







# MISSION AND VALUES

We offer professionals a wide choice of solutions adapted to the highest quality and safety requirements. Worms Entreprises revolves around 5 essential values:

## 1. SERVICE

Aware that our success depends on customer satisfaction, we work daily for continuous improvement and a permanent search for quality of service. The responsiveness of our teams and the flexibility of our organization guarantee the delivery of materials and parts as soon as possible. Our resellers based in France and abroad have a wide choice of standard and custom products. We offer them technical support and a source of supply of original spare parts. Our customers benefit from the confidence capital that their after-sales network, made up of more than 150 authorized workshops, brings them.

## 2. QUALITY

We select the best component suppliers and ensure the strictest compliance with European standards. We have a quality department that guarantees our customers an impeccable level of control from the design to the manufacture of our ranges, and a constant quest for service quality.

## 3. INNOVATION

Research and development are at the heart of our growth strategy and our technological company identity. With our expertise combined with our experience, we identify innovative solutions that anticipate and meet market demand. We also develop engineering solutions adapted to the specific demands of our customers.

## 4. PRECIOUS ASSETS

Worms Entreprises is a company with a human scale bringing together around thirty employees. Talent management in its diversity guarantees the strength and relevance of our expertise. Our human resources policy is based on concepts such as equality of opportunity and teamwork for more efficiency. Our company is committed to an accident prevention management system through training. All staff are mobilized to reach the only acceptable target for workplace safety: "zero accidents".

## 5. RESPECT FOR THE ENVIRONMENT



We are deeply committed to our responsible business approach by manufacturing materials that minimize our impact on the environment. Our new range of equipment is equipped with our STAGE V EU 2016/1628 certified internal combustion engines. This recent regulation aims to reduce polluting emission rates and fine particles. We are committed to respecting the standards in force and have joined an eco-organization approved by the public authorities under the conditions defined by art R543-197.



Worms Entreprises, a subsidiary of the IMER France group, is a major player in the market for industrial engines and motorized equipment. For the past 50 years, we have signed partnership agreements with manufacturers of industrial engines with strong world renown which guarantee us the exclusivity of the sale of ROBIN / SUBARU engines renamed since EX WORMS and CC ROBIN. We distribute these industrial engines to French and European manufacturers specializing in garden equipment, public works and construction equipment. A large part of our activity is also focused on the manufacture and distribution of equipment such as generator sets, pump sets and high pressure washers, equipped with the engines of the brands mentioned above.



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# High Pressure Washer Range

8 High Pressure Washers, from 130 to 300 bar. Our High pressure washers are designed to meet the rigorous demands of the cleaning pro depending on flow and reliability. Perfect for contractors who specialize in deck cleaning, wood restoration, paint preparation, graffiti removal and all other professional cleaning services.

## PERFORMANCE

Pressure washers are available with both gasoline and electric motors. They have a high pressure output ranging from 150 to 300 bar depending on the model which allows them to carry out thorough cleaning. Their integrated handbarrows (removable) will allow you to forget the 40 to 68 kg when traveling. Our pressure washers are equipped with axial or radial pumps.

## MAINTENANCE

The engine and its components are easy to access, which will optimize maintenance time. Our pressure washers range are fitted with WORMS EX engines (except HPSTAR 190-10W) which gives them increased longevity.

## APPLICATION

Our pressure washers are perfect for cleaning facades, agriculture, public works and communities. Perfect for cleaning yards, workshops, vehicles...





# High Pressure Washers

## HPSTAR

Electric, Cold Water

High Pressure Washers Range

**Easy maintenance**

### HPSTAR ELECTRIC

Electric High Pressure Washers are suitable for medium-duty cleaning work and require little maintenance. They are more quiet and since there's no exhaust, you can use them indoors.

#### HPSTAR Electric Standard Equipment

- ✓ Ceramic high pressure nozzle
- ✓ 10 m pressure washer hose (210 bar)
- ✓ Pressure relief valve
- ✓ Detergent system
- ✓ Engine protection: thermal (130-9 EM)
- ✓ Engine protection: amperometric (130-10 EM)
- ✓ 5 m electrical cord
- ✓ Heavy duty steel frame
- ✓ Removable handbarrow
- ✓ Transport wheels

Removable Handbarrow

Steel Cover With Epoxy Paint

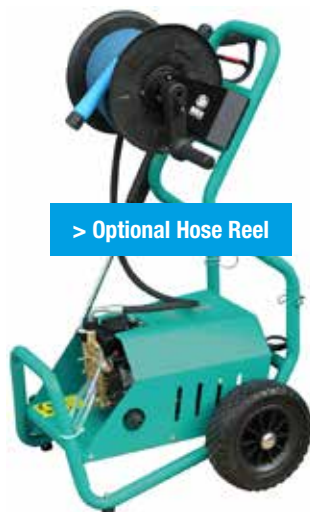


High-pressure Gun with Vario Power Single Lance

**HPSTAR 130-9 EM**

ENGINE <b>1 PHASE</b>	MAX. PRESSURE <b>130 bar</b>
COLD WATER	MAXIMUM FLOW <b>9 L/min</b>

> Optional Hose Reel



**HPSTAR 130-10 EM**



High-pressure Gun with Vario Power Twin Lance

ENGINE <b>1 PHASE</b>	MAX. PRESSURE <b>130 bar</b>
COLD WATER	MAXIMUM FLOW <b>10 L/min</b>



> Available accessories (see page 9)

Made in France		HPSTAR 130-9 EM	HPSTAR 130-10 EM
Pump Type		Axial	Axial
Pump Rotation	RPM	2 800	2 800
Maximum Pressure	bar / Mpa	130 / 13	130 / 13
Nominal Pressure	bar / Mpa	120 / 12	120 / 12
Maximum Flow	L/min - L/h	9 - 540	10 - 600
Engine		Electric - 230 V / 50 Hz	Electric - 230 V / 50 Hz
Power	kW	2.7	2.9
Power max.	HP	2.7	3
Dimensions L x W x H	mm	620 x 600 x 1 030	620 x 600 x 1 030
Net Weight	kg	48	50
Reference		0905HPS1309	0905HPS1310



# High Pressure Washers

## HPSTAR

Gasoline Engine, Cold Water

**Highly Portable**

### HPSTAR GASOLINE ENGINE

While gasoline High Pressure Washers tend to offer more power than electric models, they can vary in terms of how much cleaning force they provide from model to model. Where there is no power source, high pressure washers with gasoline engines offer maximum versatility and independence. You can use a gasoline pressure washer anywhere without worrying about finding an outlet.

#### HPSTAR Gasoline Engine Standard Equipment

- ✓ 4-stroke Gasoline ENGINE
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Spray gun + lance with swivel connector
- ✓ Ultra long life ceramic high pressure nozzles (except 190-10W)
- ✓ 10 m pressure washer hose 10 m - 1 tresse (except 300-15 with 2 tresses)
- ✓ Overheating safety device
- ✓ Pressure gauge (except 190-10W)
- ✓ Detergent system
- ✓ Stainless steel screws
- ✓ Removable handbarrow
- ✓ Transport wheels

High-pressure Gun with Vario Power Single Lance

Removable Handbarrow

**HPSTAR 190-10 W**

PETROL  
**RON 95**

**COLD**  
WATER

MAX. PRESSURE  
**190 bar**

MAXIMUM FLOW  
**10 L/min**



PETROL  
**RON 95**

**COLD**  
WATER

MAX. PRESSURE  
**150 bar**

MAXIMUM FLOW  
**13 L/min**

High-pressure Gun with Vario Power Twin Lance



Powered By

**HPSTAR 150-13**



PETROL  
**RON 95**

**COLD**  
WATER

MAX. PRESSURE  
**200 bar**

MAXIMUM FLOW  
**15 L/min**

High-pressure Gun with Vario Power Twin Lance

**HPSTAR 200-15**

Made in France		HPSTAR 150-13	HPSTAR 190-10 W	HPSTAR 200-15	HPSTAR 250-15	HPSTAR 200-21R	HPSTAR 300-15
Pump Type		Axiale	Axiale	Radial	Radial	Radial	Radial
Pump Rotation	RPM	3400	3400	3400	3400	1450	3400
Maximum Pressure	bar / Mpa	150 / 15	190 / 19	200 / 20	250 / 25	200 / 20	300 / 30
Nominal Pressure	bar / Mpa	140 / 14	180 / 18	180 / 18	235 / 23.5	180 / 18	280 / 28
Maximum Flow	L/min - L/h	13 - 780	10 - 600	15 - 900	15 - 900	21 - 1260	15 - 900
Engine		WORMS EX17	WORMS R210	WORMS EX27	WORMS EX40	WORMS EX40	WORMS EX40
Engine Type		OHC, 4-stroke gasoline	OHC, 4-stroke gasoline	OHC, 4-stroke gasoline	OHC, 4-stroke gasoline	OHC, 4-stroke gasoline	OHC, 4-stroke gasoline
Maximum power	HP	5.7	5.4	9	14	14	14
Fuel type		Petrol RON 95					
Fuel Tank Capacity	L	3.2	3.6	5.6	7	7	7
Run Time		2 h 45	2 h 45	3 h	2 h 30	2 h 30	2 h 30
Dimensions L x W x H	mm	620 x 600 x 1030	620 x 600 x 1030	700 x 700 x 1060	700 x 700 x 1060	775 x 560 x 720	775 x 560 x 720
Net Weight	kg	40	40	56	68	78	71
Reference		0905HPS1513	0905HPS1510A	0905420015	0905425015	09054A20021R	09054A30015





## HPSTAR 250-15

Removable Handbarrow

**EASY Start**



**COLD WATER**  
MAX. PRESSURE **250 bar**

**PETROL RON 95**  
MAXIMUM FLOW **15 L/min**

High-pressure Gun with Vario Power Twin Lance



Powered By

Foldable frame

Foldable frame

MAX. PRESSURE **300 bar**

MAXIMUM FLOW **15 L/min**

**PETROL RON 95**

**COLD WATER**

**EASY Start**

PUMP WITH **REDUCTION GEAR BOX**



## HPSTAR 200-21R



MAX. PRESSURE **200 bar**

MAXIMUM FLOW **21 L/min**

**PETROL RON 95**

**COLD WATER**

High-pressure Gun with Vario Power Twin Lance

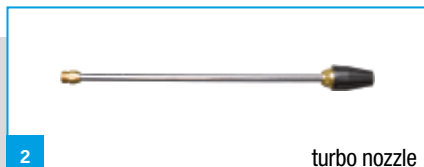
**EASY Start**



## HPSTAR 300-15



1



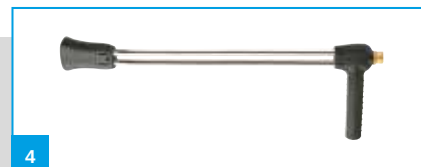
2

turbo nozzle



3

without marking



4



5



6



7



8



9

Optional equipments	HPSTAR 130-9 EM	HPSTAR 130-10 EM	HPSTAR 190-10 W	HPSTAR 150-13	HPSTAR 200-15	HPSTAR 250-15	HPSTAR 200-21R	HPSTAR 300-15
1. Hose reel (for 20 m hose)	optional	optional	optional	optional	optional	optional	optional	optional
2. 1/2 lance with turbo nozzle	030	035	030	040	045 and 045 P / 320 b	045 P / 320 b	060	045 P / 320 b
3. Pressure hose 5/16" - 1 Braid - 250 bar Pressure hose 5/16" - 2 Braids - 400 bar	10 or 20 m —	10 or 20 m —	10 or 20 m —	10 or 20 m 10, 20 or 40 m	20 m 10, 20 or 40 m	20 m 10, 20 or 40 m	20 m 10, 20 or 40 m	20 m 20 or 40 m
4. Twin Lance 300 mm (without nozzle) Twin Lance 605 mm (without nozzle)	optional optional	optional optional	optional optional	optional optional	optional optional	optional optional	optional optional	optional standard
5. Low pressure nozzle 50° (with twin lance)	—	optional	optional	optional	optional	optional	optional	optional
6. Ceramic nozzle 1/4 NPT male (with twin lance)	035-25°	035-25°	040-25°	030-25°	045-25°	040-25°	060-25°	035-25°
7. Coupling nipple M22x1.5	optional	optional	optional	optional	optional	optional	optional	optional
8. Drain unblocker kit	optional	optional	optional	optional	optional	optional	optional	optional
9. Sanding kit	—	—	optional	—	optional	optional	—	—



# High Pressure Washers

## HPSTAR - With Water Tank

Gasoline Engine, Cold Water

### HPSTAR WITH WATER TANK

A mobile and autonomous solution for prolonged high-pressure cleaning operations on construction sites and in municipalities: the HPSTAR 200-21R pressure washer on a trailer is equipped with an EX WORMS petrol engine (EU STAGE V) and a 1,000-liter water tank.



