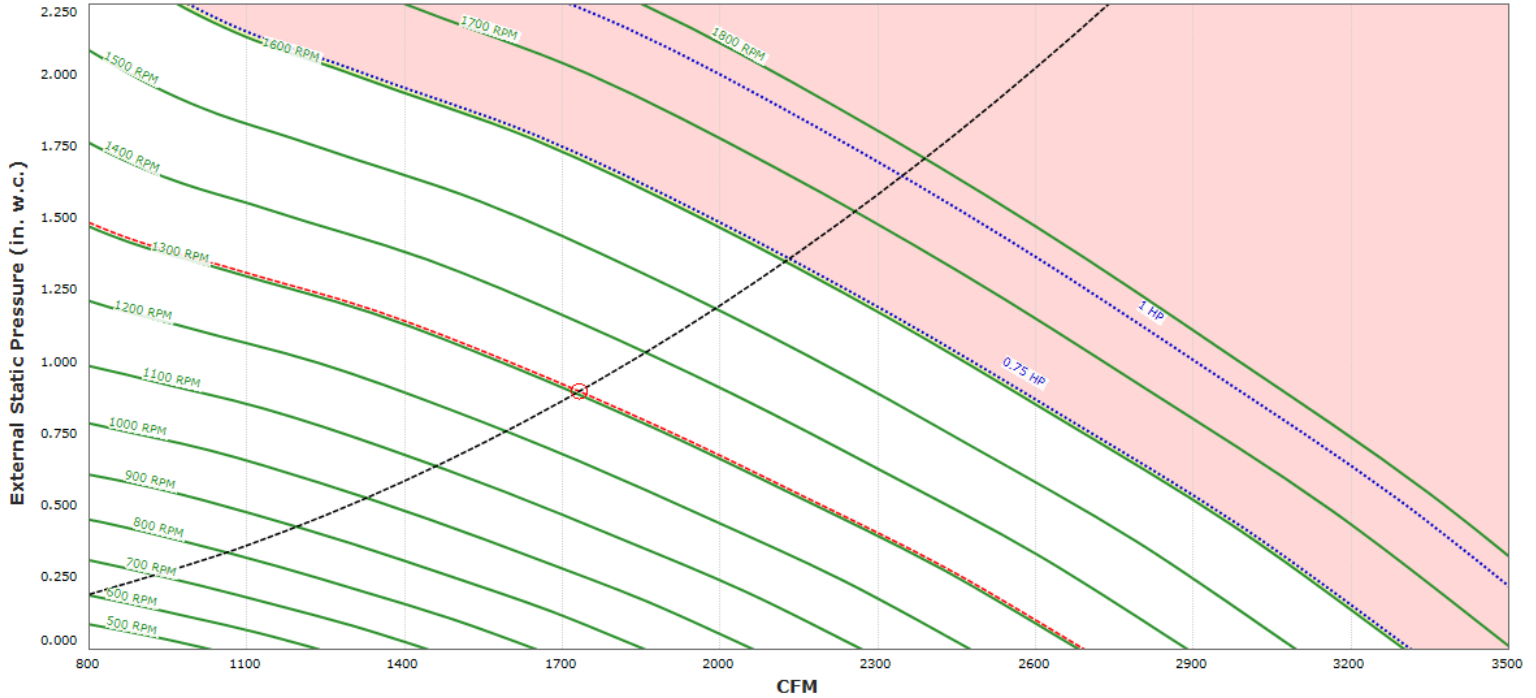


**DU85HFA (#1)** Qty: 3, Weight: 134 lbs. each



High Speed Direct Drive Centrifugal Upblast Exhaust Fan with speed control (speed control included for single phase only), disconnect switch and 15-3/4" wheel.



## EXHAUST MOTOR

Model CK48HF15FF01-60-115 • 0.750 HP • 1 Phs • 115 V • 60Hz • 9.8 FLA • ODP (Open Drip Proof)

## EXHAUST PERFORMANCE

Volume:	1732 CFM	RPM:	1305	TS:	5381 ft/min
Static Pressure:	0.900" w.g.	BHP:	0.403	Discharge Velocity:	548 FPM
Altitude:	0'	Ambient Temp:	120.0°F	FEI:	1.716

## EXHAUST INSTALLATION INFORMATION

Unit Voltage:	1 phs 115 V 60Hz
Unit Main Input:	12.3 Amps MCA • 20 Amps MOP • 115 V • 14 AWG Wire Min.
SCCR:	10 kAmp

## CONSTRUCTION FEATURES

- Housing constructed of heavy gauge aluminum
- Centrifugal backward inclined, non-overloading wheel
- Weatherproof safety disconnect switch
- Grease spout welded to housing
- Vibration isolators
- Continuous duty, thermal protected, permanently lubricated, direct drive motor
- Forces fresh air through motor to ensure long motor life
- Variable Speed Control on Single Phase Units Only. (VFDs required to adjust speed for 3 phase versions)
- Corrosion resistant fasteners
- Thermal overload protection
- High heat operation (400 °F)
- Rated for restaurant and general ventilation applications
- Grease classification tested

## CONFIGURED OPTIONS

- Grease Cup for kitchen-duty centrifugal exhaust fans, Box Dimensions 17-1/8 L X 5-1/16 W X 3-3/4 H (20 Gauge) (Includes Down Spout)
- Full crating for exhaust fans for shipping.

