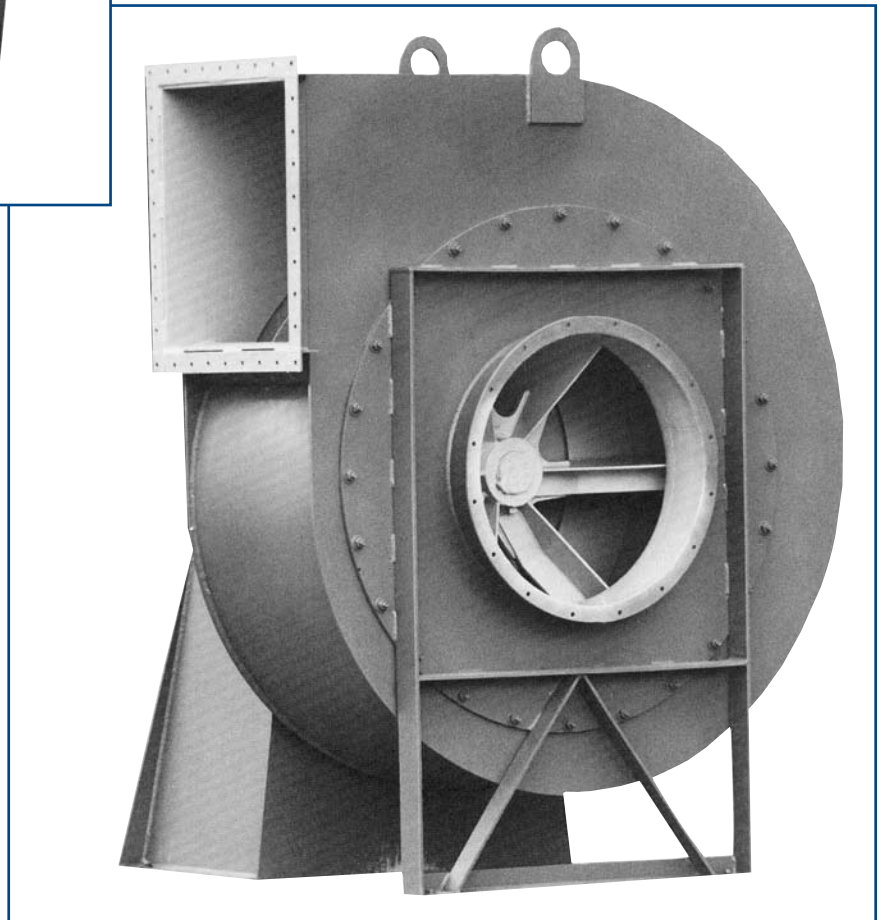
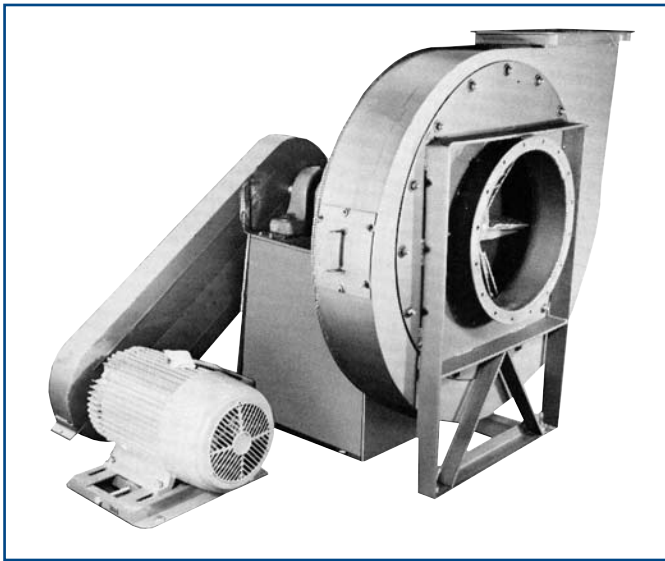
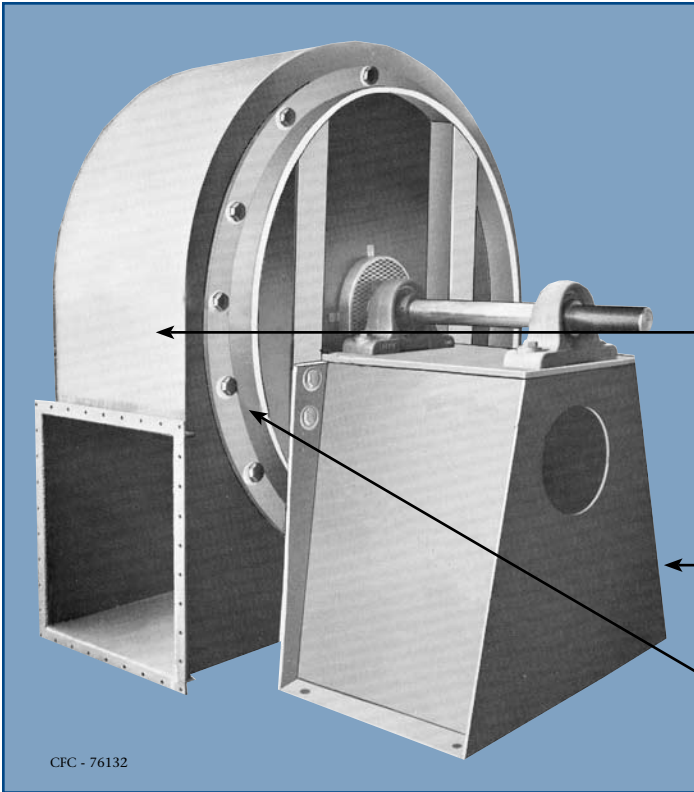