**Road Trailer**  
SINGLE-AXLE

PUMP WITH  
**REDUCTION  
GEAR BOX**

powered by



MAX. PRESSURE  
**200 bar**

MAXIMUM FLOW  
**18 L/min**

PETROL  
**RON 95**

**COLD  
WATER**

**HPSTAR 200-21R**

**WATER TANK  
1 000 L**

**Made in France**

**HPSTAR 200-21R**  
WITH 1000 LITER WATER TANK

**HPSTAR 200-21R**  
WITH 2000 LITER WATER TANK

Pump Type		Radial - Reduced Gear Box	
Pump Rotation	RPM	1 450	
Maximum Pressure	bar / Mpa	200 / 20	
Nominal Pressure	bar / Mpa	180 / 18	
Maximum Flow	L/min - L/h	18 - 1080	
Engine		WORMS EX40	
Type		OHC, 4-stroke gasoline	
Maximum power	HP	14	
Fuel type		Petrol RON 95	
Fuel Tank Capacity	L	7	
Run Time		2 h 30	
Water Tank Capacity	L	1000	2000
Dimensions L x l x H	mm	3663 x 1674 x 1660	4150 x 1948 x 1470
Net Weight	kg	504.5	792.5
Reference		0905CIT1000	0905CIT2000

powered by



## Road Trailer DOUBLE-AXLE

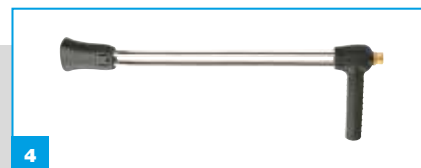
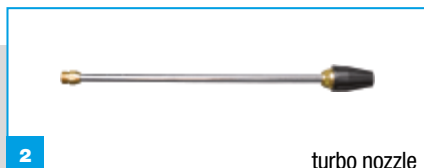
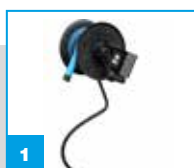


PUMP WITH  
**REDUCTION  
GEAR BOX**



HPSTAR 200-21R

WATER TANK  
**2000 L**



### Optional equipments

#### HPSTAR 200-21R WITH 1000 LITER WATER TANK

#### HPSTAR 200-21R WITH 2000 LITER WATER TANK

1. Hose reel (for 20 m hose)	standard	standard
2. 1/2 lance with turbo nozzle	045 P / 320 b	045 P / 320 b
3. Pressure hose 5/16" - 1 Braid - 250 bar	20 m	20 m
Pressure hose 5/16" - 2 Braids - 400 bar	10, 20 ou 40 m	10, 20 ou 40 m
4. Twin Lance 300 mm (without nozzle)	optional	optional
5. Low pressure nozzle 50° (with twin lance)	optional	optional
6. Ceramic nozzle 1/4 NPT male (with twin lance)	060-25°	060-25°
7. Coupling nipple M22x1.5	optional	optional
8. Drain unblocker kit	optional	optional





# Water Pumps Range

Watering and irrigation, fighting fire, transferring water from one basin to another, draining water quickly, intervening after a flood, draining site pits, emptying a flooded cellar, emptying household septic tank...

## What You Need to Know

### SELF PRIMING (SELF SUCTION)

A self priming pump creates a vacuum ensuring liquid is drawn towards the inlet of the pump, separating the air from the water. The air is discharged through the outlet with the liquid remaining in the pump until sufficient liquid enters the pump. All self priming pumps require water to be added to the pump casing to start the priming process.

### LIQUID NATURE

The nature of the fluid to be conveyed is very important in the choice of your surface pump.

The questions to ask are:

- Nature of the liquid: water, sea water, chemical, hydrocarbon, abrasive liquid etc.
- Solid size Ø: diameter of solids (in mm) contained in the liquid.

### DISCHARGE FLOW

The discharge flow is the volume of liquid that travels through the pump in a given time.

This volume is measured in cubic meter per h (m³/h) or in liters per minute (L/min).

As the total head increases, the flow rate decreases.

### HEAD LOSS

Any liquid conveyed inside a pipe is subjected to pressure and friction called head loss.

The pressure losses are expressed in meter of water column (mCE) and are determined by:

- hoses nature (length, diameter, valves);
- flow;
- water temperature.

The head loss is a very important criteria.

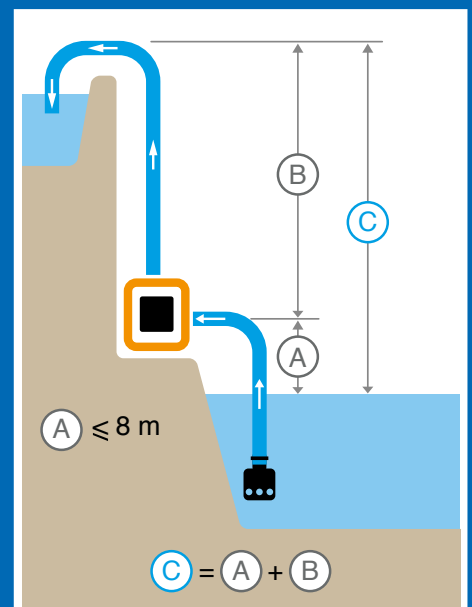
### Total Dynamic Head (TDH) Calculate the Performance of the Pump:

Total Dynamic Head **(C)** = Suction Head **(A)** + Discharge Head **(B)** + Head Loss (Hoses, Strainer, Elbows...)

**(A)** The suction head is the height between the water level and the pump. It is a physical law, it can never be greater than 8 m.

**(B)** The discharge head is the height between your pump and the highest point of output pipe. The Total head is expressed in meters.

The Total Head is expressed in meters. To determine the pressure in bar, divide the Total Head by 10.



# ELECTRIC Pumps

Submersible, 230 V / 50 Hz, Single Phase

Water Pumps Range

Submersible

## ELECTRIC

Our submersible pumps, compact and light weight, are specifically made for a daily and heavy duty use. An optimum sealing system and a thermal protection insure a safe use. They respond to many pumping applications: drain a pool in no time, empty a flooded basement, pump out a flooded trench, fill or empty a water storage tank or reservoir, irrigate a field, hose down a construction site, help drain a levy breach and more.



**3 YEARS WARRANTY**

PXL-25



STAINLESS STEEL PLATE



1" 25 mm

DISCHARGE FLOW 7.2 m³/h

VERTICAL OR HORIZONTAL DELIVERY

Leave only 1 mm of water



2" 50 mm

DISCHARGE FLOW 15.6 m³/h

PX-50

Can pump down to a height of 20 mm

BHV401S

### VORTEX IMPELLER

This pump is compact and economical, heavy-duty submersible pumps with a vortex impeller for sewage and wastewater applications. BHV401S feature a wide 25 mm large solids passage with a vortex design that reduces clogging of fibrous matter to a minimum.

2" 50 mm

DISCHARGE FLOW 15 m³/h

SOLIDE SIZE 25 mm

TRASH WATER

BHV401S



CONSTRUCTION SITE PUMP

Self-Priming

## WP-3LB

This compact and lightweight pump is perfect for moving water containing sand and stones. It can be fitted with the Power Drive Unit GE 5LH which drive the pump and transform the entire energy of the motor into rotational force.



Pump sold without the Power Drive Unit

### Standard Equipment (Electric Pumps PX)

- ✓ Hose coupling and clamp
- ✓ Cord 5 m



### Optional equipments for WP-3LB

+ 10 m of delivery hose (Ø 76 mm) + hose coupling

.....ref. 05020000N

HOSES NOT INCLUDED

		PXL-25	PX-50	BHV401S	WP-3LB
Pump type		submersible - electrical			submersible - flexible shaft
Delivery Ø coupling	mm	25 (1")	50 (2")	50 (2")	76 (3")
Discharge flow	L/min	120	260	250	1200
Discharge flow	m³/h	7.2	15.6	15	72
Total dynamic head	m	10	10	11	23
Solid size Ø	mm	1	6	25	10
Voltage	V	230	230	230	—
Frequency	Hz	50	50	50	—
Intensity	A	2,9	3,2	—	—
Rated power	W	590	620	650	—
Engine speed	RPM	2900	2900	2950	3000 to 3400
Electric cable with male plug	m	10	10	10	—
Dimensions L x H	mm	190 x 320	180 x 290	188 (250) x 372	Flexible: Ø 13 mm x 5 m or 7 m Sheath: Ø 32.5 mm x 5 m or 7 m
Packaging dimensions L x W x H	mm	240 x 240 x 400	240 x 240 x 380	270 x 210 x 480	710 x 675 x 280
Net Weight (Gross weight)	kg	11.5 (12.7)	10 (12)	10 (11)	22.1 (24) flexible version 5 m 26.2 (29) flexible version 7 m
Reference		200005000	200005001	200005002	—
Reference with 5 m flexible hose		—	—	—	05021110
Reference with 7 m flexible hose		—	—	—	05021111



# Water Pumps ACCESS GASOLINE

Fresh Water

Water Pumps Range

**3 YEARS  
WARRANTY**

PETROL  
RON 95

1.5"  
40 mm

DISCHARGE FLOW  
14 m³/h



ACCESS J 14-40

PETROL  
RON 95

2"  
50 mm

DISCHARGE FLOW  
36 m³/h



ACCESS J 36-50

PETROL  
RON 95

3"  
75 mm

DISCHARGE FLOW  
60 m³/h



ACCESS J 60-75



ACCESS J 8-25

PETROL  
RON 95

1"  
25 mm

DISCHARGE FLOW  
8 m³/h

**Compact & Economical**

## ACCESS - GASOLINE

The ACCESS models have a 4-stroke engine selected by Worms and are ideally suited for watering and irrigation of parks and gardens as well as emptying the cellar waters.

### ACCESS Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ OHV, 4-stroke Gasoline engine
- ✓ Electronic oil sensor security (J 36-50 / J 60-75)
- ✓ Ceramic carbon mechanical seal
- ✓ Plastic strainer, hose coupling and clamp



		ACCESS J 8-25	ACCESS J 14-40	ACCESS J 36-50	ACCESS J 60-75
Pump type		Self-Priming			
Suction Ø coupling	mm	25 (1")	40 (1.5")	50 (2")	75 (3")
Delivery Ø coupling	mm	25 (1")	40 (1.5")	50 (2")	75 (3")
Discharge flow	L/min	133	233	600	1000
Discharge flow	m³/h	8	14	36	60
Pressure	bar	2.0	1.6	2.8	2.8
Total dynamic head	m	20	16	28	28
Discharge head	m	6	6	8	8
Solid size Ø (Ø of strainer holes)	mm	5	5	5	6
Mechanical seal		Ceramic carbon			
Engine model		WORMS R 80-V	WORMS R 80-V	WORMS R210	WORMS R210
Engine type		OHV, 4-stroke gasoline			
Fuel type		Petrol RON 95			
Fuel tank capacity	L	1.6	1.6	3.6	3.6
Run Time		3 h	2 h 40	3 h	1 h 30
Dimensions L x W x H	mm	385 x 300 x 375	355 x 300 x 385	477 x 395 x 410	500 x 395 x 445
Packaging dimensions L x W x H	mm	435 x 320 x 390	380 x 330 x 395	510 x 425 x 415	520 x 425 x 455
Net Weight (Gross weight)	kg	14 (16)	14 (16)	23 (25)	25 (27)
Reference		200104010	200104011	200004012	200004013

HOSES NOT INCLUDED

### Optional equipments

Firefighter hose coupling	optional	optional	optional	optional
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# Water Pumps JARD GASOLINE

Fresh Water

Water Pumps Range

**3 YEARS**  
WARRANTY



JARD 20 OHV

DISCHARGE FLOW  
**16.2 m³/h**

**1.5"**  
40 mm

PETROL  
**RON 95**

Powered By



**Compacts**

## JARD - GASOLINE

The JARD model is compact and have a 4-stroke engine, more efficient and more environmentally friendly than 2-stroke engines. Equipped with a carrying handle for easier handling, it is perfectly intended for watering and irrigation of parks and gardens as well as emptying the waters of the cellar.

