

# ABOUT US



14233 West Road | Houston, TX | 77041

1.800.723.3334 | Toll Free:

1.281.807.4420 | Phone

1.287.807.4815 | Fax

sales@harrisonhydragen.org



What separates Harrison Hydra-Gen from the competition? Simply put Harrison products have been "PROVEN UNDER PRESSURE" since 1969, in industries where loss of life or loss of lively-hood will result!

With the roots of Harrison deep in the Oil and Gas industries, Harrison knows that a failure of a product in the field can lead to catastrophic financial losses. We at Harrison know what it takes to provide the best hydraulic products to meet the most DEMANDING needs of this industry. Downtime is not an option for the Oil and Gas industries. Time is Money; using the Harrison Hydra-Gen products provides the extra protection to keep the rigs going all day long!

As the premier supplier to the Fire and Emergency Industries, Harrison knows that the toughest conditions demand the toughest performance. That's why Harrison is the #1 supplier of Hydraulic Generators to this EXTREMELY demanding industry. They trust their LIVES to Harrison; there is no higher PRESSURE TO perform than the Fire and Emergency Industry!

Every Harrison system is designed using top quality, name brand components. We place emphasis where it should be; in the generator, drive motor, cooling system and pump. our commitment to quality and our testing procedures allow us to remain cost competitive with lower quality systems by avoiding unnecessary service and warranty claims.

Harrison has delivered over 20,000 units since 1969 and it is not uncommon to see a 20+ year old Harrison still operating in the field today. There is no secret to our longevity and success; it is our commitment to quality! We were the first hydraulic generator manufacturer; let our experience work for you!



**WWW.HARRISONHYDRAGEN.COM**



# ABOUT US

Harrison Hydra-Gen has built our business serving industries that have very specific needs that typically require a customized hydraulic solution. Every hydraulically driven generator or hydraulic solution we develop at Harrison is designed to meet the same demanding requirements as our standard product offerings.



Although we list standard product offerings throughout this catalog, the truth is that very few of our products are ever built as standard; there is always some special twist that our customers ask for. Harrison Hydra-Gen will deliver a customized solution or product to you; provide the testing, prototyping, documentation and training needed to integrate the hydraulic solution into your business.



