

PROP FAN
EXPLODED
VIEWS
10/12/2017

Direct Drive Power Pack

20 thru 72

Direct Drive Power Pack (Intake Side of Panel) - Part Information

Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	Motor Plate	PP2024MTRPLTA-DD	1	PP3036MTRPLTA-DD	1	PP4248MTRPLTA-DD	1	PP5460MTRPLTA-DD	1	PP72MTRPLTA-DD	1
2	Center Motor Plate	PP2024MTRSUPPLTA-DD	1	PP3036MTRSUPPLTA-DD	1	PP4248MTRSUPPLTA-DD	1	PP5460MTRSUPPLTA-DD	2	PP72MTRSUPPLTA-DD	2
3	Left Motor Support	PP2024MTRSUPLT-DD	1	PP3036MTRSUPLT-DD	1	PP4248MTRSUPLT-DD	1	PP546072MTRSUPLT-DD	1	PP546072MTRSUPLT-DD	1
4	Right Motor Support	PP2024MTRSUPRT-DD	1	PP3036MTRSUPRT-DD	1	PP4248MTRSUPRT-DD	1	PP546072MTRSUPRT-DD	1	PP546072MTRSUPRT-DD	1
5	Center Motor Support	PP2024MTRSUPCEN-DD	1	PP3036MTRSUPCEN-DD	1	PP4248MTRSUPCEN-DD	1	PP546072MTRSUPCEN-DD	1	PP546072MTRSUPCEN-DD	1
6	Center Motor Support Bracket	N/A		N/A		N/A		PP546072MTRBASESUP	1	PP546072MTRBASESUP	1
7	Motor Plate Support Bracket	PPMTRSUPBRKT	2	PPMTRSUPBRKT	2	PPMTRSUPBRKT	2	PP5460MTRSUPBRKT	2	PP72MTRSUPBRKT	2
8	Motor Installation Support	N/A		N/A		PPMTRSUPDD	1	PPMTRSUPDD	1	PPMTRSUPDD	1

Direct Drive Power Pack (Intake Side of Panel) - Part Information

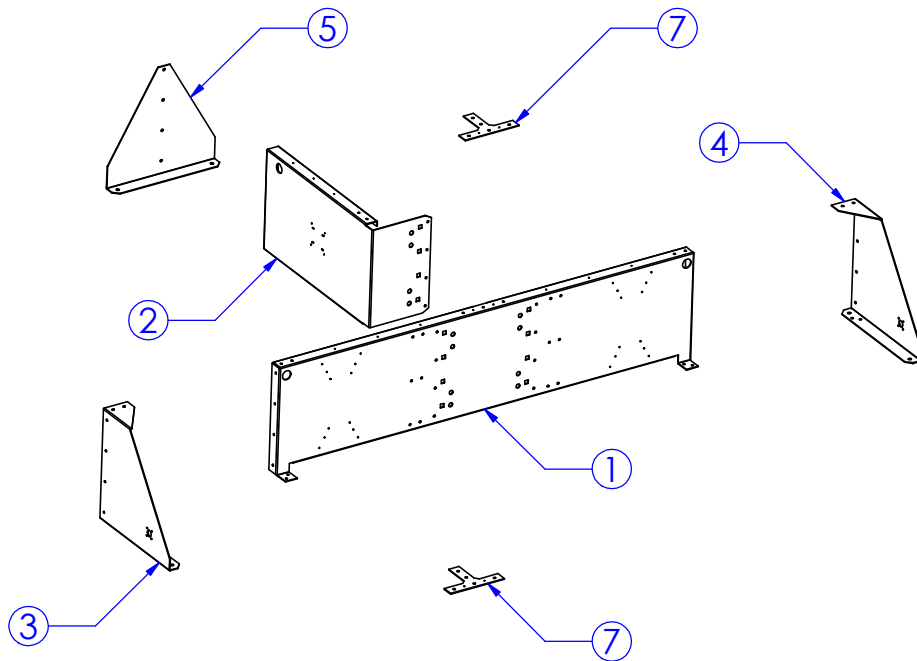
Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	Motor Plate	PP2024MTRPLTB	1	PP3036MTRPLTB	1	PP4248MTRPLTB	1	PP5460MTRPLTB	1	PP72MTRPLTB	1
2	Center Motor Plate	PP2024MTRSUPPLTB	1	PP3036MTRSUPPLTB	1	PP4248MTRSUPPLTB	1	PP5460MTRSUPPLTB1	1	PP72MTRSUPPLTB1	1
								PP5460MTRSUPPLTB2	1	PP72MTRSUPPLTB2	1
3	Left Motor Support	PP2024MTRSUPLT	1	PP3036MTRSUPLT	1	PP4248MTRSUPLT	1	PP546072MTRSUPLT	1	PP546072MTRSUPLT	1
4	Right Motor Support	PP2024MTRSUPRT	1	PP3036MTRSUPRT	1	PP4248MTRSUPRT	1	PP546072MTRSUPRT	1	PP546072MTRSUPRT	1
5	Center Motor Support	PP2024MTRSUPCEN	1	PP3036MTRSUPCEN	1	PP4248MTRSUPCEN	1	PP546072MTRSUPCEN	1	PP546072MTRSUPCEN	1
6	Center Motor Support Bracket	PP2024MTRBASESUP	1	PP3036MTRBASESUP	1	PP4248MTRBASESUP	1	PP546072MTRBASESUP	1	PP546072MTRBASESUP	1
7	Motor Plate Support Bracket	PPMTRSUPBRKT	2	PPMTRSUPBRKT	2	PPMTRSUPBRKT	2	PP5460MTRSUPBRKT	2	PP72MTRSUPBRKT	2
8	Motor Installation Support	N/A		N/A		PPMTRSUPDD	1	PPMTRSUPDD	1	PPMTRSUPDD	1

