



PENN BARRY™

Shipping Weights

Wheels

Backward Inclined Wheels

WHEEL SIZE	SINGLE WIDTH				DOUBLE WIDTH			
	CL I	CL II	CL III	CL IV	CL I	CL II	CL III	CL IV
105	11	13	NA	NA	NA	NA	NA	NA
122	13	18	22	25	20	27	35	40
135	15	21	26	29	23	37	40	44
150	19	25	30	33	28	43	52	58
165	27	33	36	40	44	58	73	80
182	33	40	42	57	56	68	84	95
200	39	49	52	65	63	95	100	110
222	64	73	82	106	114	131	143	170
245	73	83	110	132	127	146	177	207
270	84	97	128	158	144	170	207	242
300	103	118	149	184	174	212	239	313
330	135	150	177	217	210	250	315	400
365	169	196	232	292	270	312	380	476
402	257	287	320	394	393	435	483	555
445	294	331	392	457	449	503	562	650
490	335	402	453	530	515	583	656	768
542	530	584	679	705	806	885	1072	1100
600	682	684	790	858	1036	1036	1240	1300
660	791	790	924	1120	1199	1225	1445	1520
730	926	996	1091	1295	2135	2270	2500	2560
807	1170	1256	1405	1527	2450	2620	2800	2900
890	1385	1488	1648	1788	2750	3000	3170	3300

NA = Not Available

Airfoil Wheels

WHEEL SIZE	SINGLE WIDTH				DOUBLE WIDTH			
	CL I	CL II	CL III	CL IV	CL I	CL II	CL III	CL IV
182	38	39	54	74	62	66	108	128
200	46	46	64	85	72	89	126	147
222	69	69	69	118	122	122	171	191
245	78	79	123	148	137	137	202	237
270	101	102	144	178	167	168	235	278
300	124	125	169	210	203	211	276	360
330	158	159	193	247	242	250	353	455
365	184	185	255	322	279	287	421	529
402	297	298	327	431	417	419	577	615
445	343	345	453	502	516	519	667	721
490	397	419	525	578	600	603	788	846
542	575	606	730	786	883	915	1160	1222
600	657	697	851	954	1008	1050	1346	1463
660	753	805	991	1233	1155	1235	1560	1701
730	939	943	1173	1473	2222	2232	2665	2892
807	1277	1283	1506	1728	2732	2744	3000	3282
890	1514	1521	1683	2031	3070	3085	3413	3742
982	1785	1793	1989	2299	3442	3458	3820	4180

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel use the standard steel weight.

Wheels

IndustraCon Wheels

FAN SIZE	OT			WT		AH		HSGS
	OT - 15	OT - 17	OTH - 15 OT - 20	WT - 15 WT - 17	WTH - 15	AH - 15	AH - 17	ALL TYPES
5 - 61	6	NA	7	NA	NA	NA	NA	30
7 - 61	9	NA	11	14	17	21	NA	37
9 - 61	18	27	30	25	30	31	33	55
11 - 61	21	35	47	32	52	52	57	102
13 - 61	47	74	*62 55	66	82	81	84	112
15 - 61	53	90	*83 77 *113	78	100	107	116	188
17 - 61	67	67 *118	91 *141	96	125	146	157	336
19 - 61	90	90 *146	122 *179	166	231	174	193	372
21 - 61	99	99 *189	133 *224	206	286	217	277	462
23 - 61	166	166 *272	358	247	342	282	334	571
26 - 61	191	191 *329	424	322	441	398	431	672
29 - 61	275	445	555	411	556	563	617	817
33 - 61	316	538	791	748	940	704	837	1224
37 - 61	745	739	1076	963	1202	955	1025	1484
41 - 61	859	852	1249	1193	1483	1251	1303	OA

* Indicates weight with reinforcing end

NA = Not Available

OA = On Application

Efficient Silent Inline (ESI) Wheels

WHEEL SIZE	CLASS I	CLASS II
150	31	31
165	38	38
182	38	49
200	52	65
222	66	78
245	81	93
270	99	114
300	140	165
330	184	212
365	239	257
402	286	324
445	371	394
490	459	488
542	NA	629
600	NA	753
660	NA	952
730	NA	1298

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.

