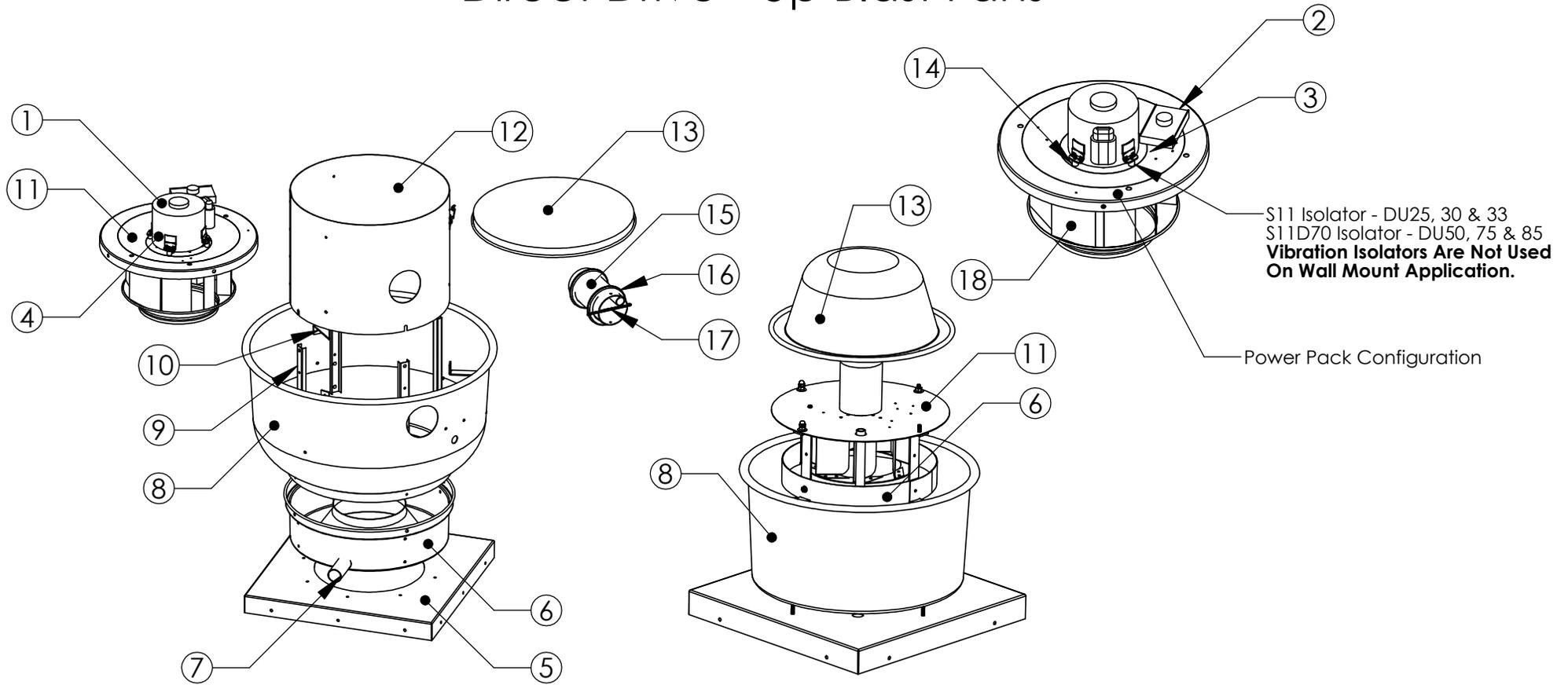


# Direct Drive - Up Blast Fans



Direct Drive - Motor - Part Information.