Direct Drive Power Pack

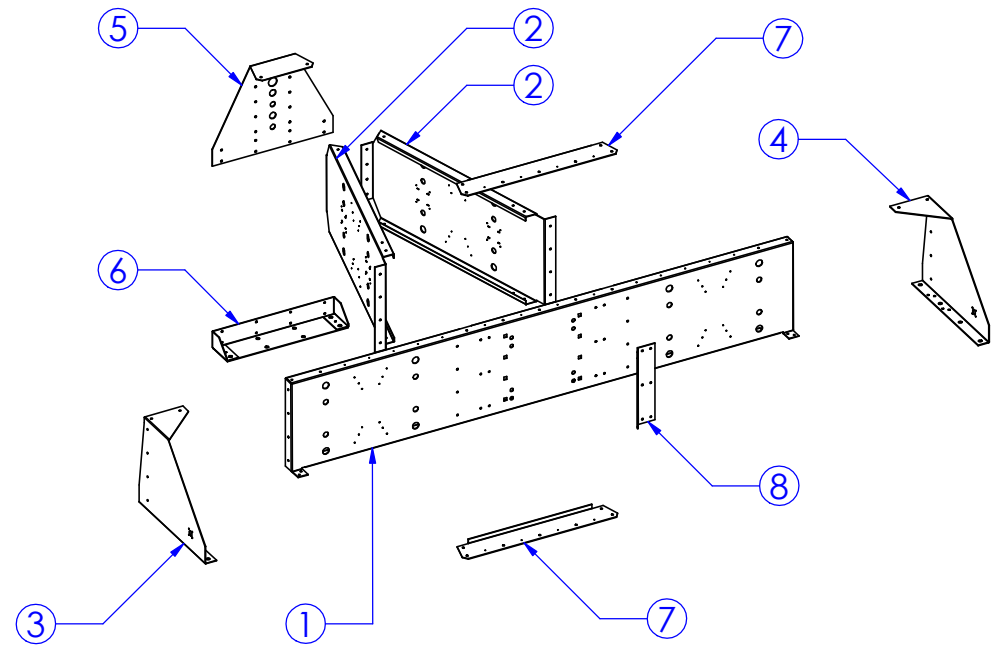
Intake Side of Panel

Direct Drive Power Pack (Intake Side of Panel) - Rivet Count									
20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
SSPI-08-06-RIVET	36	SSPI-08-06-RIVET	36	SSPI-08-06-RIVET	46	SSPI-08-06-RIVET	76	SSPI-08-06-RIVET	76

NOTE: ALL POWER PACKS ASSEMBLED USING ONLY SSPI RIVETS, AX# A0022589



20 thru 48



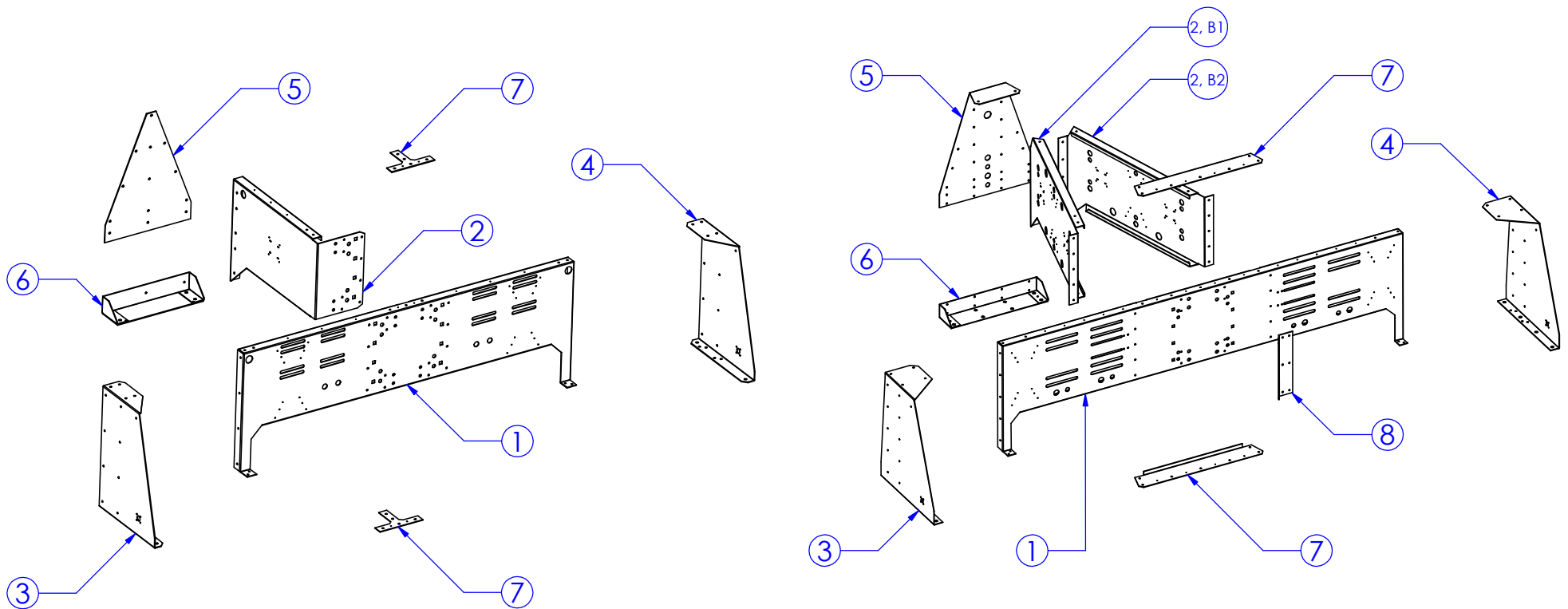
54 thru 72

Direct Drive Power Pack

Discharge Side of Panel

Direct Drive Power Pack (Discharge Side of Panel) - Rivet Count									
20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
SSPI-08-06-RIVET	40	SSPI-08-06-RIVET	40	SSPI-08-06-RIVET	52	SSPI-08-06-RIVET	76	SSPI-08-06-RIVET	76

