

# Self-priming engine pumps CLEAR or SLIGHTLY HEAVY WATER – GASOLINE engines GE Serie FLOW until 100 m<sup>3</sup>/h - model 4" (ND 100)

**APPLICATIONS:** low pressure, high flow for WATERING, IRRIGATION, TANK DRAINAGE, WASHING...

**WATER** : clear or slightly heavy water, containing sludges, sand and particles of maximum diameter 6 mm.

**Self-priming** : until 7 m from water level to shaft level of pump.

**Construction** : **pump body** : moulded die cast aluminium  
**impeller and diffuser** : grey cast iron  
**mechanical seal** : carbon-ceramic  
metallic tubular frame or skid with handle (EG-35H)

**Engine power** : driven by gasoline 4 stroke engines, conform to the new **EU norm n° 2002-88-CE** regarding pollution for exhaust gas, with or without oil safety device.

**Delivery** : in reinforced individual carton box with notice, CE certificate, hose fitting, band hose and strainer.

**Options** : suction and discharge hoses, trolleys, float set.

## CARACTERISTICS & PERFORMANCES

**Diameter of particles : 6 mm**

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m <sup>3</sup> /h)	HEAD MAXI (m)	Best duty point (m <sup>3</sup> /h to m)	weight (kg)	Dimensions (cm)
	Type	ch	Autonomy						
<b>GASOLINE</b>									
GE 35 H	GL 35	1,8	1h30	25	10	40	3.6 à 25	5.5	36x24x30
GE 60 H	GL 140U2	5	2h10	50	45	30	23 à 15	23.3	47x36x35
GE 60 HA*	GL 140U2	5	2h10	50	45	30	23 à 15	23.3	47x36x35
GE3 100 H	GL 180U2	7.5	2h20	75	80	32	37 à 17	29.5	54x39x44
GE3 100 HA*	GL 180U2	7.5	2h20	75	80	32	37 à 17	29.5	54x39x44
GE2 120 HA*	GL 260U1	10	3h15	100	100	28	60 à 16	49.5	65x47x62

(\*) Models with oil safety device.

GE 35H



GE 60H



GE 100HA



GE2 120HA



1

Specification sheet on request.

**Permanent stock**

# Self-priming engine pumps HIGH PRESSURE – GASOLINE engines

**GEF Serie Pressure until 9 bars**

**APPLICATIONS:** high pressure, reduced flow, FIRE FIGHTING, POWERFULL WASHING, PRESSURISED IRRIGATION.

**WATER** : clear without particles (less than 3 mm) in the water.

**Self-priming** : until 7 m from water level to shaft level of pump.

**Construction** : **pump body** : moulded die cast aluminium  
**impeller and diffuser** : in moulded die cast aluminium (double impeller for GEW-50HA)  
**mechanical seal** : carbon-ceramic  
 metallic tubular frame or skid with handle (GEF-25HA)

**Engine power** : driven by gasoline stroke engines, conform to the new **EU norm n° 2002-88-CE** regarding pollution for exhaust gas, with or without oil safety device.

**Discharge piping** : All high pressure models (except GEF-25H) are equipped with a three outlet discharge pipe. It allows to use 2 hoses of 1" with 4 sprayers on each or one main discharge in 40 or 50 mm. It is possible to use the pump with the main outlet and one small size outlet together.

**Delivery** : in reinforced individual carton box with notice, CE certificate, hose fitting, band hose and strainer.

**Options** : suction and discharge hoses, fire coupling, nozzle, branchpipes, trolley, float set...

## CARACTERISTICS & PERFORMANCES

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m3/h)	HEAD MAXI (m)	Best duty point (m3/h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
<b>GASOLINE</b>									
GEF 25 HA*	GXH50	3,4	2h30	25	15	60	6 at 30	11.5	42x31x46
GEF2 40 H	GX120U1	5	2h15	40	20	50	10 at 30	24	50x37x44
GEF3 50 H	GX160U1	7.5	2h15	50	28	72	14 at 51	32	55x41x49
GEW 50 HA*	GX270	10	2h20	50	35	95	12 at 70	46	72x58x61

Three outlet discharge pipe



(\*) Models with oil safety device.