## HOW DO I CHOOSE A GENERATOR?

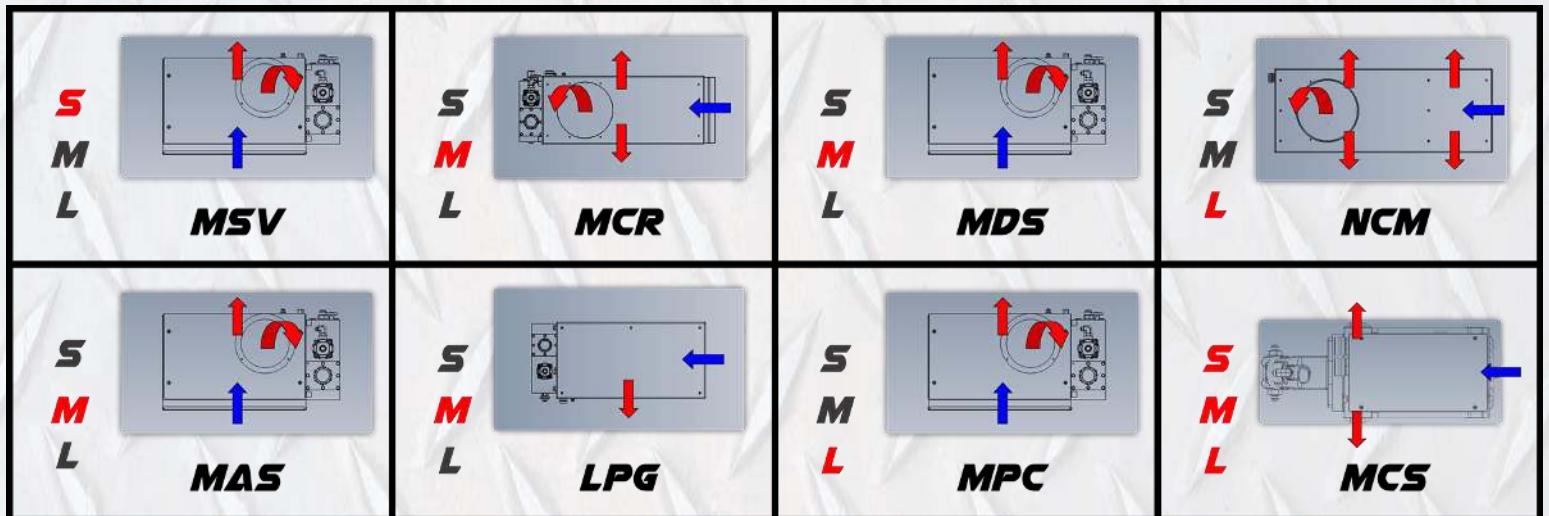
### 1<sup>ST</sup>

**Select your kW:** Add up your loads and select your desired kW rating from the chart below. There will be several models available at your desired kW rating.

RATING	MSV	MAS	MCR	LPG	MDS	MPC	NCM	MCS
3.6 Kw	●							●
4.8 kW	●							●
6.0 kW	●	●	●	●	●			●
8.0 kW		●	●	●	●			●
10.0 kW		●	●	●	●			●
12.0 kW			●		●			●
14.0 kW					●			●
15.0 kW						●	●	●
20.0 kW						●	●	●
25.0 kW						●		●
30.0 kW						●		●

### 2<sup>ND</sup>

**Select your airflow:** Your installation will dictate which airflow will work best. We offer several models at each kW rating; the only difference is the airflow and size.





# ABOUT US

## HOW DO I CHOOSE A GENERATOR?

### 3<sup>RD</sup>

**Select your options:** Harrison has a wide variety of standard features and optional features available. Once you have narrowed down the kW Rating, the Airflow and the Size, you can customize your generator exactly as you need from our list of available options..

OPTIONS	MSV	MAS	MCR	LPG	MDS	MPC	NCM	MCS
Top Access Oil Filter	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Top Access Oil Fill	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Top Access Electrical Box	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Tri-View Oil Level Gauge	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Over-sized Oil Temp Gauge	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Twin Draft Air Duct	Std.	Std.	Std.	Std.	Std.	N/A	Std.	N/A
Dual Fan Technology	Opt.	Opt.	Opt.	Opt.	N/A	Opt.	N/A	N/A
Tri Fan Technology	N/A	N/A	N/A	N/A	Std.	Opt.	Std.	N/A
Self Sealing Air Intake	Std.	Std.	Std.	N/A	Std.	N/A	N/A	N/A
Bent Axis Piston Motor	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Attached Reservoir	Std.	Std.	Std.	Std.	Std.	Std.	N/A	N/A
Remote Reservoir	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Std.	Std.
Modular Design	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Minimum Foot Print	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Structural Steel Frame	Std.	Std.	Std.	Std.	Std.	Std.	Std.	N/A

### 4<sup>TH</sup>

**You did not find the kW Rating, the Airflow, the Size or the Options that you require::** Harrison has been creating Customized Hydraulic Solutions since 1969. If your requirements are specific to a need that you have, talk with a Harrison Business Manager and they can develop a Hydraulic Solution specifically for you.



## STINGER

### MSV



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 980 rpm <b>MAX INPUT:</b> 3300 rpm <b>DISPLACEMENT:</b> 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42 lb <b>MAX TORQUE:</b> 132 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed <b>MAX PRESSURE:</b> 4,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length	25.0	25.0	25.0									6.0
Width	15.0	15.0	15.0									15.0
Height	14.1	14.1	14.1									14.1
Weight	158	163	168									20
Max Kw	3.6	4.8	6.0									
HP Required	9	12	14									
AMP/120 VAC	30	40	50									
AMP/240 VAC	15	20	25									
Max PSI	2300	2500	2700									
Oil Viscosity	ISO 46	ISO 46	ISO 46									
Reservoir GAL												3.2
Flow Rate GPM	10	10	10									
Alt Speed RPM	3600	3600	3600									

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.

## FALCON MAS



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 980 rpm <b>MAX INPUT:</b> 3300 rpm <b>DISPLACEMENT:</b> 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42 lb <b>MAX TORQUE:</b> 132 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed <b>MAX PRESSURE:</b> 4,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length			25.0	25.0	25.0							6.0
Width			18.0	18.0	18.0							18.0
Height			14.1	14.1	14.1							14.1
Weight			227	231	237							20
Max Kw			6.0	8.0	10.0							
HP Required			14	18	22							
AMP/120 VAC			50	68	84							
AMP/240 VAC			25	34	42							
Max PSI			2700	3100	3500							
Oil Viscosity			ISO 46	ISO 46	ISO 46							
Reservoir GAL												3.8
Flow Rate GPM			10	10	10							
Alt Speed RPM			3600	3600	3600							

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.