NOTE: ALL POWER PACKS ASSEMBLED USING ONLY SSPI RIVETS, AX# A0022589



20 thru 48

54 thru 72

Propeller Information

WPD-20 thru 72

Propeller - Part Information								
Item #	Part #	AX #	Diameter (in.)	# of Blades	Material	Bushing Type	Max RPM	Used On
1	MS-20-12 HD	A0028719	20	4	Galv. Steel	H1	2095	WPD-20-MS
2	MS-24-9.5 XHD	A0028720	24	4	Galv. Steel	H1	2050	WPD-24-MS
3	S-30-8 XHD	A0028830	30	4	Galv. Steel	H1	1350	WPD-30-S
4	S-36-9.5 XHD	A0028831	36	4	Galv. Steel	P1	1015	WPD-36-S
5	S-42-10 XHD	A0028832	42	4	Galv. Steel	P1	890	WPD-42-S
6	S-48-8.5 XHD	A0028833	48	4	Galv. Steel	P1	830	WPD-48-S
7	X-30-10.5 HD	A0028721	30	4	Galv. Steel	H1	1655	WPD-30-X
8	X-36-7 XHD	A0028722	36	4	Galv. Steel	P1	1230	WPD-36-X
9	X-42-11 HD	A0028723	42	4	Galv. Steel	P1	985	WPD-42-X
10	X-48-7 XHD	A0028724	48	4	Galv. Steel	P1	1250	WPD-48-X
11	X-54-8 HD	A0028725	54	4	Galv. Steel	Q1	900	WPD-54-X
12	X-60-7 XHD	A0028726	60	4	Galv. Steel	Q1	910	WPD-60-X
13	X-72-7 HD	A0028727	72	4	Galv. Steel	Q1	690	WPD-72-X
14	U2-3018-4-24 REG	A0028861	24	4	Aluminum	H1	2100	WPD-24-A
15	U2-3018-4-30 REG	A0028862	30	4	Aluminum	H1	1800	WPD-30-A
16	U2-3018-4-36 REG	A0028863	36	4	Aluminum	P1	1800	WPD-36-A
17	U2-3018-4-42 REG	A0028864	42	4	Aluminum	P1	1800	WPD-42-A
18	33B-4-48L	A0028865	48	4	Aluminum	P1	1200	WPD-48-A
19	33B-4-54C	A0028866	54	4	Aluminum	P1	1000	WPD-54-A
20	33B-4-60L	A0028867	60	4	Aluminum	Q1	900	WPD-60-A
21	33B-4-72L	A0028868	72	4	Aluminum	Q1	700	WPD-72-A

Bushing - Part Information					
Item #	Part #	Shaft Diameter (in.)	Set Screw Torque (in./lb.)	Bolt Torque (in./lb.)	AX #
1	H-5/8	5/8	17	95	A0028782
2	H-7/8	7/8	17	95	A0028783
3	H-1-1/8	1-1/8	17	95	A0028784
4	P1-1-1/8	1-1/8	65	192	A0028785
5	P1-1-3/85/16	1-3/8	65	192	A0028786
6	P1-1-5/8	1-5/8	65	192	A0028834
7	Q1-1-3/8KW5/16	1-3/8	115	348	A0028787
8	Q1-1-5/8	1-5/8	115	348	A0028788
9	Q1-1-7/8	1-7/8	115	348	A0028789

