

Backpack Power Unit



P 600 OB

A revolution within rescue technology – unlimited mobility for hydraulic rescue tools

With the “Backpack” Power Unit P 600 OB any HURST High Pressure rescue tool can be made mobile. The hands-free feature allows for unrestricted freedom of movement during rescue work and while accessing the accident site.

Applications

- Building rescue and disaster management
- Rescue in tunnels or rough terrain
- Aircraft recovery
- Traffic accidents

Features & Benefits

- Frees hands for climbing over obstacles in buildings, over rough terrain or on ladders
- Fast switching from one operation to the next
- No set-up time – the rescue tool can be transported while connected
- Unlimited radius of action
- Unlimited working time through quick exchange battery



Useful Accessories



Battery Charger

100-240 V

Weight

0.9 lbs. (0.4 kg)



Spare Battery

Weight

14.5 lbs. (6.6 kg)

Spare Carrying Harness

Shown above on P 600 OB.

Weight

3.3 lbs. (1.5 kg)

Specifications	P 600 OB
Output LP-HP	89.6 cu.in./min – 21.4 cu.in./min (1.4 l/min – 0.35 l/min)
Capacity of oil reservoir	97.6 cu.in. (1.6 l)
Usable oil capacity	73.2 cu.in. (1.2 l)
Dimensions: l x w x h	7 x 7 x 22 in. (180 x 180 x 558 mm)
Weight	41.5 lbs. (18.8 kg)

Recommended Tools

Spreaders SP 310
Combination Tools
Cutters Series S
Rescue Rams R 410, R 412

Specialty Power Units

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P 610 OG

P 610 OG HURST Compact Power Unit – more mobility for your rescue equipment

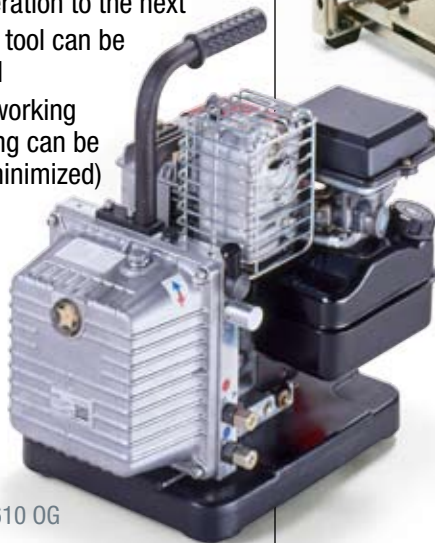
The HURST Super Compact Power Unit offers many advantages for one man operations; light weight and small size make this unit quite portable. Nearly unlimited operation time through efficient cooling of the engine.

Applications

- Traffic accidents
- Disaster management
- Rescue in rough terrain and inaccessible places

Features & Benefits

- Ideal power unit for one man rescue operation and one man transport
- Fast switching from one operation to the next
- No set-up time – the rescue tool can be transported while connected
- Allows for nearly unlimited working times, engine without housing can be vented freely (overheating minimized)
- Low noise level eases communication between rescuers
- Suitable for operation of all HURST Rescue Tools (except large Telescopic Ram R 422 and R 424)



P 610 OD

Diesel power unit for applications which do not allow the use of gasoline engines



Specifications	P 610 OG	Specifications	P 610 OD
Engine Type	4-stroke gasoline	Engine Type	Diesel engine
Output, LP	134 cu.in./min (2.2 l/min)	Output, LP	134 cu.in./min (2.2 l/min)
Output, HP	40 cu.in./min (0.65 l/min)	Output, HP	40 cu.in./min (0.65 l/min)
Capacity of oil reservoir	122 cu.in. (2 l)	Capacity of oil reservoir	122 cu.in. (2 l)
Usable oil capacity	110 cu.in. (1.8 l)	Usable oil capacity	110 cu.in. (1.8 l)
Dimensions: l x w x h	15.2 x 12.8 x 17.3 in. (385 x 325 x 440 mm)	Dimensions: l x w x h	19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)
Weight	47.6 lbs. (21.6 kg)	Weight	96 lbs. (43.6 kg)

Specialty Power Units



AHP 2-1E-632

The time-saving alternative to hand pumps: air hydraulic power unit that works with air bottles or compressor.

