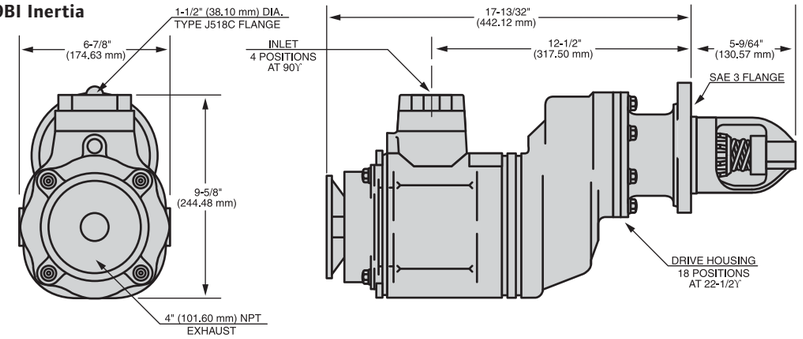
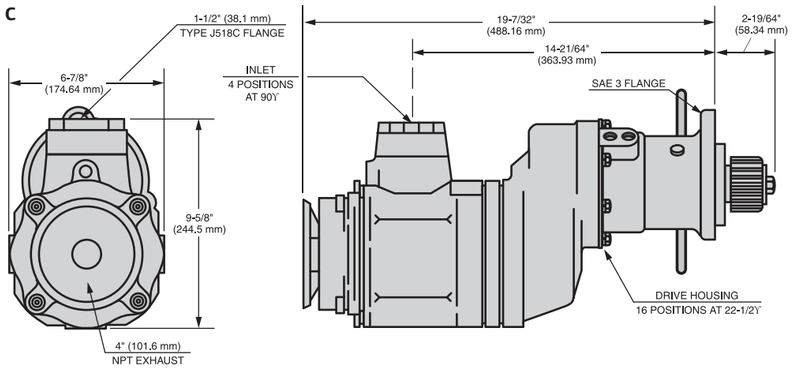
Dimensions

ST750/ST799GBI & ST950/ST999BI Inertia Weight:
ST750/ST799GBI 62 lbs (28.1 kg)
ST950/ST999BI 62 lbs (28.1 kg)

Note: All dimensions shown are for reference only. Specifications subject to change without notice.

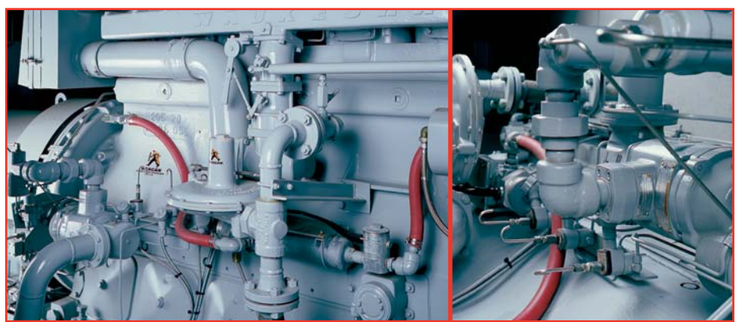


ST750/ST799 & ST950/ST999 B & C Ratio Pre-engaged Weight:
ST750/ST799GBPD 63 lbs (28.6 kg)
ST950/ST999BP 63 lbs (28.6 kg)





The ST999BP03R31 starter is ready for use on a Cat 3608 engine.



The ST799GCDP03R31 starter is piped for use with gas on a Waukesha F3521GU used for power generation.

Performance Information

Pressure PSI (bar)	Breakaway Torque ft-lb (Nm)	Speed @ Max HP RPM	Max Power HP (kw)	Flow @ Max HP SCFM (L/s)
ST750/ST950 B Ratio (Inertia & Pre-engaged)				
90 (6.2)	160 (217)	1950	30 (22)	850 (401)
120 (8.3)	225 (305)	2100	45 (34)	1100 (519)
150 (10.3)	250 (339)	2350	55 (41)	1300 (614)
ST799/ST999 B (Inertia & Pre-engaged)				
30 (2.1)	110 (149)	1750	18 (13)	700 (330)
60 (4.1)	195 (264)	1950	36 (27)	1200 (566)
90 (6.2)	310 (420)	2250	66 (49)	1700 (802)
ST750/ST950 C Ratio (Pre-engaged)				
90 (6.2)	190 (257)	1675	30 (22)	850 (401)
120 (8.3)	260 (352)	1800	45 (34)	1100 (519)
150 (10.3)	285 (386)	2000	55 (41)	1300 (614)
ST799/ST999 C Ratio (Pre-engaged)				
30 (2.1)	130 (175)	1500	18 (13)	700 (330)
60 (4.1)	225 (305)	1630	36 (27)	1200 (566)
90 (6.2)	360 (485)	1935	66 (49)	1700 (802)

Model Coding

ST700

ST7 50 G B D P 03 R 31 - 2 P

- TURBINE STARTER SERIES
- PERCENT ARC
- GAS SEALED
- GEAR RATIO: B=2.18-1 C=2.53-1
- TYPE GEAR CASE
- ENGAGEMENT TYPE: I=INERTIA P=PRE-ENGAGED
- SAE FLANGE
- ROTATION
- TYPE PINION
- INLET
- ORIENTATION CODE W/O EXHAUST ELBOW
- DRIVE HOUSING