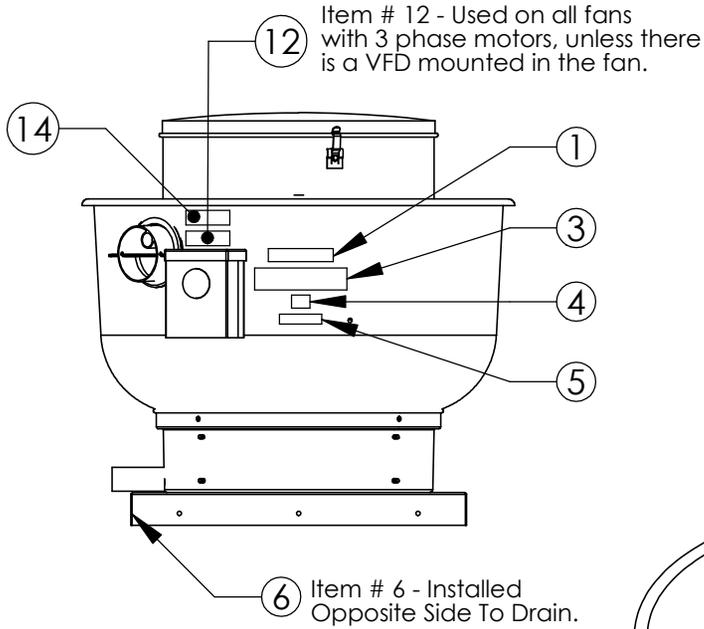
Item #	Description Of Parts	DU10	#	DU12	#	DU25	#	DU30	#	DU33	#	DU50	#	DU75	#	DU85	#
1	Motor Single Phase	8550	1	8550A	1	6312R	1	6245R	1	6310R	1	6311R	1	6241R	1	6251R2	1
2	Speed Control	KBWC-16K	1	KBWC-110K	1	KBWC-115K	1	KBWC-115K	1								
3	Wire Harness	810040E	1	810040E	1	810040D	1	810040D	1	810040D	1	810040D	1	810040D	1	810040D	1
4	Motor Three Phase (VFD Only)	N/A						6315	1	6317	1	N/A		6319R	1		

Direct Drive - Up Blast Fan - Part Information.