**DU85HFA SOUND (1305 RPM) AT 5 FT. IN OCTAVES:**

1	2	3	4	5	6	7	8
75.7	76.6	77.9	70.6	67.6	65.3	60.6	54.4
LWA:	74.3	Sones:	11.2	DBA:	62.8		

Note: Sound data across operational range. Tested in accordance to AHRI Standard 270/370.

## FEATURES:

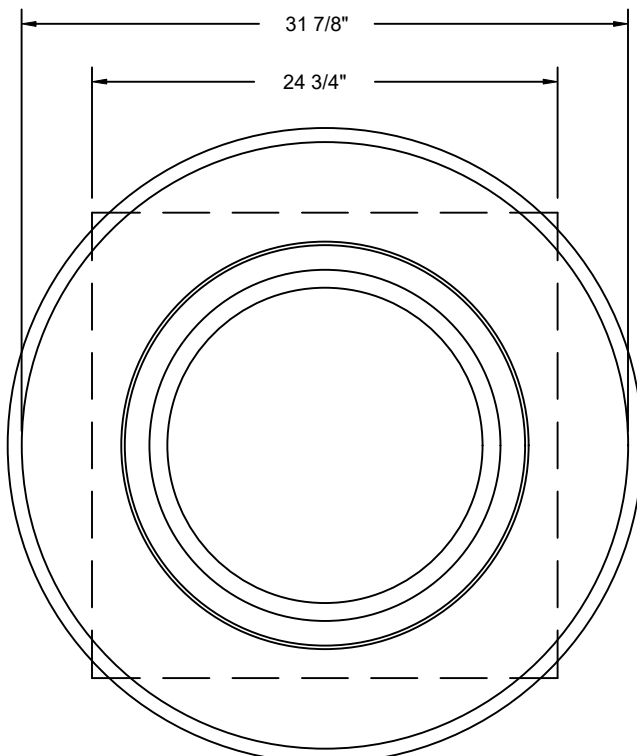
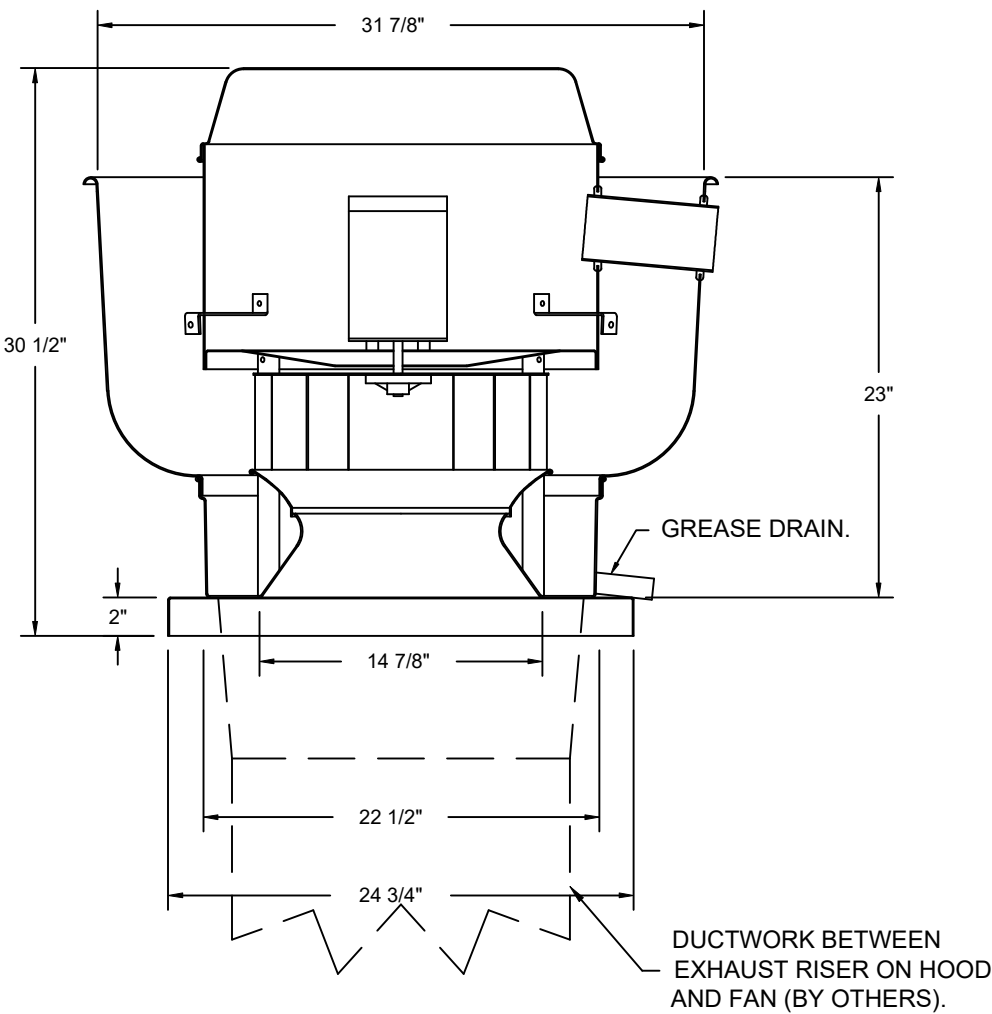
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

### NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

### ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.



TOP VIEW