### JARD Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ 4-stroke Gasoline engine
- ✓ Ceramic carbon mechanical seal
- ✓ Plastic strainer, hose coupling and clamp



JARD 20 OHV		
Pump type		Self-Priming
Suction Ø coupling	mm	40 (1.5")
Delivery Ø coupling	mm	40 (1.5")
Discharge flow	L/min	270
Discharge flow	m³/h	16.2
Pressure	bar	2.4
Total dynamic head	m	24
Discharge head	m	8
Solid size Ø (Ø of strainer holes)	mm	5.5
Mechanical seal		Ceramic carbon
Engine model		CC ROBIN EH09
Engine type		OHV, 4-stroke gasoline
Fuel type		Petrol RON 95
Fuel tank capacity	L	1.5
Run Time		2 h 25
Dimensions L x W x H	mm	370 x 300 x 420
Packaging dimensions L x W x H	mm	430 x 340 x 470
Net Weight (Gross weight)	kg	16 (18)
Reference		200004003

### Optional equipments

Firefighter hose coupling	optional
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HOSES NOT INCLUDED



# Water Pumps

## TP GASOLINE & RD DIESEL

Fresh Water



TP 36 EX

DISCHARGE FLOW  
31.2 m³/h

2"  
50 mm

PETROL  
RON 95



TP 65 EX

DISCHARGE FLOW  
60 m³/h

3"  
75 mm

PETROL  
RON 95

Powered By



Fresh Water

### TP - GASOLINE & RD - DIESEL

TP and RD range are suitable for clear and light trash transfer and accept particles up to 7.5 mm. High-performance materials such as the ceramic carbon mechanical seal and die-cast aluminum body pump provide excellent reliability and durability.

#### TP & RD Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ Ceramic carbon mechanical seal
- ✓ Electronic oil sensor security (TP range)
- ✓ Plastic strainer, hose coupling and clamp (TP range)
- ✓ Steel strainer, hose coupling and clamp (RD)



		TP 36 EX	TP 65 EX	TP 110 EX	RD 75 XL13 DE
Pump type		Self-Priming			
Suction Ø coupling	mm	50 (2")	75 (3")	100 (4")	100 (4")
Delivery Ø coupling	mm	50 (2")	75 (3")	100 (4")	100 (4")
Discharge flow	L/min	520	1000	1500	1400
Discharge flow	m³/h	31.2	60	90	84
Pressure	bar	3.2	3.2	2.8	2.8
Total dynamic head	m	32	32	28	28
Discharge head	m	8	8	8	8
Solid size Ø (Ø of strainer holes)	mm	5.5	7.5	7	7
Mechanical seal		Ceramic carbon			
Engine model		WORMS EX16	WORMS EX17	WORMS EX27	YANMAR L70
Engine type		OHC, 4-stroke gasoline			4-stroke Diesel
Fuel type		Petrol RON 95			Diesel <sup>2</sup>
Fuel tank capacity	L	3.2	3.2	5.6	13
Run Time	h	3 h	2 h 20	2 h 20	8 h
Dimensions L x W x H	mm	527 x 368 x 417	527 x 368 x 417	610 x 425 x 565	840 x 603 x 742
Packaging dimensions L x W x H	mm	540 x 380 x 430	540 x 380 x 430	635 x 450 x 600	1200 x 630 x 825
Net Weight (Gross weight)	kg	25 (27)	25.5 (27.5)	44.5 (46.5)	88 (92.5)
Reference standard version (Std.)		2V0004020	2V0004021	2V0004022	2V0104031
Reference Std. version + Wheelbarrow kit		2V0004020.1	2V0004021.1	2V0004022.1	—

#### Optional equipments

Wheelbarrow kit (factory option)	REF. 13	REF. 13	4NC	ZCADGMP01-IM (optional)
Firefighter hose coupling	optional	optional	optional	optional
Maintenance KIT	Kit N° 2	Kit N° 2	Kit N° 3	—

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.

**3 YEARS  
WARRANTY**

Applicable to material  
and/or gasoline engine  
(excluding Diesel engine)<sup>1</sup>

Powered By



TP 110 EX

4" 100 mm

PETROL  
RON 95

DISCHARGE FLOW  
90 m³/h



#### Self-Priming

A self-priming pump brings up the water on its own into the suction line by pumping the air there. For the priming to work, it is imperative to fill the pump body with water before starting.

Powered By  
**YANMAR**

**DIESEL**

RD 75 XL13 DE



🇫🇷 Made in France

DISCHARGE FLOW  
84 m³/h

4" 100 mm

ELECTRIC  
START



#### MAINTENANCE KIT

Available for below engines  
EX13, EX17 and EX21.

**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.

REF. 13



ZCADGMP01-IM



4NC

HOSES NOT INCLUDED



# Water Pumps

## TH GASOLINE

### Semi Trash Water

Water Pumps Range

**3 YEARS**  
WARRANTY



TH 45 EX

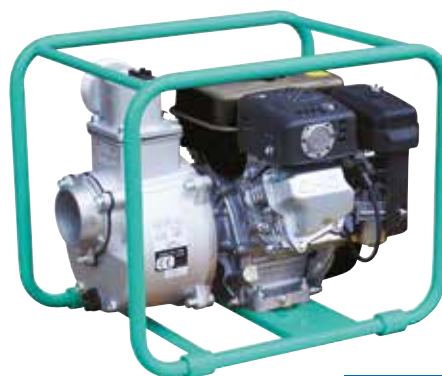
2"  
50 mm

DISCHARGE FLOW  
42 m³/h

PETROL  
RON 95



Powered By



TH 63 EX

3"  
75 mm

DISCHARGE FLOW  
60 m³/h

PETROL  
RON 95

HOSES NOT INCLUDED

Semi Trash Water

## TH - GASOLINE

With deeper impeller vanes coupled with a large volute discharge opening, our semi-trash pumps can pass murky water that contains small solid objects without clogging the passage. These self-priming construction pumps feature a tough, silicone-carbide mechanical seal. Semi-trash pumps are ideal for dewatering on construction and agricultural sites or in rental applications.

### TH Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ Silicon carbide mechanical seal
- ✓ OHC, 4-stroke Gasoline engine
- ✓ Electronic oil sensor security
- ✓ Plastic strainer, hose coupling and clamp

### Self-Priming

A self-priming pump bring up the water on its own into the suction line by pumping the air there. For the priming to work, it is imperative to fill the pump body with water before starting.



**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.



REF. 13

		TH 45 EX	TH 63 EX
Pump type		Self-Priming	
Suction Ø coupling	mm	50 (2")	75 (3")
Delivery Ø coupling	mm	50 (2")	75 (3")
Discharge flow	L/min	700	1000
Discharge flow	m³/h	42	60
Pressure	bar	2.3	2.6
Total dynamic head	m	23	26
Discharge head	m	8	8
Solid size Ø (Ø of strainer holes)	mm	20	20
Mechanical seal		Silicon carbide	
Engine model		WORMS EX16	WORMS EX17
Engine type		OHC, 4-stroke gasoline	
Fuel type		Petrol RON 95	
Fuel tank capacity	L	3.2	3.2
Run Time		3 h	2 h 20
Dimensions L x W x H	mm	527 x 368 x 417	527 x 368 x 417
Packaging dimensions L x W x H	mm	540 x 380 x 440	540 x 380 x 440
Net Weight (Gross weight)	kg	26 (27)	27.5 (28.5)
Reference standard version (Std.)		2V0004040	2V0004041
Reference Std. version + Wheelbarrow kit		2V0004040.1	2V0004041.1

### Optional equipments

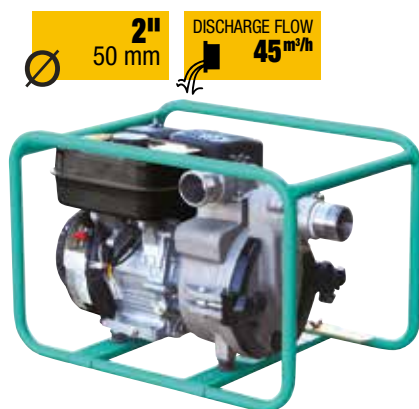
	REF. 13 (factory option)	REF. 13 (factory option)
Wheelbarrow kit		
Firefighter hose coupling	optional	optional
Maintenance KIT	Kit N° 2	Kit N° 2

# Water Pumps SWT GASOLINE

Trash Water, Intensive work

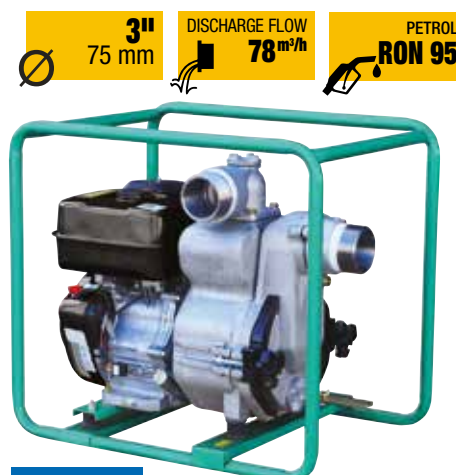
Water Pumps Range

**3 YEARS  
WARRANTY**



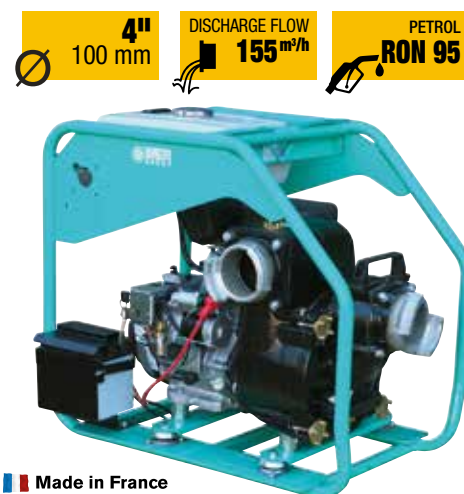
PETROL  
**RON 95**

**SWT 50 EX**



**SWT 80 EX**

Powered By



France Made in France

**SWT 150 EXL12 V2**

**Trash Water**

## SWT - GASOLINE

Built around durability, our SWT gasoline trash pumps feature a silicon carbide seal and a unique conical cast iron impeller design and a quickclean out port for easy maintenance and long service life. They reduce wear from abrasive materials and can handle solid objects up to 31 mm in diameter. There's even a strainer to ensure nothing bigger gets through.

### SWT Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ Silicon carbide mechanical seal
- ✓ OHC, 4-stroke Gasoline engine
- ✓ Electronic oil sensor security
- ✓ Steel strainer, hose coupling and clamp



**MAINTENANCE KIT**  
Available for below engines  
EX13, EX17 and EX21.

**HOSES NOT INCLUDED**

**DIMENSIONS  
WHEELBARROW  
KIT 4NC**

91 x 66 x 83 cm (folded arms)  
123 x 66 x 83 cm (arms folded out)

**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.



4NC

		SWT 50 EX	SWT 80 EX	SWT 150 EXL12 V2
Pump type			Self-Priming	
Suction Ø coupling	mm	50 (2")	75 (3")	100 (4")
Delivery Ø coupling	mm	50 (2")	75 (3")	100 (4")
Discharge flow	L/min	750	1300	2200
Discharge flow	m³/h	45	78	132
Pressure	bar	2.7	2.8	3.2
Total dynamic head	m	27	28	32
Discharge head	m	8	8	8
Solid size Ø (Ø of strainer holes)	mm	20	31	31
Mechanical seal		Silicon carbide		
Engine model		WORMS EX17	WORMS EX27	WORMS EX40
Engine type		OHC, 4-stroke gasoline		
Fuel type		Petrol RON 95		
Fuel tank capacity	L	3.2	5.6	12.5
Run Time		2 h 20	2 h 20	2 h 50
Dimensions L x W x H	mm	570 x 436 x 397	670 x 480 x 610	840 x 530 x 760
Packaging dimensions L x W x H	mm	600 x 470 x 440	700 x 515 x 650	1200 x 630 x 825
Net Weight (Gross weight)	kg	34.5 (36)	48.5 (51)	97.5 (102)
Reference standard version (Std.)		2V0004050	2V0004051	2V0104052
Reference Std. version + Wheelbarrow kit		2V0004050.1	2V0004051.1	—
Reference Std. version + DE		—	—	2V0104052.1

### Optional equipments

Wheelbarrow kit	4NC (factory option)	4NC (factory option)	ZCADGMP01
DE: Electric start + Battery	—	—	factory option
Firefighter hose coupling	optional	optional	—
Maintenance KIT	Kit N° 2	Kit N° 3	Kit N° 4



# Water Pumps SWT DIESEL

Trash Water, Intensive work

Water Pumps Range

**3 YEARS  
WARRANTY**

Applicable to material  
and/or gasoline engine  
(excluding Diesel engine)<sup>1</sup>



SWT 75 DXL13 DE



SWT 120 DXL13 DE

Powered By  
**YANMAR**

Trash Water

## SWT - DIESEL

Built around durability, our SWT Diesel trash pumps feature a silicon carbide seal and a unique conical cast iron impeller design and a quickclean out port for easy maintenance and long service life. They reduce wear from abrasive materials and can handle solid objects up to 31 mm in diameter. There's even a strainer to ensure nothing bigger gets through.