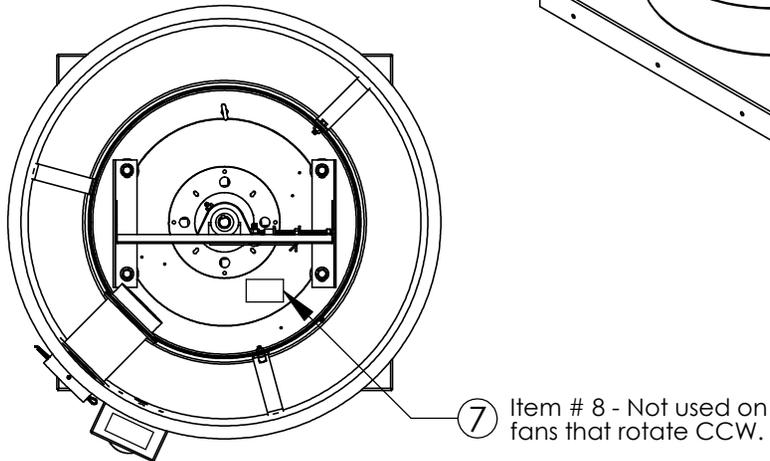
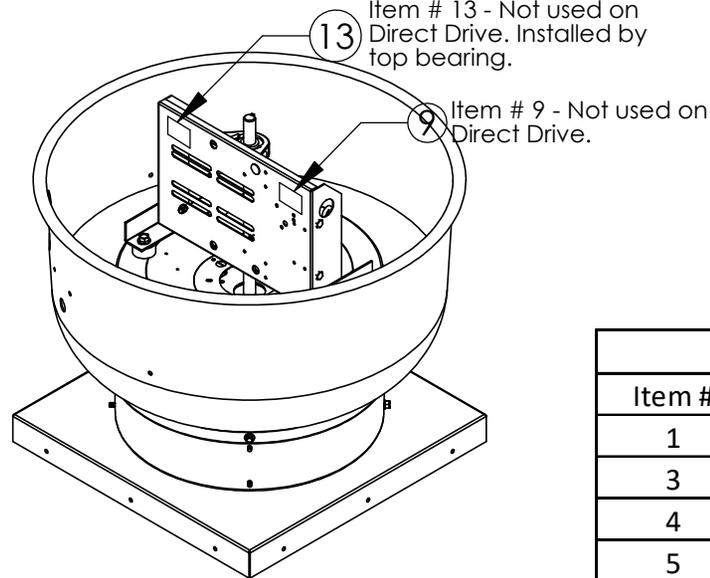
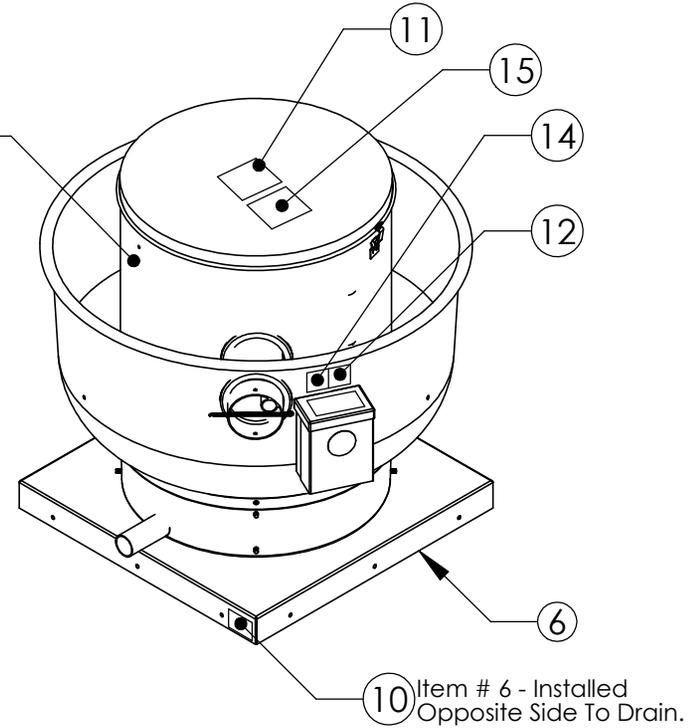
Item #	Description Of Parts	DU10	#	DU12	#	DU25	#	DU30	#	DU33	#	DU50	#	DU75	#	DU85	#	
5	Base Assembly	F8041508-S	1	F8041516-S	1	F8040011-S	1	F8040011-S	1	F8040011-S	1	F8040013-S	1	F8040015-S	1	F8040015-S	1	
6	Baffle	F2021508	1	N/A		F5020011	1	F5020011	1	F5020011	1	F5020013	1	F5020015	1	F5020015	1	
7	Drain	N/A	F2100016	1	F2100017	1	F2100016	1	F2100016	1								
8	Apron	F5061508	1	F5061516	1	F5060011	1	F5060011	1	F5060011	1	F5060013	1	F5060015	1	F5060015	1	
9	Vertical Brace Assembly	F8031508-S	4	F8031516-S	4	F8030011-P	4	F8030011-P	4	F8030011-P	4	F8030013-P	5	F8030015-P	5	F8030015-P	5	
10	Horizontal Brace	N/A			F2030011-S	3	F2030011-S	3	F2030011-S	3	F2030011-S	3	F2030013-S	3	F2030015-S	4	F2030015-S	4
11	Top Plate	F2041508-S	1	F5041516-S	1	F5040011-S	1	F5040011-S	1	F5040011-S	1	F5040013-S	1	F5040015-S	1	F5040015-S	1	
12	Shaft Wrapper	N/A	F2051516-S	1	F2050011-S	1	F2050011-S	1	F2050011-S	1	F2050011-S	1	F2050013-S	1	F2050015-S	1	F2050015-S	1
13	Pan Hood / Motor Cover	F5151508-S	1	F5151516-S	1	F5150011-S	1	F5150011-S	1	F5150011-S	1	F5150013-S	1	F5150015-S	1	F5150015-S	1	
14	Vibration Isolator (not used on wall mount)	N/A			S11	4	S11	4	S11	4	S11D70	4	S11D70	4	S11D70	4	S11D70	4
15	Cooling Tube	N/A	F2140014	1	F2140015	1												
16	Cooling Tube Grommet	N/A	F2100001	2	F2100001	2												
17	Cotter Pin - Cooling Tube	N/A			800103	3	800103	3	800103	3	800103	3	800103	3	800103	3	800103	3
18	Standard Wheel Assembly	F8011508	1	F8011516	1	F8010010	1	F8010010	1	F8010010	1	F8010014	1	F8010017	1	F8010017	1	
19	Bird Screen UL705 Only	F2361508	1	N/A														



