



# **ALTERNATOR DETAIL**

#### **DESIGN**:

Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation

# **REGULATION**:

(+/-) 5% voltage regulation from nameplate rating

# **WAVEFORM**:

Harmonic distortion limited to 7%

#### **INSULATION**:

Class H, 200 degree F, slot insulation, varnish and copper windings.

#### PF:

1.0 (unity) for single-phase units

# HYDRAULIC SYSTEM

#### TYPE OF OIL:

Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent

# VISCOSITY

Optimum operating viscosity is ISO 46 for best performance in all conditions

#### CAPACITY:

The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications

# HYDRAULIC PUMP

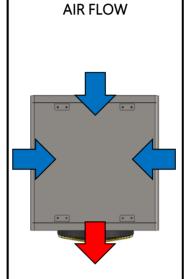
MIN INPUT: 980 rpm
MAX INPUT: 3300 rpm
DISPLACEMENT: 45cc
MAX TEMP: 200 Degrees F
MIN TEMP: -15 Degrees F

WEIGHT: 42 lb

MAX TORQUE: 132 lbft

SHAFT: SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed

MAX PRESSURE: 4,000 psi MAX VACUUM: 10.0 inHg



	3.0 kW		-				Reservoir
Length	18.50						6.0
Width	17.63						14.6
Height	17.0						14.1
Weight	108						20
Max Kw	3.0						
HP Required	7						
AMP/120 VAC	25						
AMP/240 VAC	N/A						
Max PSI	1500						
Oil Viscosity	ISO 46						
Reservoir GAL							2.5
Flow Rate GPM	8						
Alt Speed RPM	3600						