Centrifugal Fans

VCR

FAN SIZE	CLASS ③									
	SINGLE WIDTH								DOUBLE WIDTH	
	ARR. 1	ARR. 3	ARR. 4	ARR. 7	ARR. 8	ARR. 9	SWO ARR. 9	ARR. 10	ARR. 3	ARR. 7
105	NA	NA	77	NA	NA	NA	NA	54	NA	NA
122	111	96	102	139	183	114	NA	119	143	236
135	135	117	129	170	222	139	NA	138	163	269
150	169	147	163	204	265	174	NA	157	194	304
165	222	193	214	270	347	229	NA	192	224	350
182	244	214	235	288	362	253	NA	216	255	377
200	280	244	270	326	413	289	NA	281	347	511
222	316	280	306	377	474	332	315	346	457	685
245	362	346	347	428	505	373	355	446	520	727
270	438	423	418	510	612	452	429	496	653	911
300	729	637	699	856	979	755	717	658	908	1219
330	1020	892	979	1203	1377	1061	1008	762	1020	1377
365	1122	969	1060	1295	1499	1142	1085	928	1377	1840
402	1402	1224	NA	1632	1867	1448	1376	1306	1703	2267
445	1734	1530	NA	2019	2336	1805	1716	1530	2040	2748
490	1989	1734	NA	2295	2652	2040	1938	1938	2346	3128
542	2550	2244	NA	2958	3437	2652	NA	2346	3009	4057
600	3468	3060	NA	4029	4590	3570	NA	3264	4182	5535
660	4488	3876	NA	5100	5865	4590	NA	4182	5304	6931
730	5304	4590	NA	6018	6936	5406	NA	4896	6222	8137
807	6120	5304	NA	6732	7956	6324	NA	5712	7650	9945
890	7242	6324	NA	8058	9384	7446	NA	6732	9180	11895

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.
- For Classes II, III and IV apply increase factors:
 - Class II above weights x 1.10
 - Class III above weights x 1.40
 - Class IV above weights x 1.70
- Sizes below the heavy black line may require contract haul, if shipped by truck. Check trucking companies for special rates. Also consider rail.
- For accessory weights, see page 9.
- Shipping weights are for VCR Backward Inclined and Airfoil fans.

Centrifugal Fans

Plenum

FAN SIZE	ARR. 3	
	CLASS I	CLASS II
122	81	89
135	97	107
150	126	139
165	147	162
182	160	176
200	195	210
222	220	242
245	272	274
270	338	345
300	438	462
330	525	545
365	601	612
402	807	821
445	992	1012
490	1027	1145
542	1427	1470
600	1836	1891
660	2747	2810
730	3304	3880
807	3818	4433
890	4787	5284

Efficient Silent Plenum (ESP)

FAN SIZE	CLASS I	CLASS II
122	NA	NA
135	102	112
150	132	146
165	154	170
182	164	180
200	184	194
222	201	212
245	273	259
270	334	389
300	403	429
330	515	544
365	590	623
402	792	836
445	974	991
490	1156	1182
542	1582	1618
600	1878	1921
660	2810	2874
730	3383	3938
807	3945	4499
890	4896	5363

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.

Industrial Fans

IndustraCon

FAN SIZE	OT - 15 OT - 17	OTH - 15 OT - 20	WT - 15 WT - 17	WTH - 15	AH - 15 AH - 17
5 - 61	105	118	105	NA	105
7 - 61	120	135	120	135	120
9 - 61	210	230	210	230	210
11 - 61	280	310	280	310	280
13 - 61	400	440	400	440	400
15 - 61	540	600	540	600	540
17 - 61	750	830	750	830	750
19 - 61	950	1050	950	1050	950
21 - 61	1200	1320	1200	1320	1200
23 - 61	1500	1650	1500	1650	1500
26 - 61	1800	1990	1800	1990	1800
29 - 61	2500	2750	2500	2750	2500
33 - 61	3250	3570	3250	3570	3250
37 - 61	4500	4950	4500	4950	4500
41 - 61	6000	6600	6000	6600	6000

NA = Not Available

Notes:

- Weights (in pounds) are approximate net and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.
- Fan sizes 37 - 61 and larger may require contract haul, if shipped by truck. Check trucking companies for special rates. Also consider rail. See standard shipping method.
- For accessory weights, see page 9.

