

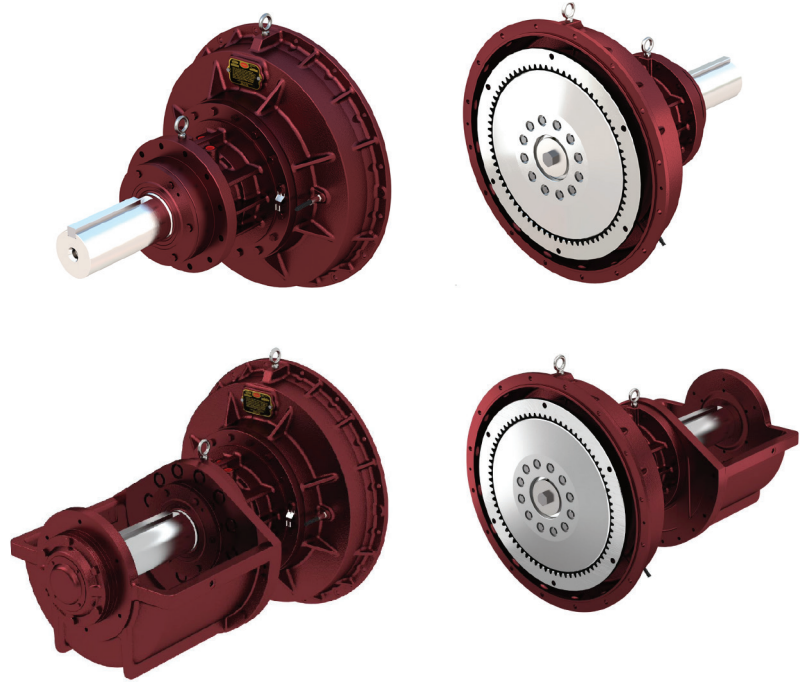
Standard RC PTO

RC218 • RC318

The RC is a series of hydraulically-actuated, dry-clutch power take-offs. A key design feature allows for installation in applications where the PTO may otherwise be difficult to service. An advanced control system can be used for “soft-starting” large inertia loads.

FEATURES

- Hydraulically actuated
- Self-adjusting clutch
- Oil-lubricated, tapered roller main bearings
- No pilot bearing required
- Advanced controls for high inertia loads
- Optional sintered iron and composite plates
- Suitable for side load and in-line applications
- Hydraulic valve & display options
- Clutch wear detection



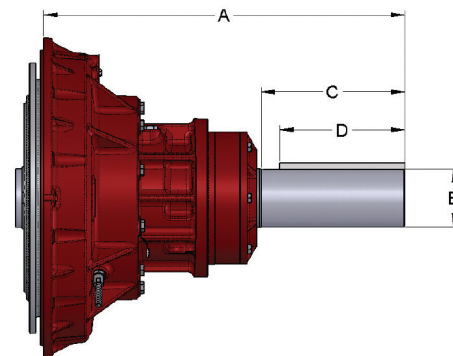
SPECIFICATIONS – RC218 & RC318

Model Number	SAE Housing	Max. Input Torque Nm (lb-ft)		Clutch Maximum Power Rating kW (hp)			Maximum Safe Speed rpm		Weight kg (lbs)
		Organic	Sintered	Class II	Class III	Class IV	Solid Plates	Split Plates	
		Class I					Nodular Drive Ring		
RC218	#0	5,423 (4,000)	6,779 (5,000)	464 (622)	309 (415)	232 (311)	2,350	2,100	324 (714)
RC318	#0	8,134 (6,000)	10,168 (7,500)	696 (933)	464 (622)	348 (467)			370 (816)

DIMENSIONS – RC218P & RC318P

	RC218P	RC318P
SAE J617 Housing Size	#0	
SAE J620 Clutch Size	18"	
“A”	684.5 (26.95)	719.5 (28.33)
“B”	114.3 (4.50)	
“C”	254.0 (10.00)	
“D”	203.2 (8.00)	

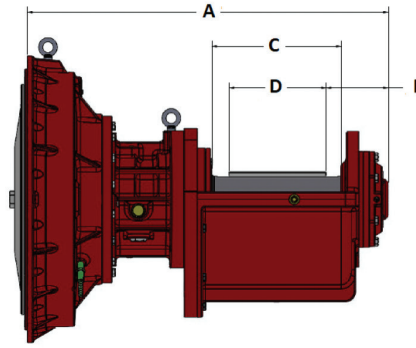
Dimensions are in mm [in]



DIMENSIONS – RC218SB & RC318SB

	RC218SB	RC318SB
SAE J617 Housing Size	#0	
SAE J620 Clutch Size	18"	
"A"	863.1 (33.9)	898.1 (35.36)
"B"	151.3 (6.08)	
"C"	321.8 (12.67)	
"D"	241.3 (9.50)	

Dimensions are in mm [in]



RC218P & RC318P ALLOWABLE SIDE LOAD (LBS)

RPM	X Distance (mm)										
	0	25.4	50.8	76.2	101.6	127.0	152.4	177.8	203.2	228.6	254.0
1000	14094	12648	11472	10495	8985	7790	6875	6153	5568	5085	4679
1200	13343	11975	10861	9937	8506	7375	6509	5826	5272	4814	4430
1800	11815	10603	9617	8799	7532	6530	5764	5158	4668	4263	3922
2400	10838	9727	8822	8071	6909	5990	5287	4732	4282	3910	3598

RC218SB & RC318SB ALLOWABLE SIDE LOAD (LBS)

RPM	X Distance (mm)												
	0	25.4	50.8	76.2	101.6	127.0	152.4	177.8	203.2	228.6	254.0	279.3	304.8
1000	23207	24913	26888	29205	31957	31184	27524	24633	22291	20356	18730	17345	16150
1200	21972	23587	25457	27650	30256	29524	26059	23322	21105	19273	17733	16422	15291
1800	19455	20885	22542	24483	26791	26143	23074	20650	18687	17065	15702	14541	13539
2400	17847	19158	20678	22459	24576	23981	21166	18943	17142	15654	14404	13338	12420

RC CONTROL MODULE/TDEC-600

- Microprocessor based
- 12/24VDC
- J1939 capable
- Enabled via engage/disengage switch or J1939 command
- LED flashes system status
- Monitoring of engine & output speed to protect engine and clutch during engagement
- IP rating: 67
- DC fan control for heat exchanger
- New color display



Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in our catalog. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing conditions. It is the responsibility of users (and not Twin Disc, Incorporated) to provide and install guards or safety devices which may be required by recognized safety standards or by the Occupational Safety and Health Act of 1970 and its subsequent provisions.

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