... WHEN EXPERIENCE COUNTS



XL radial blade fans



XL radial blade fans

HOUSINGS

For long life, and to minimize vibration, fan housings are fabricated of heavy gage, reinforced, steel with continuously welded construction at the scroll.

SIZES 209 THROUGH 233

To meet varying installation requirements fan housings are field rotatable to all standard discharges by rotating the housing between supports. The fan rotation can also be changed in the field.

Access to rotor for cleaning and repair can be obtained from either the inlet or drive side through large openings in fan housing.

RADIUS INLET

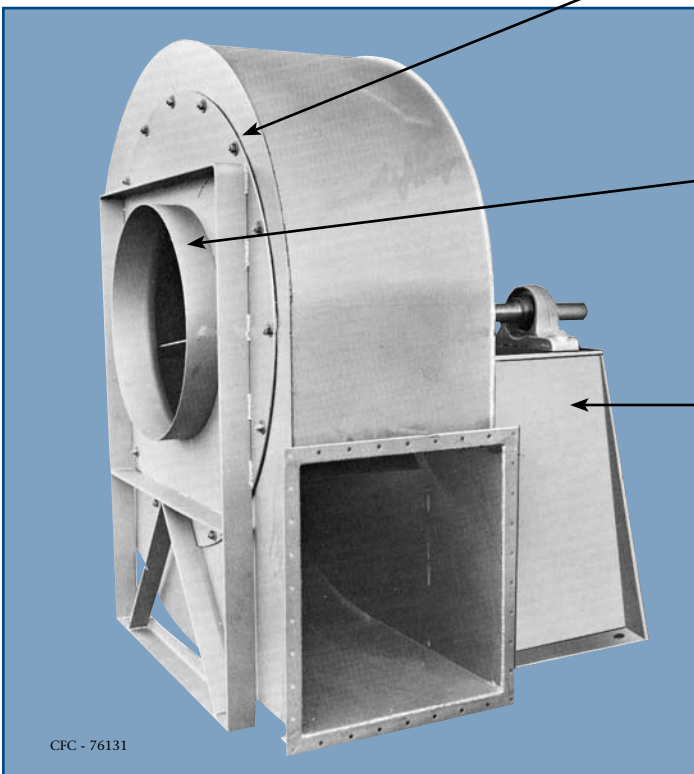
Special radius inlet is provided to minimize entry losses and to provide efficient, stable operation.

BEARING BASES

To provide stable operation under varying loads and material handling conditions, Clarage XL Fans are furnished with heavy duty reinforced bearing bases.

CORROSION OR EROSION

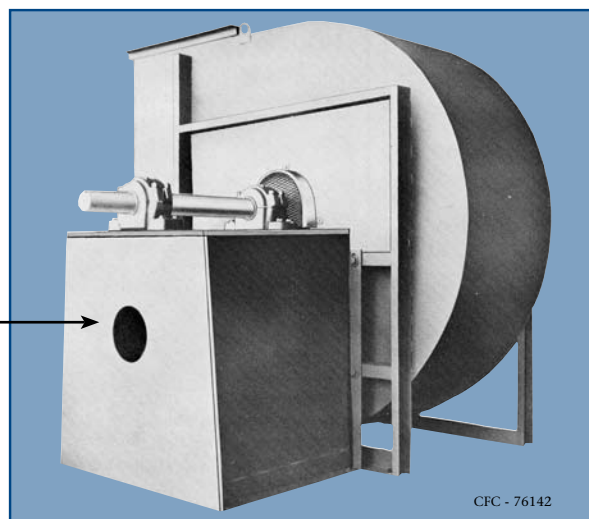
For protection against corrosive or erosive gases, special materials can be furnished.