# Up Blast - Label Locations



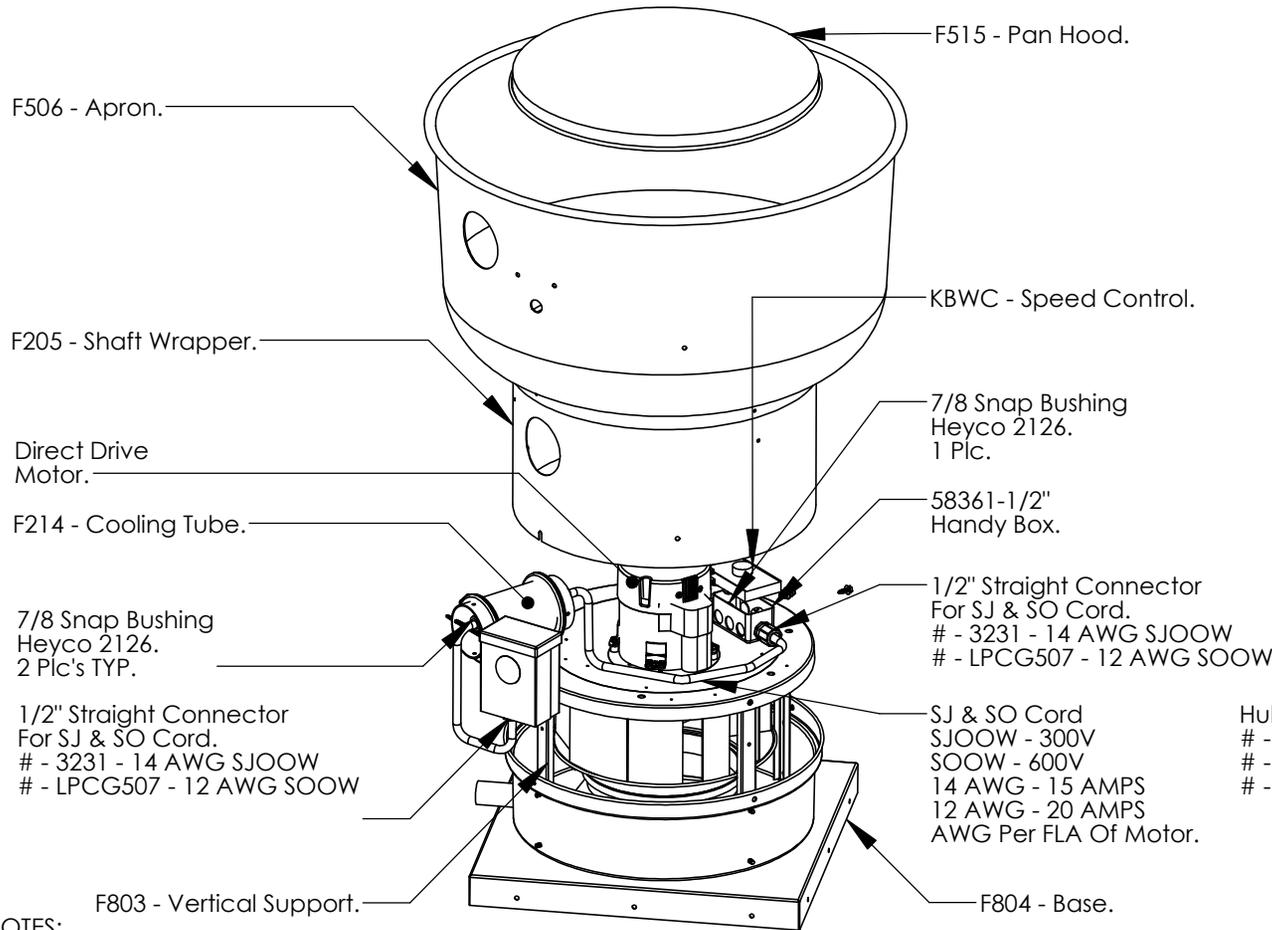
Item # 3 - ETL Label is also placed on the inside of the shaft wrapper