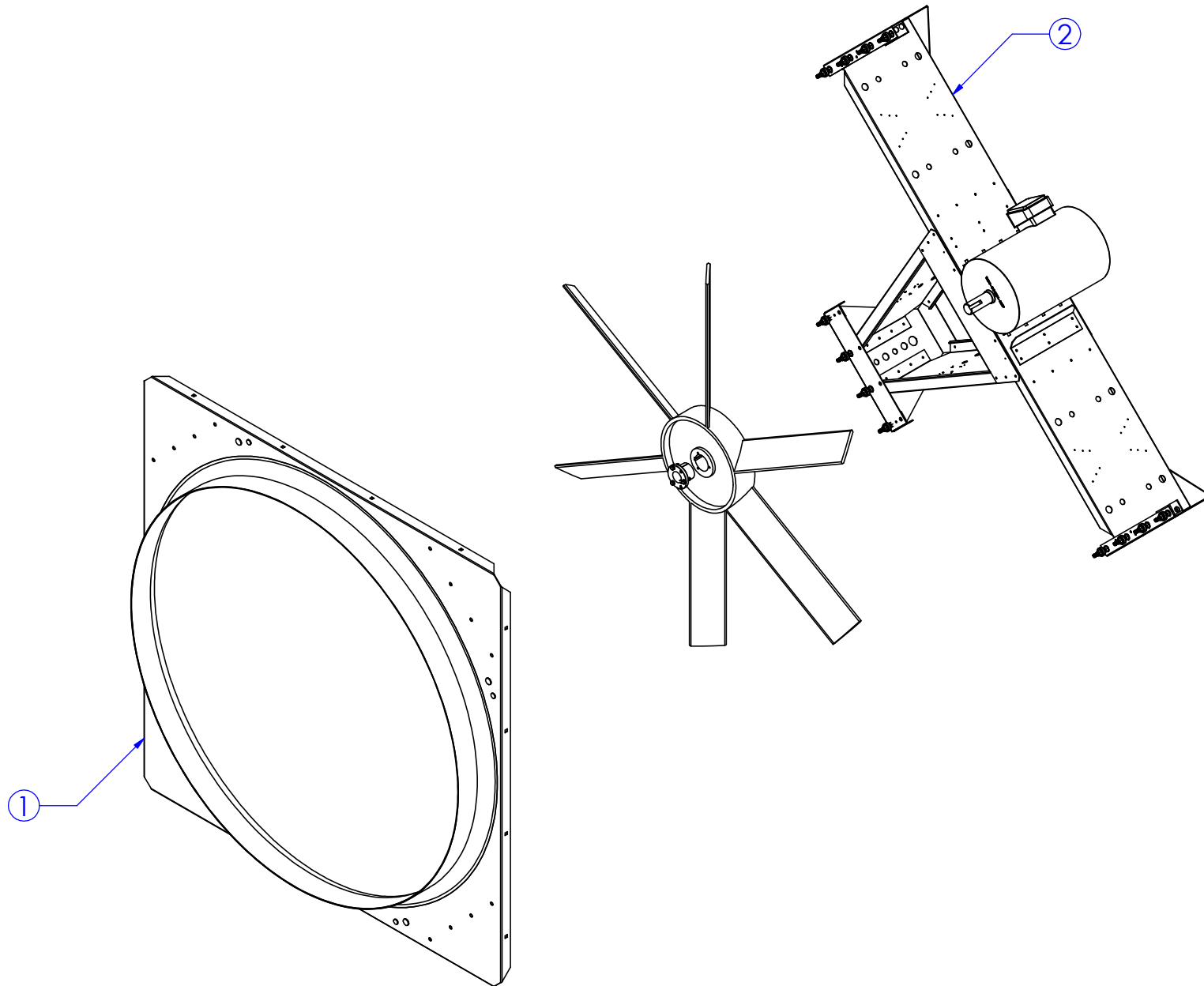
Direct Drive Wall-Mount

WPD-20 thru 72

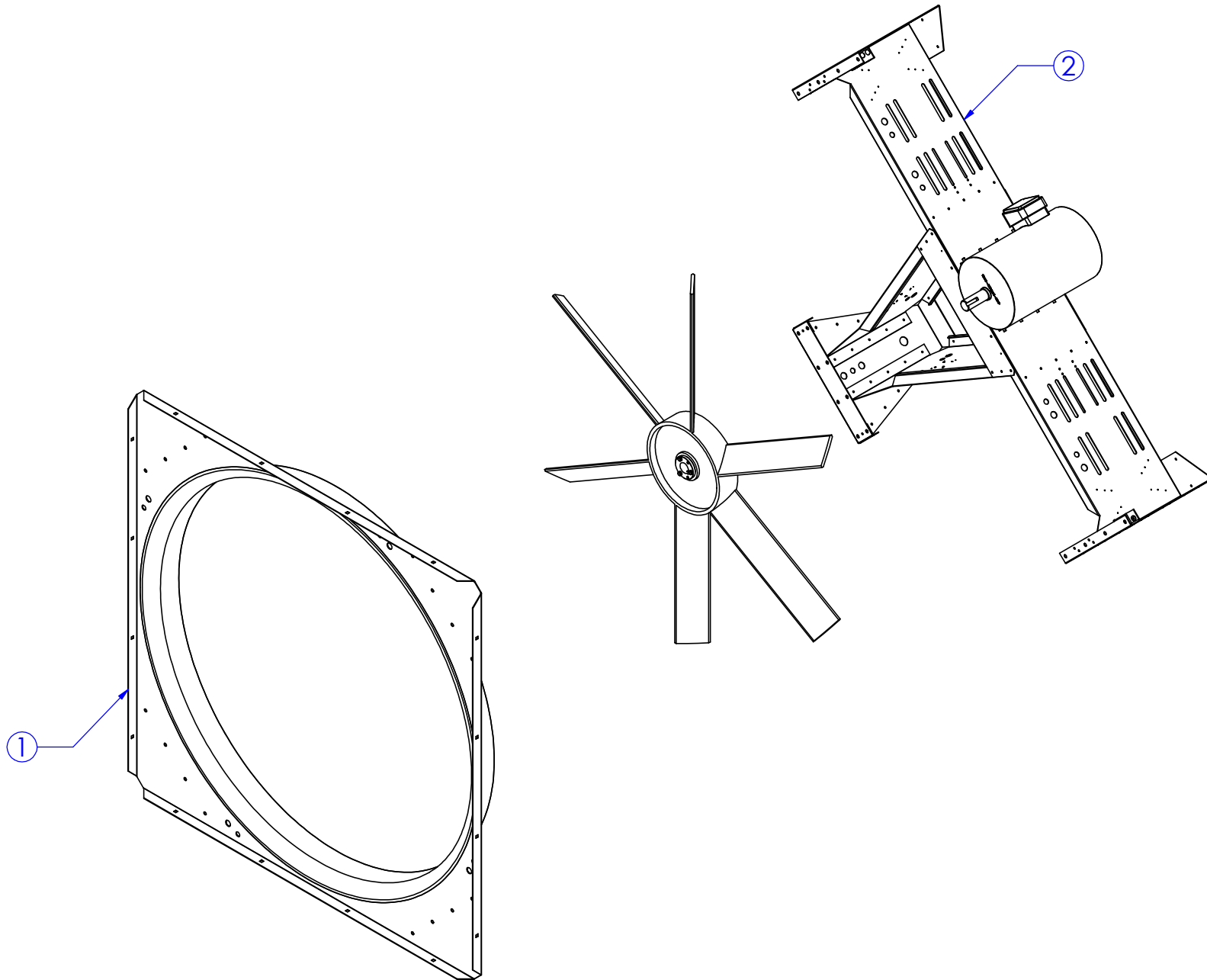
Direct Drive Wall-Mount (Intake side of Panel) - Part Information											
Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	Inlet Panel	WPDB20PANEL / WPDB24PANEL	1	WPDB30PANEL / WPDB36PANEL	1	WPDB42PANEL / WPDB48PANEL	1	WPDB54PANEL / WPDB60PANEL	1	WPDB72PANEL	1
2	Power Pack	PP2024-INTAKE-DD	1	PP3036-INTAKE-DD	1	PP4248-INTAKE-DD	1	PP5460-INTAKE-DD	1	PP72-INTAKE-DD	1