## STEALTH

### MCR



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 980 rpm <b>MAX INPUT:</b> 3300 rpm <b>DISPLACEMENT:</b> 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42 lb <b>MAX TORQUE:</b> 132 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed <b>MAX PRESSURE:</b> 4,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length			33.0	33.0	33.0	34.5						5.0
Width			14.0	14.0	14.0	14.0						14.0
Height			18.1	18.1	18.1	18.6						18.13
Weight			227	231	237	247						20
Max Kw			6.0	8.0	10.0	12.0						
HP Required			14	18	22	27						
AMP/120 VAC			50	68	84	100						
AMP/240 VAC			25	34	42	50						
Max PSI			2700	3100	3500	3700						
Oil Viscosity			ISO 46	ISO 46	ISO 46	ISO 46						
Reservoir GAL												3.3
Flow Rate GPM			10	10	10	12						
Alt Speed RPM			3600	3600	3600	3600						

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.



## VULCAN LPG



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 980 rpm <b>MAX INPUT:</b> 3300 rpm <b>DISPLACEMENT:</b> 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42 lb <b>MAX TORQUE:</b> 132 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed <b>MAX PRESSURE:</b> 4,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length			34.0	34.0	34.0							6.0
Width			17.1	17.1	17.1							17.1
Height			14.1	14.1	14.1							14.1
Weight			227	231	237							20
Max Kw			6.0	8.0	10.0							
HP Required			14	18	22							
AMP/120 VAC			50	68	84							
AMP/240 VAC			25	34	42							
Max PSI			2700	3100	3500							
Oil Viscosity			ISO 46	ISO 46	ISO 46							
Reservoir GAL												3.5
Flow Rate GPM			10	10	10							
Alt Speed RPM			3600	3600	3600							

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.

## AVENGER

### MDS



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, two pole, 3600 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 980 rpm (6/8/10 kW) 1150 rpm (12/14 kW) <b>MAX INPUT:</b> 3300 rpm <b>DISPLACEMENT:</b> 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42 lb <b>MAX TORQUE:</b> 132 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed <b>MAX PRESSURE:</b> 4,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length			33.1	33.1	33.1	33.1	33.1					6.0
Width			18.0	18.0	18.0	18.0	18.0					18.0
Height			16.1	16.1	16.1	16.1	16.1					14.1
Weight			250	255	260	265	270					20
Max Kw			6.0	8.0	10.0	12.0	14.0					
HP Required			14	18	22	27	31					
AMP/120 VAC			50	68	84	100	117					
AMP/240 VAC			25	34	42	50	58					
Max PSI			2700	3100	3500	3700	4000					
Oil Viscosity			ISO 46	ISO 46	ISO 46	ISO 46	ISO 46					
Reservoir GAL												3.8
Flow Rate GPM			10	10	10	12	12					
Alt Speed RPM			3600	3600	3600	3600	3600					

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.

## PATRIOT MPC



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, four pole, 1800 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 1% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 4% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units 0.8 for three-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 900 rpm (10/15/20 kW) 1150 rpm (25/30 kW) <b>MAX INPUT:</b> 3000 rpm <b>DISPLACEMENT:</b> 80cc <b>MAX TEMP:</b> 204 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 78 lb <b>MAX TORQUE:</b> 295 lbft <b>SHAFT:</b> SAE-C 14T Splined SAE-C 1.25" Keyed <b>MAX PRESSURE:</b> 5,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length					29.0			29.0	29.0	35.0	35.0	6.0
Width					23.0			23.0	23.0	24.0	24.0	21.2
Height					19.0			19.0	19.0	20.0	20.0	18.5
Weight					367			437	488	540	560	24
Max Kw					10.0			15.0	20.0	25.0	30.0	
HP Required					25			35	45	55	65	
AMP/120 VAC					84			125	167	208	250	
AMP/240 VAC					42			62	84	104	125	
Max PSI					2700			3500	4300	4200	5000	
Oil Viscosity					ISO 46			ISO 46	ISO 46	ISO 46	ISO 46	
Reservoir GAL												3.8
Flow Rate GPM					15			15	15	20	20	
Alt Speed RPM					1800			1800	1800	1800	1800	

\*Reservoirs are shipped attached but can be remote mounted

\*\*Generator dimensions and weights don't include the reservoir.