### SWT Standard Equipment

- ✓ Self-Priming
- ✓ Electric start + Battery
- ✓ 4-stroke Diesel engine
- ✓ Low oil pressure security (SWT 120 DXL13 DE)
- ✓ Ceramic carbon mechanical seal
- ✓ Steel strainer, hose coupling and clamp

		SWT 75 DXL13 DE	SWT 120 DXL13 DE	SWT 150 HZ DXL45
Pump type		Self-Priming		
Suction Ø coupling	mm	75 (3")	100 (4")	100 (4")
Delivery Ø coupling	mm	75 (3")	100 (4")	100 (4")
Discharge flow	L/min	1150	1750	2500
Discharge flow	m³/h	69	105	150
Pressure	bar	2.7	2.5	3.2
Total dynamic head	m	27	25	32
Hauteur d'aspiration max.	m	8	8	8
Solid size Ø (Ø of strainer holes)	mm	31	31	31
Mechanical seal		Ceramic carbon		
Engine model		YANMAR L70	YANMAR L100V5	HATZ 1B50
Engine type		4-stroke Diesel		
Fuel type		Diesel <sup>2</sup>		
Fuel tank capacity	L	13	13	45
Run Time		13 h 30	10 h	10 h
Dimensions L x W x H	mm	840 x 603 x 742	840 x 603 x 742	1180 x 1000 x 960
Packaging dimensions L x W x H	mm	1200 x 630 x 825	1200 x 630 x 825	—
Net Weight (Gross weight)	kg	103 (107.5)	112 (116.5)	190 (—)
Reference standard version (Std.)		2V0104054	2V0104055	200104056
Reference Std. version + Wheelbarrow kit		—	—	—

### Optional equipments

Wheelbarrow kit	ZCADGMP01-IM	ZCADGMP01-IM	standard
DE: Electric start + Battery	standard	standard	standard
Firefighter hose coupling	optional	optional	optional

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.

Powered By  
**HATZ  
DIESEL**



SWT 150 HZ DXL15

HOSES NOT INCLUDED

**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.



ZCADGMP01-IM

# Water Pumps

## THERMO GASOLINE

Special Chemical Liquids, Sea Water

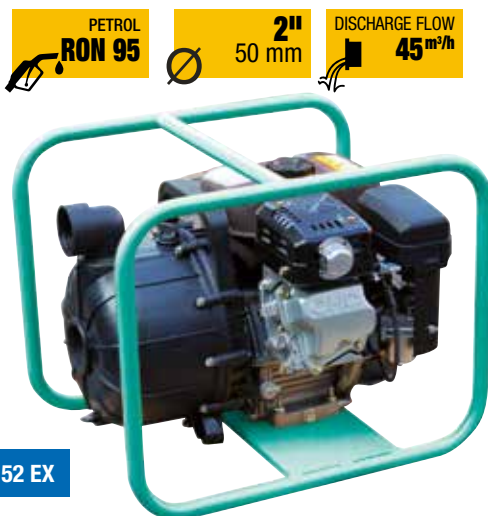
Water Pumps Range

**3 YEARS**  
WARRANTY



Powered By

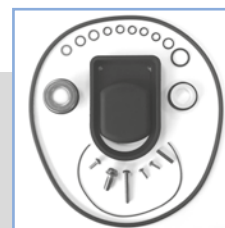
P 52 EX



PETROL  
**RON 95**

2"  
50 mm

DISCHARGE FLOW  
**45 m³/h**



VITON RUBBER GASKET

These gaskets have excellent mechanical properties. They are very resistant to oils, fuels, lubricants, most mineral acids and a large number of aliphatic or aromatic hydrocarbons that dissolve other rubbers.

### Special Chemical Liquids

## THERMOPLASTIC - GASOLINE

P 52 EX is ideal for handling aggressive, corrosive and hazardous chemicals liquids. This thermoplastic pump in polyethylene is also suitable for sea water transfers. P 52 EX equipped with Viton rubber gasket kit (factory option) is the appropriate solution for hydrocarbon transfers (Gasoil, Kerosene).

### Self-Priming

A self-priming pump bring up the water on its own into the suction line by pumping the air there. For the priming to work, it is imperative to fill the pump body with water before starting.



### MAINTENANCE KIT

Available for below engines  
EX13, EX17 and EX21.

HOSES NOT INCLUDED

**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.



REF. 13

### THERMOPLASTIC Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ OHC, 4-stroke Gasoline engine
- ✓ Electronic oil sensor security
- ✓ Ceramic carbon mechanical seal
- ✓ Plastic strainer, hose coupling and clamp

Made in France		P 52 EX
Pump type		Self-Priming
Suction Ø coupling	mm	50 (2")
Delivery Ø coupling	mm	50 (2")
Discharge flow	L/min	750
Discharge flow	m³/h	45
Pressure	bar	3.8
Total dynamic head	m	38
Discharge head	m	8
Solid size Ø (Ø of strainer holes)	mm	6
Mechanical seal		Ceramic carbon
Engine model		WORMS EX17
Engine type		OHC, 4-stroke gasoline
Fuel type		Petrol RON 95
Fuel tank capacity	L	3.2
Run Time		2 h 20
Dimensions L x W x H	mm	520 x 400 x 425
Packaging dimensions L x W x H	mm	532 x 420 x 445
Net Weight (Gross weight)	kg	24 (26)
Reference standard version (Std.)		2V0004060
Reference Std. version + Wheelbarrow kit		2V0004060.1
Reference Std. version + Viton Rubber Gasket		2V0004060.3
Reference Std. version + Wheelbarrow kit + Viton Rubber Gasket		2V0004060.2

### Optional equipments

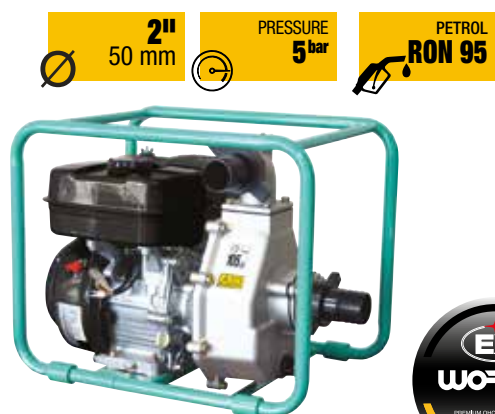
Wheelbarrow kit (factory option)	REF. 13
Firefighter hose coupling	optional
Viton Rubber Gasket	factory option
Maintenance KIT	Kit N° 2



# Water Pumps

## JET GASOLINE & DIESEL

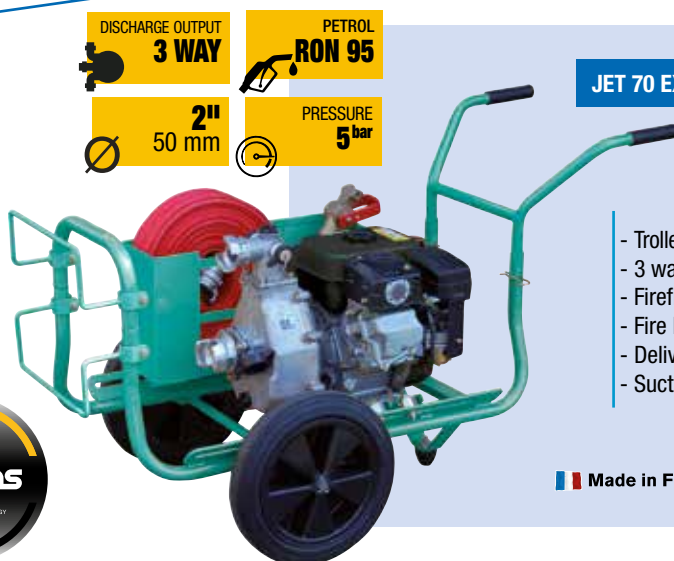
High Pressure, High Flow



JET 70 EX



Powered By



JET 70 EX | FIREFIGHTING

- Trolley;
- 3 way discharge output;
- Firefighter hose coupling;
- Fire lance with stopcock;
- Delivery hose (20m);
- Suction hose (5m).

France Made in France

High Pressure

## JET - GASOLINE & DIESEL

Our high-pressure construction pumps effectively move water over long distances or to great heights. They feature large-diameter impellers with shallow vanes for greater pressures and discharge heights, which allows the pumps to move water farther. They are ideal for sprinklers, moving water uphill, handling fast seepage or light firefighting while waiting for emergency crews to arrive.

### JET Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ Electric start + Battery (JET 100 DXL13 DE)
- ✓ Electronic oil sensor security (Gasoline engine)
- ✓ Low oil pressure security (Diesel engine)
- ✓ Ceramic carbon mechanical seal
- ✓ 3 way discharge output (except JET 70 EX)
- ✓ Plastic strainer, hose coupling and clamp

### DIMENSIONS WHEELBARROW KIT 4NC

91 x 66 x 83 cm (folded arms)  
123 x 66 x 83 cm (arms folded out)

		JET 70 EX	JET 70 EX FIREFIGHTING	JET 100 EX	JET 100 EX FIREFIGHTING	JET 100 DXL13 DE
Pump type				Self-Priming		
Suction Ø coupling	mm	50 (2")	50 (2")	50 (2")	50 (2")	50 (2")
Delivery Ø coupling	mm	50 (2")	25/25/40	25/25/40	25/25/40	25/25/40
Discharge flow	L/min	400	400	480	480	450
Discharge flow	m³/h	24	24	28.8	28.8	27
Pressure	bar	5	5	9.5	9.5	9
Total dynamic head	m	50	50	95	95	90
Discharge head	m	8	8	7	7	7
Solid size Ø (Ø of strainer holes)	mm	5.5	5.5	2.5	2.5	2.5
Mechanical seal				Ceramic carbon		
Engine model		WORMS EX17	WORMS EX17	WORMS EX27	WORMS EX27	YANMAR L100V5
Engine type				OHC, 4-stroke gasoline		4-stroke Diesel
Fuel type				Petrol RON 95		Diesel <sup>2</sup>
Fuel tank capacity	L	3.2	3.2	5.6	5.6	13
Run Time		2 h 20	2 h 20	2 h 45	2 h 45	6 h
Dimensions L x W x H	mm	527 x 368 x 417	1230 x 770 x 830	610 x 425 x 565	1230 x 770 x 830	840 x 603 x 742
Packaging dimensions L x W x H	mm	540 x 380 x 440	—	635 x 450 x 600	—	1200 x 630 x 825
Net Weight (Gross weight)	kg	27 (29)	52 (—)	42 (44)	60 (—)	98 (102.5)
Ref. standard version (Std.)		2V0004081	2V0004081.2	2V0004084	2V0004084.2	2V0104087
Ref. Std. version + Wheelbarrow kit		2V0004081.1	—	2V0004084.1	—	—

### Optional equipments

	REF. 13 (factory option)	standard	4NC (factory option)	standard	ZCADGMP01-IM
Wheelbarrow kit	option	standard	standard	standard	standard
3 way discharge output	option	standard	on request	standard	on request
Firefighter hose coupling	option	standard	on request	standard	on request
Fire lance with stopcock	option	standard	on request	standard	on request
Wrench for firefighter hose coupling	option	standard	on request	standard	on request
Delivery hose (20m) + Suction hose (5m)	option	standard	on request	standard	on request
Maintenance KIT	Kit N° 2	Kit N° 2	on request	on request	—

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.

2" 50 mm

PRESSURE 9.5 bar

DISCHARGE OUTPUT 3 WAY

PETROL RON 95



JET 100 EX



**3 YEARS WARRANTY**

Applicable to material and/or gasoline engine (excluding Diesel engine)<sup>1</sup>



## 3 way discharge output

Our high-pressure pumps are equipped with 3 way discharge output (optional for JET 70 EX), which allows you to install several pipes and choose the flow requested.



Powered By

2" 50 mm

PRESSURE 9.5 bar

DISCHARGE OUTPUT 3 WAY

PETROL RON 95



JET 100 EX | FIREFIGHTING

- Trolley;
- 3 way discharge output;
- Firefighter hose coupling;
- Fire lance with stopcock;
- Delivery hose (20m);
- Suction hose (5m).

Made in France



**DIESEL**

JET 100 D

Powered By

**YANMAR**

PRESSURE 9 bar

2" 50 mm

DISCHARGE OUTPUT 3 WAY

ELECTRIC START

Made in France



HOSES NOT INCLUDED

**Wheelbarrow kit** Optional accessory for easy transport of your pump with 2 large wheels.

REF. 13



4NC



ZCADGMP01-IM



# Pumps MECA GASOLINE

Diaphragm pump (Membrane pump), Super Trash Water

Pumps Range

**3 YEARS**  
WARRANTY

3"  
75 mm

DISCHARGE FLOW  
15 m³/h

PETROL  
RON 95



MECA 16/20 EX

3"  
80 mm

DISCHARGE FLOW  
19.8 m³/h

PETROL  
RON 95



MECA 25



Powered By



**MAINTENANCE KIT**  
Available for below engines  
EX13, EX17 and EX21.

**Diaphragm pump**



## Diaphragm Pump

This suction-discharge principle gives two main advantages:

- work with liquids loaded with straw, branches and plant debris because there is no turbine;
- dry-running capability because there is no gland and no rise in temperature.



