



3CDL5

Verimli, Darbesiz Çalışma: Vidalı tip burgulu rotorlar, hava hattına düzgün ve sabit debide havayı verirken, hava boşluklarının hatta verilmesini engeller. Daireselleştirilmiş giriş ve çıkış bağlantıları hava turbülansını en aza indirir.

Yüksek Kapasite-Hafif Gövde: Kompakt tasarımı, performans bakımından en iyi parça ve malzeme seçimi ve hassas toleransları sağlama, Cycloblower'ın hafif gövdesine rağmen yüksek hızlarda çalışarak kapasitesinin artmasını sağlamıştır.

UYGULAMA ALANLARI

- Atıksu Arıtma Tesisleri
- Çamur Çürütme Tankları
- Filtre Geri Yıkama
- Yerel ve Endüstriyel Havuz Havalandırması
- Hava ile Yüzdürme İşlemleri
- Vakum Sistemleri
- Hava Bıçağı Sıyırma Sistemleri
- Pnömatik Taşıma Sistemleri

GÖVDE

Yekpare, dayanıklı gövde, aralarında ince toleransların olduğu rotorların çalışmasını sağlar. Yuvarlatılmış çıkış ağzları, havanın daha düzgün olmasını sağlar.

HOUSING

One piece, high strength housing resists deflection to retain accurate running tolerances between rotors. Properly contoured porting provides smooth air flow.

YAĞ KEÇELERİ

Hidrodinamik yağ keçeleri, yağı hazneye doğru otomatik olarak geri iterek, çok iyi bir sızdırmazlık sağlar.

OIL SEALS

Hydrodynamic oil seals automatically push lubricant back towards reservoir for superior sealing

ZAMAN DİŞLİLERİ

Rotorların senkronizasyonu bir çift helisel dişli ile olur. Hassas dişliler, doğru ve sessiz çalışma sağlar.

TIMING GEARS

Synchronization of rotors is through a pair of helical timing gears. Precision alloy steel gears provide quiet, accurate operation.

ROTORLAR

Helisel dört yivli rotor ve rotorların oluşturduğu 2 lob dinamik olarak balans edilmiş ve dayanıklılığı test edilmiş düktil demirden işlenmiştir.

ROTORs

Helical four-flute gate rotor and two-lobe main rotor are milled from high tensile strength ductile iron, stress relieved and dynamically balanced.

RULMANLAR

Rulmanlar mil üzerindeki bütün yükü taşırlar. Bütün modellerin çıkış tarafında açılı bilyalı rulman, dişli tarafında küresel rulman vardır.

BEARINGS

Anti-friction bearings carry the shaft loads in all models. All models use pairs of angular contact ball bearings on the discharge end and cylindrical roller bearings or single-row ball bearings on the gear end.



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Efficient, Shock-Free Compression: The screw-type, cycloidal rotors generate a balanced compression cycle, providing a smooth and steady discharge, eliminating the sudden release of trapped pockets of air into the line. Contoured inlet and discharge ports minimize turbulence.

High Capacity-Low Weight: Compact design, selection of optimum performance parts and materials, and accurately maintained tolerances allow the Cycloblower to be operated at high speeds, increasing capacity for relatively low unit weight.

APPLICATIONS

- Wastewater Treatment Plants
- Sludge Digester Tanks
- Filter Backwashing
- Municipal or Industrial Pond Aeration
- Air Flotation Processes
- Vacuum Systems
- Air Knife Stripping
- Pneumatic Conveying

HAVA/GAZ KEÇELERİ

Labirent tip mil keçeleri sayesinde hava/gaz kaçağı minimum düzeydedir.

Gaz taşımının yapılacağı, kaçağın kabul edilemeyeceği yerlerde, mekanik keçeli olan modellerde mevcuttur.

AIR/GAS SEALS

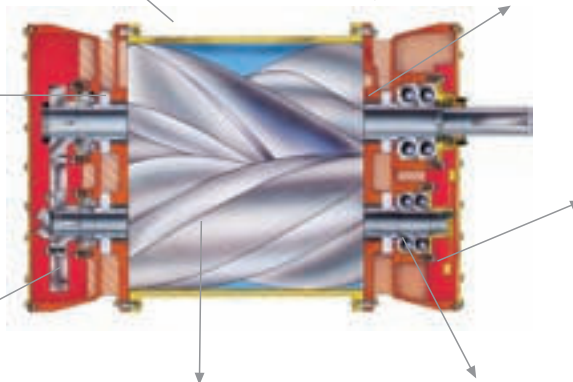
Labyrinth-type shaft seals provide a minimum of controlled leakage of air or gas. Purged labyrinth seals or mechanical seals are available with units handling gas, where leakage cannot be tolerated.