SIZE 237

Larger fan applications require a more rigid construction to meet the increased demands of performance and application requirements. Starting at size 237 Clarage XL fans are furnished with rigid, base angle fan housings that are available in all standard fan discharges.

Illustrated is Size 237, clockwise rotation, up-blast discharge.

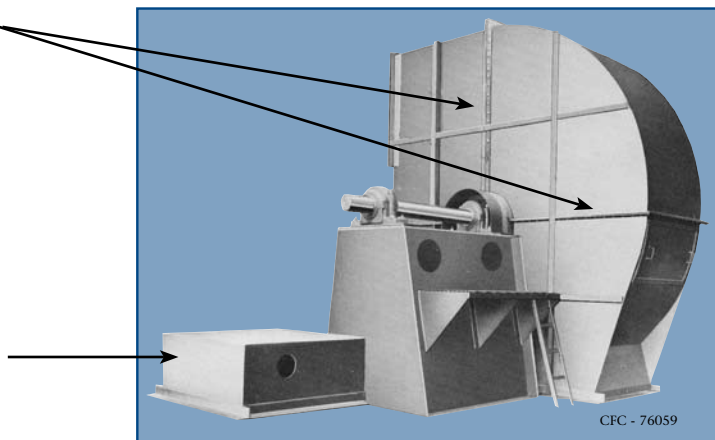


SIZES 241 AND LARGER

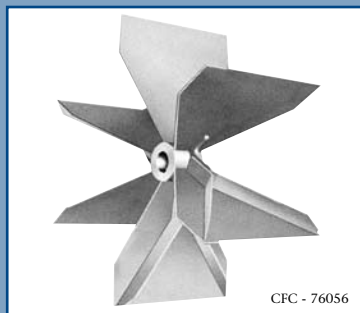
For convenience in shipping and installation, sizes 241 and larger XL fans are designed with split housings. Housing splits required for removal of the rotating assembly after installation are standard.

SPECIAL CONSTRUCTIONS

Special fan constructions can be furnished to meet your specific application requirements. Illustrated is a special Size 260 XL fan, counterclockwise, top horizontal discharge, with optional full internally reinforced bearing support, platform and ladder, air-cooled bearings, access door, and insulation studs.

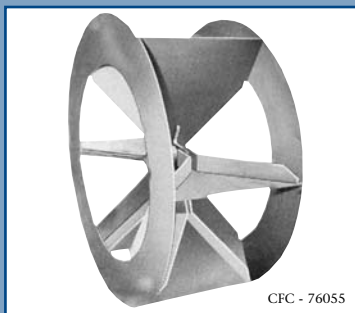


THREE IMPELLER TYPES



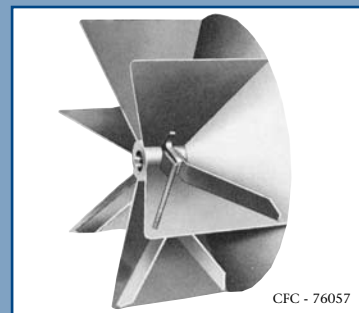
OPEN TYPE

For general purpose use including handling of nearly all types of materials. Has best self-cleaning characteristics.



RIM TYPE

For general purpose use; particularly for extreme, severe duty. Available on sizes 211 and larger. Not available in sizes 209 and 210.



KBC TYPE

For general purpose use, particularly for handling stringy materials. Optional on sizes 209 through 237.

ACCESSORIES

SHAFT SEALS AND GASKETS

Made of non-asbestos containing materials with metal retaining plates, shaft seals provide a simple but effective means of reducing leakage around the fan shaft.

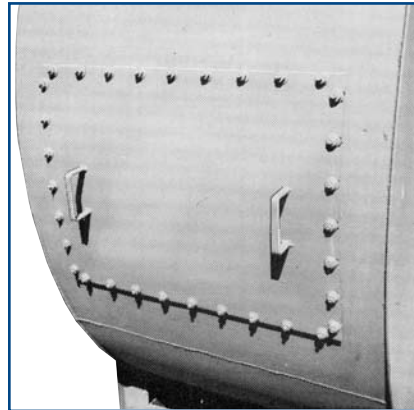
SPARK RESISTANT

To meet AMCA Class A, B, or C spark-resistant construction standards, XL fans can be so constructed that a shift of the impeller or shaft will not permit two ferrous parts of the fan to rub or strike.

