

DutyMax EH/GH™ 230/300, DH230 HD Hydraulic Sprayers

334606J

EN

For professional use only.

Not approved for use in explosive atmosphere or hazardous locations.

For portable airless spraying of architectural paints and coatings.

3300 psi (22.8 MPa, 228 bar) Maximum Working Pressure

See page 3 for model information, including maximum working pressure and approvals.



Important Safety Instructions

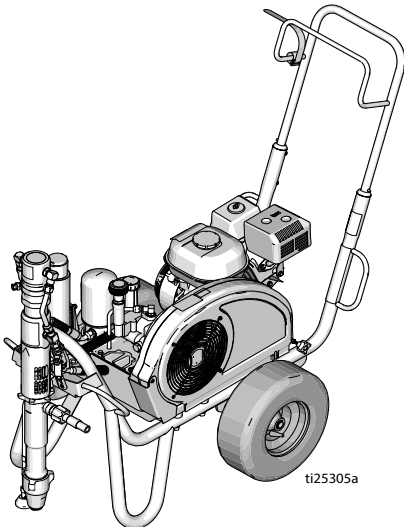
Read all warnings and instructions in this manual and in related manuals.

Be familiar with the controls and the proper usage of the equipment.

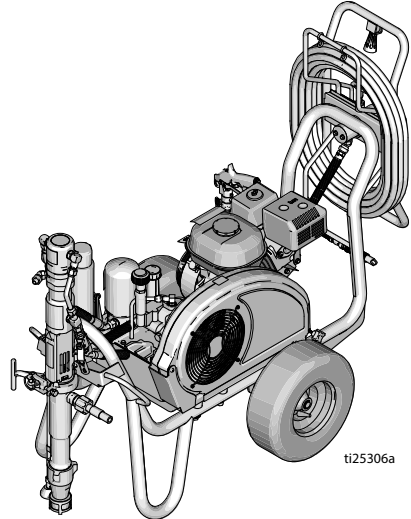
Save these instructions.

Related Manuals:

308491	DutyMax DH/GH230 Gun	334654	Pump
309495	DutyMax GH300 Gun	310812	Electric Motor



Standard Series



ProContractor Series

Use only genuine Graco replacement parts.

The use of non-Graco replacement parts may void warranty.



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Technical Data

Technical Data

DutyMax EH230 HD Standard Series		
	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Motor	3.0 HP	2.2 kW
Voltage, Amperage Frequency Phase	220 VAC, 15.0 A, 50 Hz, 1 phase	220 VAC, 15.0 A 50 Hz, 1 phase
Maximum tip size	0.039	
Maximum free-flow delivery	1.56 gpm	5.9 l/min
Hose connection	3/8 npsm (f)	
Cycles per gallon	80	21.1
Sound Levels (Measured at maximum normal load conditions)		
Engine HP	3.0	
Sound pressure	80 dBa	
Sound power	95	
Inlet/Outlet Sizes		
Fluid inlet size in.	1 npt (m)	
Fluid outlet size in.	3/8 npt (m)	
Weight		
	197 lb.	89 kg
Width		
	26.5 in.	67 cm
Length (Handle bar retracted)		
	47.7 in.	121 cm
Height (Handle bar retracted)		
	35.5 in.	90 cm

DutyMax EH300 HD Standard Series		
	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Motor	7.5 HP	5.5 kW
Voltage, Amperage Frequency Phase	400 VAC, 11.0 A, 50 Hz, 3 phase	400 VAC, 11.0 A 50 Hz, 3 phase
Maximum tip size	0.057	
Maximum free-flow delivery	3.0 gpm	11.3 l/min
Hose connection	1/2 npsm (f)	
Cycles per gallon	52	13.7
Sound Levels (Measured at maximum normal load conditions)		
Engine HP	7.4	
Sound pressure	80 dBa	
Sound power	95	
Inlet/Outlet Sizes		
Fluid inlet size in.	1 npt (m)	
Fluid outlet size in.	1/2 npt (m)	
Weight		
	236 lb.	107 kg
Width		
	26.5 in.	67 cm
Length (Handle bar retracted)		
	47.7 in.	121 cm
Height (Handle bar retracted)		
	35.5 in.	90 cm

Maximum back fuse rating for EH300 HD:

Fuse type aM: 63A

Fuse type gL: 80 A

NOTE: Under voltage release coil in motor starter for EH300 HD will not energize if voltage is less than 85% of listed voltage in Technical Data table.