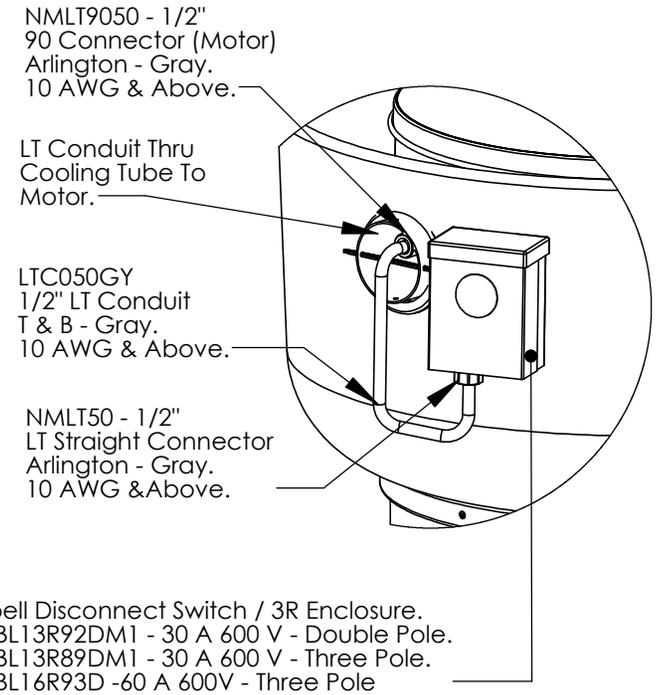
Labels - Up Blast Fan - Part Information.		
Item #	Description Of Parts	#
1	Name Brand Label	1
3	ETL Label	2
4	AMCA Air & Sound	1
5	QC Passed Label	1
6	Hinge Kit Label	1
7	Rotation Label CCW	1
9	Belt Size Label	1
10	Wall Mount Label	1
11	Loose Items Label	1
12	ATTENTION ! VFD Label	1
13	Bearing Grease Label	1
14	Disconnect Switch Label	1
15	Lifting Locations Under Motor Cover Label	1

# Direct & Belt Drive - Up Blast - Electrical Components

## Motor Wiring - Direct Drive Details.



## Motor Wiring - Belt Drive Details.



### NOTES:

1. Belt drive electrical components are the same except the SJ, SO & LT are connected to the motor.
2. Belt drive fans requiring 10 AWG and above use liquid tight conduit and connectors.
3. Belt drive fans do not use KBWC speed controls or wire harnesses.
4. See the fan information sheet for AWG requirements.
5. All KBWC speed controls are set to 65 VAC minimum voltage under load.