ST900

ST9 50 B P 03 R 31 - 0 2 G

- TURBINE STARTER SERIES
- PERCENT ARC
- GEAR RATIO: B=2.18-1 C=2.53-1
- ENGAGEMENT TYPE: I=INERTIA P=PRE-ENGAGED
- SAE FLANGE
- ROTATION
- PINION
- INLET
- EXHAUST
- ORIENTATION CODE W/EXHAUST ELBOW
- DRIVE HOUSING

For non-standard positions order orientation "-POS"

Ingersoll Rand

Parts and Accessories

	IR Part #	Description
	150BMP-1051B	1/4" 12 V Solenoid Valve
	150BMP-2451B	1/4" 24 V Solenoid Valve
	SMB-G618	Gas Rated Push Button Valve
	SMB-618	Push Button Valve
	SRV150	1-1/2" Relay Valve for Air
	SRV150SS	1-1/2" Gas Rated Relay Valve
	150BMP-1058	Gladhand

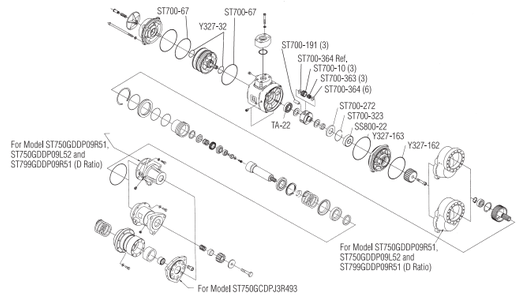
	IR Part #	Description
	150BMP-1064	1/8", 150 psi Pressure Gauge
	ST900-267-24	1-1/2" Strainer (300 Mesh)
	ST900-267-32	2" Strainer (300 Mesh)
	ST900-266-24	1-1/2" Strainer Element (300 Mesh)
	ST900-266-32	2" Strainer Element (300 Mesh)
	150BMP-1056	1/2" Check Valve
	150BMP-1067	1/2" Drain Valve

Genuine Ingersoll Rand Replacement Kits

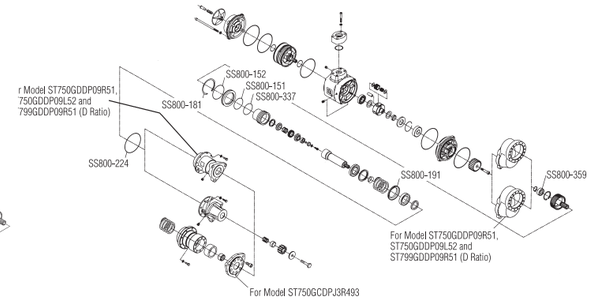
Tune Up Kit Part Number	Description
ST700-TK1	ST700 Starter Tune Up Kit
ST700I-TK6	ST700 Inertia Front End Tune Up Kit
ST700P-TK7	ST700 Pre-Engaged Front End Tune Up Kit
ST700D-TK8	ST700 and ST900 D Ratio Kit (4 O-Rings, 1 Retainer Ring)
ST750R-TK2	ST700-TK1 and ST750R-A53 Motor Assembly for RH ST750 Starters

Tune Up Kit Part Number	Description
ST750L-TK3	ST700-TK1 and ST750L-A53 motor assembly for LH ST750 starters
ST799R-TK4	ST700-TK1 and ST799R-A53 motor assembly for RH ST799 starters
ST799L-TK5	ST700-TK1 and ST799L-A53 motor assembly for LH ST799 starters
ST900-GK1	ST900 Gear Kit
ST900-SK1	ST900 Seal Kit

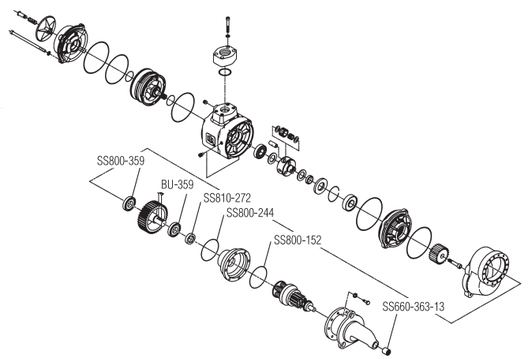
Parts



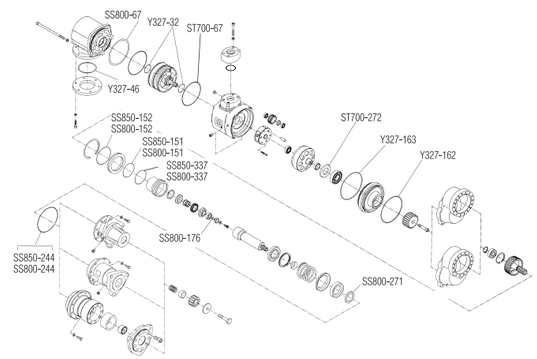
Exploded View of ST700-TK1 Part Location



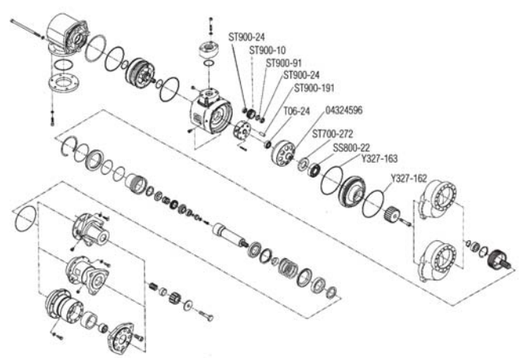
Exploded View of ST700P-TK7 Part Location



Exploded View of ST700I-TK6 Part Location



Exploded View of ST900-SK1 Part Location



Exploded View of ST900-GK1 Part Location



ST700-TK1 Parts



ST700P-TK7 Parts