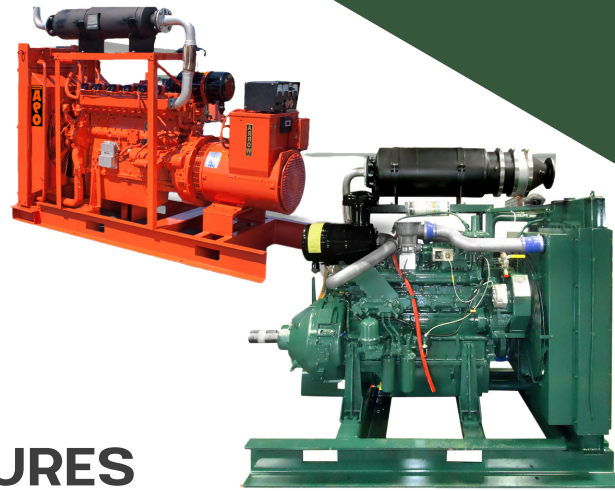


SES90TA GENSET & POWER UNIT



SES90TA RATINGS		kW
Standby Power	1800 rpm	109
	1500 rpm	105
Prime Power	1800 rpm	100
	1500 rpm	95

Note: kW rated with 1000 BTU Fuel.
Rated 3-phase 480 volts.

APPLICATIONS

- Prime power for facilities
- Backup power
- Emergency power
- Electricity for remote locations
- Compressor power
- Irrigation power
- Hydraulics power

FEATURES

- Engine, generator, and radiator, are mounted and aligned on a channel steel base suitable for lifting.
- Standard front mount radiator with pusher fan. For other options and details consult Arrow Engine.
- Control Panel: generator mounted. NEMA 1 for general indoor use. 3.5" panel type 2% accuracy, voltmeter, ammeter, frequency meter, hourmeter and combination voltmeter/ammeter switch. Engine instruments and controls rear-mounted for easy accessibility.
- Generator: direct connected, fan-cooled, A.C. revolving field type, single bearing generator, with brushless exciter and damper windings. Twelve lead broad range voltage, reconnectable, 60HZ/50HZ. Insulation material Nema class H to F temperature rise within Nema (105°C) for prime power duty, within Nema (130°C) for continuous standby duty. All generators are rated at 0.8 power factor, are mounted on the engine flywheel housing, and have multiple steel disc flexible coupling drive.

POWER RATINGS

PEAK INTERMITTENT TORQUE @RPM (FT/LBS): 376 @1200

BHP	1000	1200	1400	1600	1800
Intermittent	82.0	116.0	140.0	160.0	167
Continuous	73	100	127	145	151

NOTE: HORSEPOWER RATED AS POWER UNIT WITH 9.0:1 COMPRESSION RATIO



ENGINES

SES90TA GENSET & POWER UNIT

SPECIFICATIONS

CONFIGURATION	4-STROKE	6- CYLINDER (INLINE)
BORE X STROKE	118 X 135 MM	4.65 X 5.32 IN
ENGINE DISPLACEMENT	8.8 L	537 CUBIC IN
COMPRESSION RATIO	9.0:1	
NUMBER OF TEETH ON FLYWHEEL	150	
FIRING ORDER	1-5-3-6-2-4	
NATURAL GAS FUEL PRESSURE REQUIREMENTS	7.5-8 PSI MAX	
ROTATION	COUNTERCLOCKWISE (FACING THE FLYWHEEL)	
ASPIRATION	TURBOCHARGED AFTERCOOLED (TA)	
AIR FILTER	DRY	
BATTERY CHARGING SYSTEM	12V	63 AMP
RATED POWER MAX OUTPUT WITH FAN AT 1800 RPM	165BHP	
CONTINUOUS POWER RATING WITH FAN AT 1800 RPM	150BHP	
GOVERNOR TYPE	ELECTRIC 3% REGULATION STANDARD	
FLYWHEEL HOUSING SIZE	SAE 1	
OIL CHANGE CAPACITY WITH FILTERS	22 QUARTS	
COOLANT CAPACITY WITH RADIATOR	13.5 GALLONS	50/50 COOLANT MIX
COMPLETE GENERATOR DRY WEIGHT WITH RADIATOR	3750LBS	
EMISSIONS	CERTIFIABLE WITH AFR CONTROL SYSTEM AND CATALYST OPTION	
REMOVABLE WET LINERS		
OIL COOLER		
LIQUID COOLED EXHAUST MANIFOLD		
OIL COOLED PISTONS		
OPTIONAL AFR CONTROLS		

RADIATOR AND FAN STANDARDS

*Available with a range of design options, whether you are simply looking for a particular color scheme or require certification
All products come in the standard color sandstone

SES ARROW MANUFACTURING

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