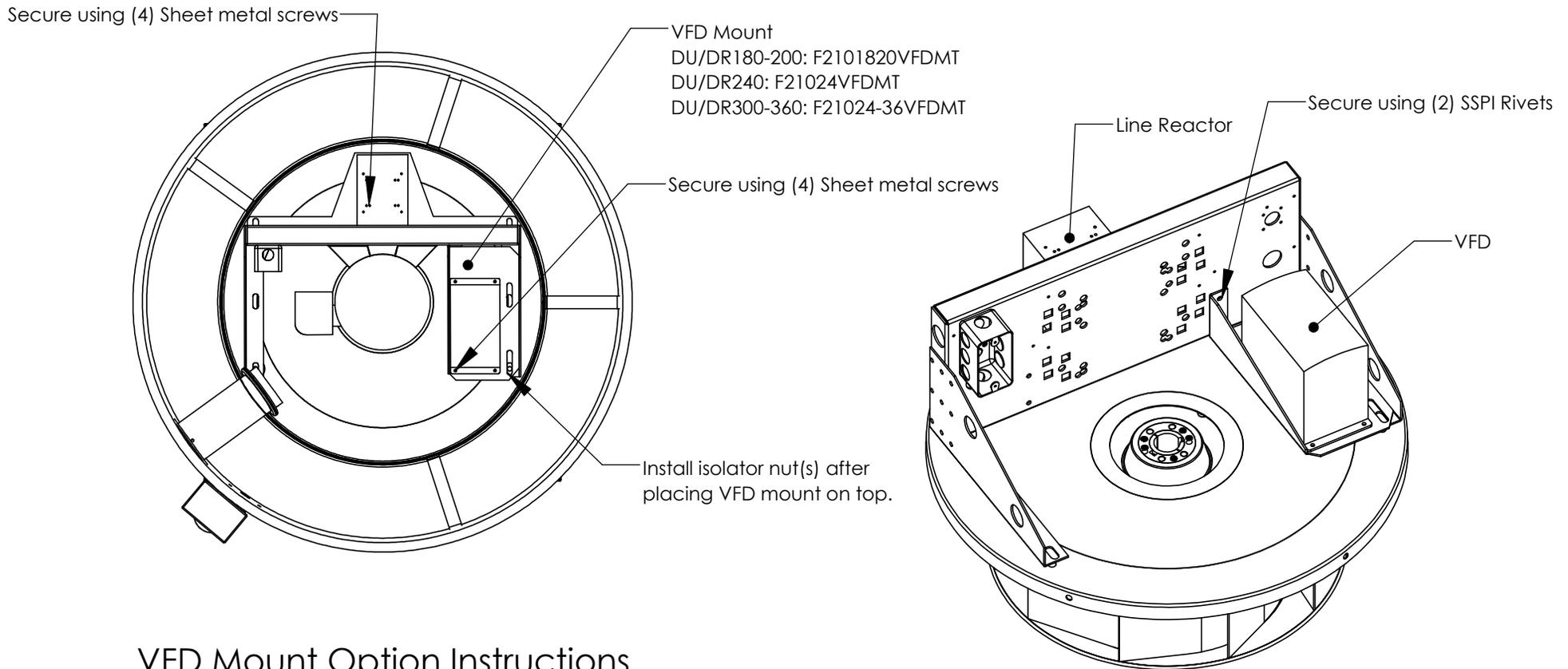
\*\* One Motor per configuration

### Direct Drive - Motor - Part Information.

Item #	Description Of Parts	DU10	#	DU12	#	DU25	#	DU30	#	DU33	#	DU50	#	DU75	#	DU85	#	
1	Motor Single Phase	8550	1	8550A	1	6312R	1	6245R	1	6310R	1	6311R	1	6241R	1	6251R2	1	
2	Speed Control	KBWC-16K	1	KBWC-110K	1	KBWC-115K	1	KBWC-115K	1									
3	Wire Harness	810040E	1	810040E	1	810040D	1	810040D	1	810040D	1	810040D	1	810040D	1	810040D	1	
4	Motor Three Phase (VFD Only)	N/A									6315	1	6317	1	N/A		6319R	1

Item #	Description Of Parts	DU180	#	DU200	#	DU240	#	DU300	#	DU360
5	Motor Three Phase (VFD Only)**	00318OS3EF56Z	1	00318OS3EF56Z	1	DTP0054	1	DTP7/54	1	DTP7/54
		DS0034		DS0034		GP7/54		GP7/54		
		DTP0034		DTP0034		DTP0104		DTP0104		
		GP0034		GP0034		GP0104		GP0104		
6	Disconnect Switch	HBL13R92DM1	1	HBL13R92DM1	1	HBL13R92DM1	1	HBL13R92DM1/ HBL16R93D	1	HBL13R92DM1/ HBL16R93D

# Up Blast - VFD Mount Option



## VFD Mount Option Instructions

1. Place VFD Plate onto bottom flange of the right side motor plate support (Remove isolator nuts if installed).
2. Use (2) SSPI Rivets to secure the VFD plate to the motor plate.
3. Install the isolator nut(s) onto the isolator(s).
4. Place VFD onto the VFD plate aligning the holes in the VFD with the .130" holes in the VFD plate.
5. Install (4) self tapping sheet metal screws.
6. Place line reactor onto motor plate F20900XXDD or F20900XXSUPDD and secure using (4) self tapping sheet metal screws.
7. Wire from disconnect to line reactor using liquid tight conduit. Terminate the conduit in the left of the motor plate using a conduit connector.
8. Run conduit from the line reactor through the motor plate to the VFD using conduit connectors on both ends.
9. Run conduit from the VFD to the motor using conduit connectors on both ends.