**GEW-50HA : with starter 12 V, battery support included. Option: battery.**

9 bars

GEF 25H



GEF2 40H



GEF3 50H



GEW 50H



# Self-priming engine pumps CLEAR or SLIGHTLY HEAVY WATER - DIESEL engines DE Serie **Flow until 100 m3/h - model 4" (DN100)**

**APPLICATIONS:** low pressure, high flow for WATERING, IRRIGATION, TANK DRAINAGE, WASHING...

**WATER** : clear or slightly heavy water, containing sludges, sand and particles of maximum diameter 6 mm.

**Self-priming** : until 7 m from water level to shaft level of pump.

**Construction** : **pump body** : moulded die cast aluminium  
**impeller and diffuser** : grey cast iron  
**mechanical seal** : carbon-ceramic  
metallic tubular frame or skid with handle

**Engine power** : Diesel engines at the actual EU norm.

**Delivery** : in reinforced individual carton box with notice, CE certificate, hose fitting, band hose and strainer.

**Options** : suction and discharge hoses, trolleys, float set.

## CHARACTERISTICS & PERFORMANCES

**Diameter of particles : 6 mm**

**pump mounted  
on a float set**



MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m3/h)	HEAD MAXI (m)	Best duty point (m3/h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
<b>DIESEL</b>									
DE3 60 LD	D242D	4,8	2h45	50	40	28	20 at 15	45	53x48x54
DE3 90 LD	D252D	4,8	2h35	75	64	28	39 at 15	46.5	62x45x56
DE2 110 LD	D272D	5,5	2h15	100	100	27	60 at 15	58	72x45x63

**DE3 60LD**



**DE3 90LD**



**DE2 110LD**



**DS Serie Flow until 80 m3/h**

**APPLICATIONS:** low pressure, high flow for FLODS, PITS and TANK DRAINAGE, ACCIDENTS...

**WATER** : Medium heavy water, muds and particles of maximum diameter 20 mm.

**Self-priming** : until 7 m from water level to shaft level of pump.

**Construction** : **pump body** : moulded die cast aluminium.  
**impeller and diffuser** : cast iron GS20  
**mechanical seal** : SIC-SIC on both faces  
**quick and easy opening of the pump** thanks to very long head of the screws.  
metallic tubular frame painted steel.

**Engine power** : driven by gasoline 4 stroke engines, conform to the new **EU norm n° 2002-88-CE** regarding pollution for exhaust gas, with or without oil safety device.

**Delivery** : in reinforced individual carton box with notice, CE certificate, hose fitting, band hose and strainer.

**Options** : suction and discharge hoses, trolleys, float set.

**CARACTERISTICS & PERFORMANCES**

**Diameter of particles : 20 mm**

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m3/h)	HEAD MAXI (m)	Best duty point (m3/h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
<b>GASOLINE</b>									
DS 65 H	GE130U1	4	2h10	50	57	23	40 at 10	21	48x36x44
DS 65 HA*	GE130U1	4	2h10	50	57	23	40 at 10	21	48x36x44
DS 90 H	GE175U1	5.5	2h20	75	77	23	55 at 10	26	54x39x44
DS 90 HA*	GE175U1	5.5	2h20	75	77	23	55 at 10	26	54x39x44

(\*) Models with oil safety device.

**DS 65H**



**DS 90H**



# Self-priming engine pumps VERY HEAVY WATER

**TRASH**

## Gasoline engines & DIESEL engines

Flow until **120 m<sup>3</sup>/h - model 4" (DN100)**

**APPLICATIONS:** low pressure, high flow for CONSTRUCTION SITES, QUARRIES, MINES, GRAVELS, SAND ...

**WATER** : Very heavy water, mud, washing and particles of maximum diameter 25 mm (TED 50) and 35 mm (TED 80 and 100).

**Self-priming** : until 7 m from water level to shaft level of pump.

**Construction** : **pump body** : moulded die cast aluminium.  
**impeller and diffuser** chrome iron casting (Ni-hard) high hardness.  
**mechanical seal** : SIC-SIC on both faces  
**quick opening of the pump** : the pump front cover is removable, thanks to two screws with handles, to take away any foreigner matter blocking the pump and re-assembly the pump quickly. A special tool to tight hardly the front cover is attached on the frame.  
 metallic tubular frame all around the pump and double frame in the bottom with rubber silent block between.



**Engine power** : gasoline engines and DIESEL engines at the actual EU norm.

**Delivery** : in reinforced individual carton box with notice, CE certificate, hose fitting, band hose and strainer.

**Options** : suction and discharge hoses, trolleys, float set.

### CARACTERISTICS & PERFORMANCES

Diameter of particles : 20 mm (GED 65) & 25 mm (GED 90 and 110)

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m <sup>3</sup> /h)	HEAD MAXI (m)	Best duty point (m <sup>3</sup> /h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
<b>Gasoline</b>									
GED 65 HA*	G180U2	7.5	2h30	50	58	26	42 at 10	38.6	64x43x49
GED 90 HA*	G260U2	9	3h15	75	88	30	65 at 10	39	72x54x67
GED 110 HA*	G360U2	12	2h35	100	120	23	85 at 10	76.4	76x51x68
<b>DIESEL</b>									
GED 65 LD	D252D	5,5	2h35	50	60	28	40 at 10	42	64x44x56
GED 90 LD	D282D	7,5	2h30	75	80	25	65 at 10	58	71x45x64
GED 110LD	D430D	10	2H10	100	120	23	60 at 15	94	82x52x67



**GED 90HA**

(\*) Models with oil safety device.