Features & Benefits

- Fast and effortless operation
- Low noise level
- For use in areas with risk of explosion
- Intrinsically safe – no sparks during operation



AHP 2-E-632

ZPH 3/4

Easy to operate two-stage hand pump for operation of all HURST High Pressure Rescue Tools. Especially for those with high oil volume.

Features & Benefits

- Automatic change-over from first stage to second stage
- For use in areas with risk of explosion
- Intrinsically safe – no sparks during operation

LH 2/1, 8-63 DIN

Economical and rugged two-stage hand pump provides power for all HURST High Pressure Rescue Tools (except R 424).

Features & Benefits

- Designed as backup for emergencies and for use in areas with risk of explosion
- Intrinsically safe – no sparks during operation



ZPH 3/4

LH 2/1, 8-63 DIN

Specifications	AHP 2-1E-632	Specifications	ZPH 3/4	LH 2/1, 8-63 DIN
Output flow rate	9.15 up to 67.1 cu.in. (0.15 up to 1.1 l)	Output flow rate per stroke		
Capacity of oil reservoir	146.5 cu.in. (2.4 l)	LP - HP	1.1 – 0.3 cu.in. (10.8 – 4.2 cm ³)	1 – 0.1 cu.in. (17 – 1.7 cm ³)
Usable oil capacity	128.2 cu.in. (2.1 l)	Capacity of oil reservoir	320.4 cu.in. (5.25 l)	195 cu.in. (3.2 l)
Air pressure range	40.6 psi up to 145 psi / 2.8 –10 bar	Usable oil capacity	244 cu.in. (4 l)	110 cu.in. (1.8 l)
Air consumption	12 cu.ft./min. (340 l/min)	Dimensions: l x w x h	29.9 x 5.1 x 8 in. (760 x 130 x 203 mm)	25.2 x 7.9 x 6.3 in. (640 x 200 x 160 mm)
Dimensions: l x w x h	14.5 x 6.1 x 7.2 in. (370 x 155 x 182 mm)	Weight	24.3 lbs. (11 kg)	19.8 lbs. (9 kg)
Weight	14.3 lbs. (6.5 kg)			

Compact Power Units

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P 620 OG / P 620 AG / P 620 IG / P 620 SG

New HURST Super Compact Power Unit – portability for hydraulic rescue tools

The new HURST Super Compact Power Unit offers many advantages for one man operations: portability through unsurpassed light weight and small size and nearly unlimited operation time through efficient cooling of the engine.

P 620 OG for one tool operation with a manual dump valve.

P 620 AG for connection of two rescue tools and manual selector valve.

P 620 IG with ISV (intelligent selector valve) for connection of two rescue tools and operation of one rescue tool without manual switch-over.

Applications

- Traffic accidents
- Disaster management
- Rescue in rough terrain and inaccessible places

Features & Benefits

- The ideal power unit for one man rescue operation and one man transport
- Unlimited radius of action
- Fast switching from one operation to the next
- No set-up time – the rescue tool can be transported while connected
- Allows for nearly unlimited working times, engine without housing can be vented freely (overheating is minimized)
- Low noise level eases communication between rescuers
- Suitable for operation of all HURST Rescue Tools (except large Telescopic Rams R 422 and R 424)

New HURST P 620 SG – the lightest SIMO power unit with a 20% higher flow rate than comparable models working with two rescue tools at a time in a compact form.