## MAIN FIELDS OF APPLICATION

Twonship services: drainage of excavations during repairs to aqueducts and sewers...

Construction industry: drainage of excavations, cleaning of sumps, transfer of clay sludge

Marble industry: pumping circulating water and deposited mud...

Water purification: pumping of sludge, dosing of lime milk, dyeing water...

Naval industry: drainage of sentries, evacuation of waste water, tank cleaning...

HOSES NOT INCLUDED

## MECA - GASOLINE

Our self-priming diaphragm pumps handle sticks, rocks, debris, mud, trash and solids. A large, shock-reducing air chamber decreases shock to the hoses. Plus, since it has no moving parts, the pumps can run dry indefinitely. Heavy-duty construction makes them ideal for pumping thick, muddy, high solid content, slurries, viscous products, seawater and re-circulated water.

### MECA Standard Equipment

- ✓ Self-Priming
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Steel strainer, hose ball coupling (only MECA 25)

		MECA 16/20 EX		MECA 25
Pump type		Self-Priming		
Suction Ø coupling	mm	75 (3")		80 (3")
Delivery Ø coupling	mm	75 (3")		80 (3")
Discharge flow	L/min	250		330
Discharge flow	m³/h	15		19.8
Pressure	bar	1.5		1.5
Total dynamic head	m	15		15
Discharge head	m	7.6		7
Solid size Ø (Ø of strainer holes)	mm	25		25
Engine model		WORMS EX17		WORMS EX17
Engine type		OHC, 4-stroke gasoline		
Fuel type		Petrol RON 95		
Fuel tank capacity	L	3.2		3.2
Run Time		2 h 20		4 h
Dimensions L x W x H	mm	660 x 420 x 510		960 x 510 x 660
Packaging dimensions L x W x H	mm	690 x 450 x 550		960 x 600 x 810
Net Weight (Gross weight)	kg	45 (47)		59 (64)
Reference standard version (Std.)		2V0004071		200004072
Reference Std. version + Wheelbarrow kit		—		2V0004072.1





### Optional equipments

Wheelbarrow kit	—	4NC (factory option)
Firefighter hose coupling	optional	optional
Maintenance KIT	Kit N° 2	Kit N° 2

# Pumps ACCESSORIES

## Aluminium Firefighter Hose Coupling

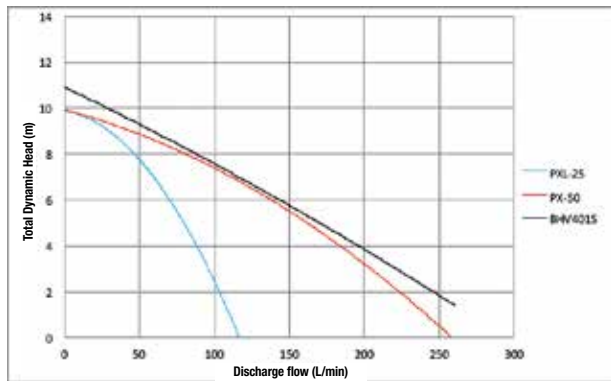
Pumps Range

Ø Standard hoses	Pump type	Output Type		Firefighter Half Coupling Guillemin			
				Pump side		Hoses side	
				without locking ring		with locking ring	
							
				Designation	Reference	Designation	Reference
1" Ø 25 mm	PXL-25	Suc.	FM 1" BSP	DN20 FF 1" BSP (Gas) <b>Bronze</b>	290000087	DN20 DA25 	290000140
	ACCESS J8-25	Suc. / Del.					
	JET 70 EX FIREFIGHTING	Ref. (x2)					
	JET 100 EX	Ref. (x2)					
	JET 100 EX FIREFIGHTING	Ref. (x2)					
	JET 100 DXL13 DE	Ref. (x2)					
1,5" Ø 40 mm	ACCESS J14-40	Suc. / Del.	FM 1 1/2" BSP	DN40 FF 1 1/2" BSP (Gas)	290000088	DN40 DAR40	290000143
	JARD 20 OHV	Suc. / Del.					
	JET 70 EX FIREFIGHTING	Suc.					
	JET 100 EX	Suc.					
	JET 100 EX FIREFIGHTING	Suc.					
	JET 100 DXL13 DE	Suc.					
2" Ø 50 mm	PX-50 / BHV401S	Suc.	FM 2" BSP	DN50 FF 2" BSP (Gas)	290000090	DN50 DARC51	290000145
	ACCESS J36-50	Suc. / Del.					
	TP 36 EX	Suc. / Del.					
	TH 45 EX	Suc. / Del.					
	SWT 50 EX	Suc. / Del.					
	P 52 EX	Suc. / Del.	FF 2" BSP	DN50 FM 2" BSP (Gas)	290000081		
	JET 70 EX	Suc. / Del.	FM 2" BSP	DN50 FF 2" BSP (Gas)	290000090		
	JET 70 EX FIREFIGHTING	Suc.					
	JET 100 EX	Suc.					
	JET 100 EX FIREFIGHTING	Suc.					
	JET 100 DXL13 DE	Suc.					
3" Ø 75 mm	ACCESS J60-75	Suc. / Del.	FM 3" BSP	DN80 FF 3" BSP (Gas)	290000094	DN80 DARC76	290000149
	TP 65 EX	Suc. / Del.					
	TH 63 EX	Suc. / Del.					
	SWT 80 EX	Suc. / Del.					
	SWT 75 DXL13 DE	Suc. / Del.					
	MECA 16/20 EX	Suc. / Del.					
	Ø 80 mm	MECA 25	Suc. / Del.	FF 3" BSP	DN80 FM 3" BSP (Gas)	290000085	DN80 DARC81
4" Ø 100 mm	TP 110 EX	Asp. / Ref.	FM 4" BSP	DN100 FF 4" BSP (Gas)	290000095	DN100 DARC102	290000148
	RD 75 XL13 DE	Asp. / Ref.					
	SWT 120 DXL13 DE	Asp. / Ref.					
	SWT 150 EXL12 V2	Asp. / Ref.	FF 4" BSP	DN100 FM 4" BSP (Gas)	290000086		
	SWT 150 HZ DXL45	Asp. / Ref.					
Asp. = Suction      Ref. = Delivery      FF = Female threaded      FM = Male threads      BSP (Gas) = Threaded type							
		FIRE HOSE SPANNER WRENCH		Steel DN32/65	290000500		
				Bronze DN50/100	290000501		

