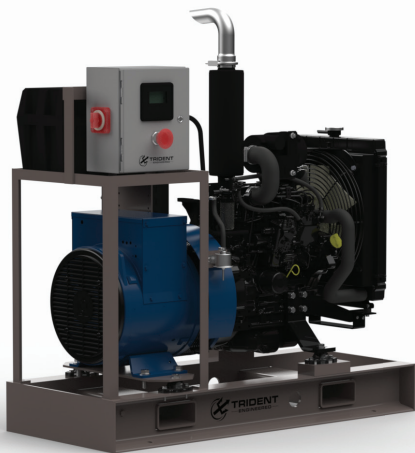




# DESIGNED AND BUILT FOR YOUR OUT-OF-THE-WAY HOME



## FEATURES:

- Tier 4 Final Power Unit for Prime Power applications
- Power Output, Hour Meter, Engine Speed and Fault Information available from controller screen
- Battery Disconnect Switch
- E-Stop
- 4-Point vibration isolator mounting
- Fork Pockets for lifting
- Bolt pattern in skid for secure mounting
- Open access to all service and maintenance points

SPECIFICATIONS			
	7.5kW	13kW	
ENGINE	Isuzu 3CH1 T4f	Isuzu 3CE1 T4f	
POWER OUTPUT - MAX (hp/kW @ 1800 RPM)	13.4	19.5	
POWER OUTPUT - STANDBY hp/kW @ 1800 RPM)	14.7	21.7	
FUEL TYPE	Diesel	Diesel	
FUEL CONSUMPTION (gal/hr)	0.87	1.18	
COOLING TYPE	Liquid	Liquid	
ELECTRICAL	12 V	12 V	
ALTERNATOR	Marathon ODF-1001	Marathon ODF-10002	
POWER (kW)	7.5	13	
SINGLE PHASE CURRENT RATING (AMPS)	62.5	54	
THREE PHASE CURRENT RATING (AMPS)	31.3	39	
LEADS	12 - Reconnectable	12 - Reconnectable	
COUPLING	Flexible Disc	Flexible Disc	
CONTROLLER	ComAp MRS 3	ComAp MRS 3	
MAINTENANCE INTERVALS			
Oil and Filter Change	250	250	
Fuel Filter/Air Cleaner Filter	500	500	
Coolant	1000	1000	
AVAILABLE OPTIONS			
Rain Cap	Y	Y	
Remote Start	Y	Y	
24-Hr Fuel Tank	Y	Y	
72 Hr Fuel Tank	Y	Y	
Battery Charger	Y	Y	Output: 12VDC, 6A Input: 120VAC, 2A
Block Heater for Cold Weather Starting	Y	Y	500W / 120VAC
DIMENSIONS — in (mm)			
A	43.5 (1106)	43.6 (1108)	
B	48.5 (1232)	48.5 (1232)	
C	35.4 (898)	34.7 (881)	
D	20.6 (523)	20.6 (523)	
E	50.5 (1283)	52.2 (1325)	
WEIGHT — lb (kg)			
	890 (404)	955 (433)	

**ISUZU**  
DIESEL

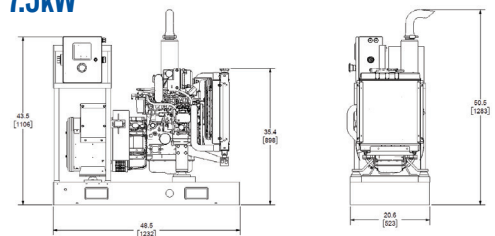
## 7.5/13 kW Standard Diesel

- Tier 4 Final Power Unit for Prime Power applications
- Power Output, Hour Meter, Engine Speed and Fault Information available from controller screen

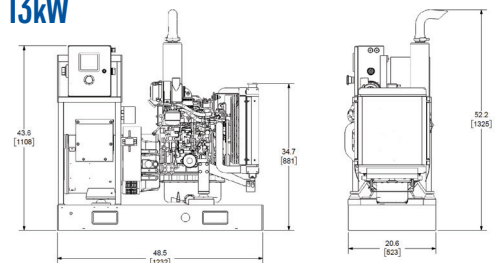
ComAp MRS3 Controller provides standard outputs such as power output, hour meters, AC amperage and voltage monitoring, oil pressure, & water temperature. It also can be configured for manual or remote start-up and fault code logging.