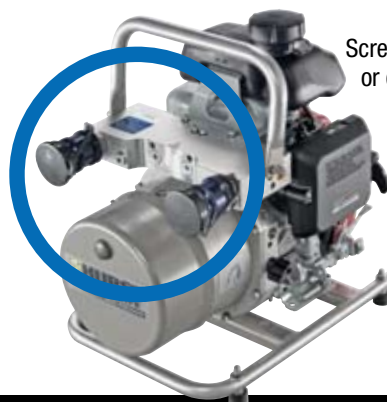
The P 620 SG offers special advantages for mobile operation. These two light-weight, small tools combined make for great portability during a rescue.

Nearly unlimited operation time through efficient cooling of the engine. Oil delivery and oil tank capacity is similar to larger power units.

The P 620 SG is designed for traffic accidents, disaster management, rescue in rough terrain and inaccessible places.

Features & Benefits

- Nearly unlimited radius of action
- Fast switching from one operation to the next in mass accidents
- High flow rate for fast opening and closing times
- Allows for nearly unlimited working time, engine without housing can be vented freely (overheating minimized)
- Low noise level eases communication between rescuers
- Sufficient oil capacity for operating tools in most combinations – (R 424 and SP 510 can be put to work at the same time)
- Suitable for operating tools in almost all possible combinations, (R 424 and SP 510 or S 530 can be put to work at the same time)



Screw-in coupling (female) or direct hose connection



Specifications	P 620 OG	P 620 AG / P 620 IG	P 620 SG
Engine Type	Gasoline, 1.3 kW	Gasoline, 1.3 kW	Gasoline, 1.9 kW
Output LP	122 cu.in./min (2 l/min)	122 cu.in./min (2 l/min)	2 x 158.7 cu.in./min (2 x 2.6 l/min)
Output HP	39.7 cu.in./min (0.65 l/min)	39.7 cu.in./min (0.65 l/min)	2 x 36.6 cu.in./min (2 x 0.6 l/min)
Capacity of oil reservoir	122 cu.in. (2 l)	122 cu.in. (2 l)	213.6 cu.in. (3.5 l)
Usable oil capacity	97.6 cu.in. (1.6 l)	97.6 cu.in. (1.6 l)	164.8 cu.in. (2.7 l)
Dimensions: l x w x h	14.6 x 10.9 x 15.6 in. (370 x 275 x 395 mm)	14.6 x 10.9 x 15.6 in. (370 x 275 x 395 mm)	18.5 x 12.4 x 17.9 in. (470 x 315 x 455 mm)
Weight	28.4 lbs. (12.9 kg)	33.1 lbs. (15 kg)	54.6 lbs. (24.8 kg)



Power Units

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TECHNOLOGY

P 640 Series

With the power unit P 640, HURST set the standard with quality and performance. For use with all rescue tools, also two telescopic lifting cylinders can be operated with MSM-2D manifold unit.

P 640 IG & P 640 IE with ISV valve technology: Unique HURST Intelligent Selector Valve ISV – simultaneous connection and selected operation of two rescue tools.

The Intelligent Selector Valve leads the oil flow automatically to the tool in operation. The rescuer can choose between two tools connected to the power unit as often as necessary.



Specifications	P 640 AG / P 640 IG	P 640 AG-D / P 640 IG-D	P 640 SG
Gasoline Engine	Briggs & Stratton 4-stroke, 2.6 kW	Briggs & Stratton 4-stroke, 2.6 kW	Briggs & Stratton 4-stroke, 2.6 kW
Frame type	Standard	DIN	Standard
Oil delivery, low-high pressure	287 – 88 cu.in./min (4.7 – 1.45 l/min)	287 – 88 cu.in./min (4.7 – 1.45 l/min)	2 x 162 – 2 x 50 cu.in./min (2 x 2.65 – 2 x 0.82 l/min)
Dimensions: l x w x h	15 x 17.3 x 18.8 in. (380 x 440 x 478 mm)	19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)	15 x 17.3 x 18.8 in. (380 x 440 x 478 mm)
Weight	80 lbs. (36 kg)	87 lbs. (39.4 kg)	77 lbs. (35 kg)
Capacity of oil reservoir (All Briggs & Stratton Engines): 305 cu.in. to 485 cu.in. (5 l up to 7.5 l)			
Usable oil capacity (All Briggs & Stratton Engines): 232 cu.in. up to 384.5 cu.in. (3.8 l up to 6.3 l)			