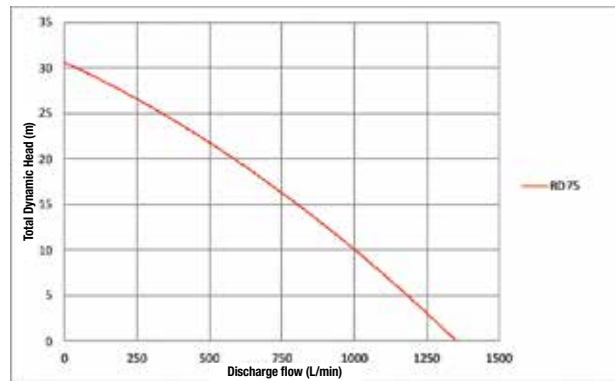


# Pumps PERFORMANCE CURVES

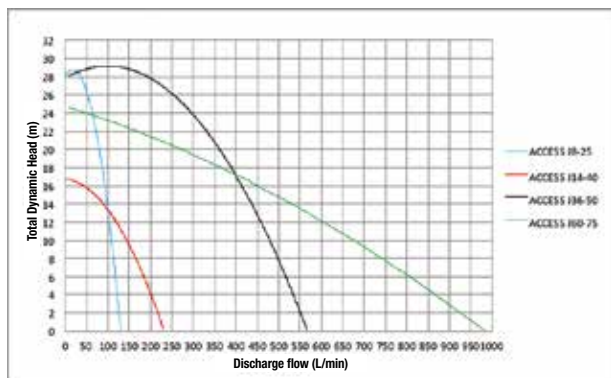
Pumps Range



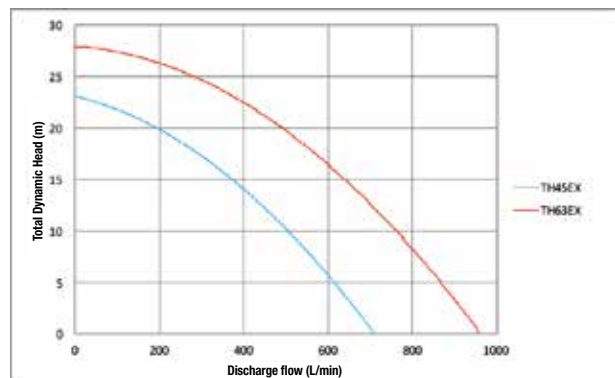
**ELECTRIC**



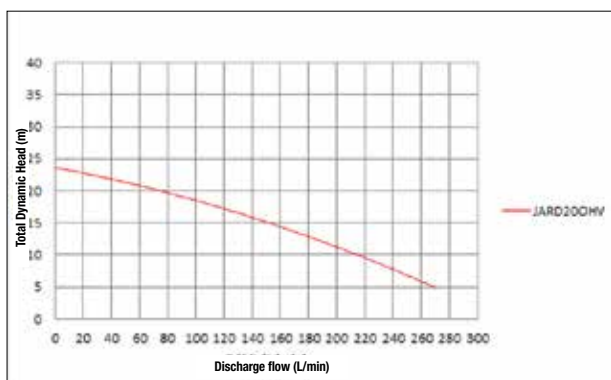
**RD Diesel**



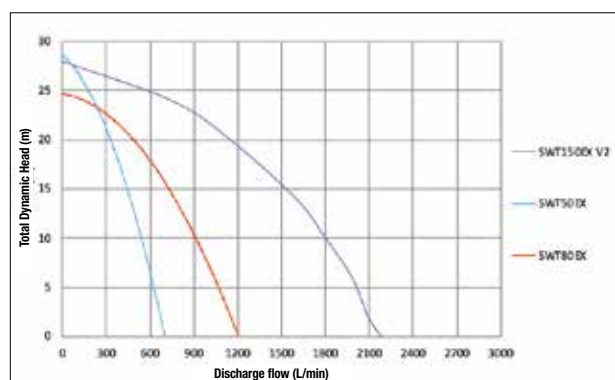
**ACCESS GASOLINE**



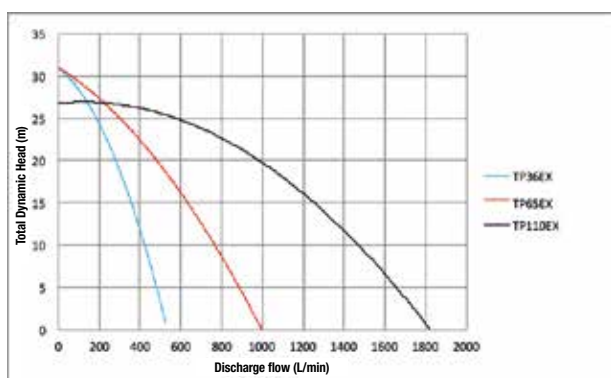
**TH GASOLINE**



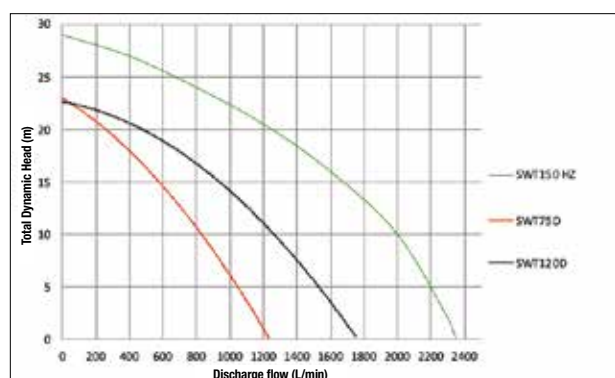
**JARD GASOLINE**



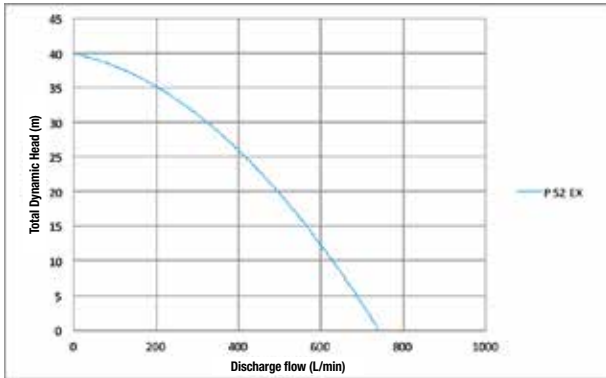
**SWT GASOLINE**



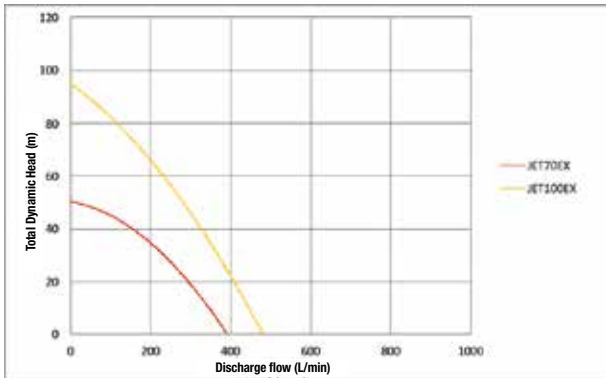
**TP GASOLINE**



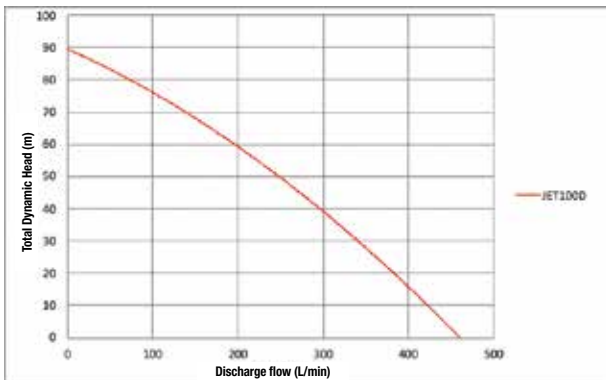
**SWT Diesel**



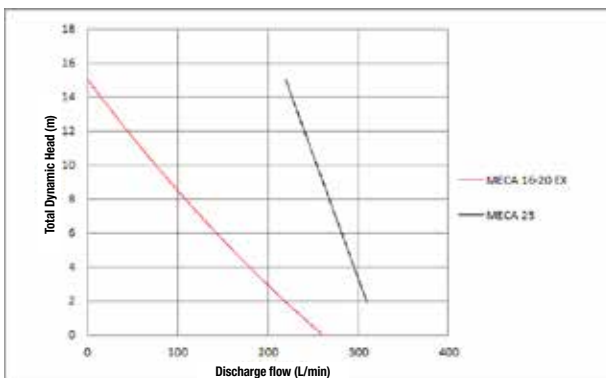
**THERMOPLASTIC GASOLINE**



**JET GASOLINE**



**JET Diesel**



**MECA GASOLINE**





# GENERATORS Range

Efficiency and maneuverability reflect the spirit of this range which meets the very varied needs of the professional market, without ever neglecting the safety aspects.

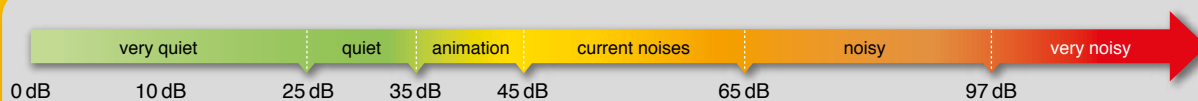


## Environmentally Friendly Engine

Global awareness of environmental protection has encouraged the strengthening of European regulations by reducing significantly the allowable values for CO<sub>2</sub> emissions.

The Stage V standards, adopted by the EU Parliament, will tighten restrictions on non-road engines and equipment and set stricter limits on emissions of particulate matter (PM).

## Scale Noise



The sound scale is between 0 dB (hearing threshold) up to 130 dB (pain threshold). Most of the current life sounds are between 30 and 90 decibels. Superior levels above 90 dB are mainly found in professional life (industry, armed, crafts...) and in some leisure activities (hunting, music, motor sports). Nightclubs and concert halls have, for their part, an authorized maximum sound level of 105 dB. Other sources (planes, rockets, artillery) are at levels reaching 130 dB and able to reach up to 200 dB.

Some examples of noise sources:

- |                                      |                         |                              |
|--------------------------------------|-------------------------|------------------------------|
| - 30 dB: Conversation in a low voice | - 65 dB: TV             | - 90 dB: Lawn mower          |
| - 40 dB: Fridge                      | - 70 dB: Phone ring     | - 95 dB: horn                |
| - 50 dB: Rain                        | - 75 dB: Vacuum cleaner | - 100 dB: Hi-fi system       |
| - 55 dB: Washing machine             | - 80 dB: Car            | - 105 dB: concert, nightclub |
| - 60 dB: Normal conversation         | - 85 dB: Barking dog    | - 130 dB: Car Racing         |



# Generators

## HOW TO CHOOSE?

Generators Range



### 1 WHICH KIND OF DEVICE TO POWER?

Electrical devices doesn't consume current the same way. Simple devices as incandescent lamps, heaters or cooking plates have no particular requirement. Devices powered by an electric motor as hammer drill, circular saws or compressors require a starting up power from 2 to 4 times superior to their rated output and some 6 times. Single-phase (230 V) or three phase (400 V)? Some tools require a three phase current. In that case, the Tristar and Silenstar three-phase range is for you.

### 2 FIND RATED OUTPUT OF EACH DEVICE

This information is given by the manufacturer and you can find it on the manufacturer's plate of your device or in the user manual.

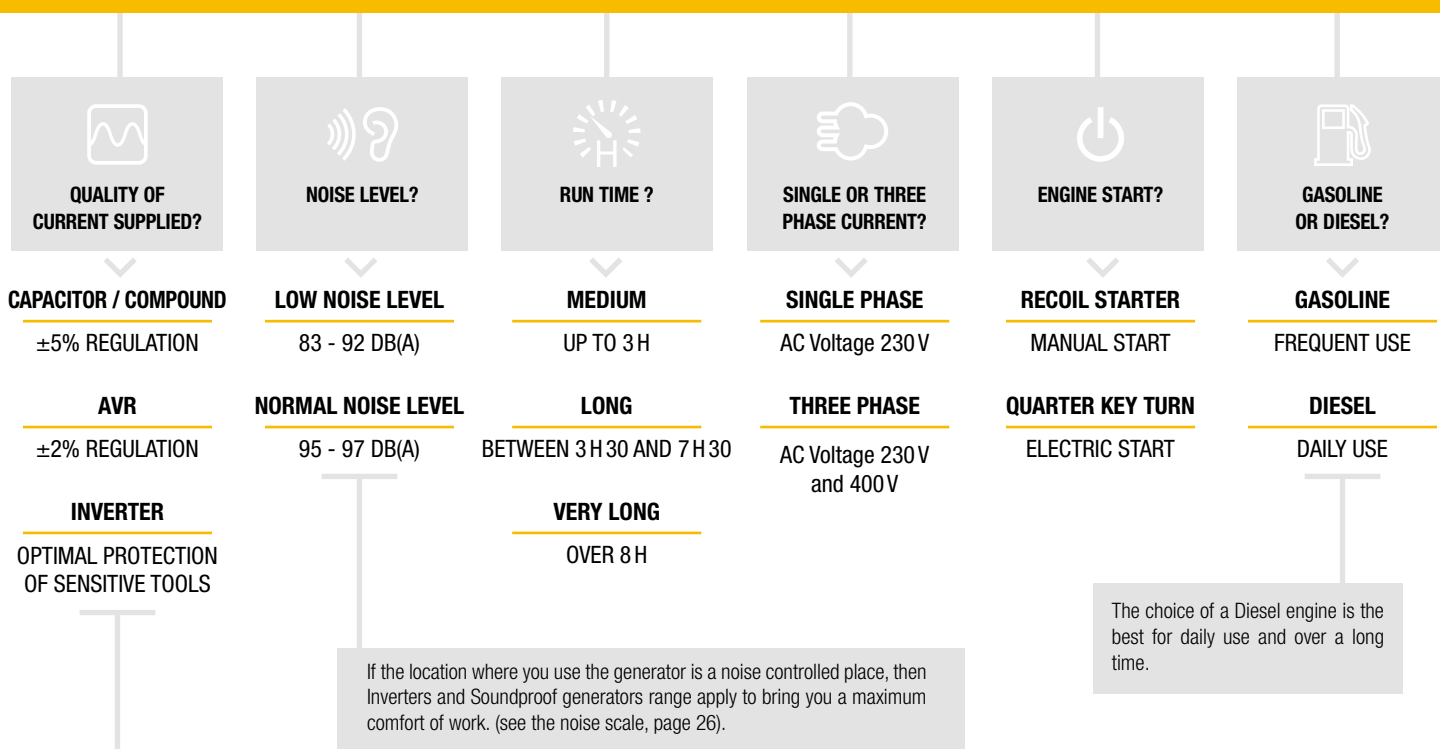
### 3 DEFINE NECESSARY POWER FOR STARTING UP EACH DEVICE

Refer to the starting coefficients factor table (page 28). Multiply the running wattage by the start-up power factor of your tool. The values you can find in starting coefficients factor table are given as an example. Your device can have a different running wattage (or rated output).

For example, to power a professional 1400 W vacuum cleaner, you will need a 2800 W generator (1400 W x 2) minimum.

### 4 ADD STARTING WATTAGE OF ALL YOUR DEVICES TO BE POWERED SIMULTANEOUSLY

Once you have calculated the necessary starting up power of every tool, add them to obtain the total value of your needs in power. For the longevity of your generator and to have some security margin, increase this value by 20%.



Basic electric tools do not require particular quality of current. On the other hand, Electric equipment with electronic regulation need a stable tension and frequency of the supplied current. Three types of regulation are available to fulfill all of your needs.

#### CAPACITOR OR COMPOUND

All of our generators are equipped with a Capacitor for voltage regulation (single phase) or with compound (three phase)  $\pm 5\%$ .

#### AVR (AUTOMATIC VOLTAGE REGULATOR)

Electronic device regulating  $\pm 2\%$  the alternator voltage (Volt). It's recommended for sensitive equipment to voltage fluctuations.

#### INVERTER

The best technology to protect all kind of tools, perfect current, quiet operation and reduced power consumption.








# Generators

## STARTING FACTOR

### Minimum power required by device type

Refer to the manufacturer's identification plate of devices (tools) to help you select the right generator. This table will allow you to quickly find the starting power suitable for the most frequently used devices or tools.

TOOL / MACHINE	Fact. X	example	Maximum Power Needed to Start	TOOL / MACHINE	Fact. X	example	Maximum Power Needed to Start
		Continous Power Watts				Continous Power Watts	
Concrete Vibrator	2	2200 W	4400 W	Blender, Mixer	2	1150 W	2300 W
Vacuum Cleaner	2	900 W	1800 W	Grinder	1.6	2000 W	3200 W
Professional Vacuum Cleaner	2	1400 W	2800 W	Hoist Elevator	3	2200 W	6600 W
<b>Concrete Mixer</b> 	<b>3</b>	1000 W	<b>3000 W</b>	Electric Engine without Charge	1.5	736 W	1104 W
Kettle	1	2000 W	2000 W	Electric Engine with Charge	3	736 W	2208 W
Concrete Breakers	1.2	1750 W	2100 W	<b>High Pressure Washer</b> 	<b>4</b>	1700 W	<b>6800 W</b>
Coffe Machine	1.6	1250 W	2000 W	Inverter	3.5	800 W	2800 W
Core Drill	1	1000 W	1000 W	Hammer Drill	2.5	1200 W	3000 W
Shear	2	2000 W	4000 W	Driller	1.6	750 W	1200 W
Battery Charger	2	270 W	540 W	Heat Pump (PAC)	3	1000 W	3000 W
Wood Burning	1.2	140 W	168 W	Airless Paint Sprayer	2	800 W	1600 W
Oil Boiler	1.2	1000 W	1200 W	Fuel pump	2	500 W	1000 W
Gaz Boiler	3	1000 W	3000 W	Feed Pump	2	800 W	1600 W
Heater	1.2	1000 W	1200 W	Transfer Pump	2	800 W	1600 W
Electric Water Heater (Hot Water Tank)	2.5	3000 W	7500 W	Submersible Pump	3	800 W	2400 W
Air Conditioner (portable)	1	2000 W	2000 W	Belt Sander	2	750 W	1500 W
Air Conditioner (with inverter)	1.7	2000 W	3400 W	Drywall Sander	2	710 W	1420 W
<b>Air Compressor</b> 	1	1500 W	1500 W	Orbital Sander	2	600 W	1200 W
Freezer	<b>3</b>	2000 W	<b>6000 W</b>	Sheet Sander	2	330 W	660 W
Heat Gun, Hot Air Gun	3	400 W	1200 W	Welding Machine: To define the generator you need, please refer to the machine data sheet.			
Hammer	1.2	1500 W	1800 W	Airless Fine Plastering	3	1500 W	4500 W
Log Splitter	1.2	2200 W	2640 W	Scorer	2	1400 W	2800 W
Deep Fryer (7 liters)	2.5	2200 W	5500 W	Planer	2	850 W	1700 W
Drilling Machine	1.2	4100 W	4920 W	Fridge, Refrigerated Display	3	400 W	1200 W
Microwave Oven	2	1600 W	3200 W	Diamond Wire Saw	2	15000 W	30000 W
Mortar or Concrete Mixer and Grinnite Machine	2	1200 W	2400 W	Sliding Compound Miter Saw	2	1600 W	3200 W
Nibbler	3	4500 W	13500 W	Circular Saw	2	1600 W	3200 W
Hifi, TV, Computer, Printer, Copier	2	500 W	1000 W	Reciprocating Saw	2	1200 W	2400 W
Bench Sander	1	600 W	600 W	Jigsaw	1.6	750 W	1200 W
Incandescent Bulb	2	700 W	1400 W	<b>Table Saw</b> 	<b>2</b>	2000 W	<b>4000 W</b>
Halogen Light	1	100 W	100 W	Dryer	3	2400 W	7200 W
Low Consumption Light	1	500 W	500 W	Garage Gate Opening System	3	600 W	1800 W
Neon Light (fluorescent)	2	100 W	200 W	Bench Grinder	2	700 W	1400 W
Washing Machine	2	250 W	500 W	Winch	3	750 W	2250 W
Airless Coating Sprayer	4	1500 W	6000 W	Auger	3	1000 W	3000 W
Demolition Hammer	3.5	2200 W	7700 W	Fan	2	200 W	400 W
<b>Jackhammer</b> 	<b>1.8</b>	1000 W	<b>1800 W</b>				





# Generators

## Optional equipments

### EARTH LEAKAGE CIRCUIT BREAKER KIT

Device that protects users from the risk of electric shock in case of insulation fault.



