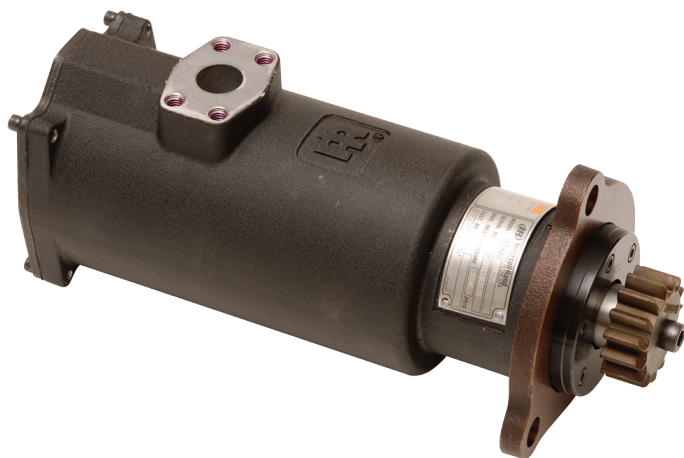


TURBINE STARTERS

ST400 SERIES



FEATURES/BENEFITS

- Efficient 26 HP turbine motor uses no external lubrication
- One-hose hookup simplifies required piping
- In-line design weighs only 23 lbs (10.4 kg)
- Sealed grease fill lubrication for gears and bearings provides maintenance-free operation

VERSATILE

- Removable mounting flange can be rotated 360 degrees for greater mounting flexibility
- Compact, lightweight design makes installation easy
- Overhung pinion design fits most worldwide manufacturers' engines
- 60-150 psi (4.1-10.3 bars) operation

MODEL CODING

ST400 I C 03 R 31			
ST400 - 44% ARC (Max. 150 PSI) ST455 - 55% ARC (Max. 120 PSI) ST499 - 99% ARC (Max. 90 PSI)	I - 1" NPT No Letter - Sales Split Flange	C - Gear Ratio	Pinion Code
			R - Right Hand L - Left Hand
			01 - SAE 1 Flange 03 - SAE 3 Flange



For engine displacement of:

Diesel—300 to 3600 CID
(5 to 60 liters)

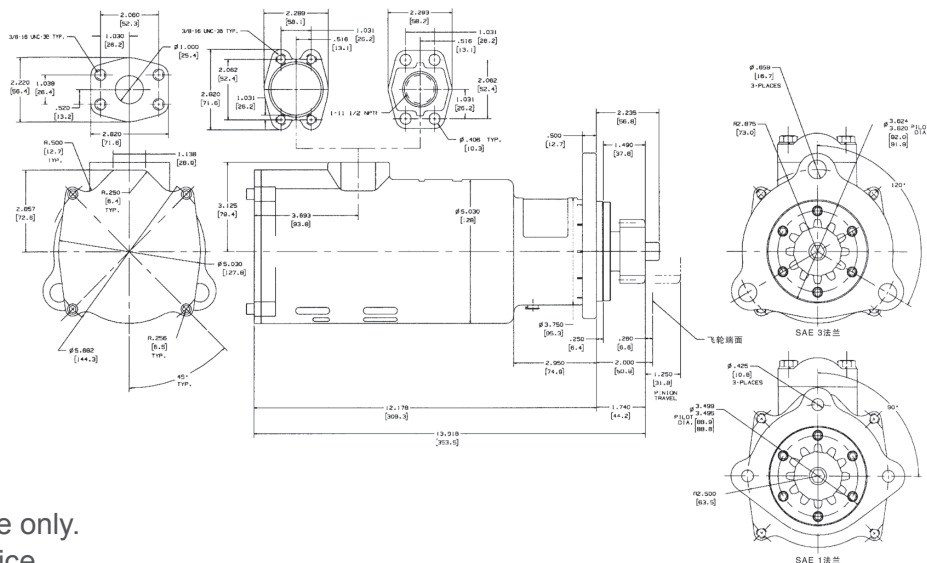
INDUSTRY APPLICATIONS



Marine



Power generation



DIMENSIONS

Weight: 23 lbs (10.4 kg)

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

TURBINE STARTERS

PERFORMANCE INFORMATION

Pressure psi (bar)	Breakaway Torque ft-lb (Nm)	Speed @ Max HP rpm	Max Power HP (kW)	Flow @ Max HP scfm (L/s)
ST400 – 44% ARC				
90 (6.2)	90 (122)	1500	14 (10)	430 (203)
120 (8.3)	120 (163)	1650	19 (14)	600 (284)
150 (10.3)	150 (203)	1650	25 (19)	750 (354)
ST455 – 55% ARC				
60 (4.1)	80 (109)	1400	10 (7)	23 (17)
90 (6.2)	135 (183)	1450	18 (13)	650 (307)
120 (8.3)	185 (251)	1500	23 (17)	780 (368)
ST499 – 99% ARC				
60 (4.1)	115 (156)	1600	14 (10)	550 (260)
90 (6.2)	185 (251)	1650	26 (19)	765 (361)

PARTS AND ACCESSORIES

	Part Number	Description
	150BMP-1051B	1/4" 12 V Solenoid Valve
	150BMP-2451B	1/4" 24 V Solenoid Valve
	SMB-618	Push Button Valve
	SRV125F	1 1/4" Relay/Solenoid Valve
	SRV125T	1 1/4" Relay Valve for Transit Aftermarket
	SRV125	1 1/4" Relay Valve for Stationary Air
	SRV150	1 1/2" Relay Valve
	ST400-K17	1" NPT Flange Kit
	ST400-16	SAE J518 Split Flange

GENUINE INGERSOLL RAND REPLACEMENT KITS

Tune Up Kit Part Number	Description
LINER ASSEMBLY	
ST400-A41R	Standard Arc Right Hand
ST400-A41L	Standard Arc Left Hand
ST455-A41R	55% Arc Right Hand
ST455-A41L	55% Arc Left Hand
ST499-A41R	Full Arc Right Hand
ST499-A41L	Full Arc Left H

*For complete filter (strainer + housing), please order ref ST900-267/150-HP