- Battery Disconnect Switch
- E-Stop
- 4-Point vibration isolator mounting
- Fork Pockets for lifting
- Easy access to all service and maintenance points

### 7.5kW



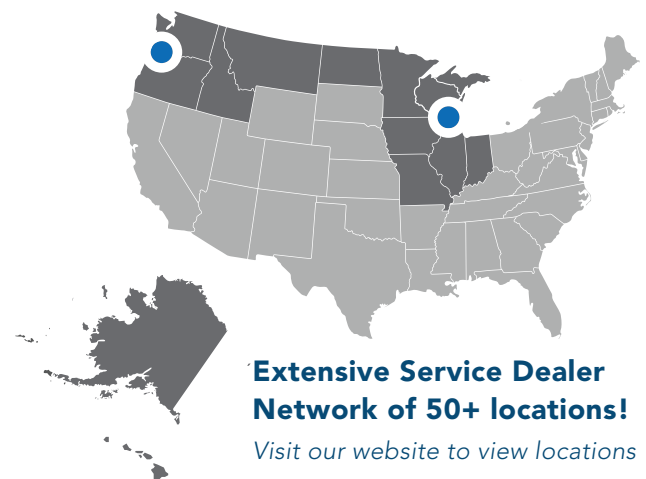
### 13kW



## PEACE OF MIND

When partnering with Hamilton Engine and purchasing an open power unit built by Trident Engineered Solutions you can rest assured that we have your back. The team at Trident meticulously selected only top-of-the-line components. At the same time, they took care to not overbuild these generators so they don't carry a premium price.

This is all evident by the selection of the Isuzu Diesel 3C series engines. Isuzu diesel engines have long been considered the "Rolls-Royce" of the industrial diesel market. In addition to the engine, the Marathon generator end was specifically selected for its reliability and serviceability and the controller, built by ComAp provides the latest in engine & generator control capabilities.





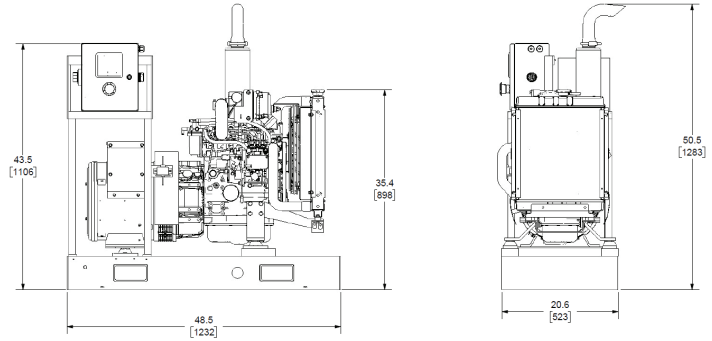
# 7.5kW GenSet



**Overall Dimensions (LxWxH, in):** 48.5 x 20.6 x 43.5

**Weight** 890 lbs

- Tier 4 Final Power Unit for Prime Power applications
- Power Output, Hour Meter, Engine Speed and Fault Information available from controller screen
- Battery Disconnect Switch
- E-Stop
- 4-Point vibration isolator mounting
- Fork Pockets for lifting
- Bolt pattern in skid for secure mounting
- Open access to all service and maintenance points



## ENGINE SPECIFICATIONS

MANUFACTURER	Isuzu
MODEL	3CH1
EMISSION LABEL	Tier 4 Final
TYPE	4-cycle, liquid-cooled diesel
CYLINDERS	3, inline
DISPLACEMENT, L	1.3
BORE x STROKE, in (mm)	3.15 (80) x 3.31 (84)
COMPRESSION RATIO	23. 1:1
RATED SPEED, RPM	1800
MAX POWER (@1800rpm), STANDBY, HP	14.7
MAX POWER (@1800RPM), PRIME, HP	13.4
GOVERNOR TYPE	Mechanical
Frequency Regulation	7% Droop
Crankcase Ventilation	Closed
Air Cleaner Type	Dry

## ALTERNATOR SPECIFICATIONS

EXCITATION	Self-Excited
LEADS	12, Reconnectable
VOLTAGE REGULATOR	Electronic, 1% Regulation
INSULATION CLASS	H (NEMA MGT)
BEARING	1, Sealed
COUPLING	Flexible Disc

## ENGINE ELECTRICAL

SYSTEM VOLTAGE	12V DC
ALTERNATOR CURRENT RATING	40A
MIN. RECOMMENDED BATTERY CCA	433

## COOLING

TYPE	Liquid Cooled
FAN	Engine Driven, Puller
COOLANT CAPACITY, L	4.3

## FUEL

FUEL CONSUMPTION, FULL LOAD, GAL/HR	0.87
FUEL SUPPLY LINE, in (mm)	5/16 (8)
FUEL RETURN LINE, in (mm)	5/16 (8)
FUEL PUMP	12V DC Electric Lift Pump
RECOMMENDED FUEL	#2 Diesel

## LUBRICATION

OIL PAN CAPACITY	3.4 L
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## EXHAUST

VERTICAL MUFFLER ON EXHAUST MANIFOLD
360° ROTATABLE EXHAUST ELBOW
RAIN CAP (OPTIONAL)
MAXIMUM ALLOWABLE BACK PRESSURE, kPa (in Hg)

## CONTROLLER

MANUFACTURER	ComAp
MODEL	Intelinano MRS 3
DISPLAY	Power Output, Hour Meter, Engine Speed, Fault Information
SUPPORTED OPTIONS	Remote Start, Fuel Tank Level