**GED 110HA**



**GED 110 LD**



With the development of a new standard norm block construction Impeler offers a modular and compact electrically driven pump design that is fully in-sync with the companies “lowest cost of ownership” philosophy. Using high efficiency pumps and electric motors, the pumps offer maximum performance at minimal cost. In addition to a standard control box and soft starter, the pump units can also be provided with a frequency converter; which ensures a maximum control over the pumping process.



Model	Pump			Model	Motor 400V 50Hz				
	Flow m <sup>3</sup> /h	Head m	Ø mm		Power kW	Speed rpm	Start-up	Frame	Canopy
80H D255	110	115	25	MGH2 250M-2	55	2970	soft starter	BF10-18	L10-23
00K D198	130	15	82	MGH2 132S-4	5.5	1450	soft starter	BF10-18	L10-23
100E D15	260	21	80	MGH2 160L-4	15	1460	soft starter	BF10-18	L10-23
150E D18.5	430	24	80	MGH2 180M-4	18.5	1470	soft starter	BF10-18	L10-23
200E D45	650	31	80	MGH2 225M-4	45	1475	soft starter	BF10-18	L10-23
300K D90	1500	22	100	MGH2 280M-4	90	1485	DOL	F12-27	M12-30
C400S8 D150	3200	45	114	MGH2 355L-6	250	990	DOL	F15-34	-
C600S12 D250	6500	24	133	MGH2 355L-10	250	600	DOL	F20-40	-



# GL Series

Diesel Driven Dewatering and Sewage Pumps 4" - 6"



### Fast tow trailer

A custom built, road-legal trailer for all 4" and 6" pump units in M10-23 canopy or BF10-23 frame.



### Site trailer

Off road trailer for all 4" and 6" pump models in M 10-23 canopy or BF 10-23 frame.

Model	Pump		Ø mm	Brand	Diesel engine			Canopy	Frame	Stock model
	Flow m <sup>3</sup> /h	Head m			Model	Power kW	Speed rpm			
GL100K D5.5	135	18	82	Hatz	1D81Z	5,5	1500	M10-19	-	<input checked="" type="checkbox"/>
GL100E D13	250	23	80	Perkins	403D-15	13	1500	M10-23	BF10-23	
GL100E D23	265	35	80	Perkins	404D-22	23	1800	M10-23	BF10-23	
GL150E D20	460	27	80	Perkins	404D-22	20	1500	M10-23	BF10-23	
GL150E D34	475	37	80	Perkins	404D-22T	34	1800	M10-23	BF10-23	<input checked="" type="checkbox"/>

# GL Series

Diesel Driven Dewatering and Sewage Pumps 6" - 12"



Model	Pump Flow m <sup>3</sup> /h	Head m	Ø mm	Diesel engine			Canopy	Frame	Stock model	
				Brand	Model	Power kW				Speed rpm
GL150E D54	490	48	80	Perkins	1104D-44T	54	2100	EW12-25	F8-30	
GL200E D45	700	32	80	Perkins	1104D-44T	45	1500	EW12-25	F8-30	<input checked="" type="checkbox"/>
GL200E D100	750	53	80	John Deere	4045HF285	100	2000	EW12-25	F8-30	
GL-C200S4 D75	900	58	86	John Deere	4045HF285	75	1800	EW12-33	F10-33	
GL-C300S4 D68	1400	41	102	Perkins	1104D-44TA	68	1500	EW12-33	F15-40	
GL300K D67	1400	18	100	Perkins	1104D-44TA	67	1500	EW12-33	F10-36	<input checked="" type="checkbox"/>
GL-C250S4 D95	1400	44	86	Perkins	1106D-E66TA	95	1500	EW12-40	F10-36	
GL300K D95	1550	24	100	Perkins	1106D-E66TA	95	1500	EW12-40	F10-36	

# AG Series

Diesel Driven High Flow Pumps 14" - 30"



Model	Flow m <sup>3</sup> /h	Pump		Power kW	Speed rpm	Diesel engine emission level			Canopy
		Head m	Ø mm			Stage IIIA	Stage IIIB	Stage IV	
AG-C350S8 D160	2000	40	102	160	1200	5630006221	5630006220	5630006225	EL 15-45
AG-C400S8 D130	2700	31	114	130	820	5630006262	5630006263	5630006264	EL 15-50
AG-C450S8 D190	4000	33	127	190	750	5630006384	5630006385	5630006386	EL 15-50
AG-C500S11 D360	5500	37	127	360	750	5630006431	5516604955	5516604955	EL 24-60
AG-C600S12 D190	6500	24	133	190	615	5630006461	5630006462	5630006463	EL 24-60

