

TSURUMI

Engine Pumps



clear or slightly heavy water
Irrigation, watering.



Heavy water containing particles up to 20 mm. SEMI-TRASH
Floods.



Clear water
fire protection, washing, irrigation.



FLOW
from 5 m³/h
up to 120 m³

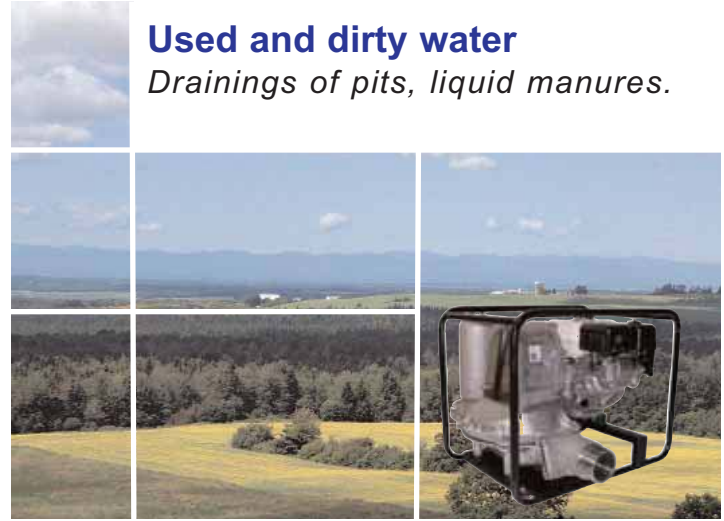
Diameter of particles inside water
from 2 mm to 40 mm

PRESSURE
up to 9 bars

Heavy water from working site containing particles up to 35mm. TRASH
Construction, floods, quarries.



Used and dirty water
Drainings of pits, liquid manures.



Self-priming engine pumps CLEAR or SLIGHTLY HEAVY WATER - HONDA engines



TE Serie FLOW until 100 m³/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 (TEM-25H)

Engine power : driven by gasoline HONDA 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.

HONDA

**100 %
made in Japan**

CARACTERISTICS & PERFORMANCES

Diameter of particles : 6 mm

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m ³ /h)	HEAD MAXI (m)	Best duty point (m ³ /h to m)	weight (kg)	Dimensions (cm)
	Type	ch	Autonomy						
GASOLINE									
TEM 25 H	GX25	1,8	1h30	25	7.7	40	3.6 à 25	5.5	36x24x30
TET 50 H	GX120U1	4	2h10	50	35	30	23 à 15	23.3	47x36x35
TET 50 HA*	GX120U1	4	2h10	50	35	30	23 à 15	23.3	47x36x35
TE3 80 H	GX160U1	5.5	2h20	75	66	32	37 à 17	29.5	54x39x44
TE3 80 HA*	GX160U1	5.5	2h20	75	66	32	37 à 17	29.5	54x39x44
TE2 100 HA*	GX240U1	8	3h15	100	108	28	60 à 16	49.5	65x47x62

(*) Models with oil safety device.

100 m³/h



TEM 25H



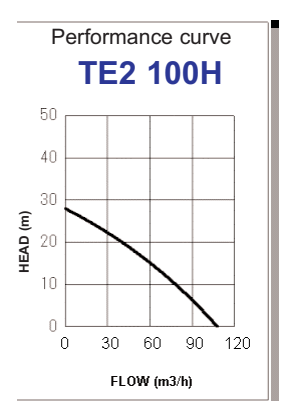
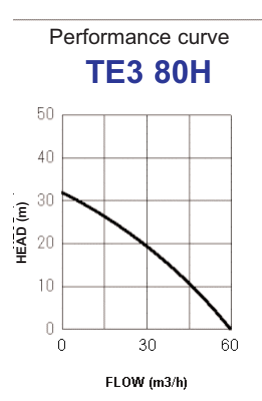
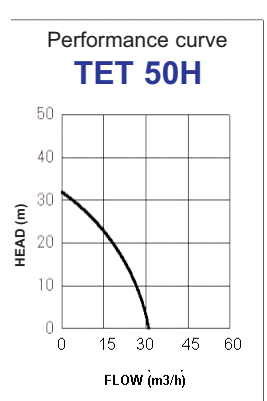
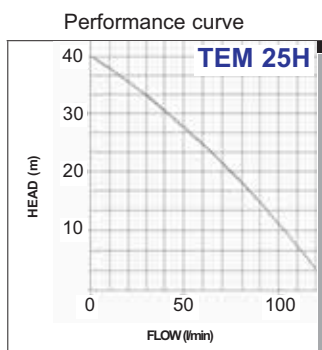
TET 50H



TE3 80H



TE2 100H



2

Specification sheet on request.