YAĞLAMA

Basit tasarımı sayesinde rotorların yağlanmasına gerek yoktur. Dişli ve rulmanlar sıçratmalı yağ sistemi ile yağlanır.

YAĞLAMA

Basic design requires no lubrication of rotors. Gears and bearings are lubricated by a splash oil system. An oil pump is not required.



BLOWER MODEL	Giriş/Inlet Çıkış/Outlet DN	Devir Speed d/d rpm	BASINÇ / PRESSURE														
			350 mbar		630 mbar		840 mbar		1050 mbar		1260 mbar		1400 mbar				
			m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW	m³/h	kW			
5 CDL5	80 F / 80 F	1,500	165	2.61	133	4.47											
		2,000	243	3.35	211	5.96	190	7.5									
		2,500	323	4.84	291	7.82	270	10.1	253	12.7							
		3,000	404	5.96	370	9.83	348	12.7	331	15.5							
		3,500	481	7.52	450	11.92	428	15.0	408	18.5	384	21.4					
		4,000	561	9.31	532	13.78	506	17.9	484	21.6	454	24.9	447	27.6			
		5,000	639	11.10	610	16.76	586	20.6	564	24.9	542	28.5	527	31.8			
5 CDL9	125 F / 125 F	1,500	306	4.47	255	8.94											
		2,000	454	5.96	403	11.18	374	14.2									
		2,500	603	7.60	552	13.04	522	17.1	493	21.2							
		3,000	751	9.31	700	15.65	669	20.5	646	25.3	620	29.8	591	33.5			
		3,500	900	11.18	850	18.63	819	23.8	790	29.8	765	33.5	741	39.0			
		4,000	1,048	13.41	997	22.35	968	28.3	934	34.3	917	39.5	890	45.1			
		5,000	1,198	15.72	1,155	25.55	1,123	32.9	1,092	40.5	1,060	47.2	1,038	51.6			
5 CDL13	125 F / 125 F	1,500	425	5.96	372	10.43	330	14.2									
		2,000	637	8.57	583	14.30	542	19.0	510	23.8							
		2,500	850	11.18	795	18.25	754	23.8	722	29.8							
		3,000	1,062	13.78	1,008	22.35	967	29.1	934	35.8	892	43.2	866	46.6			
		3,500	1,274	16.76	1,220	26.82	1,179	34.6	1,147	41.7	1,104	49.2	1,079	53.9			
		4,000	1,487	20.49	1,432	32.04	1,391	40.2	1,359	47.7	1,317	55.1	1,291	61.2			
		5,000	1,692	24.66	1,641	36.95	1,604	46.2	1,566	53.0	1,529	61.7	1,504	68.3			
7 CDL11	200 F / 200 F	1,100	561	7.45	467	13.41	408	18.6									
		1,600	917	12.29	824	20.86	773	27.6									
		2,100	1,291	16.76	1,198	28.31	1,138	36.5	1,087	44.0	1,053	53.6	992	58.5			
		2,600	1,665	20.86	1,563	35.76	1,512	45.4	1,453	55.9	1,419	67.8	1,361	72.9			
		3,100	2,039	26.08	1,937	43.96	1,886	55.9	1,835	67.8	1,784	82.0	1,731	88.6			
		3,600	2,396	31.29	2,311	52.15	2,251	66.3	2,192	80.5	2,141	96.9	2,102	105.6			
		4,000	2,703	36.13	2,622	58.63	2,560	74.5	2,499	90.1	2,438	0.0	2,397	119.5			
7 CDL14	200 F / 200 F	1,100	731	11.92	646	17.88	595	22.4									
		1,600	1,189	14.90	1,104	24.59	1,053	32.8	1,011	41.0							
		2,100	1,657	20.12	1,572	32.78	1,521	43.2	1,470	53.6	1,385	63.3	1,366	70.0			
		2,600	2,124	26.08	2,039	42.47	1,988	55.9	1,937	67.8	1,852	79.7	1,832	89.3			
		3,100	2,599	32.78	2,498	52.15	2,464	67.1	2,413	82.0	2,328	96.9	2,299	107.4			
		3,600	3,058	39.49	2,973	62.58	2,922	79.7	2,880	96.9	2,803	113.2	2,764	124.6			
		4,000	3,437	46.12	0	71.74	3,298	90.0	3,237	105.4	3,177	127.2	3,138	138.5			
7 CDL17	200 F / 200 F	1,100	833	11.18	697	18.63	629	22.4									
		1,600	1,376	16.39	1,257	29.06	1,181	35.8									
		2,100	1,937	22.35	1,818	39.49	1,741	50.7	1,674	62.6	1,614	73.0	1,560	83.7			
		2,600	2,481	29.80	2,379	49.92	2,302	64.1	2,243	79.0	2,183	92.4	2,119	103.2			