Inline Fans

Tubular Centrifugal

FAN SIZE	ARR. 1			ARR. 3 & 9			MAX. ACCESS		TRAK SWO	
	HORIZONTAL			HORIZONTAL & VERTICAL			CLASS I	CLASS II	CLASS I	CLASS II
	CLASS I	CLASS II	CLASS III	CLASS I	CLASS II	CLASS III				
90	OA	NA	NA	75	NA	NA	NA	NA	NA	NA
105	OA	NA	NA	85	NA	NA	NA	NA	NA	NA
122	NA	NA	NA	OA	OA	NA	NA	NA	NA	NA
135	NA	NA	NA	OA	OA	NA	NA	NA	NA	NA
150	NA	NA	NA	OA	OA	NA	NA	NA	NA	NA
165	NA	NA	NA	OA	OA	NA	NA	NA	NA	NA
182	390	429	468	300	330	360	NA	NA	NA	NA
200	590	649	708	360	396	432	NA	NA	NA	NA
222	675	743	810	440	484	528	537	591	550	605
245	790	869	948	525	578	630	641	705	656	722
270	930	1023	1116	640	704	768	781	859	800	880
300	1100	1210	1320	790	869	948	964	1060	988	1087
330	1295	1425	1554	960	1056	1152	1171	1288	1200	1320
365	1530	1683	1836	1200	1320	1440	1464	1610	1500	1650
402	2190	2409	2628	1490	1639	1788	1818	2000	1863	2049
445	2540	2794	3048	1900	2090	2280	2318	2550	2375	2613
490	3085	3394	3702	2410	2651	2892	2940	3234	3013	3314
542	3660	4026	4392	3175	3493	3810	NA	NA	NA	NA
600	5205	5726	6246	4300	4730	5160	NA	NA	NA	NA
660	6495	7145	7794	5800	6380	6960	NA	NA	NA	NA
730	8970	9867	10764	7800	8580	9360	NA	NA	NA	NA
807	10890	11979	13068	9900	10890	11880	NA	NA	NA	NA
890	14300	15730	17160	13000	14300	15600	NA	NA	NA	NA

OA = On Application

NA = Not Available

Efficient Silent Inline (ESI)

FAN SIZE	CLASS I	CLASS II
150	NA	206
165	NA	248
182	282	297
200	335	353
222	408	430
245	482	507
270	623	656
300	853	898
330	999	1052
365	1101	1159
402	1583	1666
445	1923	2024
490	2494	2625
542	NA	3266
600	NA	4634
660	NA	5477
730	NA	7365

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard construction (steel on Tubular and FCS/DDS).
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.
- Tubular horizontal units, sizes 660 and up, are split into front and rear sections, and are usually shipped in two (2) pieces for joining at the job site.
- For Tubular wheel weights, see Backward Inclined and Airfoil wheels, page 1.
- For accessory weights, see page 9.

VersaPlug Fans

FAN SIZE	ARRANGEMENT 9	
	CLASS I	CLASS II
122	95	105
135	115	127
150	145	160
165	190	209
182	210	231
200	240	264
222	275	303
245	340	374
270	415	457
300	625	688
330	875	963
365	950	1045
402	1200	1320
445	1500	1650
490	1700	1870

Notes:

- Weights (in pounds) are approximate net and are based on PennBarry's standard steel construction.
- Weights are for bare fan only. For accessory and motor weights, see page 9.