# Up Blast - Wind Band Extension

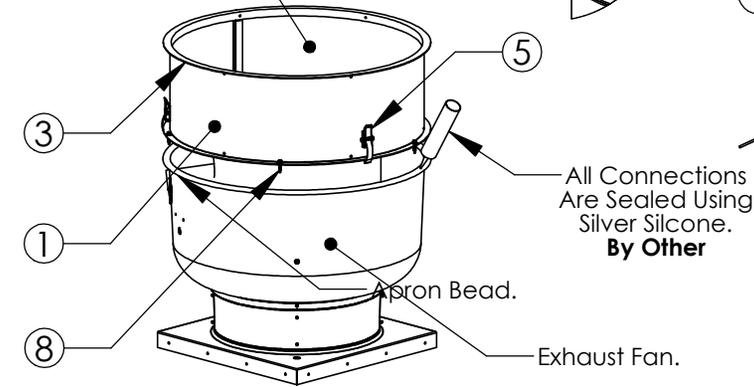
**EYE BOLT PART NUMBERS:  
INCLUDE EYE BOLTS, NUTS, WASHERS**

**EYEBOLTS-3  
EYEBOLTS-4  
EYEBOLTS-5  
EYEBOLTS-7**

Eye Bolts Are Ordered As Needed  
Or By Other.  
PN#9489T170 / AX#A0017709

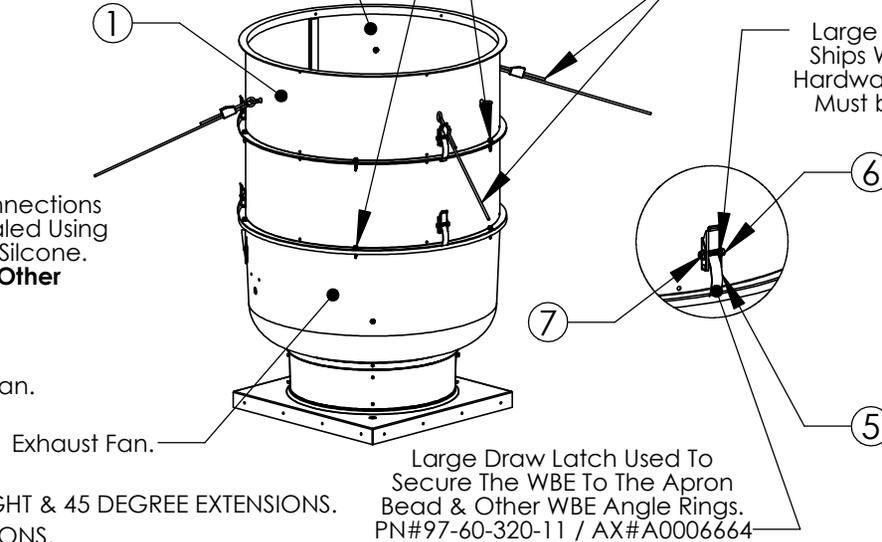
When Multiple Extensions  
Are Used Eye Bolts & Guy Lines  
Are Recommended.  
**Guy Lines By Other**

Single Stack WBE.



Secure The WBE  
Angle Ring To The  
Fan Apron Using  
Self Drilling Screws.  
PN#800023B / AX#A0005676

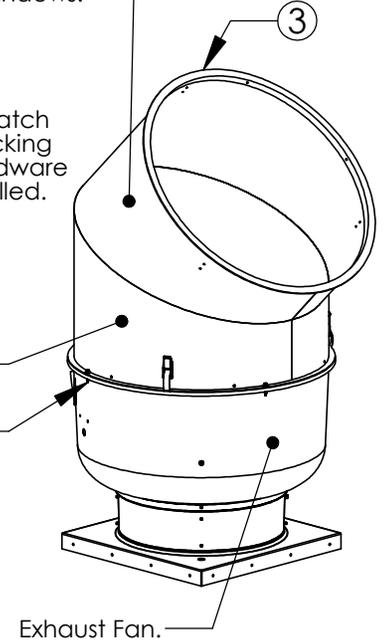
Double Stack WBE.



45 Elbow WBE  
Used To Direct  
Discharge Away  
From Intakes & Windows.

Guy Lines.

Large Draw Latch  
Ships With Locking  
Hardware. Hardware  
Must be Installed.



Exhaust Fan.

**NOTES:**

- SEE BOLD TEXT FOR ASSEMBLY PART NUMBERS STRAIGHT & 45 DEGREE EXTENSIONS.
- SEE FAN MODEL NUMBERS WHEN SELECTING EXTENSIONS.

