









TURBINE STARTERS

Performance • Reliability • Quality

PRQ 22 Turbine Air Starters (P/N's: 55-33xxx - 55-37xxx) PRQ 200 Turbine Air Starters (P/N's: 55-40xxx - 55-42xxx)

Conforms with the relavant standards or other standardizing documents:

Safety of Machinery – Electrical Equipment of Machine Part 1 General Requirements

EN ISO 12100-2:2003

Basic Concepts, General Principals for Design Part 2 Technical Principals

ISO 14121-1:2008

Safety of Machinery - Risk Assessment Part 1

According to the regulations in: Machinery Directive 2006/42/EC

Engineered Strong for Land or Sea

STARTS DIESEL ENGINES TO 1,300 CID (22 LITERS) GAS ENGINE TO 2,600 CID (44 LITERS)



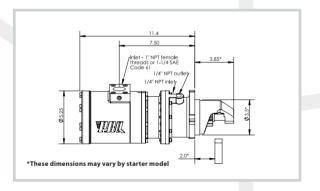


Pre-Engaged Pinion Drive



PRQ 22p

- Pre-engaged pinion
- Forward bearing for a rigid drive shaft



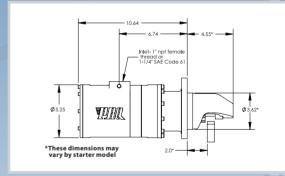


Inertia Drive

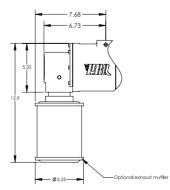


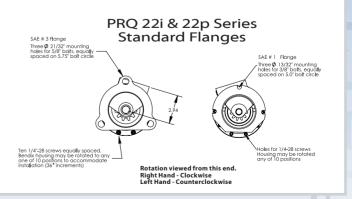
PRQ 22i

- Simple and rugged
- · Wide selection of flanges and drives available











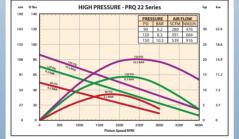
TURBINE STARTERS



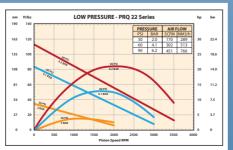
FEATURES

- Lightweight 26 lbs.- 12 kg
- Aluminum and steel construction -No plastic parts
- Lubed for Life gear case and bearings
- All models Gas Sealed
- Clean No lube in airstream required
 No fugitive emissions
- Models to start diesel engines up to 22 liter (44 liter gas)





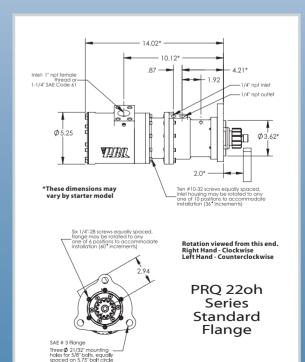




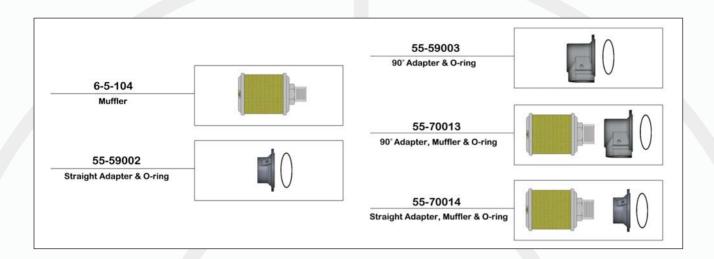
Overhung Pre-Engaged Drive

PRQ 220h

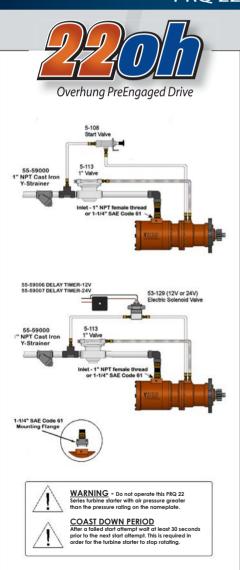
- Fits engines with bell housings that will not accommodate conventional nose cones
- Pinion and flanges available for popular metric engines