Direct Drive Wall-Mount (Discharge Side of Panel) - Part Information											
Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	Inlet Panel	WPDB20PANEL / WPDB24PANEL	1	WPDB30PANEL / WPDB36PANEL	1	WPDB42PANEL / WPDB48PANEL	1	WPDB54PANEL / WPDB60PANEL	1	WPDB72PANEL	1
2	Power Pack	PP2024-DISCHARGE	1	PP3036-DISCHARGE	1	PP4248-DISCHARGE	1	PP5460-DISCHARGE	1	PP72-DISCHARGE	1

Direct Drive Wall-Mount WPD-20 thru 72 Exhaust



Direct Drive Wall-Mount WPD-20 thru 72 Supply



Direct Drive Wall-Mount Options

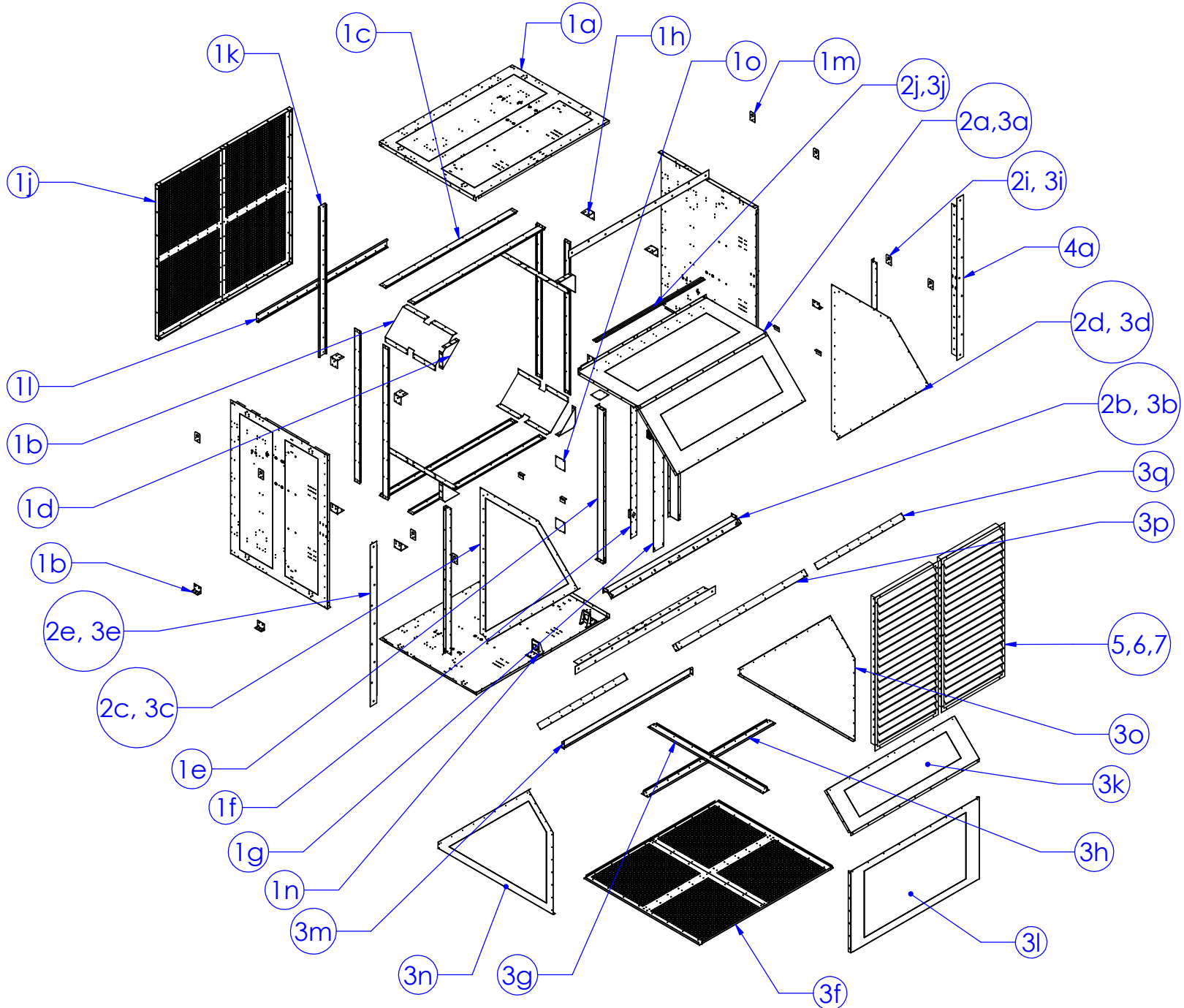
WPD-20 thru 72

Direct Drive Wall-Mount Options - Part Information

Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	Wall Box Assembly	WP2024WBOX	1	WP3036WBOX	1	WP4248WBOX	1	WP5460WBOX	1	WP72WBOX	1
a	Wall Housing	WP2024WH	2	WP3036WH	2	WP4248WH	4	WP5460WH	4	WP72WH	4
b	Wall Housing Gusset A	N/A		N/A		N/A		WP546072WHGUSA	4	WP546072WHGUSA	4
c	Wall Housing Gusset B	N/A		N/A		N/A		WP5460WHGUSB	8	WP72WHGUSB	8
d	Wall Housing Gusset C	WPPROPGUSSM	4	WPPROPGUSSM	4	WPPROPGUSSM	4	WPPROPGUSLG	4	WPPROPGUSLG	4
e	Damper Support A	N/A		N/A		N/A		WP5460DAMPSUPA	2	WP72DAMPSUPA	2
f	Damper Support B	N/A		N/A		N/A		WP5460DAMPSUPB	1	WP72DAMPSUPB	1
g	Damper Support C	N/A		N/A		N/A		WP5460DAMPSUPC	1	WP72DAMPSUPC	1
h	Support Bracket A	WPSUPBRKA	8	WPSUPBRKA	8	WPSUPBRKA	8	WPSUPBRKA	8	WPSUPBRKA	8
i	Support Bracket B	WPSUPBRKB	4	WPSUPBRKB	4	WPSUPBRKB	4	WPSUPBRKB	4	WPSUPBRKB	4
j	Screen	WP2024RGSCREENCOV	1	WP3036RGSCREENCOV	1	WP4248RGSCREENCOV	1	WP5460RGSCREENCOV	2	WP72RGSCREENCOV	2
k	Screen Support A	N/A		WP3036RSCSUP	1	WP4248RSCSUP	1	WP5460RSCSUPA	1	WP72RSCSUPA	1
l	Screen Support B	N/A		N/A		N/A		WP5460RSCSUPB	2	WP72RSCSUPB	2
m	Lifting Lug	MLIFTL	4	MLIFTL	4	MLIFTL	4	MLIFTL	4	MLIFTL	4
n	Motorized Damper Bracket	WPDAMPBRKT	1	WPDAMPBRKT	1	WPDAMPBRKT	1	WPDAMPBRKT	2	WPDAMPBRKT	2
o	Damper Bracket Blank	WPDAMPBLNK	1	WPDAMPBLNK	1	WPDAMPBLNK	3	WPDAMPBLNK	6	WPDAMPBLNK	6
2	Exhaust Weatherhood with Screen	WP2024WHA	1	WP3036WHA	1	WP4248WHA	1	WP5460WHA	1	WP72WHA	1
a	Weatherhood Top	WP2024WHT	1	WP3036WHT	1	WP4248WHT	1	WP5460WHTA	1	WP72WHTA	1
								WP5460WHTB	1	WP72WHTB	1
b	Weatherhood Bottom	WP2024WHB	1	WP3036WHB	1	WP4248WHB	1	WP5460WHB	1	WP72WHB	1
c	Weatherhood Side - Left	WP2024WHSL	1	WP3036WHSL	1	WP4248WHSL	1	WP5460WHSL	1	WP72WHSL	1
d	Weatherhood Side - Right	WP2024WHSR	1	WP3036WHSR	1	WP4248WHSR	1	WP5460WHSR	1	WP72WHSR	1
e	Weatherhood Side Flange	N/A		N/A		N/A		N/A		WP72WHSF	2
f	Screen	WP2024FGSCREENCOV	1	WP3036FGSCREENCOV	1	WP4248FGSCREENCOV	1	WP5460FGSCREENCOV	2	WP72FGSCREENCOV	2
g	Screen Support A	N/A		WP3036FSCSUP	1	WP4248FSCSUP	1	WP5460FSCSUPA	1	WP72FSCSUPA	1