		3,100	3,050	38.00	2,939	60.35	2,871	78.2	2,803	95.4	2,761	111.8	2,678	121.5			
		3,600	3,610	47.68	3,500	73.01	3,440	92.4	3,381	113.2	3,330	131.1	3,237	141.6			
		4,000	4,062	56.10	3,960	81.43	3,886	100.9	3,809	123.7	3,733	145.1	3,683	158.5			
9 CDL13	200 F / 200 F	1,200	1,402	17.14	1,257	29.80	1,172	38.7									
		1,500	1,826	22.35	1,682	38.00	1,614	49.9	1,546	61.1							
		1,800	2,260	29.80	2,124	46.94	2,056	61.1	1,988	74.5	1,920	89.4	1,867	98.6			
		2,100	2,684	36.51	2,565	56.62	2,498	73.8	2,430	89.4	2,370	107.3	2,307	116.0			
		2,400	3,118	44.70	3,007	67.80	2,939	87.2	2,871	105.0	2,820	124.4	2,746	134.6			
		2,700	3,551	56.62	3,440	81.95	3,381	102.8	3,322	122.2	3,262	141.6	3,186	153.9			
		3,000	4,015	66.68	3,911	95.36	3,833	118.8	3,756	140.0	3,678	158.0	3,626	174.6			
9 CDL18	250 F / 200 F	1,200	1,920	23.84	1,733	38.74	1,631	52.2	1,563	63.3							
		1,500	2,515	31.29	2,353	51.41	2,251	66.3	2,175	79.0							
		1,800	3,126	38.74	2,973	63.33	2,871	82.0	2,786	96.9	2,718	113.2	2,645	130.6			
		2,100	3,729	46.94	3,585	75.25	3,500	97.6	3,415	115.5	3,339	137.1	3,255	155.3			
		2,400	4,332	57.37	4,188	89.40	4,112	113.2	4,027	135.6	3,959	160.9	3,865	180.1			
		2,700	4,927	70.78	4,791	104.30	4,723	130.4	4,655	160.9	4,570	190.0	4,475	206.5			
		3,000	5,561	82.62	5,435	119.57	5,338	149.3	5,243	186.2	5,148	218.8	5,085	236.6			
9 CDL23	250 F / 200 F	1,200	2,328	31.29	2,073	52.15	1,954	63.3	1,818	70.8							
		1,500	3,075	41.72	2,854	65.56	2,752	79.7	2,633	93.1	2,481	111.8	2,413	125.9			
		1,800	3,857	52.15	3,653	79.72	3,551	99.1	3,432	116.2	3,279	137.8	3,198	151.7			
		2,100	4,621	63.33	4,434	94.62	4,349	118.5	4,248	139.3	4,095	165.4	3,984	177.8			
		2,400	5,403	72.27	5,233	109.52	5,165	137.8	5,063	162.4	4,910	191.5	4,769	204.9			
		2,700	6,167	81.95	6,031	123.67	5,947	156.5	5,862	186.3	5,709	219.8	5,554	233.3			
		3,000	6,983	92.83	6,95	138.87	6,682	173.5	6,553	202.5	6,426	241.0	6,339	261.1			
11 CDL23	350 F / 300 F	800	2,718	37.25	2,413	59.60	2,345	74.5	2,175	87.9	2,073	104.3					
		1,100	3,959	44.70	3,670	78.23	3,500	96.9	3,398	119.2	3,228	141.6	3,063	159.1			
		1,400	5,207	63.33	4,927	104.30	4,774	130.4	4,587	160.2	4,417	186.3	4,287	208.3			
		1,700	6,456	85.68	6,167	130.38	5,980	163.9	5,777	197.4	5,607	234.7	5,510	259.9			
		2,000	7,696	108.03	7,408	160.18	7,204	201.2	7,000	238.4	6,796	279.4	6,733	310.1			
		2,200	8,475	127.84	8,228	179.25	8,043	225.8	7,858	270.1	7,673	316.9	7,549	343.6			
		800	2,990	37.25	2,684	63.33	2,447	85.7	2,243	104.3							
11 CDL27	350 F / 300 F	1,100	4,417	55.88	4,078	89.40	3,874	119.2	3,670	141.6	3,466	171.4	3,315	186.0			
		1,400	5,845	76.74	5,505	115.48	5,301	152.7	5,097	186.3	4,893	216.1	4,742	240.4			
		1,700	7,272	100.58	6,932	149.00	6,728	190.0	6,524	231.0	6,286	268.2	6,167	299.6			
		2,000	8,699	126.65	8,359	186.25	8,155	234.7	7,951	283.1	7,747	327.8	7,593	360.7			
		2,200	9,645	146.91	9,351	212.70	9,130	266.1	8,911	313.3	8,690	370.2	8,544	401.8			
		800	3,432	44.70	3,101	70.78	2,888	93.1	2,676	115.5	2,464	137.8					
		1,100	5,097	59.60	4,757	100.58	4,570	126.7	4,358	156.5	4,146	186.3	3,979	203.2			