Permanent stock

Self-priming engine pumps HIGH PRESSURE - HONDA engines



TEF Serie Pressure until 9 bars

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

WATER : clear without particles (less than 2 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 TEW-50HA)
mechanical seal : carbon-ceramic
 metallic tubular frame or skid with handle (TEF-25HA)

Engine power : driven by gasoline HONDA 4 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 TEF-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.

Livraison : 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...

**100 %
made in Japan**

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						
GASOLINE									
TEF 25 HA*	GXH50	2,4	2h30	25	12.6	60	6 at 30	11.5	42x31x46
TEF2 40 H	GX120U1	4	2h15	40	18	50	10 at 30	24	50x37x44
TEF3 50 H	GX160U1	5.5	2h15	50	24	72	14 at 51	32	55x41x49
TEW 50 HA*	GX270	9	2h20	50	30	95	12 at 70	46	72x58x61

Three outlet discharge pipe



(*) Models with oil safety device.

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

9 bars



TEF 25H



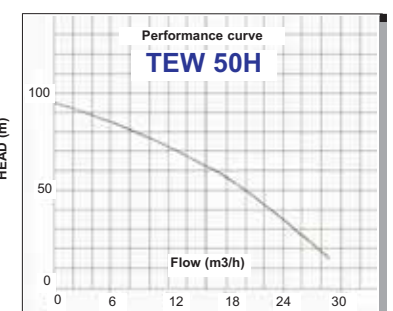
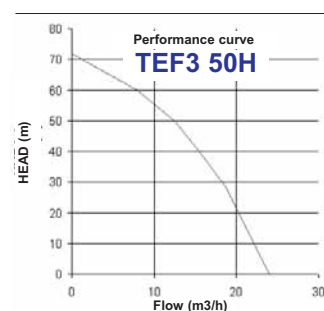
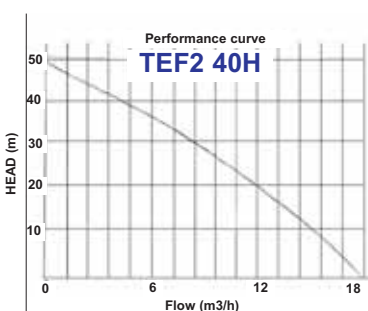
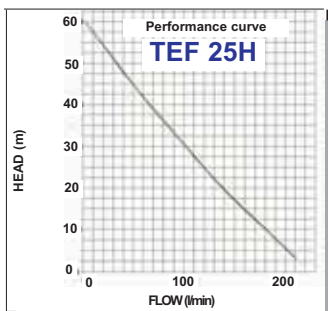
TEF2 40H



TEF3 50H



TEW 50H



Self-priming engine pumps CLEAR or SLIGHTLY HEAVY WATER - DIESEL ROBIN engines



TE 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 ROBIN 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.



**100 %
made in Japan**

CARACTERISTICS & PERFORMANCES

Diameter of particles : 6 mm

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m ³ /h)	HEAD MAXI (m)	Best duty point (m ³ /h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
DIESEL									
TE3 50 RD	DY232D	4,8	2h45	50	30	28	20 at 15	45	53x48x54
TE3 80 RD	DY232D	4,8	2h35	75	54	28	39 at 15	46.5	62x45x56
TE2 100 RD	DY272D	5,5	2h15	100	95	27	60 at 15	58	72x45x63