#### Kit Diff 1-CH/HZ/V (25A)

IP 44 Panel including 30 mA earth leakage circuit breaker  
+ Hour meter + Frequency meter + Voltmeter  
For EXPLORER 6010 XL12

#### Kit Diff 5-CH/HZ/V (40A)

IP 44 Panel including 30 mA earth leakage circuit breaker  
+ Hour meter + Frequency meter + Voltmeter  
For EXPERT 65 / EXPLORER 6510 XL27 /  
MASTER 6010 DXL15 YN DE / MIXTE 7000 EX

#### Kit Diff 7

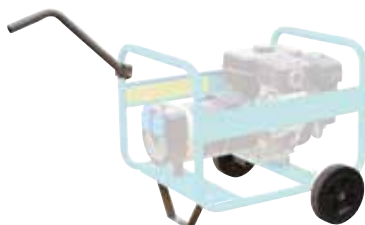
IP 44 Panel including 30 mA earth leakage circuit breaker  
For three phases models.



These kits are delivered with a Steel Ground Rod (50 cm length) + 2 m cable

### WHEELBARROW KIT

Wheelbarrow kit makes it easy to move your portable generator in and out of storage, to new work sites and anywhere else where there's a need for portable power.



**1/180 MONOBRAS**  
REF. 290000001



**MONOBRAS EXPLORER**  
REF. 290000003



**N/360**  
REF. 290000002



**N/360 AXE**  
REF. 290000006



**N/360 535**  
REF. 290000007



**EXLE-ACCESS5500**  
REF. 290000012



**EXLE-ACCESS2200**  
REF. 290000005



**SILENTSTAR**

## MALES PLUG EC

These outlets offer solutions for diverse applications and multiple needs in industry, agriculture and commerce (see page 47).



## SOCKETS



In addition to the standard sockets, we can mount a large number of specific sockets for a particular application or other country (inquire with our sales department).



## TRANSFER SWITCH OR SOURCE CHANGE OVER

The transfer switch enables the building's electrical system to accept the power of a portable generator. It allows you to power electrical appliances, devices and lighting during a power outage.



## MAINTENANCE KIT

This kit allows you to start up your generator in a safe way and to maintain it quickly. It includes:



### Kit N°1

- 1 L 10W40 oil engine;
- 1 spark plug;
- 1 foam air filter

### Kit N°2

- 1 L 10W40 oil engine;
- 1 spark plug;
- 1 Dual air filter

Available for machine equipped with below engines: EX13, EX16, EP16, EX17, EP17, SP170, EX21 and SP210.



## ELECTRIC START



As simple as car using: a quarter key turn and the engine starts.

## REMOTE START

This device allows the user to remotely control (10 m) the start of his generator set, equipped with an electric start. An appreciable advantage when the 2024 is difficult to access. This option is available on certain models.



## AUTOMATIC TRANSFER SWITCH

This device can turn your portable generator into an alternative energy source in the event of a power failure. It is an electrical panel that is the interface between the power network and your generator. When the mains supply drops, the control panel starts your generator automatically. When the power comes back, the panel stops the generator. Only for 2024s equipped with a DES module and / or ILME socket.



## TRANSPORT CART

### MC-1B

Max Load 100 kg

Thanks to its removable hooks, it can carry many products (rammers, vibrating plates, generators...):

- Dimensions (L) 488 mm x (H) 1 065 mm
- Weight: 8.6 kg





# Generators INVERTER

Single Phase, Sound Proof, Gasoline



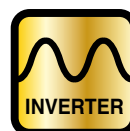
LONG  
AUTONOMY



PETROL  
RON 95



CHARGEUR  
USB



INVERTER



AUTOMATIC  
IDLING  
SYSTEM



STAGE 5

## ACCESS - GASOLINE

INVERTER technology provides a clean and stable signal that can safely power laptops, TVs, power tools and other sensitive electronics devices. Also ideal for gardening, camping or recreational use. Due to automatic IDLING system, your generator automatically adjusts the engine speed to precisely match the output at the same time, this saves fuel, extends engine life duration and a quieter operation.

- ✓ OHV, 4-stroke Gasoline engine
- ✓ Recoil start
- ✓ Oil sensor with warning light
- ✓ Automatic idling system
- ✓ Sockets protected by thermal circuit breaker
- ✓ USB charger (2x with Access 7000i)
- ✓ Parallel capability function (Access 2000i & 4000i)
- ✓ Overload protection with warning light
- ✓ Integrated wheel and hand truck frame (Access 3000i & 4000i)
- ✓ Wheelbarrow and folding arm kit (Access 7000i)
- ✓ Sound proof canopy



ACCESS 2000i

PUISSANCE  
**2 kW**  
P<sub>max</sub>

x2  
PARALLEL  
CAPABILITY

INSONORISÉ  
**67 dB(A)**  
à 7m



x2  
PARALLEL  
CAPABILITY



OUTPUT POWER  
**4 kW**  
P<sub>max</sub>

SOUND PROOF  
**67 dB(A)**  
at 7m



ACCESS 4000i

Parallel capability is an additional benefit of this generator. Using a special cable or kit, you can link two generators together to get as much as double the output. This gives you extra power when you need it, without having to trade up for a larger, heavier generator. You get more power without sacrificing portability.

x2  
PARALLEL  
CAPABILITY



OUTPUT POWER  
**3 kW**  
**P<sub>max</sub>**

SOUND PROOF  
**71** dB(A)  
at 7 m



**3 YEARS**  
WARRANTY

ACCESS 3000i



**ELECTRIC**  
**START**

OUTPUT POWER  
**7.1 kW**  
**P<sub>max</sub>**

SOUND PROOF  
**70** dB(A)  
at 7 m

ACCESS 7000i



**NEW**

		ACCESS 2000i	ACCESS 3000i	ACCESS 4000i	ACCESS 7000i
Type		1 phase	1 phase	1 phase	1 phase
Voltage regulator		Inverter	Inverter	Inverter	Inverter
Maximum output	kW	2	3	4	7.1
Continuous operating power (COP)	kW	1.8 (3.6 kW paired)	2.8	3.6 (7.2 kW paired)	6.8
Maximum Amps	A	8.7	13	17.3	30.8
AC voltage	V	230	230	230	230
Frequency	Hz	50	50	50	50
Noise power level ECC (LwA)	dB(A)	92	96	92	95
Noise power level @ 7 m	dB(A)	67	71	67	70
Engine model		WORMS G80-i	WORMS R210-i	WORMS G225-i	WORMS R420D-Vi
Maximum output	HP	3.5	5.4	5	11.9
Fuel type		Petrol RON 95			
Fuel tank capacity	L	5	8.5	10	20
Run Time (¾ of the continuous output)		5 h	6 h	5 h	5 h
Single phase socket 10/16 A Schuko	⚡	2	2	2 (1 socket if optional KIT DIFF)	2 (1 socket if optional KIT DIFF)
EC Single phase socket 230 V / 32 A	⚡	—	—	—	1
Dimensions L x W x H	mm	498 x 290 x 459	605 x 432 x 493	630x460x525	870x724x685
Packaging dimensions L x W x H	mm	520 x 300 x 485	630 x 470 x 525	650x490x565	980x690x560
Net Weight (Gross weight)	kg	21.5 (23.5)	37 (41.5)	41 (44.5)	105 (107.5)
Reference standard version (Std.)		200200004	200100005	200000007	200000008
Reference Std. version + DIFF		—	200100005.1	200000007.1	200000008.1

#### Optional equipments

Parallel cables kit	290000020	—	29W00001	—
DIFF: Kit interdif *	—	factory option	factory option	factory option

\* Kit interdif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod



# Generators ACCESS

Single Phase, OHV Gasoline

Generators Range

**3 YEARS  
WARRANTY**

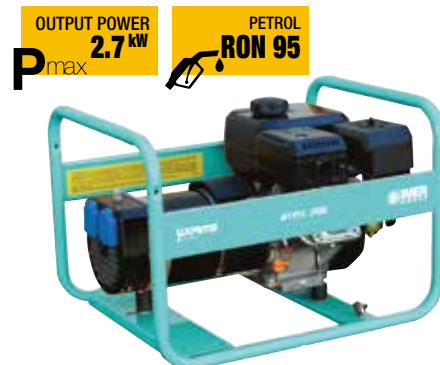
**230 V**



ACCESS 2200 XL



ACCESS 5500 XL



ACCESS 3400



ACCESS 5000

## ACCESS - GASOLINE

Designed for frequent use. Powerful, reliable, attractive. Engine selected by Worms.

### ACCESS Standard Equipment

- ✓ OHV, 4-stroke Gasoline engine
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Sockets protected by thermal circuit breaker
- ✓ Brushless alternator, 2 poles
- ✓ DC 12 V output 8.3 A (ACCESS 2200 XL / 5500 XL)
- ✓ Voltmeter (ACCESS 2200 XL / 5500 XL)
- ✓ AVR: Automatic voltage regulator (ACCESS 2200 XL / 5500 XL)
- ✓ Earth leakage kit (ACCESS 5500 XL)



Optional Accessory

Male Plug n°2 - 32 A - 230 V

**Wheelbarrow kit** For moving your generator with 2 large wheels.



EXLE-ACCESS2200  
REF. 290000005



EXLE-ACCESS5500  
REF. 290000012



1/180 MONOBRAS  
REF. 290000001



N/360  
REF. 290000002

		ACCESS 2200 XL	ACCESS 5500 XL	ACCESS 3400	ACCESS 5000	ACCESS 8000
Type		1 phase	1 phase	1 phase	1 phase	1 phase
Voltage regulator		AVR	AVR	Capacitor	Capacitor	Capacitor
Maximum output	kW	2.2	5.5	2.7	5.4	6.6
Continuous operating power (COP)	kW	2	5	2.1	4.7	5.8
Maximum Amps	A	9.6	23.9	11.7	23.4	28.7
AC voltage	V	230	230	230	230	230
Frequency	Hz	50	50	50	50	50
Noise power level ECC (LwA)	dB(A)	95	97	96	101	101
Noise power level @ 7 m	dB(A)	70	72	71	76	76
Engine model		WORMS R210	WORMS R390	WORMS R210	WORMS R390	WORMS R420
Maximum output	HP	5.4	10.1	5.4	10.1	11.3
Fuel type		Petrol RON 95				
Fuel tank capacity	L	15	25	3.6	6.5	6.5
Run Time (¾ of the continuous output)	h	12 h	8 h	3 h 40	3 h 50	3 h 10
Single phase socket 10/16 A Schuko	••	2	1	2	2	1
EC Single phase socket 230 V / 32 A	••	—	1	—	—	1
Dimensions L x W x H	mm	593 x 465 x 458	697 x 554 x 549	600 x 470 x 415	875 x 570 x 600	875 x 570 x 600
Packaging dimensions L x W x H	mm	610 x 490 x 500	860 x 590 x 580	615 x 485 x 445	890 x 580 x 620	890 x 580 x 620
Net Weight (Gross weight)	kg	41 (43.5)	84 (86.5)	37 (38)	70 (72)	75 (77)
Reference standard version (Std.)		200100000	200100006	2V0100001	2V0000002	2V0000003
Reference Std. version + DIFF		—	—	2V0000001.1	2V0000002.1	2V0000003.1
Reference Std. version + AVR		—	—	—	2V0000002.2	2V0000003.2
Reference Std. version + DIFF + AVR		—	—	—	2V0000002.3	2V0000003.3

### Optional equipments

Wheelbarrow kit	EXLE-ACCESS2200	EXLE-ACCESS5500	1/180 MONOBRAS	N/360
AVR: Automatic voltage regulator	standard	standard	—	factory option
DIFF: Kit interfif <sup>1</sup>	—	standard	factory option	factory option

\* Kit interfif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod



Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

# Generators EXPERT

Single Phase, OHC Gasoline

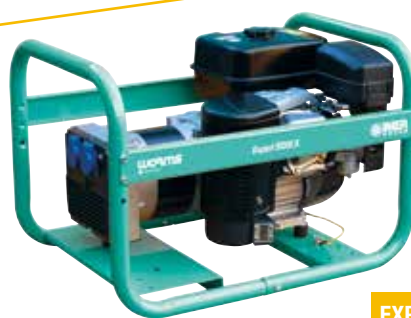
Generators Range

**3 YEARS  
WARRANTY**



PETROL  
**RON 95**  
OUTPUT POWER  
**2.6 kW**  
**P<sub>max</sub>**

**EXPERT 3010 X**



PETROL  
**RON 95**  
OUTPUT POWER  
**4.3 kW**  
**P<sub>max</sub>**

**EXPERT 5010 X**



PETROL  
**RON 95**  
OUTPUT POWER  
**3.3 kW**  
**P<sub>max</sub>**

**EXPERT 4010 X**



Powered By

PETROL  
**RON 95**  
OUTPUT POWER  
**5.85 kW**  
**P<sub>max</sub>**

**EXPERT 6510 X**



**230 V**

## Heavy duty jobs

### EXPERT - GASOLINE

Designed for intensive use. Robust, powerful and uncluttered.

