

STANDBY GENERATOR

60 kW

LIQUID-COOLED GENERATOR SET

Standby Power Rating Model HT060 - 60 kW 60Hz



INCLUDES

- PrecisionPower[™] Electrical Technology
- Two Line LCD Tri-lingual Digital Sync Controller
- Electronic Governor
- Closed Coolant Recovery System
- Flexible Fuel Line Connector
- UV/OzoneResistant Hoses

- Sound Attenuated Aluminum Enclosure
- Emissions Compliant
- Natural Gas or LP Gas Operation
- 2 Year Limited Warranty
- UL 2200 Listed

Not for resale in CA/MA

FEATURES

O INNOVATIVE DESIGN & PROTOTYPE TESTING are key components of our success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose Honeywell generators with the confidence that these systems will provide superior performance.

O TEST CRITERIA

- PROTOTYPE TESTED
- SYSTEM TORSIONAL TESTED
- ◆ NEMA MG1-22 EVALUATION
- MOTOR STARTING ABILITY

- PrecisionPower™ ELECTRICAL TECHNOLOGY Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC.
- O SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION This state-of-the-art power maximizing regulation system is standard on all Honeywell models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. An unequalled ±1% voltage regulation.
- O SINGLE SOURCE SERVICE
 RESPONSE from our extensive
 dealer network provides parts and
 service know-how for the entire
 unit, from the engine to the smallest
 electronic component.
- Honeywell TRANSFER SWITCHES
 The Honeywell generator line offers its own transfer systems and controls for total system compatibility.

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Application & Engineering Data

GENERATOR SPECIFICATIONS Synchronous Rotor Insulation Class H Class H · Stator Insulation • Telephone Interference Factor (TIF) < 50 • Alternator Output Leads Phase 3 4 wire · Bearings Sealed Ball Coupling Flexible Disc · Load Capacity (Standby Rating) 60 kW Direct · Excitation System

ENGINE SPECIFICATIONS		
• Make	Generac	
 Model 	In Line	
 Cylinders 	4	
 Displacement 	2.4 Liter	
• Bore	3.41	
Stroke	3.94	
Compression Ratio	8.5:1	
Intake Air System	Turbcharged/Aftercooled	
Valve Seats	Hardened	
Lifter Type	Hydraulic	

GOVERNOR SPECIFICATIONS				
Type Frequency Regulation		Electronic Isochronous		
Steady State Regulation		± 0.25%		
Adjustments For	Speed	Yes		
	Droop	Yes		

VOLTAGE REGULATION				
• Type	Electronic			
Sensing	Single Phase			
Regulation	± 1%			

GENERATOR FEATURES

- Revolving field heavy duty generator
- Directly connected to the engine
- Operating temperature rise 120 °C above a 40 °C ambient
- Insulation is Class H rated at 150 °C rise
- All models are fully prototyped tested

ENGINE LUBRICATION SYSTEM				
Oil Pump	Gear			
Oil Filter	Full flow spin-on cartridge			
Crankcase	4 Quarts			

ENGINE COOLING SYSTEM			
• Type	Pressurized Closed		
Water Pump	Belt driven		
Fan Speed	2100		
Fan Diameter	22 inches		
• Fan Mode	Puller		

FUEL SYSTEM	
Fuel Type	Natural gas, propane vapor
Carburetor	Down Draft
Secondary Fuel Regulator	Standard
Fuel Shut Off Solenoid	Standard
Operating Fuel Pressure	5" - 14" H ₂ 0

ELECTRICAL SYSTEM				
Battery Charge Alternator	12V 30 Amp			
Static Battery Charger	2 Amp			
Recommended Battery	Group 26, 525CCA			
System Voltage	12 Volts			

ENCLOSURE FEATURES

- Galvanized steel weather protective enclosure Ensures protection against mother nature. Electrostatically applied textured epoxy paint for added durability.
- Enclosed critical grade muffler Quiet, critical grade muffler is mounted inside the unit to prevent injuries.
- Small, compact, attractive Makes for an easy, eye appealing installation.
- SAE Sound attenuated eclosure ensures quiet operation.

Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). (All ratings in accordance with BS5514, ISO3046, ISO8528, SAE J1349 and DIN6271).

Operating Data

KW RATING (LP/NG)			60	0/60	
ENGINE SIZE		2.4 Liter 4 cyl. inline			
GENERATOR OUTPUT VOLTAGE/KW - 60Hz		kW LPG	AMP	CB :	Size
120/240V, 1-phase, 1.0 pf		60	250	30	00
120/208V, 3-phase, 0.8 pf		60	208	25	50
120/240V, 3-phase, 0.8 pf		60	180	20	00
277/480V, 3-phase, 0.8 pf		60	90	10	00
ENGINE FUEL CONSUMPTION (Natural Gas) (Propane)	Natura (ft ³ /		Prop (gal/hr.)	oane cu ft/hr
Exercise cycle		12	23	1.34	49.3
25% of rated load		26	37	2.7	101
50% of rated load		48	33	5.0	183
75% of rated load		67	2	7.0	255
100% of rated load*		86	32	9.0	327
For Btu content, multiply ft ^s /hr x 2520 (LP) or ft ^s /hr x 1000 (NG)					
ENGINE COOLING					
Air flow (inlet air including alternator and combustion air)	ft ³ /min.		3,	,280	
System coolant capacity	US gal.		:	2.5	
Heat rejection to coolant	BTU/hr.		270	0,000	
Max. operating air temp. on radiator	°C (°F)		60	(150)	
Max. ambient temperature	°C (°F)		50	(140)	
COMBUSTION AIR REQUIREMENTS					
Flow at rated power 60 Hz	cfm			180	
SOUND EMISSIONS IN DBA					
Exercising at 7 meters				65	
Normal operation at 7 meters				72	
EXHAUST					
Exhaust flow at rated output 60 Hz	cfm		4	194	
Exhaust temp. at muffler outlet	°F		1,	,050	
ENGINE PARAMETERS					
Rated synchronous RPM	60 Hz		3	600	·
POWER ADJUSTMENT FOR AMBIENT CON	DIIONS				
	10 °C above - °C 10 °F above - °F			25 77	
	100 m above - m 000 ft. above - ft.			915 000	

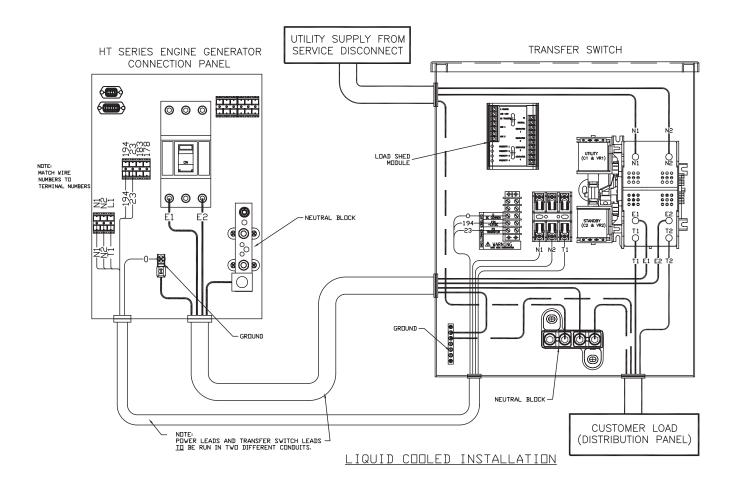
Refer to "Emissions Data Sheets" for maximum fuel flow for EPA and SCAQMD permitting purposes.

RATING: All three phases units are rated at 0.8 power factor. All single phase units are rated at 1.0 power factor. STANDBY RATING: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046-1. Design and specifications are subject to change without notice.