## SERVICEABILITY

MAINTENANCE INTERVAL, HR	
Oil and Filter Change	250
Fuel Filter/Air Cleaner Filter	500
Coolant	1000
Oil Drain	Valve, access either side
Coolant Drain	Plug, access front

## OPTIONAL KITS

BLOCK HEATER (500W/120VAC)
BATTERY CHARGER (OUTPUT: 12VDC, 6A/INPUT: 120VAC, 2A)
CIRCUIT BREAKER AND CUSTOMER POWER CONNECTION OPTIONS
FUEL TANK, 24 HR OR 72 HR

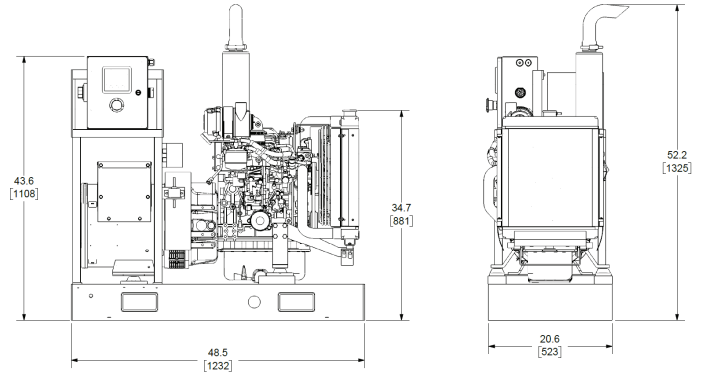
# 13kW GenSet



**Overall Dimensions (LxWxH, in):** 48.5 x 20.6 x 43.5

**Weight** 955 lbs

- Tier 4 Final Power Unit for Prime Power applications
- Power Output, Hour Meter, Engine Speed and Fault Information available from controller screen
- Battery Disconnect Switch
- E-Stop
- 4-Point vibration isolator mounting
- Fork Pockets for lifting
- Bolt pattern in skid for secure mounting
- Easy access to all service and maintenance points



## ENGINE SPECIFICATIONS

MANUFACTURER	Isuzu
MODEL	3CE1
EMISSION LABEL	Tier 4 Final
TYPE	4-cycle, liquid-cooled diesel
CYLINDERS	3, inline
DISPLACEMENT, L	1.6
BORE x STROKE, in (mm)	3.46 (88) x 3.54 (90)
COMPRESSION RATIO	20. 1:1
RATED SPEED, RPM	1800
MAX POWER (@1800RPM), STANDBY, HP	21.7
MAX POWER (@1800RPM), PRIME, HP	19.5
GOVERNOR TYPE	Mechanical
Frequency Regulation	6% Droop
Crankcase Ventilation	Closed
Air Cleaner Type	Dry

## ALTERNATOR SPECIFICATIONS

EXCITATION	Self-Excited
LEADS	12, Reconnectable
VOLTAGE REGULATOR	Electronic, 1% Regulation
INSULATION CLASS	H (NEMA MGT)
BEARING	1, Sealed
COUPLING	Flexible Disc

## ENGINE ELECTRICAL

SYSTEM VOLTAGE	12V DC
ALTERNATOR CURRENT RATING	40A
MIN. RECOMMENDED BATTERY CCA	433

## COOLING

TYPE	Liquid Cooled
FAN	Engine Driven, Pusher
COOLANT CAPACITY, L	5.4

## FUEL

FUEL CONSUMPTION, FULL LOAD, GAL/HR	1.18
FUEL SUPPLY LINE, in (mm)	5/16 (8)
FUEL RETURN LINE, in (mm)	5/16 (8)
FUEL PUMP	12V DC Electric Lift Pump
RECOMMENDED FUEL	#2 Diesel

## LUBRICATION

OIL PAN CAPACITY	6.7 L
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## EXHAUST

VERTICAL MUFFLER ON EXHAUST MANIFOLD
360° ROTATABLE EXHAUST ELBOW
RAIN CAP (OPTIONAL)
MAXIMUM ALLOWABLE BACK PRESSURE, kPa (in Hg)

## CONTROLLER

MANUFACTURER	ComAp
MODEL	Intelinano MRS 3
START/STOP	
DISPLAY	Power Output, Hour Meter, Engine Speed, Fault Information
SUPPORTED OPTIONS	Remote Start, Fuel Tank Level

## SERVICEABILITY

MAINTENANCE INTERVAL, HR	
Oil and Filter Change	250
Fuel Filter/Air Cleaner Filter	500
Coolant	1000
Oil Drain	Valve, access either side
Coolant Drain	Plug, access front

## OPTIONAL KITS

BLOCK HEATER (500W/120VAC)
BATTERY CHARGER (OUTPUT: 12VDC, 6A/INPUT: 120VAC, 2A)
CIRCUIT BREAKER AND CUSTOMER POWER CONNECTION OPTIONS
FUEL TANK, 24 HR OR 72 HR