# HORNET

## NCM



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, four pole, 1800 rpm for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 1% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 4% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units 0.8 for three-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 900 rpm (10/15/20 kW) <b>MAX INPUT:</b> 3000 rpm <b>DISPLACEMENT:</b> 80cc <b>MAX TEMP:</b> 204 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 78 lb <b>MAX TORQUE:</b> 295 lbft <b>SHAFT:</b> SAE-C 14T Splined SAE-C 1.25" Keyed <b>MAX PRESSURE:</b> 5,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length								43.38	43.38			15.0
Width								16.0	16.0			8.0
Height								19.0	19.0			13.9
Weight								410	450			24
Max Kw								15.0	20.0			
HP Required								35	45			
AMP/120 VAC								125	167			
AMP/240 VAC								62	84			
Max PSI								3500	4300			
Oil Viscosity								ISO 46	ISO 46			
Reservoir GAL												4.0
Flow Rate GPM								15	15			
Alt Speed RPM								1800	1800			

\*Reservoirs are shipped detached    \*\*Generator dimensions and weights don't include the reservoir.

## M-SERIES

### MCS

\* **M**ODULAR **C**OMPONENT **S**YSTEM TAKES COMPONENTS FROM OUR OTHER SERIES AND TO PROVIDE A MODULAR GENERATOR DESIGN.



ALTERNATOR DETAIL	HYDRAULIC SYSTEM	HYDRAULIC PUMP	AIR FLOW
<b>DESIGN:</b> Brushless, revolving field, four pole 1800 rpm or two pole 3600 rpm; for 60 Hz or optional 50 Hz operation <b>REGULATION:</b> (+/-) 1%-5% voltage regulation from nameplate rating <b>WAVEFORM:</b> Harmonic distortion limited to 4% to 7% <b>INSULATION:</b> Class H, 200 degree F, slot insulation, varnish and copper windings. <b>PF:</b> 1.0 (unity) for single-phase units 0.8 for three-phase units	<b>TYPE OF OIL:</b> Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent <b>VISCOSITY:</b> Optimum operating viscosity is ISO 46 for best performance in all conditions <b>CAPACITY:</b> The reservoir capacity will vary with each generator. Please see the "Reservoir Capacity" in the generator specifications	<b>MIN INPUT:</b> 900 rpm - 1150 rpm <b>MAX INPUT:</b> 3000 - 3300 rpm <b>DISPLACEMENT:</b> 80cc or 45cc <b>MAX TEMP:</b> 200 Degrees F <b>MIN TEMP:</b> -15 Degrees F <b>WEIGHT:</b> 42-78 lb <b>MAX TORQUE:</b> 132-295 lbft <b>SHAFT:</b> SAE-B 7/8" 13T Splined SAE-BB 1.00" Keyed SAE-C 14T Splined SAE-C 1.25" Keyed <b>MAX PRESSURE:</b> 5,000 psi <b>MAX VACUUM:</b> 10.0 inHg	

	3.6 kW	4.8 kW	6.0 kW	8.0 kW	10.0 kW	12.0 kW	14.0 kW	15.0 kW	20.0 kW	25.0 kW	30.0 kW	Reservoir
Length												17.1
Width												17.0
Height												14.6
Weight												24
Max Kw	3.6	4.8	6.0	8.0	10.0	12.0	14.0	15.0	20.0	25.0	30.0	
HP Required	9	12	14	18	22	27	31	35	45	55	65	
AMP/120 VAC	30	40	50	68	84	100	117	125	167	208	250	
AMP/240 VAC	15	20	25	34	42	50	58	62	84	104	125	
Max PSI	2300	2500	2700	3100	3500	3700	4000	3500	4300	4200	5000	
Oil Viscosity	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	ISO 46	
Reservoir GAL												4.0
Flow Rate GPM	10	10	10	10	10	12	12	15	15	20	20	
Alt Speed RPM	3600	3600	3600	3600	3600	3600	3600	1800	1800	1800	1800	

\*Reservoirs are shipped detached

\*\*Generator dimensions and weights don't include the reservoir.