Housings and Funnels

FAN SIZE	HOUSING						FUNNEL
	SINGLE WIDTH			DOUBLE WIDTH			ALL CLASSES
	CL I & II	CL III	CL IV	CL I & II	CL III	CL IV	
105	26	NA	NA	NA	NA	NA	6
122	31	37	40	41	49	53	6
135	39	47	51	50	60	65	7
150	46	55	60	58	70	75	8
165	57	68	74	76	91	99	10
182	71	85	92	90	108	117	12
200	85	102	111	107	128	139	15
222	93	112	121	127	152	165	16
245	125	150	163	172	206	224	18
270	157	188	204	198	238	257	21
300	280	336	364	307	368	399	25
330	310	372	403	379	455	493	30
365	385	462	501	468	562	608	41
402	476	571	619	518	622	673	50
445	560	672	728	643	722	836	58
490	681	817	885	916	1099	1091	70
542	852	1022	1108	1070	1284	1391	97
600	1020	1224	1326	1293	1552	1681	122
660	1237	1484	1608	1757	2108	2284	133
730	OA	OA	OA	OA	OA	OA	210
807	OA	OA	OA	OA	OA	OA	308
890	OA	OA	OA	OA	OA	OA	OA
982	OA	OA	OA	OA	OA	OA	OA

OA = On Application

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.
- For VersaPlug fans, wheel funnel and housing weights are the same as VCR Backward Inclined fans. VersaPlug fan weights do not include housings.
- Plenum shipping weights include protective enclosure and backward inclined or airfoil wheel.
- Housing weight includes inlet funnel(s).
- For accessory weights, see page 9.

Vibration Equipment

RIS/SPRING Rails and Bases for IndustraCon Fans

FAN SIZE	TYPE "C" RUBBER-IN-SHEAR (1/4 INCH DEFLECTION)		TYPE "F" RAILS
	ARR. I	ARR. 9	ARR. 4 & 10
005	60 - 82	50	18
007	70 - 90	56	23
009	75 - 115	63	25
011	76 - 128	70	27
013	86 - 145	75	27
015	92 - 150	79	30
017	96 - 155	88	30
019	120 - 160	100	36
021	135 - 165	110	
023	140 - 165	120	
026	160 - 180	130	
029	175 - 250		

FAN SIZE	TYPE "S" SPRING (3/4 INCH DEFLECTION)		OUTDOOR TYPE "FS" RAILS
	ARR. I	ARR. 9	ARR. 4 & 10
005 - 011	155 - 175	130	18
013	170 - 180	135	23
015	175 - 190	140	25
017	180 - 195	145	27
019	185 - 205	150	27
021	190 - 210	155	31
023	195 - 215	160	34
026	200 - 220	170	36
029	205 - 220	185	
033	210 - 225	200	
037	220 - 240	210	
041	230 - 270		

Unitary Bases for VCR and IndustraCon Fans

FAN SIZE		SHIP WT. (LBS.)
VCR	IND.	
182	-	134 - 140
200	011	144 - 132
222	013	153 - 248
245	-	160 - 256
270	015	171 - 271
300	017	273 - 308
330	019	288 - 324
365	021	304 - 356
402	023	327 - 377
445	026	347 - 403
490	029	368 - 564
542	-	400 - 613
600	033	439 - 594
660	037	649 - 850
730	041	706 - 900

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.

Vibration Equipment

VCR Fans with Type "C" and "D" RIS Bases

FAN WHEEL DIAMETER	SHIP WT. (LBS.)
122 - 200	120
222 - 270	150
300	180
330	190
365	195
402	200
445	210
490	220
542	240
600	260
DEDUCT FOR MOTOR SLIDE RAILS	18 - 60

VCR Fans with Type "S" Housed Spring Bases

FAN WHEEL DIAMETER	APROX. SHIP WT. (LBS.)
122 - 165	110 - 120
182 - 200	120 - 220
222 - 245	130 - 250
270	140 - 260
300	140 - 340
330	150 - 360
365	160 - 400
402	180 - 450
445	180 - 450
490	280 - 500
542	280 - 500
600	330 - 550
660	400 - 600
730	400 - 600
807	400 - 650
890	450 - 700
DEDUCT FOR MOTOR SLIDE RAILS	18 - 60

