 6333    | 2.30 | 0.70 | 2.10        | 5326  | 2.28 | 0.91 | 2.09        | 4704      | 2.24 | 0.96 | 2.05        | 3970      | 2.14 |     |             |
| THREE PHASE WITH NO DISCONNECT    |             |       |      |                 |       |      |      |             |         |      |      |             |       |      |      |             |           |      |      |             |           |      |     |             |
| ALX150UB30100*                    | 1341-1820   | 1     | 1473 | 23              | 2439  | 0.66 | 0.50 | 0.66        | 2164    | 0.70 | 0.87 | 0.69        | 1786  | 0.73 | 1.06 | 0.72        | 1575      | 0.72 | 1.12 | 0.71        | 1294      | 0.71 |     |             |
| ALX165UB30100*                    | 1097-1489   | 1     | 1379 | 25              | 2627  | 0.72 | 0.49 | 0.71        | 2303    | 0.78 | 0.82 | 0.76        | 1866  | 0.81 | 1.00 | 0.79        | 1584      | 0.80 | 1.03 | 0.78        | 1224      | 0.77 |     |             |
| ALX165UB30150*                    | 1254-1646   | 1 1/2 | 1605 | 33              | 3060  | 1.13 | 0.36 | 1.08        | 2792    | 1.20 | 0.64 | 1.14        | 2462  | 1.25 | 0.83 | 1.18        | 2266      | 1.27 | 0.88 | 1.20        | 2042      | 1.28 |     |             |
| ALX180UB30100*                    | 980-1293    | 1     | 1222 | 25              | 3403  | 0.89 | 0.50 | 0.86        | 3007    | 0.94 | 0.86 | 0.90        | 2417  | 0.98 | 1.02 | 0.94        | 2025      | 0.97 | 1.04 | 0.93        | 1291      | 0.82 |     |             |
| ALX180UB30200*                    | 1097-1489   | 2     | 1419 | 33              | 3944  | 1.38 | 0.37 | 1.31        | 3634    | 1.45 | 0.66 | 1.37        | 3185  | 1.52 | 0.84 | 1.43        | 2924      | 1.54 | 0.90 | 1.45        | 2611      | 1.53 |     |             |
| ALX210UB30150*                    | 862-1132    | 1 1/2 | 1021 | 26              | 4744  | 1.33 | 0.44 | 1.26        | 4213    | 1.36 | 0.80 | 1.28        | 3458  | 1.34 | 1.03 | 1.26        | 2937      | 1.29 | 1.08 | 1.22        | 1969      | 1.11 |     |             |
| ALX245UB30150*                    | 673-889     | 1 1/2 | 790  | 23              | 5785  | 1.24 | 0.56 | 1.18        | 4828    | 1.26 | 0.97 | 1.19        | 3306  | 1.18 | 1.11 | 1.12        | -         | -    | -    | -           | -         | -    |     |             |
| ALX245UB30200*                    | 745-979     | 2     | 864  | 28              | 6311  | 1.62 | 0.46 | 1.52        | 5468    | 1.64 | 0.84 | 1.54        | 4209  | 1.61 | 1.02 | 1.51        | 3336      | 1.50 | 1.03 | 1.42        | -         | -    |     |             |
| ALX245UB30300*                    | 862-1132    | 3     | 964  | 35              | 7066  | 2.27 | 0.38 | 2.04        | 6333    | 2.30 | 0.71 | 2.07        | 5326  | 2.28 | 0.92 | 2.05        | 4704      | 2.24 | 0.98 | 2.02        | 3970      | 2.14 |     |             |

\*\* 115V only. All other motors will be wired at high voltage.

\*For three phase motors, substitute "\*" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

Performance certified is for installation type A: Free inlet, free outlet with partition.

Power rating does not include transmission losses.

Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in hemispherical sones at a distance of 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for installation type A: free outlet hemispherical sone levels.

### ALX UB WITHOUT MOTORS & DRIVES

| MODEL      | MIN HP | MAX HP | MAX WHEEL RPM | FAN RPM | TYPICAL MAXIMUM CFM @ SP |      |      |             |         |      |      |             |       |      |      |             |           |      |      |             |           |      |      |             |
|------------|--------|--------|---------------|---------|--------------------------|------|------|-------------|---------|------|------|-------------|-------|------|------|-------------|-----------|------|------|-------------|-----------|------|------|-------------|
|            |        |        |               |         | 0" SP                    |      |      |             | 1/2" SP |      |      |             | 1" SP |      |      |             | 1-1/4" SP |      |      |             | 1-1/2" SP |      |      |             |
|            |        |        |               |         | CFM                      | BHP  | FEI  | FEFact (kW) | CFM     | BHP  | FEI  | FEFact (kW) | CFM   | BHP  | FEI  | FEFact (kW) | CFM       | BHP  | FEI  | FEFact (kW) | CFM       | BHP  | FEI  | FEFact (kW) |
| ALX135-UB  | -      | 3/4    | 2400          | 1736    | 2033                     | 0.69 | 0.41 | 0.70        | 1817    | 0.71 | 0.72 | 0.72        | 1560  | 0.73 | 0.92 | 0.74        | 1424      | 0.74 | 0.98 | 0.75        | 1264      | 0.74 | 1.02 | 0.75        |
| ALX150-UB  | 1/4    | 1      | 1800          | 1627    | 2692                     | 0.89 | 0.40 | 0.88        | 2453    | 0.93 | 0.72 | 0.92        | 2137  | 0.97 | 0.91 | 0.95        | 1956      | 0.98 | 0.98 | 0.96        | 1766      | 0.98 | 1.02 | 0.96        |
| ALX165-UB  | 1/2    | 1      | 1800          | 1800    | 3431                     | 1.60 | 0.29 | 1.50        | 3188    | 1.67 | 0.52 | 1.56        | 2918  | 1.74 | 0.69 | 1.62        | 2764      | 1.76 | 0.76 | 1.64        | 2589      | 1.78 | 0.81 | 1.66        |
| ALX180-UB  | 1/4    | 2      | 1500          | 1500    | 4180                     | 1.64 | 0.33 | 1.54        | 3881    | 1.70 | 0.60 | 1.59        | 3476  | 1.78 | 0.79 | 1.66        | 3244      | 1.81 | 0.85 | 1.68        | 2967      | 1.81 | 0.90 | 1.68        |
| ALX210-UB* | 1/2    | 3      | 1300          | 1300    | 6026                     | 2.73 | 0.28 | 2.47        | 5652    | 2.79 | 0.53 | 2.52        | 5180  | 2.81 | 0.73 | 2.54        | 4905      | 2.80 | 0.81 | 2.53        | 4571      | 2.78 | 0.87 | 2.51        |
| ALX245-UB* | 1/2    | 5      | 1200          | 1200    | 8779                     | 4.35 | 0.24 | 3.83        | 8234    | 4.41 | 0.48 | 3.88        | 7540  | 4.42 | 0.66 | 3.89        | 7180      | 4.41 | 0.74 | 3.88        | 6708      | 4.38 | 0.80 | 3.86        |

\* Motor adaptor plate required for 3HP+

Performance certified is for installation type A: Free inlet, free outlet with partition.

Power rating does not include transmission losses.

Performance ratings do not include the effects of appurtenances.

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