h	Screen Support B	N/A		N/A		N/A		WP5460FSCSUPB	2	WP72FSCSUPB	2
i	Lifting Lug	MLIFTL	2	MLIFTL	2	MLIFTL	4	MLIFTL	4	MLIFTL	4
j	Weatherhood Hat Channel	N/A		N/A		N/A		WP546072WHHC	1	WP546072WHHC	1
3	Supply Weatherhood with Screen	WP2024WHAS	1	WP3036WHAS	1	WP4248WHAS	1	WP5460WHAS	1	WP72WHAS	1
a	Weatherhood Top	WP2024WHT	1	WP3036WHT	1	WP4248WHT	1	WP5460WHTA	1	WP72WHTA	1
								WP5460WHTB	1	WP72WHTB	1
b	Weatherhood Bottom	WP2024WHB	1	WP3036WHB	1	WP4248WHB	1	WP5460WHB	1	WP72WHB	1
c	Weatherhood Side - Left	WP2024WHSL	1	WP3036WHSL	1	WP4248WHSL	1	WP5460WHSL	1	WP72WHSL	1
d	Weatherhood Side - Right	WP2024WHSR	1	WP3036WHSR	1	WP4248WHSR	1	WP5460WHSR	1	WP72WHSR	1
e	Weatherhood Side Flange	N/A		N/A		N/A		N/A		WP72WHSF	2
f	Screen	WP2024SUPSCREENCOV	1	WP3036SUPSCREENCOV	1	WP4248SUPSCREENCOV	1	WP5460SUPSCREENCOV	2	WP72SUPSCREENCOV	2
g	Screen Support A	N/A		WP3036SSCSUP	1	WP4248SSCSUP	1	WP5460SSCSUPA	1	WP72SSCSUPA	1
h	Screen Support B	N/A		N/A		N/A		WP5460FSCSUPB	2	WP72FSCSUPB	2
i	Lifting Lug	MLIFTL	2	MLIFTL	4	MLIFTL	4	MLIFTL	4	MLIFTL	4
j	Weatherhood Hat Channel	N/A		N/A		N/A		WP546072WHHC	1	WP546072WHHC	1
k	Weatherhood Supply Top A	WP2024WHTS	1	WP3036WHTS	1	WP4248WHTS	1	WP5460WHTS	1	WP72WHTAS	1
l	Weatherhood Supply Top B	N/A		N/A		N/A		N/A		WP72WHTBS	1
m	Weatherhood Supply Bottom	WP2024WHBS	1	WP3036WHBS	1	WP4248WHBS	1	WP5460WHBS	1	WP72WHBS	1
n	Weatherhood Supply Side - Left	WP2024WHLSL	1	WP3036WHLSL	1	WP4248WHLSL	1	WP5460WHLSL	1	WP72WHLSL	1
o	Weatherhood Supply Side - Right	WP2024WHSRS	1	WP3036WHSRS	1	WP4248WHSRS	1	WP5460WHSRS	1	WP72WHSRS	1
p	Weatherhood Supply Top Conn.	WP2024WHTC	1	WP3036WHTC	1	WP4248WHTC	1	WP5460WHTC	1	WP72WHTC	1
q	Weatherhood Supply Side Conn.	WP2024WHSC	2	WP3036WHSC	2	WP4248WHSC	2	WP5460WHSC	2	WP72WHSC	2
4	Wall Collars	WP2024WC-8	1	WP3036WC-8	1	WP4248WC-8	1	WP5460WC-8	1	WP72WC-8	1
a	Wall Collar	WP2024WC	8	WP3036WC	8	WP4248WC	8	WP5460WC	8	WP72WC	8
5	Gravity Backdraft Damper	WPD2024-BDD	1	WPD3036-BDD	1	WPD4248-BDD	1	N/A	N/A	N/A	N/A
a	Gravity Damper	EASR-MF 29"x29" (A0028988)	1	EASR-MF 41"x41" (A0028989)	1	EASR-MF 53"x53" (A0028990)	1	N/A		N/A	
6	Motorized Backdraft Damper	WPD2024-BDDM	1	WPD3036-BDDM	1	WPD4248-BDDM	1	WPD5460-BDDM	1	WPD72-BDDM	1
a	Motorized Damper	AD 29"x29" (A0028991)	1	AD 41"x41" (A0028992)	1	AD 53"x53" (A0028993)	1	AD 29.25"W x 65.25"H (A0028994)	2	AD 35.125"W x 77.25"H (A0028995)	2
7	Motorized Louver Damper	WPD2024-MLD	1	WPD3036-MLD	1	WPD4248-MLD	1	WPD5460-MLD	1	WPD72-MLD	1
a	Motorized Louver Damper	ACL-F 29.5"x29.5" (A0028996)	1	ACL-F 41.5"x41.5" (A0028997)	1	ACL-F 53.625"x53.625" (A0028998)	1	ACL-F 29.25"x62.25" (A0028999)	2	ACL-F 35.125"x77.25" (A0029000)	2