BLOWER MODEL	Giriş/Inlet Çıkış/Outlet DN	Devir Speed d/d rpm	VAKUM / VACUUM											
			270 mbar		400 mbar		540 mbar		575 mbar					
			m ³ /h	kW	m ³ /h	kW	m ³ /h	kW	m ³ /h	kW				
5 CDL5	80 F / 80 F	1,500	183	2.2	153	3.1								
		2,000	268	2.9	240	3.9	211	5.4						
		2,500	357	3.7	328	4.9	299	6.6	296	6.9				
		3,000	443	4.6	415	6.0	387	7.7	382	8.2				
		3,500	530	5.7	503	7.5	477	9.2	469	9.6				
		4,000	615	6.8	590	8.7	566	10.7	556	11.0				
		4,500	703	8.2	676	10.2	649	12.1	642	12.7				
		5,000	790	9.7	763	11.8	736	13.7	729	14.4				
5 CDL9	125 F / 125 F	1,500	280	3.5	221	4.9	139	7.0						
		2,000	442	4.5	379	6.6	297	9.3						
		2,500	603	5.6	535	8.3	462	11.5						
		3,000	765	6.8	700	10.0	624	13.8	610	14.8				
		3,500	926	7.9	856	11.6	785	16.0	771	17.2				
		4,000	1,087	9.1	1,019	13.3	948	18.3	933	19.7				
		4,500	1,250	10.3	1,181	15.0	1,113	20.8	1,096	22.1				
		5,000	1,412	11.4	1,344	16.8	1,274	22.9	1,257	24.5				
5 CDL13	125 F / 125 F	1,500	391	4.5	306	6.7	207	8.4						
		2,000	595	6.6	510	9.1	416	11.5						
		2,500	799	8.6	717	11.8	629	14.9						
		3,000	1,008	10.8	923	14.3	841	17.9	819	18.8				
		3,500	1,210	12.9	1,130	16.8	1,053	20.9	1,026	21.8				
		4,000	1,419	14.9	1,291	19.4	1,266	23.8	1,233	24.9				
		4,500	1,634	17.1	1,548	22.3	1,463	27.0	1,441	28.1				
		5,000	1,842	19.3	1,755	25.0	1,668	30.1	1,648	31.3				
7 CDL11	200 F / 200 F	1,100	569	6.0	467	8.9	365	11.9						
		1,600	943	8.9	841	13.4	722	17.9						
		2,100	1,325	13.0	1,223	17.9	1,096	23.8	1,075	24.9				
		2,600	1,716	16.8	1,597	22.4	1,470	29.1	1,458	31.9				
		3,100	2,090	19.4	1,979	26.8	1,843	35.0	1,838	38.8				
		3,600	2,472	22.4	2,353	32.0	2,226	41.7	2,219	45.3				
		4,000	2,774	26.1	2,662	36.0	2,550	47.5	2,523	50.3				
		7 CDL14	200 F / 200 F	1,100	748	7.5	654	10.4	544	13.4				
1,600	1,249			11.2	1,147	16.4	1,045	20.1	1,018	21.7				
2,100	1,750			16.4	1,648	21.6	1,546	27.6	1,517	29.2				
2,600	2,251			19.4	2,149	27.9	2,047	35.0	2,017	36.6				
3,100	2,744			23.8	2,650	32.8	2,549	41.7	2,516	43.9				
3,600	3,228			28.3	3,143	39.1	3,041	49.2	3,016	51.3				
4,000	3,644			31.6	3,542	43.5	3,440	54.7	3,415	57.1				
7 CDL17	200 F / 200 F			1,100	892	8.9	765	11.9	637	16.4				
		1,600	1,478	13.4	1,359	17.9	1,223	23.8	1,227	25.6				
		2,100	2,081	17.9	1,971	23.8	1,826	31.3	1,832	33.7				
		2,600	2,701	23.1	2,582	30.5	2,430	38.7	2,436	41.6				
		3,100	3,279	29.8	3,186	37.3	3,092	46.9	3,040	50.2				
		3,600	3,891	35.8	3,823	44.7	3,678	55.9	3,644	59.5				
		4,000	4,370	42.8	4,263	52.0	4,156	63.3	4,129	66.8				
		9 CDL13	200 F / 200 F	1,200	1,342	14.9	1,240	20.1						