VCR Fans with Type "OSK" Spring Bases

Up to 1" Deflection

FAN WHEEL DIAMETER	APPROX. SHIP WT. (LBS.)
122 - 165	130 - 140
182 - 222	140 - 240
245 - 270	150 - 270
300	160 - 280
330	160 - 450
365	170 - 470
402	180 - 500
445	200 - 550
490	200 - 550
542	300 - 600
600	300 - 700
660	300 - 750
730	500 - 800
807	550 - 850
890	650 - 1050
DEDUCT FOR MOTOR SLIDE RAILS	18 - 60

1.1" to 2.0" Deflection

FAN WHEEL DIAMETER	APPROX. SHIP WT. (LBS.)
122 - 165	190 - 200
182 - 222	200 - 300
245 - 270	210 - 330
300	220 - 340
330	220 - 510
365	230 - 530
402	340 - 560
445	250 - 610
490	250 - 700
542	350 - 750
600	350 - 800
660	400 - 850
730	550 - 900
807	600 - 950
890	700 - 1200
DEDUCT FOR MOTOR SLIDE RAILS	18 - 60

2.1" to 3.5" Deflection

FAN WHEEL DIAMETER	APPROX. SHIP WT. (LBS.)
122 - 165	380 - 390
182 - 222	390 - 490
245 - 270	400 - 520
300	410 - 530
330	410 - 700
365	420 - 720
402	430 - 750
445	450 - 800
490	450 - 800
542	550 - 850
600	550 - 1000
660	600 - 1050
730	750 - 1100
807	800 - 1150
890	850 - 1350
DEDUCT FOR MOTOR SLIDE RAILS	18 - 60

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction (steel or aluminum wheel on AxiFlo; aluminum wheel on AxiFlex).

Accessories

FAN SIZE		VARIABLE INLET VANES	WEATHER COVER	DISCHARGE CAP	CURB CAP
VCR	IND.				
105	05	NA	5	NA	NA
122	07	32	9	NA	NA
135	–	35	11	NA	NA
150	09	38	12	NA	NA
165	–	42	15	NA	NA
182	–	45	17	148	82
200	11	50	21	165	87
222	13	55	26	180	93
245	–	60	34	210	98
270	15	70	38	230	103
300	17	85	50	250	119
330	19	112	57	300	131
365	21	125	70	350	145
402	23	145	OA	375	159
445	26	165	OA	400	176
490	29	185	OA	441	196
542	–	208	OA	488	217
600	33	232	OA	NA	NA
660	37	260	OA	NA	NA
730	41	295	OA	NA	NA
807	–	335	OA	NA	NA
890	–	380	OA	NA	NA
982	–	OA	OA	NA	NA

OA = On Application

NA = Not Available

Notes:

- Weights (in pounds) are approximate and are based on PennBarry's standard steel construction.
- Aluminum weights are 40% of steel. For stainless steel or abrasion resistant steel, use the standard steel weight.

Motor Weights

HP		1/2	3/4	1	1 1/2	2	3	5	7 1/2	10	15	20	25	30	40	50	60	75	100	125	150	200
1800	Open	30	33	35	35	40	54	64	104	130	176	198	304	350	433	485	500	740	982	1020	1140	1160
	T.E.	30	33	35	37	41	58	68	110	146	200	290	350	412	568	610	765	855	1040	1155	1535	–
1200	Open	34	36	40	60	61	84	108	176	196	305	356	430	485	682	912	992	1115	1300	2200	2500	2800
	T.E.	34	36	38	60	58	104	140	236	266	364	416	535	648	900	1000	1220	1350	1900	–	–	–

Notes:

- Motor weights (in pounds) are based on standard NEMA frame sizes and are approximate net.
- For explosion proof and 2-speed motors, use the totally enclosed weights.