



TECHNICAL BULLETIN #1

Blower Technical Data

MODEL	GEAR PITCH DIA	MAX. NORMAL OPER. PRESS.**	MAX. CASING PRESS.	ROTOR SHAFT BEARING DIA.	PORT SIZE	MAX TEMP RISE*	DRIVE SHAFT DIA. (S=64/67)	ROTOR SHAFT DIA. AT LAB SEAL	NOMINAL ROTOR DIA.	POLAR MOMENT OF INERTIA (WR2)		PORT FITTING LOADING		ROTOR SHAFT MATERIAL	DRIVE SHAFT MATERIAL	GEAR END BEARING
	INCHES	PSIG	PSIG	MM	INCHES	F°	INCHES	INCHES	INCHES	2 LOBE LB-FT ²	3 LOBE LB-FT ²	FORCE (LBS.)	MOMENT (FT.-LBS.)			
PD PLUS™																
3202	3.25"	15	150	25 mm	1.5" NPT	280	0.938" S = 1.125"	1 5/16"	4.88"	N/A	0.32	150	40	DUCTILE IRON	DUCTILE IRON	5205 DR
3204		2" NPT			280	0.6				0.51						
3206		3" NPT			280	0.69				0.56						
3210		3" NPT			280	1.15				0.85						
4006	4.00"	15	150	30 mm	3" NPT	280	1.125"	1 7/16"	6"	N/A	0.83	250	60	DUCTILE IRON	STEEL	5206 DR
4009		3" NPT			300	1.125"	1.24			1.01						
4012		4" NPT			300	1.125"	1.51			1.23						
5507	5.50"	15	150	40 mm	4" NPT	280	1.750" S = 1.500"	2"	8.25"	4.3	3.5	350	120	DUCTILE IRON	STEEL	5208 DR
5509		5" NPT			280	5				4.1						
5511		5" NPT			280	6.3				5.2						
5514		6" FLG			280	8				6.6						
5516		8" FLG			280	N/A				7.2						
5518		8" FLG			280	10				8.2						
5520		8" FLG			185	N/A				9.1						
7010	7.00"	18	150	55 mm	6" FLG	300	2.375"	2 13/16"	10.5"	22	N/A	500	500	DUCTILE IRON	STEEL	5311 DR
7013		8" FLG			300	25										
7017		10" FLG			295	29										
7021		12" FLG			285	33										
7026		12" FLG			250	38										
9012	9.06"	15	50	65 mm	10" FLG	280	3.125"	3 1/8"	13.56"	44	N/A	500	500	DUCTILE IRON	STEEL	5313 DR
9016		12" FLG			280	51										
9020		12" FLG			280	54										
9027		14" FLG			280	78										
1215	12.00"	15	150	90 mm	12" FLG	280	3.500"	3 1/2"	18"	150	N/A	1000	1000	DUCTILE IRON	STEEL	5218 DR
1224		14" FLG			280	182										
1230		14" FLG			280	224										
1236		18" FLG			230	266										
1248		20" FLG			220	341										
					8											
COMPETITOR® PLUS™ / COMPETITOR® SL™ / COMPETITOR® GT™																
2002	2.50"	12	150	15 mm	1" NPT	225	0.625"	0.687"	3.75"	C.F.	C.F.	100	30	DUCTILE IRON	DUCTILE IRON	5203
2004		2" NPT			185	0.625"										
3003	3.50"	12	150	25 mm	2" NPT	180	0.750"	1.220"	5.25"	C.F.	C.F.	150	40	DUCTILE IRON	DUCTILE IRON	5205
3006		2.5" NPT			170	0.750"										
4002	4.00"	15	150	30 mm	1.5" NPT	220	0.875"	1.390"	6"	C.F.	C.F.	250	60	DUCTILE IRON	DUCTILE IRON	5206
4005		2" NPT			210	0.875"										
4007		3" NPT			210	0.875"										
5003	5.00"	15	150	35 mm	2.5" NPT	195	1.125"	1.687"	7.5"	C.F.	C.F.	250	60	DUCTILE IRON	DUCTILE IRON	5207
5006		4" NPT			195	1.125"										
5009		4" NPT			160	1.125"										
6005	6.00"	15	150	40 mm	3" NPT	250	1.375"	1.875"	9"	C.F.	C.F.	350	120	DUCTILE IRON	DUCTILE IRON	5208
6008		5" NPT			240	1.375"										
6015		6" FLG			180	1.375"										
EQUALIZER™																
4606	4.60"	15	150	40 mm	4" NPT	265	1.500	1.596"	7.29"	C.F.	C.F.	250	60	DUCTILE IRON	DUCTILE IRON	5308
4609	4.60"	15	150	40 mm	4" NPT	260	1.500	1.596"	7.29"	C.F.	C.F.	250	60	DUCTILE IRON	DUCTILE IRON	5308
4612	4.60"	15	150	40 mm	6" FLG	255	1.500	2.188"	9.76"	C.F.	C.F.	250	60	DUCTILE IRON	DUCTILE IRON	5308
6012	6.00"	15	150	55 mm	6" FLG	280	1.562	2.188"	9.76"	C.F.	N/A	350	120	DUCTILE IRON	DUCTILE IRON	5308
6016		8" FLG			280	2.000										
6024		10" FLG			230	2.000										
Qx																
3203	3.25"	18	150	35 mm	2" FLG	325	1.375"	35 mm	4.94"	0.27	0.27	500	320	DUCTILE IRON	DUCTILE IRON	5307
3205		3" FLG			325	0.41	0.40									
3208		4" FLG			325	0.63	0.61									
4606	4.63"	18	150	50 mm	4" FLG	325	1.875"	50 mm	7.00"	1.93	1.86	800	500	DUCTILE IRON	DUCTILE IRON	5310
4610		6" FLG			325	3.12	3.00									
6009	6.00"	18	150	65 mm	8" FLG	325	2.125"	65 mm	9.11"	8.23	7.93	1200	750	DUCTILE IRON	DUCTILE IRON	5313
6015		8" FLG			325	12.87	12.87									

C.F. = consult factory for data

* PD Plus Models 4009-46, 5507-46, 5509-46 and 5511-46 are available with premium pressure option to allow operating pressure of up to 18 PSIG.

** Higher operating pressures are available with gastight units, consult factory.