NOTE: Spark-resistant fans should be electrically grounded.

ACCESS DOORS

Stud-mounting bolted access panels as shown can be furnished



on all sizes of XL fans. Quick opening types and raised types are also available.

SPECIAL METALS

XL Industrial fans can be constructed of monel, stainless

steel or other alloys. To meet special requirements such as handling corrosive or high temperature gases.

OTHER ACCESSORIES

- Inlet Screens • Coupling Guards • Belt Guards • Guards covering Shaft and Bearings (also covers Cooling Wheel if so equipped) • Insulation Studs • Vortex Control • Outlet Damper • Flanged Housing Outlet (Des. 15 and 17), (Standard Des. 22).
- Inlet Cone • Inlet Cone Flanged • Inlet Collar Flanged • Cooling Wheel and Guard • Special Linings: Rubberline and Ceramic • Special Coatings: Epoxy, Teflon and Phenolic

SPECIFICATIONS AND PERFORMANCE DATA

MAXIMUM SAFE OPERATING SPEEDS (RPM)														APPROX. SHIPPING WT. (LBS.)			WR ² (POUND FEET ²)		
DESIGN 17 MAXIMUM FAN TEMP.							DESIGN 22 MAXIMUM FAN TEMP.							FAN SIZE	DES. 17	DES. 22	DES. 17		DES. 22
TO 200° F	300° F	400° F	500° F	600° F	700° F	750° F	TO 200° F	300° F	400° F	500° F	600° F	700° F	750° F				OPEN RIM	RIM	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
3395	3250	3125	3015	2930	2850	2805	4395	4260	4150	4065	3885	3745	3680	211	360	440	7.5	13.7	18.1
2875	2755	2645	2550	2480	2410	2375	3720	3605	3515	3440	3285	3170	3115	213	460	590	12.9	24.9	32.9
2485	2380	2290	2210	2145	2085	2055	3220	3120	3040	2975	2845	2740	2695	215	580	750	23.1	44.1	56
2190	2100	2015	1945	1890	1840	1810	2835	2750	2680	2625	2510	2415	2375	217	780	990	35.8	70.1	93.5
1970	1885	1810	1750	1700	1650	1625	2550	2470	2410	2355	2250	2170	2135	219	1,025	1,350	80	154	179
1780	1705	1635	1580	1535	1495	1470	2305	2235	2175	2130	2035	1960	1930	221	1,250	1,575	114	222	263
1625	1555	1495	1445	1405	1365	1345	2105	2040	1985	1945	1860	1790	1760	223	1,525	2,000	160	316	371
1440	1380	1325	1280	1245	1210	1190	1865	1810	1760	1725	1650	1590	1565	226	2,100	2,700	271	521	612
1285	1235	1185	1145	1110	1080	1065	1665	1615	1575	1540	1475	1420	1395	229	2,700	3,500	520	1,040	1,060
1130	1085	1040	1005	975	950	935	1465	1420	1385	1355	1295	1245	1225	233	3,400	4,350	832	1,920	2,050
1010	970	930	895	870	850	835	1305	1270	1235	1210	1155	1115	1095	237	5,400	6,400	1,450	3,120	3,310
915	875	840	810	790	765	755	1180	1145	1115	1095	1045	1005	990	241	6,600	7,600	2,210	4,780	5,110
830	795	765	740	720	700	685	1075	1045	1015	995	950	915	900	245	7,900	9,900	—	6,730	7,150
765	730	700	670	660	640	630	985	960	935	915	875	840	825	249	9,400	11,800	—	10,000	10,550
695	665	640	615	600	585	575	900	870	850	830	795	765	755	254	11,500	14,200	—	16,200	17,100
625	600	575	555	640	525	515	810	785	765	745	715	690	675	260	14,300	17,400	—	24,200	25,600

Maximum safe operating speeds listed are for mild steel construction wheels.

CLARAGE

5959 Trenton Lane, Minneapolis, MN 55442
 Phone (763) 551-7600 • Fax (763) 551-7601
 Web site: www.clarage.com
 E-mail: sales@clarage.com

ISO 9001

REGISTERED FIRM