1,500	1,792			18.6	1,682	25.3	1,529	31.3	1,522	31.7				
1,800	2,243			22.4	2,124	30.5	1,971	38.0	1,925	38.9				
2,100	2,684			27.6	2,565	35.8	2,413	45.4	2,374	46.9				
2,400	3,143			32.8	3,007	43.2	2,846	53.6	2,822	55.8				
2,700	3,585			41.0	3,449	51.4	3,288	63.3	3,271	65.2				
3,000	4,059			48.1	3,908	59.6	3,756	72.0	3,719	75.2				
9 CDL18	250 F / 200 F			1,200	1,988	18.6	1,869	26.8	1,750	35.0	1,745	38.9		
		1,500	2,599	23.8	2,481	32.8	2,362	42.5	2,360	45.7				
		1,800	3,211	29.1	3,109	39.5	2,990	50.7	2,973	53.9				
		2,100	3,823	35.8	3,721	46.9	3,619	59.6	3,588	63.4				
		2,400	4,434	44.7	4,332	56.6	4,239	70.0	4,202	74.4				
		2,700	5,038	57.4	4,944	70.8	4,851	84.2	4,817	87.2				
		3,000	5,675	71.4	5,566	85.6	5,457	98.9	5,430	102.0				
		9 CDL23	250 F / 200 F	1,200	2,345	23.8	2,166	32.0	1,954	40.2	1,864	40.4		
1,500	3,143			31.3	2,939	41.0	2,718	50.7	2,656	53.8				
1,800	3,942			38.0	3,738	49.9	3,500	64.1	3,446	67.3				
2,100	4,723			45.4	4,502	58.9	4,264	76.0	4,237	81.0				
2,400	5,522			52.2	5,284	68.5	5,046	87.9	5,027	94.4				
2,700	6,320			59.6	6,065	77.5	5,794	99.8	5,819	107.7				
3,000	7,090			66.7	6,876	86.3	6,663	113.3	6,609	121.0				
11 CDL23	350 F / 300 F			800	2,718	26.1	2,251	37.3	1,971	46.9				
		1,100	3,959	36.5	3,517	50.7	3,194	64.1	3,085	64.8				
		1,400	5,207	52.2	4,757	68.5	4,460	84.9	4,353	84.9				
		1,700	6,456	70.0	6,014	89.4	5,675	106.5	5,622	107.9				
		2,000	7,696	90.9	7,272	110.3	6,932	130.4	6,889	132.7				
		2,200	8,475	104.2	8,133	126.1	7,814	144.5	7,734	149.7				
		11 CDL27	350 F / 300 F	800	2,931	29.8	2,574	42.5	2,226	55.1				
				1,100	4,400	42.5	4,061	58.1	3,721	73.8	3,604	79.2		
1,400	5,879			60.3	5,539	79.0	5,199	98.3	5,078	102.1				
1,700	7,374			80.5	7,017	102.1	6,660	122.9	6,551	126.7				
2,000	8,835			104.3	8,478	125.2	8,121	146.8	8,026	151.9				
2,200	9,790			120.3	9,443	140.0	9,095	162.6	9,008	168.5				
11 CDL31	350 F / 300 F			800	3,568	33.5	3,228	46.2	2,888	59.6	2,849	62.1		
				1,100	5,165	48.4	4,800	65.6	4,434	80.5	4,399	82.7		
		1,400	6,660	66.3	6,320	87.2	6,031	104.3	5,948	107.1				
		1,700	8,189	85.7	7,892	109.5	7,561	129.6	7,498	135.3				
		2,000	9,718	108.0	9,429	134.1	9,107	158.7	9,045	166.5				
		2,200	10,760	126.0	10,457	155.5	10,155	181.9	10,078	188.6				

Tablodaki veriler normal şartlar için geçerlidir. 1013 mbar atmosfer basıncı, giriş sıcaklığı 20°C ve bağıl nem %36
Performance data for air at standart conditions. 1013 mbar atmospheric pressure, 20°C inlet temperature and 36% relative humidity.
F : Flanşlı bağlantı
F : Flange connection