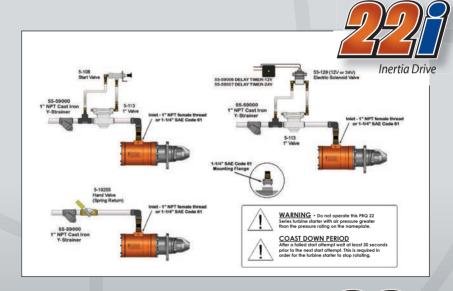


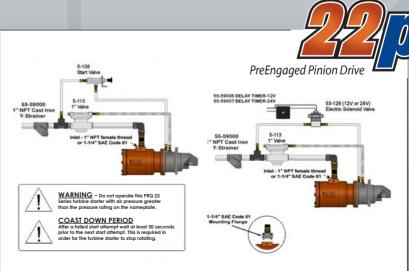
PRQ 22 SERIES MUFFLER & ADAPTER GUIDE



PRQ 22 SERIES TURBINE STARTER







STARTS DIESEL ENGINES TO 12,000 CID (200 LITERS) GAS ENGINE TO 24,000 CID (400 LITERS)





Inertia Drive Starters

An inertia drive uses the rotation of the starter to force the pinion gear up an acme thread to index and engage the ring gear of the engine. A clutch built into the starter drive prevents damage to the ring gear or drive pinion.

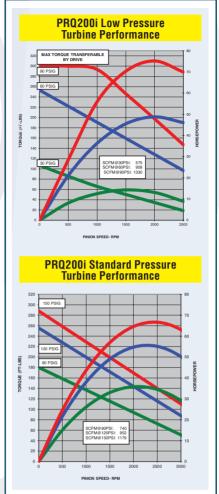
DIRECT INTERCHANGEABILITY WITH COMPETITIVE MODELS

PRQ 200i

can easily replace competitive starters with no plumbing modifications required.

Talk to your PRQ representative for all of the details.









Compact stainless steel muffler.



TURBINE STARTERS

FEATURE

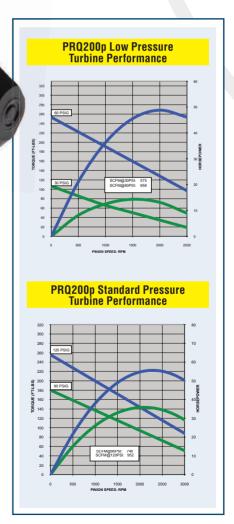
- Aerodynamic speed control prevents gear box burn out
- Grease-packed gears and bearings good for the life of the starter
- No air stream lubrication required
- No fugitive exhaust emissions. Keeps equipment cleaner
- Standard and low pressure models available
- Resists damage from air/gas contamination
- Direct interchangeability with some competitive starters



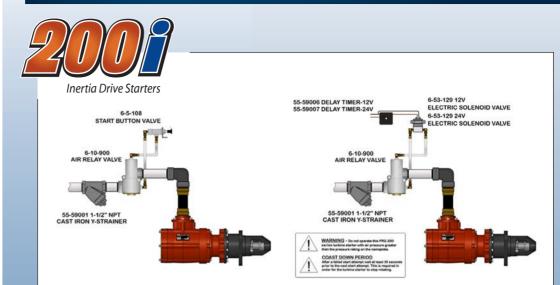


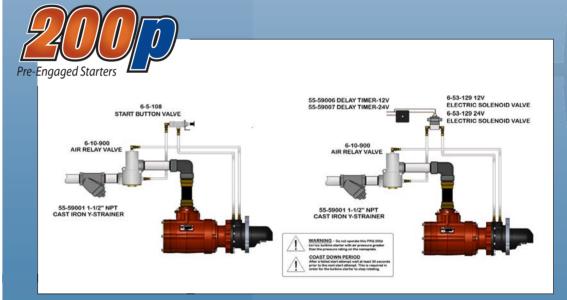
Pre-Engaged Starters

Pre-engaged models use an air operated piston to index the starter's pinion gear into the engine's ring gear. Only after full engagement is any rotation force applied. This pre-engagement prevents any shock load from damaging the starter's pinion gear or the flywheel.