Specifications	P 640 AE / P 640 IE	P 640 AE-D / P 640 IE-D	P640 SE
Electric Motor	220V / 60 Hz, 1.5 kW	220V / 60 Hz, 1.5 kW	220V / 60 Hz, 1.5 kW
Frame type	Standard	DIN	Standard
Oil delivery, low-high pressure	268 – 85 cu.in./min (4.4 – 1.4 l/min)	268 – 85 cu.in./min (4.4 – 1.4 l/min)	2 x 134 – 2 x 43 cu.in./min (2 x 2.2 – 2 x 0.7 l/min)
Dimensions: l x w x h	15 x 17.3 x 18.8 in. (380 x 440 x 478 mm)	19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)	15 x 17.3 x 18.8 in. (380 x 440 x 478 mm)
Weight	90 lbs. (40.6 kg)	97 lbs. (44 kg)	87 lbs. (39.6 kg)
Capacity of oil reservoir (All Electric Motors): 305 cu.in. / 5 l up to 485 cu.in. (7.5 l)			
Usable oil capacity (All Electric Motors): 232 cu.in. / 3.8 l up to 384.5 cu.in. (6.3 l)			

Features & Benefits

- Powerful engines for efficient operations under all load conditions
- Large flow rate in the low and high pressure stage, shortens opening and closing times
- Low noise level
- The oil reservoir can be optionally increased up to 458 cu. in.

Available Options

- **2 Engine Types**
Gas: Briggs & Stratton or Honda (H)
Electric: 110V or 220V
 Note: Simo Electric Engines are 220V only
- **3 Valve Types**
Alternate Selector Valve (A): A-B Manual dump valve switchover alternating use between two rescue tools
Intelligent Selector Valve (I): Automatic switchover alternating use between two rescue tools
Simultaneous (S): Simultaneous use of two tools

- **2 Frame Styles**
Standard or Din

*Note: Din Frame not available with Honda engines
 See page 41 for Toolholders.*



P 640 SG-D	P 640 AG-H	P 640 IG-H	P 640 SG-H
Briggs & Stratton 4-stroke, 2.6 kW	Honda 4-stroke, 3.2 kW	Honda 4-stroke, 3.2 kW	Honda 4-stroke, 3.2 kW
DIN	Standard	Standard	Standard
2 x 162 – 2 x 50 cu.in./min (2 x 2.65 – 2 x 0.82 l/min)	2 x 162 – 2 x 50 cu.in./min (2 x 2.65 – 2 x 0.82 l/min)	2 x 162 – 2 x 50 cu.in./min (2 x 2.65 – 2 x 0.82 l/min)	2 x 162 – 2 x 50 cu.in./min (2 x 2.65 – 2 x 0.82 l/min)
19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)	18.9 x 17.2 x 19.7 in. (480 x 436 x 500 mm)	18.9 x 17.2 x 19.7 in. (480 x 436 x 500 mm)	18.9 x 17.4 x 19.7 in. (480 x 436 x 500 mm)
85 lbs. (38.4 kg)	79.3 lbs. (35.9 kg)	81.6 lbs. (37 kg)	84.6 lbs. (38.4 kg)
P 640 SE-D	P 640 AE / P 640 IE	P 640 AE-D / P 640 IE-D	
220V / 60Hz, 1.5 kW	110V / 60Hz, 1.5 kW	110V / 60Hz, 1.5 kW	
DIN	Standard	DIN	
2 x 134 – 2 x 43 cu.in./min (2 x 2.2 – 2 x 0.7 l/min)	268 – 85 cu.in./min (4.4 – 1.4 l/min)	268 – 85 cu.in./min (4.4 – 1.4 l/min)	
19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)	15 x 17.3 x 18.8 in. (380 x 440 x 478 mm)	19.2 x 17.3 x 18.8 in. (488 x 440 x 478 mm)	
95 lbs. (43 kg)	90 lbs. (40.6 kg)	97 lbs. (44 kg)	

Trimo Power Units

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TECHNOLOGY

P 640 Trimo

Worldwide the HURST "TRIMO" is the first power unit for simultaneous and independent operation of 3 rescue tools!