pump mounted on a float set



120 m³/h



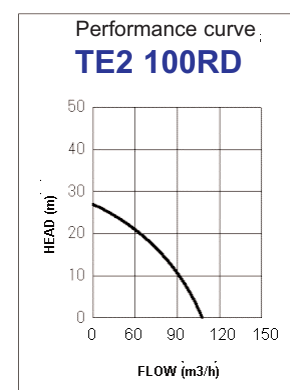
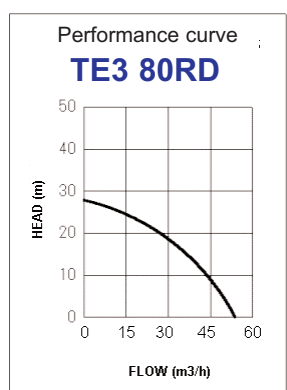
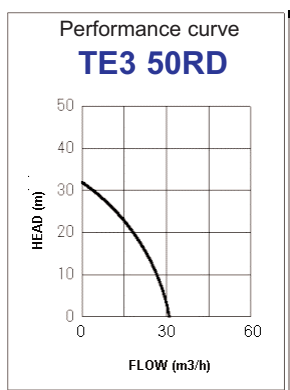
TE3 50RD



TE3 80RD



TE2 100RD



APPLICATIONS: low pressure, high flow for FLOODS, 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.



**100 %
made in Japan**

Engine power : driven by gasoline HONDA 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.

CHARACTERISTICS & 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						
GASOLINE									
TDS 50 H	GX120U1	4	2h10	50	47	23	40 at 10	21	48x36x44
TDS 50 HA*	GX120U1	4	2h10	50	47	23	40 at 10	21	48x36x44
TDS 80 H	GX160U1	5.5	2h20	75	67	23	55 at 10	26	54x39x44
TDS 80 HA*	GX160U1	5.5	2h20	75	67	23	55 at 10	26	54x39x44

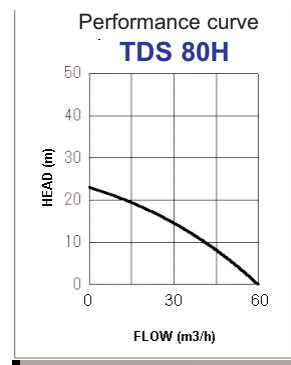
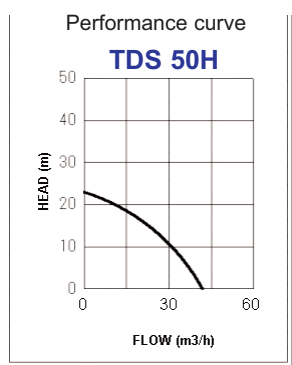
(*) Models with oil safety device.



TDS 50H



TDS 80H



Self-priming engine pumps VERY HEAVY WATER

TRASH



Gasoline HONDA engines & DIESEL ROBIN Engines

TED Serie Flow until 120 m³/h - modèle 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

**100 %
made in Japan**

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 HONDA engines and DIESEL ROBIN 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 (TED 50) & 25 mm (TED 80 and 100)

MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m ³ /h)	HEAD MAXI (m)	Best duty point (m ³ /h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
Honda Gasoline									
TED 50 HA*	GX160U1	5.5	2h30	50	48	26	42 at 10	38.6	64x43x49
TED 80 HA*	GX240U1	8	3h15	75	78	30	65 at 10	39	72x54x67
TED 100 HA*	GX340U1	10	2h35	100	120	23	85 at 10	76.4	76x51x68
Robin DIESEL									
TED 50 RD	DY232D	4,8	2h35	50	50	28	40 at 10	42	64x44x56
TED 80 RD	DY272D	5,5	2h30	75	90	25	65 at 10	58	71x45x64
TED 100RD	DY410D	8,5	2H10	100	120	23	60 at 15	94	82x52x67



TED 80HA

(*) Models with oil safety device.