Direct Drive Wall-Mount Options

WPD-20 thru 72



Direct Drive Wall-Mount Hardware

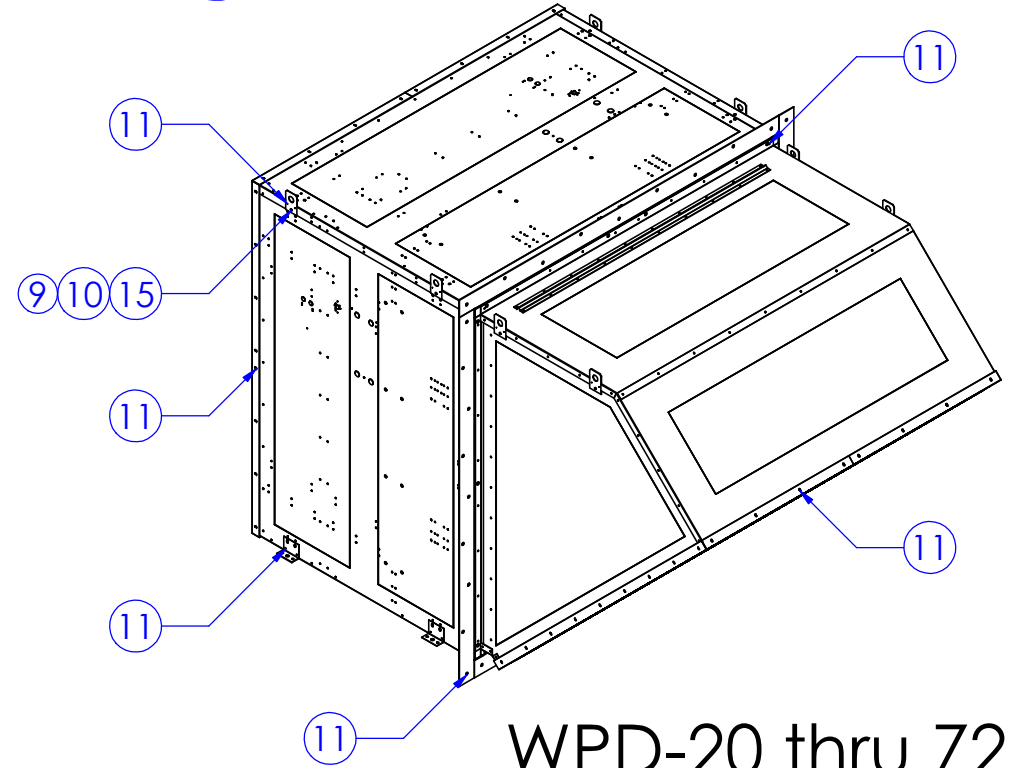
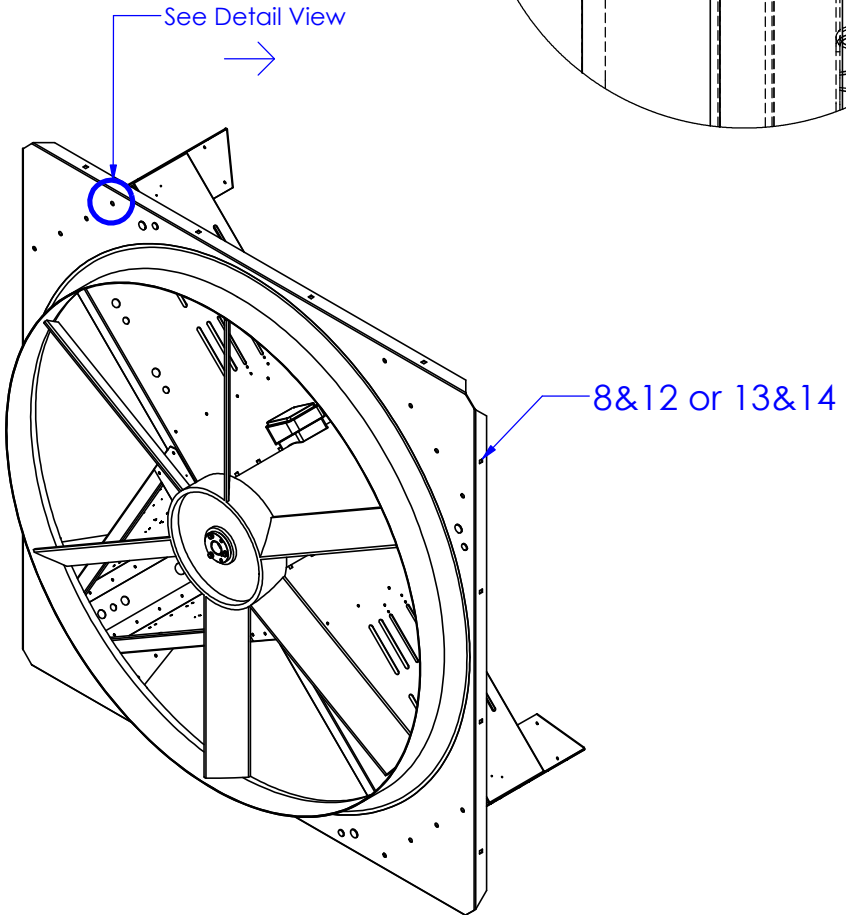
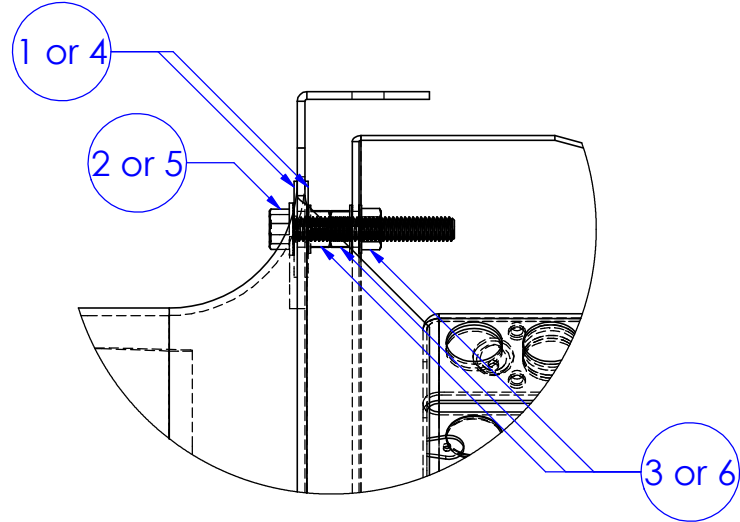
WPD-20 thru 72