For use with the connection of cutter, spreader and rescue ram. Setup, rescue time and personnel requirements are reduced to the absolute minimum.



Features & Benefits

- Full power and speed for each individual rescue tool
- Rescue work is possible on several vehicles at the same time
- HURST radial piston pump with 3 individual oil flows
- Each oil flow has a two-stage feature
- Large oil reservoir: all HURST rescue tools in any possible 3-tool configuration can be operated
- Nearly same weight as a traditional motor pump for 2-tool operation
- Hose pairs available in 3 different colors for easy identification



Specifications	P 640 TE-D	P 640 TE-HR
Engine Type	Electric 230 V / 60 Hz, 2.2 kW	Electric 230 V / 60 Hz, 2.2 kW
Frame type	Carry frame DIN	DIN with 3 hose reels
Oil delivery, low-high pressure	3 x 134 - 3 x 43 cu.in./min (3 x 2.2 - 3 x 0.7 l/min)	3 x 134 - 3 x 43 cu.in./min (3 x 2.2 - 3 x 0.7 l/min)
Dimensions: l x w x h	19.2 x 17.3 x 20 in. (488 x 440 x 508 mm)	30.4 x 23.8 x 20 in. (772 x 605 x 508 mm)
Weight (approx.)	103 lbs. (47 kg)	220.5 lbs. (100 kg)
Capacity of oil reservoir (All Engine Types):	305 cu.in. to 485 cu.in. (5 l up to 7.5 l)	
Usable oil capacity (All Engine Types):	232 cu.in. up to 384.5 cu.in. (3.8l up to 6.3 l)	

Useful Components / Options

Toolholders (for Motor Pumps with DIN Frame)

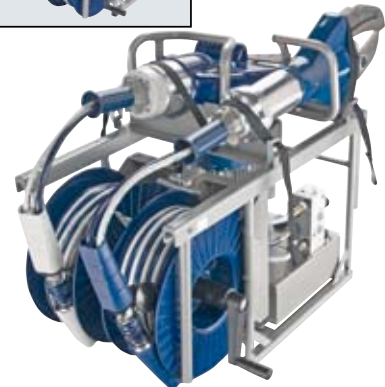
A practical solution that allows for a cutter and a spreader to be connected and stored on the power unit for transportation and rapid deployment.



Carry handles without toolholder function, only for carrying purposes



Power units with toolholders



Power units with toolholders, hose reels and rescue tools



Long toolholders for power units with DIN frame and hose reel



Short toolholders for power units with DIN frame, but without hose reel

P640 TG

P640 TG -D

P 640 TG-HR

Gasoline
3.4 kW

Gasoline
3.4 kW

Gasoline
3.4 kW

Special frame

DIN

Special frame with 3 hose reels

3 x 143 - 3 x 45 cu.in./min
(3 x 2.35 - 3 x 0.7 l/min)

3 x 143 - 3 x 45 cu.in./min
(3 x 2.35 - 3 x 0.7 l/min)

3 x 143 - 3 x 45 cu.in./min
(3 x 2.35 - 3 x 0.7 l/min)

22 x 21.7 x 19.5 in.
(558 x 551 x 495 mm)

19.2 x 17.3 x 18.8 in.
(488 x 440 x 485 mm)

33 x 28 x 19.5 in.
(842 x 710 x 495 mm)

97 lbs. (44 kg)

104 lbs. (48 kg)

220.5 lbs. (100 kg)