# PRODUCTS

## I-SERIES



*Qube Jr; All-In-One  
hydraulic conditioning  
system used with IHT-HQ*



The **I-SERIES** by Harrison is a line of Integrated Hydraulic Technology systems, or IHT, that allows you to run your on-board equipment using hydraulic motors, instead of gas engines or electric motors. This provides enhanced performance, operation, and better packaging. There are MANY advantages of the IHT system over the traditional way of using a gas engine or electric motor:

- Increases reliability; equipment will start EVERY time
- Increases performance and speed of your equipment
- Reduces maintenance costs of your equipment
- Reduces warranty costs of your equipment
- Increases the usable HP available to your equipment
- Simplifies the operation of your equipment
- Decrease your wheelbase & increases maneuverability



*Simplified operation with Harrison IHT. Simply turn on the Master Hydraulic switch and then turn on the system you want to use! FULLY INDEPENDENT operation for all your on-board equipment!*

The Harrison IHT system is available in two versions. Your specific application will determine which version will work best for you. Both systems provide completely independent operation of your equipment.

- **IHT-INTEGRATED** – Integrates with your Harrison generator hydraulic system and we simply tie into the system using our Function Manifold.
- **IHT-HQ** – Integrates into your apparatus independently, as part of a self-contained hydraulic system, using the HYDRA-QUBE. There is no need for an on-board generator with the IHT-HQ.

### WHY USE IHT-INTEGRATED OR IHT-HQ?

- Most of the major fire & emergency suppliers have partnered up with Harrison to put together the most flexible product configurations available. Generators, Rescue tools, Water pumps, Air compressors, Air conditioners, Hose bed loaders, Tools, Ladder lifts and much more. If you can think of a use for hydraulic power, **HARRISON WILL CUSTOMIZE THE DESIGN TO MEET YOUR NEEDS!**



## I-SERIES



The NEW MULTI-FUNCTION PERFORMANCE VEHICLE powered by Harrison IHT. Everything on this Harrison Performance Vehicle is mounted on a F250 chassis and is POWERED BY A SINGLE HARRISON HYDRA-GEN HYDRAULIC PUMP and a Harrison Hydra-Gen IHT system:

(Options as shown)

- 10 kW AVENGER MDS Harrison Generator
- Cord Reel
- Light Tower
- Breaker Box
- Hydraulic Rescue Tool Pump
- Hydraulic Rescue Tools
- Hydraulic Rescue Tool Reels
- 150 GPM Water Pump
- Water Tank
- Pump Panel
- Water Hose Reel
- Electronic Controller
- And even more...

All of this can run on the Ford F250, F350, F450 or F550 or virtually ANY OTHER CUSTOM OR COMMERCIAL CHASSIS with the Harrison IHT System. This is TRUE VERSATILITY with TRUE NFPA PUMP & ROLL. Simply, with the flick of a switch, any system is fully operational at your command!





## World-Class Manufacturing

Harrison's World Headquarters is located in an all new 45,000 sq. ft. manufacturing facility in Houston, TX. This new facility was strategically designed and constructed to provide the use of "best-in-practice" processes and procedures.



## State-Of-The-Art Testing

Every Harrison hydraulic generator goes through the most advanced computerized testing, with documentation of the test results provided with each product. Customized or off-the-shelf, all Harrison hydraulic generators are tested to the same standards.



## Uncompromising Quality

You depend on your tools and equipment to help you do the job right the first time, and enable you to keep your word. That's not something we take lightly. We let our product speak for itself; 45 years of continued business in the most demanding environments.



## Hydraulic Generators

What separates Harrison Hydra-Gen from the competition? Simply put, Harrison products have been "PROVEN UNDER PRESSURE", since 1969. There is no secret to our longevity and success; it is our commitment to quality!

We place emphasis where it should be; in the components of our products. Our commitment to quality and our testing procedures allow us to remain cost competitive with lower quality systems by avoiding unnecessary service claims.

## Fully Customized

You can choose a Harrison hydraulic generator rating of up to 40 kW from our product line; or we can completely customize a hydraulic generator to meet your specifications.

## Advantages Of Hydraulic Generators

- Up to 65% smaller
- Up to 50% lighter
- More reliable
- Starts in cold weather
- Less noise and vibration
- Lower maintenance cost
- Longer life cycle
- Power driving or parked
- No carbon footprint
- No secondary engine
- No secondary fuel tanks
- No bad fuel
- No messy exhaust



14233 West Road | Houston, TX 77041  
T: 800.723.3334 | O: 281.807.4420 | F: 281.807.4815  
sales@harrisonhydragen.org | www.harrisonhydragen.com

*quality, service & dependability . . . guaranteed*