Under voltage release coil in motor starter for EH300 HD will de-energize and sprayer will stop if voltage drops to 85% of rated nominal voltage. Voltage will need to be increased and sprayer will need to be restarted.

NOTE: To operate the EH300 HD (24M056) sprayer with a generator, the generator must be sized for 5 kW output (minimum).

Technical Data

DutyMax GH230 HD Standard Series

	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Maximum hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Engine	200 cc (6.5 HP)	
Maximum tip size	0.053	
Maximum free-flow delivery	2.35 gpm	8.9 l/min
Hose connection	3/8 npsm (m)	
Noise (dBa)		
Maximum sound pressure	96 dBa	
Maximum sound power	110 dBa	
Inlet/Outlet Sizes		
Fluid inlet size	1 5/16-12 UN-ZA	
Fluid outlet size	3/8 npt (f)	
Weight		
	199 lbs.	90 kg
Width		
	26.5 in.	67 cm
Length		
	47.7 in.	121 cm
Height (Handle bar retracted)		
	35.5 in.	90 cm

DutyMax GH300 HD Standard Series		
	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Maximum hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Engine	270 cc / 305 cc (9.0 HP / 10.0 HP)	
Maximum tip size	0.057	
Maximum free-flow delivery	3.0 gpm	11.4 l/min
Hose connection	3/8 npsm (m)	
Noise (dBa)		
Maximum sound pressure	96 dBa	
Maximum sound power	110 dBa	
Inlet/Outlet Sizes		
Fluid inlet size	1 5/16-12 UN-ZA	
Fluid outlet size	3/8 npt (f)	
Weight		
	218 lbs	99 kg
Width		
	26.5 in.	67 cm
Length		
	47.7 in.	121 cm
Height (Handle bar retracted)		
	35.5 in.	90 cm

Technical Data

DutyMax EH230 HD ProContractor Series

	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Engine	3.0 HP	2.2 kW
Voltage, Amperage Frequency Phase	220 VAC, 15.0 A, 50 Hz, 1 phase	220 VAC, 15.0 A 50 Hz, 1 phase
Maximum tip size	0.039	
Maximum free-flow delivery	1.56 gpm	5.9 l/min
Hose connection	3/8 npsm (f)	
Cycles per gallon	80	21.1
Sound Levels (Measured at maximum normal load conditions)		
Engine HP	3.0	
Sound pressure	80 dBa	
Sound power	95	
Inlet/Outlet Sizes		
Fluid inlet size in.	1 npt (m)	
Fluid outlet size in.	3/8 npt (m)	
Weight		
	227 lbs.	103 kg
Width		
	26.5 in.	67 cm
Length		
	52 in.	132 cm
Height		
	39 in.	99 cm

DutyMax EH300 HD ProContractor Series

	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Engine	7.5 HP	5.5 kW
Voltage, Amperage Frequency Phase	400 VAC, 11.0 A, 50 Hz, 3 phase	400 VAC, 11.0 A 50 Hz, 3 phase
Maximum tip size	0.057	
Maximum free-flow delivery	3.0 gpm	11.3 l/min
Hose connection	1/2 npsm (f)	
Cycles per gallon	52	13.7
Sound Levels (Measured at maximum normal load conditions)		
Engine HP	7.4	
Sound pressure	80 dBA	
Sound power	95	
Inlet/Outlet Sizes		
Fluid inlet size in.	1 npt (m)	
Fluid outlet size in.	1/2 npt (m)	
Weight		
	266 lbs	120.6 kg
Width		
	26.5 in.	67 cm
Length		
	52 in.	132 cm
Height		
	39 in.	99 cm