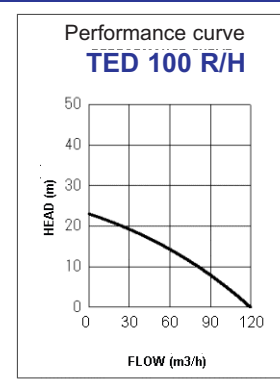
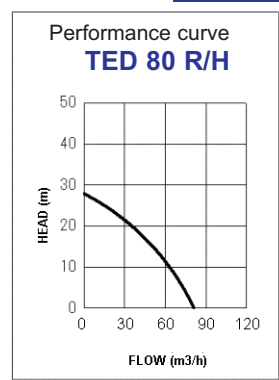
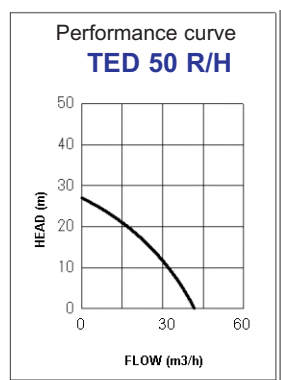


TED 100HA



TED 100 RD

120 m³/h



Self-priming diaphragm pump HONDA Engine

TD Serie



APPLICATIONS: High power of suction for thick liquids, containing abrasives or solid particles in suspension, draining of excavations, pouring of bentonite slurry, sticky liquid, septic tank, liquid manure.

WATER : waste and sludges water, thick and dense liquids, diameter of particles maximum : 40 mm.

Self-priming : until 8 m from water level to shaft level of pump.

Construction : **pump body** : moulded die cast aluminium
diaphragm : neoprene
 gearbox, air compensation device, rigid rod.
 rubber ball check valve
 metallic tubular frame all around the pump

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

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

**100 %
made in Japan**



CARACTERISTICS & PERFORMANCES

Diameter of particles : 40 mm

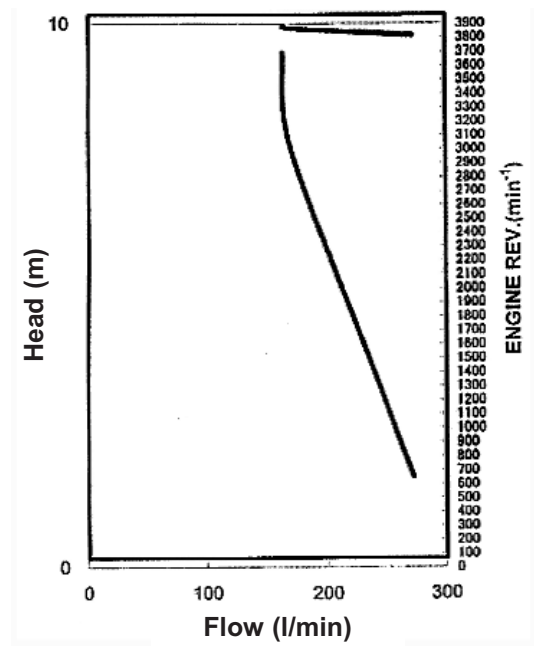
MODELS	ENGINE POWER			Diameter S/D (mm)	FLOW MAXI (m3/h)	HEAD MAXI (m)	Best duty point (m3/h at m)	weight (kg)	Dimensions (cm)
	Type	hp	Autonomy						
GASOLINE									
TD 300 HA	GX160	5,5	2h30	75	14,4	15	10 at 5	45	66x42x51



TD 300H

Performance curve

TD 300HA



ACCESSORIES AND OPTIONS common to all the engine pumps

Multipurpose float set specially made for engine pumps



Float set alone



with additional
Float set



- ❖ the main float set (floatable capacity per unit is off 100 kg) and the central additional float set (100 kg more, total floatable capacity is 200 kg).
- ❖ supporting and hanging fixing devices
- ❖ duckboard plate
- ❖ hook and rings
- ❖ complete suction piping for engine pumps



TROLLEYS for engine pumps

Trolley with very well balanced thick tube

Rotating reel easy to manipulate.
Capacity : 40 m of fire hoses.



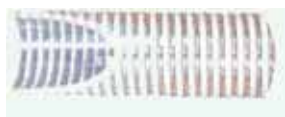
Universal trolley thanks to the duckboard plate



Special tubular frame with wheels and handles



SUCTION and DISCHARGE HOSES



Suction
ND25 to ND150



Suction hoses
ND45, ND70 and ND110
for fire-fighting



Discharge hoses
flat in PVC
WP from 5 to 10 bars



Discharge fire hoses
flat with
crimped coupling
ND25, ND45, ND 70, ND 110

Other hoses on request.

SPECIFIC COUPLING



COUPLING
1/2 SYM or DSP



STORZ
COUPLING

Other couplings on request.