Item #	Description Of Part	DU12HFA		BDU11, 11HP, NCA8, 8HP, DU30, DU33		BDU13, 13HP, NCA10, 10HP, DU50		BDU15, 15HP, NCA14, 14HP, DU85	
		WBE-10-36	#	WBE-11-36 / WBE-11-45-DEGREE	#	WBE-13-36 / WBE-13-45-DEGREE	#	WBE-15-36 / WBE-15-45-DEGREE	#
1	Windband Extension - 36" Tall	F2161012WBE-36-S (A0025344)	1	F2161011WBE-36-S (A0025373)	1	F2161013WBE-36-S (A0025346)	1	F2161015WBE-36-S (A0025348)	1
2	45 Degree Extension	N/A		F2161011WBE-45-S (A0029255)	1	F2161013WBE-45-S (A0029015)	1	F2161015WBE-45-S (A0029013)	1
3	Angle Ring	F2370012 (A0004889)	2	F2370011 (A0004885)	2	F2370013 (A0004886)	2	F2370015 (A0004887)	2
4	3/16" Rivet (Not Shown)	SB6-4-RIVET (A0017041)	21	SB6-4-RIVET (A0017041)	21	SB6-4-RIVET (A0017041)	21	SB6-4-RIVET (A0017041)	21
5	Large Draw Latch	97-60-320-11 (A0006664)	3	97-60-320-11 (A0006664)	3	97-60-320-11 (A0006664)	3	97-60-320-11 (A0006664)	3
6	Bolt Whiz 3/8"-16 x 1 1/2" Grade 5	92323A558 (A0005703)	3	92323A558 (A0005703)	3	92323A558 (A0005703)	3	92323A558 (A0005703)	3
7	Nut Whiz 3/8"-16 Grade 5	99904A103 (A0005688)	3	99904A103 (A0005688)	3	99904A103 (A0005688)	3	99904A103 (A0005688)	3
8	Self Drilling Screws 1/4"-14 x 1 1/4"	800023B (A0005676)	10	800023B (A0005676)	10	800023B (A0005676)	10	800023B (A0005676)	10
Item #	Description Of Part	BDU18/20, 18/20HP, NCA16/18, 16/18HP, DU180/200		BDU24, 24HP, NCA24, 24HP, DU240		BDU30, 30HP, NCA30, 30HP, DU300		BDU36, 36HP, NCA36, 36HP, DU360	
		WBE-18/20-24 / WBE-18/20-45-DEGREE	#	WBE-24-24 / WBE-24-45-DEGREE	#	WBE-30-24 / WBE-30-45-DEGREE	#	WBE-36-24 / WBE-36-45-DEGREE	#
1	Windband Extension - 24" Tall	F2161020WBE-S (A0025351)	1	F2161024WBE-S (A0025352)	1	F2161030WBE-S (A0025353)	1	F2161036WBE-S (A0025354)	2
2	45 Degree Extension	F216101820WBE-45-S (A0028156)	1	F2161024WBE-45-S (A0029016)	1	F2161030WBE-45-S (A0029256)	1	F2161036WBE-45-S (A0029257)	1
3	Angle Ring	F2370020 (A0004711)	2	F2370024 (A0004714)	2	F2370030 (A0004734)	2	F2370036 (A0004917)	2
4	3/16" Rivet (Not Shown)	SB6-4-RIVET (A0017041)	25	SB6-4-RIVET (A0017041)	25	SB6-4-RIVET (A0017041)	26	SB6-4-RIVET (A0017041)	42
5	Large Draw Latch	97-60-320-11 (A0006664)	4	97-60-320-11 (A0006664)	4	97-60-320-11 (A0006664)	4	97-60-320-11 (A0006664)	5
6	Bolt Whiz 3/8"-16 x 1 1/2" Grade 5	92323A558 (A0005703)	4	92323A558 (A0005703)	4	92323A558 (A0005703)	4	92323A558 (A0005703)	5
7	Nut Whiz 3/8"-16 Grade 5	99904A103 (A0005688)	4	99904A103 (A0005688)	4	99904A103 (A0005688)	4	99904A103 (A0005688)	5
8	Self Drilling Screws 1/4"-14 x 1 1/4"	800023B (A0005676)	10	800023B (A0005676)	10	800023B (A0005676)	10	800023B (A0005676)	10