Direct Drive Wall-Mount - Hardware Information											
Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
1	3/8" Oversized Steel Washer 1-1/2" OD	91090A115	12	91090A115	12	91090A115	12	N/A		N/A	
2	3/8-16 X 2-1/2" Serrated Flange Cap Screw	92323A564	6	92323A564	6	92323A564	6	N/A		N/A	
3	3/8"-16 Serrated Flange Locknut	99904A103	24	99904A103	24	99904A103	24	N/A		N/A	
4	1/2" Oversized Steel Washer 1-1/2" OD	N/A		N/A		N/A		91090A114	24	91090A114	24
5	1/2-13 X 3-1/2" Serrated Flange Cap Screw	N/A		N/A		N/A		118235.0800	12	118235.0800	12
6	1/2"-13 Serrated Flange Locknut	N/A		N/A		N/A		99904A104	36	99904A104	36

Direct Drive Wall-Mount with Options - Hardware Information											
Item #	Description of Parts	20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
7	1/4-20" Cage Nut (20 GA)	N/A		11626-03224	8	11626-03224	8	11626-03224	16	11626-03224	16
8	1/4-20 X 3/4" Whiz Bolt	800044	16	800044	24	800044	24	800044	16	800044	16
9	3/8-16" Serrated Flange Locknut	99904A103	4	99904A103	4	99904A103	4	99904A103	4	99904A103	4
10	3/8-16 X 1-1/2" Whiz Bolt	800043	4	800043	4	800043	4	800043	4	800043	4
11	1/4-14 X 1" Self Drilling Screw	90064A620	40	90064A620	48	90064A620	56	90064A620	64	90064A620	96
12	1/4-20" Cage Nut (12 GA)	11626-03227	16	11626-03227	16	11626-03227	16	N/A		N/A	
13	5/16-18" Cage Nut (12 GA)	N/A		N/A		N/A		11626-01734	16	11626-01734	16
14	5/16-18 X 1" Whiz Bolt	N/A		N/A		N/A		A0015331	16	A0015331	16
15	MCON Washer	MCONWAS	4	MCONWAS	4	MCONWAS	4	MCONWAS	4	MCONWAS	4

Direct Drive Wall-Mount - Rivet Count									
20 / 24	#	30 / 36	#	42 / 48	#	54 / 60	#	72	#
Wall Box Option									
SB6-4-RIVET	10	SB6-4-RIVET	24	SB6-4-RIVET	58	SB6-4-RIVET	32	SB6-4-RIVET	32
SSPI-08-06-RIVET	40	SSPI-08-06-RIVET	40	SSPI-08-06-RIVET	40	SSPI-08-06-RIVET	48	SSPI-08-06-RIVET	48
Exhaust Weatherhood Option									
SB6-4-RIVET	20	SB6-4-RIVET	38	SB6-4-RIVET	42	SB6-4-RIVET	87	SB6-4-RIVET	87
Supply Weatherhood Option									
SB6-4-RIVET	36	SB6-4-RIVET	52	SB6-4-RIVET	66	SB6-4-RIVET	115	SB6-4-RIVET	115

Direct Drive Wall-Mount Hardware



WPD-20 thru 72

WPD-20 thru 72
WITH OPTIONS