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LIQUID-COOLED GENERATOR SETS

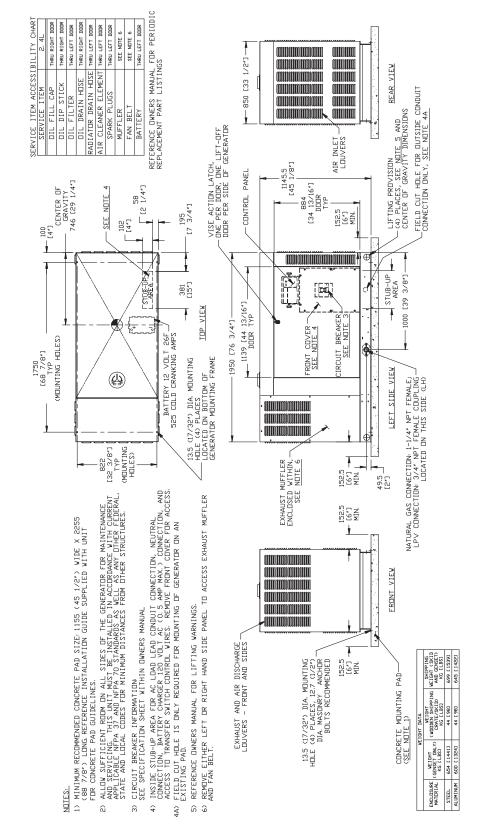
Interconnections



CONTROL FEATURES			
2-Line Plain Text LCD Display Mode Switch	Simple user interface for ease of operation	Automatic Low Oil Pressure Shutdown	Standard
-Auto -Off -Manual/Test (start)	Automatic Start on Utility failure. 7 day exerciser Stops unit. Power is removed. Control and charger still operate. Start with starter control, unit stays on. If	 Overspeed Shutdown High Temperature Shutdown Overcrank Protection Safety Fused Failure to Transfer Protectio 	Standard Standard Standard Standard
Programmable start delay between 10-30 seconds Engine Start Sequence	utility fails, transfer to load takes place. Standard Cyclic cranking: 16 sec. on, 7 rest (90 sec.	Low Battery Protection50 Event Run LogFuture Set Capable Exerciser	Standard Standard Standard
Engine Warm-up Engine Cool-Down Starter Lock-out	maximum duration) 5 seconds 1 minute Starter cannot re-engage until 5 sec. after	 Incorrect Wiring Protection Internal Fault Protection Common External Fault Capability Governor Failure Protection 	Standard Standard Standard Standard
Smart Battery Charger Automatic Voltage Regulation with Over and Under Voltage Protection	engine has stopped. Standard Standard	- Governor railure i Totebuori	Out ideld

Single and three phase connections may vary , refer to the owner's manual for specific connection information.

Installation Layout



AVAILABLE ACCESSORIES

Model #	Product	Discription
5630	Cold Weather Kit	If the temperature regularly falls below 32° F, install a cold weather kit to maintain optimal battery temperature. Kit consists of battery warmer with thermostat built into the wrap.
5616	Extreme Cold Weather Kit	Recommended where the temperature regularly falls below 32° F for extended periods of time. For liquid-cooled units only.
5984	Scheduled Maintenance Kit	The Liquid-Cooled Scheduled Maintenance Kits offer all the hardware necessary to perform a complete maintenance on Honeywell liquid-cooled generators.
5951	Sync Wireless Remote	Remotely control generator functions with the advanced model's LED display. In addition to remote testing of the generator, set the excercise cycle and maintenance interval reminders
6160	Paint Kit	Industrial Grey

S45 W29290 Hwy. 59 Waukesha, WI 53187 Tel: 1-855-GEN-INFO honeywellgenerators.com 0191010SBY-B May 2011 © Generac Power Systems, Inc. All rights reserved. Specifications subject to change without notice.

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