Technical Data

DutyMax DH230/GH230 HD ProContractor Series

	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Maximum hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Engine		
DH230	350 cc (6.7 HP)	
GH230	200 cc (6.5 HP)	
Maximum tip size	0.053	
Maximum free-flow delivery	2.35 gpm	8.9 l/min
Hose connection	3/8 npsm (m)	
Noise (dBa)		
Maximum sound pressure		
DH230	91 dBa	
GH230	96 dBa	
Maximum sound power		
DH230	106 dBa	
GH230	110 dBa	
Inlet/Outlet Sizes		
Fluid inlet size	1 5/16-12 UN-ZA	
Fluid outlet size	3/8 npt (f)	
Weight		
DH230	266 lb.	121 kg
GH230	229 lb.	104 kg
Width		
	26.5 in.	67 cm
Length		
	52 in.	132 cm
Height (Hose Reel Up)		
	39 in.	99 cm
OEM Kit		
Paint/Hydraulic pressure ratio	1.78:1	
Max cycle rate	145 cpm	
User Supplied Input		
Max hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Hydraulic flow required in free-flow	6.60 gpm	25.0 l/min
Unit Output		
Max fluid Pressure	3300 psi	22.8 MPa, 228 bar
Max flow	3.0 gpm	11.4 l/min
Weight		
	35 lb.	15.9 kg
Width		
	8.94 in.	227 mm
Depth		
	5.38 in.	137 mm
Height		
	28.80 in.	732 mm

DutyMax GH300 HD ProContractor Series

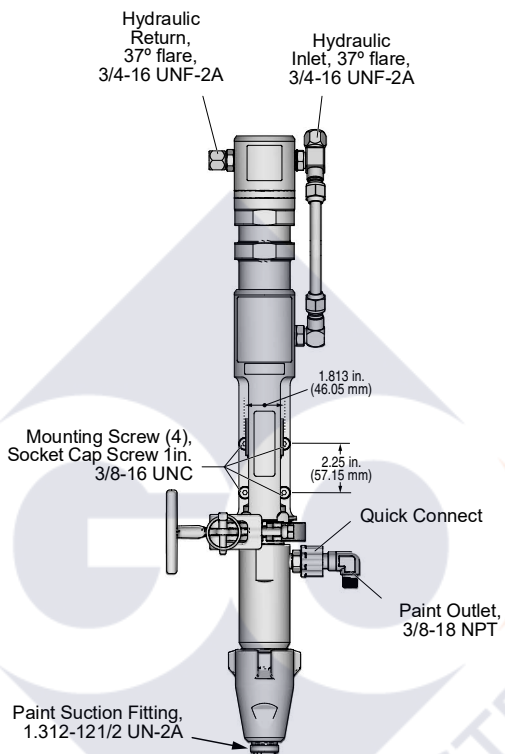
	US	Metric
Maximum fluid working pressure	3300 psi	22.8 MPa, 228 bar
Hydraulic reservoir capacity	1.25 gallons	4.75 liters
Maximum hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Engine	270 cc / 305 cc (9.0 HP / 10.0 HP)	
Maximum tip size	0.057	
Maximum free-flow delivery	3.0 gpm	11.4 l/min
Hose connection	3/8 npsm (m)	
Noise (dBA)		
Maximum sound pressure	96 dBA	
Maximum sound power	110 dBA	
Inlet/Outlet Sizes		
Fluid inlet size	1 5/16-12 UN-ZA	
Fluid outlet size	3/8 npt (f)	
Weight		
	248 lb.	112 kg
Width		
	26.5 in.	67 cm
Length		
	52 in.	132 cm
Height (Hose Reel Up)		
	39 in.	99 cm
OEM Kit		
Paint/Hydraulic pressure ratio	1.78:1	
Max cycle rate	145 cpm	
User Supplied Input		
Max hydraulic pressure	1855 psi	12.8 MPa, 128 bar
Hydraulic flow required in free-flow	6.60 gpm	25.0 l/min
Unit Output		
Max fluid Pressure	3300 psi	22.8 MPa, 228 bar
Max flow	3.0 gpm	11.4 l/min
Weight		
	35 lb.	15.9 kg
Width		
	8.94 in.	227 mm
Depth		
	5.38 in.	137 mm
Height		
	28.80 in.	732 mm

All Models:

Basic Sprayer Wetted Parts:

Zinc and nickel-plated carbon steel, stainless steel, PTFE, acetal, chrome plating, leather, V-Max UHMWPE, aluminum, tungsten carbide, ceramic, nylon

GH230/300 OEM 24W299



Notes



Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.



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