PRQ 200 SERIES TYPICAL AIR INSTALLATIONS





PRQ 200 SERIES TURBINE STARTER MUFFLER, FLAPPER & ADAPTER GUIDE

55-59013 Muffler



55-59010 Straight Adapter & O-Ring





55-59012 Flapper Valve



55-59011 90° Adapter & O-Ring





Adapters & Flapper - 4" NPT



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PRQ 200 Turbine Repair Kits

Major Service Kit*	
55-70019	RH Low-Major Turbine Service Kit
55-70020	RH Std-Major Turbine Service Kit
55-70021	LH Low-Major Turbine Service Kit
55-70022	LH Std-Major Turbine Service Kit
55-70028	Inertia Major Gear Service Kit
55-70029	Pre-Engaged Major Gear Service Kit

Motor Service Kit*	
55-70023	RH Low-Turbine Service Kit
55-70024	RH Std-Turbine Service Kit
55-70025	LH Low-Turbine Service Kit
55-70026	LH Std-Turbine Service Kit
55-70030	Pre-Engaged / Inertia Gear Service Kit

Hardware Only Kits		
55-70027	Turbine Motor Hardware Kit	
55-70031	Pre-Engaged Hardware Kit	

PRQ 200 Exhaust Adaptors & Muffler

55-59013	Muffler
55-59012	Flapper Valve
55-59010	Straight Adapter
55-59011	90° Adapter



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Accessories

Valves	
6-5-108G	Gas Rated Push Button Pilot Valve
55-59004	Shuttle Valve (Air Only)
55-59005	Quick Exhaust Valve (Air Only)
55-59008	Explosion Proof Solenoid Valve (12V)
55-59009	Explosion Proof Solenoid Valve (24V)
6-5-108	Push Button Pilot Valve
5-19205	1" Quick Opening Hand Valve
6-5-113	1" NPR Air Relay Valve
6-10-900	1 1/2" NPR Air Relay Valve
6-53-129 12V	12V Solenoid Valve (Air)
6-53-129 24V	24V Solenoid Valve (Air)

Inlet Air Strainer	
55-59000	1" - 40 Micron Strainer
55-59001	1 1/2" - 40 Micron Strainer

Miscellaneous Accessories		
55-59006	Delay Timer (12V) (Air Only)	
55-59007	Delay Timer (24V) (Air Only)	



PRQ 22 Turbine Repair Kits

Major Service Kit*	
55-70005	High - Major Turbine Service Kit
55-70006	Std-Major Turbine Service Kit
55-70007	Low-Major Turbine Service Kit
55-70009	Inertia Major Gear Service Kit
55-70010	Overhung Major Gear Service Kit

Motor Service Kit*	
55-70002	High-Turbine Service Kit
55-70003	Std-Turbine Service Kit
55-70004	Low-Turbine Service Kit
55-70008	Inertia and Overhung Gear Service Kit

Hardware Only Kits	
55-70011	Turbine Motor Hardware Kit
55-70012	Overhung/Pre-engaged Hardware Kit

PRQ 22 Exhaust Adaptors & Muffler

55-59002	Straight Exhaust Adapter
55-59003	90° Exhaust Adapter
6-5-104	Muffler
6-6-012	Close Nipple
55-29010	2" Flapper Valve

*Require Special Tools

Dealer Imprint:

