

TIER 4 FINAL
MOBILE SERIES

FEATURING THE FOLLOWING ENGINES

ISUZU | JOHN DEERE | FPT | VOLVO

HIPOWER®
A YANMAR COMPANY

DIMENSIONS & WEIGHTS

HRIW-25



Dimensions skid L x W x H	88.6 x 37.4 x 62.1
Weight - Skid wet	2150
Dimensions w/Trailer L x W x H	146 x 70 x 80
Weight - w/Trailer wet	2578

HRIW-45



Dimensions skid L x W x H	88.6 x 37.4 x 62.1
Weight - Skid wet	2400
Dimensions w/Trailer L x W x H	146 x 70 x 80
Weight - w/Trailer wet	2828

HRIW-70



Dimensions skid L x W x H	110 x 42.6 x 68
Weight - Skid wet	3330
Dimensions w/Trailer L x W x H	175 x 76.8 x 92
Weight - w/Trailer wet	4600

HRIW-125



Dimensions skid L x W x H	124 x 51.6 x 72.8
Weight - Skid wet	6610
Dimensions w/Trailer L x W x H	207 x 83 x 92.8
Weight - w/Trailer wet	9110

HRJW-190



Dimensions skid L x W x H	145 x 54 x 84.4
Weight - Skid wet	8200
Dimensions w/Trailer L x W x H	225 x 88.2 x 103
Weight - w/Trailer wet	9760

HRJW-240



Dimensions skid L x W x H	145 x 54 x 84.4
Weight - Skid wet	8560
Dimensions w/Trailer L x W x H	225 x 88.2 x 103
Weight - w/Trailer wet	10120

HRJW-325



Dimensions skid L x W x H	161.4 x 63.4 x 99
Weight - Skid wet	11170
Dimensions w/Trailer L x W x H	240 x 102 x 123
Weight - w/Trailer wet	14110

HRFW-325



Dimensions skid L x W x H	178 x 64 x 99
Weight - Skid wet	14100
Dimensions w/Trailer L x W x H	264 x 102 x 129
Weight - w/Trailer wet	16100

HRFW-400



Dimensions skid L x W x H	178 x 64 x 99
Weight - Skid wet	15000
Dimensions w/Trailer L x W x H	264 x 102 x 129
Weight - w/Trailer wet	17000

HRVW-625



Dimensions skid L x W x H	200 x 81 x 112
Weight - Skid wet	18700
Dimensions w/Trailer L x W x H	347 x 102 x 152
Weight - w/Trailer wet	26160

HRVW-685



Dimensions skid L x W x H	200 x 81 x 112
Weight - Skid wet	19500
Dimensions w/Trailer L x W x H	347 x 102 x 152
Weight - w/Trailer wet	27700



STANDARD FEATURES

ENCLOSURE
- Rust-Proof Fastener with washers to protect finish
- High Performance Sound-Absorbing Material
- Gasketed Doors
- Air Discharge Hoods for Radiators - Upward Pointing
- Lift Off Door Hinges
- Stainless Steel Lockable Handles
- Textured Polyester Power Coat

ENGINE SYSTEM
- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Factory Filled Oil
- Battery Charging Alternator
- Fluid Containment Pan
- 120V-1ph Water Jacket Heater (w-Std. Isolation Valves) *(Optional for HRIW 25-45)*

ELECTRICAL SYSTEMS
- Battery
- Battery Cables
- Battery Tray

ALTERNATOR SYSTEM
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor 2/3 Pitch
- Full Load Capacity Alternator
- Protective Thermal Switch
- Permanent Magnet Excitation *(Excluding HRIW-25)*

COOLING SYSTEM
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

GENERATOR SET
- Parallel Controller w/Motorized CB *(Excluding HRIW 25-70)*
- 80% Rated Main Line Circuit Breaker
- Internal Genset Vibration Isolation
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Yrs./3,500 Hrs. Limited Warranty
- Emergency Stop

CONFIGURABLE OPTIONS

ALTERNATOR SYSTEM
- Anti-condensation Heater

ELECTRICAL SYSTEM
- Battery Blanket
- Oil Pan Heater
- 10A Battery Charger
- 5A Battery Charger
- AC/DC Enclosure Lighting Kit w/Timer
- Buckboost Transformer *(HRIW 25-45)*
- Control Panel Heater
- Hydronic Heater
- Camlocks *(HRIW 25-45)*

GENERATOR SET
- TSSA Tank
- Trailer

ENGINEERED OPTIONS

GENERATOR SET
- Special Testing

* Weight varies depending on options chosen. Wet weights listed exclude fuel. Dimensions (Inches) | Weight (Pounds) | Frequency (60 Hz) | EPA Certified: Tier 4 Final. Specifications and designs are subject to change.

		HRIW 25	HRIW 45	HRIW 70	HRIW 125	HRJW 190	HRJW 240	HRJW 325	HRFW 325	HRFW 400	HRVW 625	HRVW 685
Performance												
Rated Prime Power 3ø	kW	20	36	56	100	152	192	260	260	320	500	550
Rated Standby Power 3ø	kW	22	40	62	110	167	211	286	286	352	550	625
Rated Prime Power 3ø	kVA	25	45	70	125	190	240	325	325	400	625	687
Rated Standby Power 3ø	kVA	28	50	78	138	209	264	358	357	440	680	756
3ø Voltage in 480V switch position (Series star w/neutral)	V	480/277	480/277	480/277	480/277	480/277	480/277	480/277	480/277	480/277	480/277	480/277
Amp Capacity @480V	A	30	54	84	150	228	289	391	430	481	752	826
3ø Voltage in 208V switch position (Parallel star w/neutral)	V	208	208	208	208	208	208	208	208	208	208	208
Amp Capacity @208V	A	69	125	194	347	527	666	902	992	1110	1735	1906
Rated Prime Power 1ø	kW	19.9	34.4	50	84	115	150	185	185	210	n/a	n/a
Rated Prime Power 1ø	kVA	19.9	34.4	55	84	115	150	185	185	210	n/a	n/a
1ø Voltage in 120-240V switch position (Zig-Zag)	V	240/120	240/120	240/120	240/120	240/120	240/120	240/120	240/120	240/120	n/a	n/a
Amp Capacity @240V	A	82.1	143.3	208.3	350	479	625	770	992	1110	n/a	n/a
Max. Sound Pressure Level (LPA) @23' @75% Load	dB(A)	63	65	65	72	72	72	74	72	79	72	72
ATB	°F / °C	122/50	122/50	120/49	113/45	127/53	122/50	122/50	122/50	113/45	113/45	113/45
Fuel consumption												
Fuel Tank Capacity	gal	80	80	118	150	130	130	449	449	449	600	600
Fuel consumption at full load (PRP)	gal / h	1.62	3.3	4.21	8.4	12.13	13.8	18.6	17.8	23.1	31.1	36.8
Fuel autonomy considering 90% of fuel capacity	h	41	25	28	20	10	9	22	25	20	19	18
DEF Tank Capacity	gal	N/A	N/A	7.4	7.4	11.9	11.9	29.8	21.4	35.4	42.3	42.3
Engine DEF Consumption [% of fuel consumption] @ P.R.P. Power	%	N/A	N/A	3	3	3.2	3.3	2.8	9	10.4	7.1	6.4
Alternator												
Model		S0L2-P1	UCI 224 D	UCI 224 F	UCI 274 E	UCI 274 G	UCDI 274 J	S4L1S-E4	S4L1S-E4	S4L1D-F	HCI 534 E	HCI 534 F
Excitation		AUX	PMG	PMG	PMG	PMG	PMG	PMG	PMG	PMG	PMG	PMG
Automatic Voltage Regulator (+/-0.5%)		VITA01	MX341	MX341	MX341	MX341	MX341	MX341	MX341	MX341	MX341	MX341
Insulation		Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Temperature Rise		Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)	Class F (105 /40oC)
skVA@30% voltage dip (480 volts)		48	185	258	580	730	840	1050	1100	1375	2070	2300
Engine												
Manufacturer		ISUZU	ISUZU	ISUZU	ISUZU	JOHN DEERE	JOHN DEERE	JOHN DEERE	FPT	FPT	VOLVO PENTA	VOLVO PENTA
Model		4LE2T	4LE2X	4JJ1X	4HK1X	6068HFG05	6068HFG06	6090HFG06	C87ENTZW69	C13ENTZW69	TWD1682GE	TWD1683GE
EPA certified		Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Nominal Power	HP	40.2	66	95	169	227	295	373	375	477	713	798
After-Treatment		DOC	DOC	DOC + SCR	DOC + SCR	DOC + SCR	DOC + SCR	DOC + SCR	DOC + SCR	DOC + SCR	SCR	SCR
Engine Electrical System												
Starting Motor Voltage	VDC	12	12	12	12	12	12	24	24	24	24	24
Battery Capacity - Min.	Amps	650	650	650	650	1050	1050	650 x 2	650 x 2	650 x 2	650 x 2	650 x 2
Battery Charging Alternator	Amps	110	110	110	110	110	110	65	55	55	N/A	N/A

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HIPOWER® A YANMAR COMPANY

MANUFACTURING EXCELLENCE

NEW FACILITY

We have invested millions in our new (2018) state of the art 515,000 sf. North American Manufacturing Facility, headquarted in Olathe, Kansas, to better serve our customers.

SHEET METAL

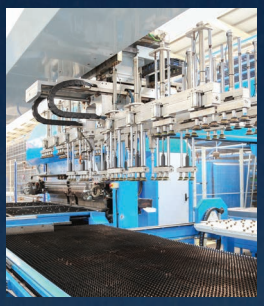
Our new fully integrated Industry 4.0 Prima Power Robot (night train, laser, punching, shearing, buffering & bending) provides us with the latest available technology to manufacture all our sheet metal components.

POWER PAINT SYSTEM

Incorporating the newest nanotechnology in metal pre-treatment washing, our new powder paint systems applies 2 coats of powder protection (primer & paint) to provide heavy-duty durability in the harshest conditions.

MANUFACTURING

Our entire manufacturing engineering processes and quality systems are based on Yanmar's Way of Kaizen Principles. This allows us to deliver an industry leading finished product.









BUILT TO LAST

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