#### EXPERT Standard Equipment

- ✓ OHC, 4-stroke Gasoline ENGINE
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Sockets protected by thermal circuit breaker
- ✓ Brushless alternator, 2 poles (except AVR)
- ✓ Heavy duty steel frame



Optional Accessory  
Male Plug n°2 - 32 A - 230 V



Equipped with an Automatic Voltage Regulator (AVR), power regulation is electronically controlled, which provides better voltage and frequency stability.



#### MAINTENANCE KIT

Available for below engines  
EX13, EX17, EX21, EX27, EX35  
and EX40.

**Wheelbarrow kit** For moving your generator  
with 2 large wheels.



**1/180 MONOBRAS**  
REF. 290000001



**N/360**  
REF. 290000002

	EXPERT 3010 X	EXPERT 4010 X	EXPERT 5010 X	EXPERT 6510 X	EXPERT 7510 X
Made in France					
Type	1 phase	1 phase	1 phase	1 phase	1 phase
Voltage regulator	Capacitor	Capacitor	Capacitor	Capacitor	Capacitor
Maximum output	kW 2.6	3.3	4.3	5.85	7
Continuous operations power (COP)	kW 1.9	2.4	3.1	5	5
Maximum Amps	A 11.3	14.3	18.7	25.4	30.4
AC voltage	V 230	230	230	230	230
Frequency	Hz 50	50	50	50	50
Noise power level ECC (LwA)	dB(A) 96	97	97	97	97
Noise power level @ 7 m	dB(A) 71	72	72	72	72
Engine model	WORMS EX17	WORMS EX21	WORMS EX27	WORMS EX40	WORMS EX40
Maximum output	HP 5.7	7	9	14	14
Fuel type	Petrol RON 95				
Fuel tank capacity	L 3.2	3.2	5.6	6.8	6.8
Run Time (¾ of the continuous output)	h 3 h 40	3 h	3 h 40	3 h 25	3 h
Single phase socket 10/16 A Schuko	2	2	2	1	1
EC Single phase socket 230 V / 32 A	—	—	—	1	1
Dimensions L x W x H	mm 600 x 470 x 415	700 x 500 x 485	790 x 550 x 515	855 x 555 x 542	855 x 555 x 542
Packaging dimensions L x W x H	mm 615 x 485 x 445	715 x 515 x 515	810 x 570 x 540	880 x 575 x 555	880 x 575 x 555
Dimensions option AVR L x W x H	mm —	—	—	855 x 555 x 542	—
Net Weight (Gross weight)	kg 35 (36)	38.5 (39.5)	54 (56)	73 (75)	73 (75)
Reference standard version (Std.)	2V0100010	2V0100011	2V0000012	2V0000013	2V0000014
Reference Std. version + DIFF	2V0000010.1	2V0000011.6	2V0000012.1	2V0000013.1	2V0000014.1
Reference Std. version + AVR	—	2V0000011.9	2V0000012.2	2V0000013.2	2V0000014.2
Reference Std. version + DE	—	—	—	—	2V0000014.3
Reference Std. version + DIFF + AVR	—	2V0000011.1	2V0000012.3	2V0000013.3	2V0000014.7
Reference Std. version + DIFF + DE	—	—	—	—	2V0000014.6
Reference Std. version + AVR + DE	—	—	—	—	2V0000014.4
Reference Std. + DIFF + AVR + DE	—	—	—	—	2V0000014.5

#### Optional equipments

Wheelbarrow kit	1/180 MONOBRAS	N/360
Integrated wheelbarrow	factory option	—
DE: Electric start + Battery	—	—
AVR: Automatic voltage regulator	—	factory option
DIFF: Kit interfif *	factory option	factory option
Maintenance KIT	Kit N° 2	Kit N° 4

\* Kit interfif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod

# Generators EXPLORER

Single Phase, OHC Gasoline, Large Tank

Generators Range

**3 YEARS  
WARRANTY**

Powered By



**230 V**

PETROL  
**RON 95**

OUTPUT POWER  
**P<sub>max</sub> 4.3 kW**

VERY LONG  
**AUTONOMY**

**EXPLORER 5010 XL12**



PETROL  
**RON 95**

OUTPUT POWER  
**P<sub>max</sub> 7 kW**

LONG  
**AUTONOMY**

**EXPLORER 7510 XL27**



**Strong & Powerfull**

## EXPLORER - GASOLINE

Designed for frequent, heavy-use and longer run times.

AUTOMATIC TRANSFER SWITCH INCLUDED



AUTOMATIC TRANSFER SWITCH INCLUDED

with **EXPLORER 7510 XL27 AVR DE N/S**

### EXPLORER Standard Equipment

- ✓ OHC, 4-stroke Gasoline ENGINE
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Large tank
- ✓ Fuel gauge
- ✓ Sockets protected by thermal circuit breaker
- ✓ Brushless alternator, 2 poles
- ✓ Heavy duty steel frame
- ✓ EXPLORER 7510 XL27 AVR DE N/S :
  - Electric start + Battery;
  - ATS: Mains Failure Automatic Transfer Switch;
  - AVR: Automatic voltage regulator.



Equipped with an Automatic Voltage Regulator (AVR), power regulation is electronically controlled, which provides better voltage and frequency stability.



Optional Accessory

Male Plug n°2 - 32 A - 230 V

**Wheelbarrow kit** For moving your generator with 2 large wheels.



**MONOBRAS EXPLORER**  
REF. 290000003



**N/360**  
REF. 290000002

	Made in France	EXPLORER 4010 XL12	EXPLORER 5010 XL12	EXPLORER 6010 XL12	EXPLORER 6510 XL27	EXPLORER 7510 XL27	
						STANDARD	AVR DE N/S
Type		1 phase	1 phase	1 phase	1 phase	1 phase	
Voltage regulator		Capacitor	Capacitor	Capacitor	Capacitor	Capacitor	AVR
Maximum output	kW	3.3	4.3	4.8	5.85	7	
Continuous operations power (COP)	kW	2.4	3.4	3.6	5	5	
Maximum Amps	A	14.3	18.7	20.9	25.4	30.4	
AC voltage	V	230	230	230	230	230	
Frequency	Hz	50	50	50	50	50	
Noise power level ECC (LwA)	dB(A)	96	97	97	97	97	
Noise power level @ 7 m	dB(A)	71	72	72	72	72	
Engine model		WORMS EX21	WORMS EX27	WORMS EX30	WORMS EX40	WORMS EX40	
Maximum output	HP	7	9	10	14	14	
Fuel type		Petrol RON 95					
Fuel tank capacity	L	14	14	14	25	25	
Run Time (% of the continuous output)		11 h 30	8 h 30	8 h	9 h	7 h 30	
Single phase socket 10/16 A Schuko		2	2	2	1	1	
EC Single phase socket 230 V / 32 A		—	—	—	1	1	
Dimensions L x W x H	mm	620 x 480 x 475	785 x 550 x 515		870 x 570 x 610		
Packaging dimensions L x W x H	mm	635 x 495 x 505	800 x 565 x 545		890 x 590 x 630		
Net Weight (Gross weight)	kg	46 (47)	64 (66)	69 (71)	83.5 (85.5)	83.5 (85.5)	
Ref. standard version (Std.)		2V0010021	2V0000022	2V0000023	2V0000024	2V0000025	2V0000026
Ref. Std. version + DIFF		2V0000021.1	2V0000022.1	2V0000023.1	2V0000024.1	2V0000025.1	2V0000026.1
Ref. Std. version + AVR		2V0000021.2	—	2V0000023.3	2V0000024.2	2V0000025.3	—
Ref. Std. version + DE		—	—	2V0000023.2	—	2V0000025.2	—
Ref. Std. version + DIFF + AVR		2V0000021.3	—	2V0000023.4	2V0000024.3	2V0000025.5	—
Ref. Std. version + DIFF + DE		—	—	2V0000023.7	—	2V0000025.8	—
Ref. Std. version + AVR + DE		—	—	2V0000023.5	—	2V0000025.4	—
Ref. Std. version + DIFF + AVR + DE		—	—	2V0000023.6	—	2V0000025.6	—

### Optional equipments

Wheelbarrow kit	MONOBRAS EXPLORER	N/360				
DE: Electric start + Battery	—	—	factory option	—	factory option	standard
ATS: Mains Failure Automatic Transfer Switch	—	—	—	—	—	standard
AVR: Automatic voltage regulator	factory option	factory option	factory option	factory option	factory option	standard
DIFF: Kit interfir *	factory option	factory option	factory option	factory option	factory option	factory option
Maintenance KIT	Kit N° 2	Kit N° 3	—	Kit N° 4	Kit N° 4	Kit N° 4

\* Kit interfir = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod



# Generators LEADER

Single Phase, OHV Gasoline, Large Tank

Generators Range

**3 YEARS  
WARRANTY**



PETROL  
**RON 95**

OUTPUT POWER  
**P<sub>max</sub> 9.2 kW**

LONG  
**AUTONOMY**

ELECTRIC  
**START**

**230 V**

POWER SWITCH

## LEADER Standard Equipment

- ✓ OHV, 4-stroke Gasoline engine
- ✓ Electric start + Battery
- ✓ Low oil pressure security
- ✓ Low oil alert
- ✓ Large tank
- ✓ Fuel gauge
- ✓ Sockets protected by thermal circuit breaker
- ✓ Heavy duty steel frame

LEADER 10500 XL21 DE

**Super pro**

## LEADER - GASOLINE

Combined with OHV engine technology, Leaders range brings you benefit of a longer run time generators, with standard electric start.



**YAMAHA EH65 & EH72**

- ✓ V-Twin engine
- ✓ Overhead valves
- ✓ Dual air filter



Optional Accessory  
Male Plug n°2 - 32 A - 230 V

**Wheelbarrow kit** For moving your generator with 2 large wheels.



**N/360 535**  
REF: 290000007

		2000/14/EC	2000/14/EC
	Made in France	LEADER 10500 XL21 DE	LEADER 12500 XL21 DE
Type		1 phase	1 phase
Voltage regulator		Capacitor	Capacitor
Maximum output	kW	9.2	10.6
Continuous operating power (COP)	kW	7.2	7.7
Maximum Amps	A	40	46.1
AC voltage	V	230	230
Frequency	Hz	50	50
Noise power level ECC (LwA)	dB(A)	104	104
Noise power level @ 7 m	dB(A)	79	79
Engine model		YAMAHA EH65	YAMAHA EH72
Maximum output	HP	22	25
Fuel type		Petrol RON 95	Petrol RON 95
Fuel tank capacity	L	21	21
Run Time (¾ of the continuous output)		6 h 10	5 h 30
Single phase socket 10/16 A Schuko		1	1
EC Single phase socket 230 V / 32 A		1	1
Dimensions L x W x H	mm	935 x 575 x 575	935 x 575 x 575
Packaging dimensions L x W x H	mm	960 x 610 x 600	960 x 610 x 600
Net Weight (Gross weight)	kg	99 (101)	109 (111)
Reference standard version (Std.)		2V0000030	2V0000031
Reference Std. version + DIFF		2V0000030.1	2V0000031.1
Reference Std. version + AVR		2V0000030.2	2V0000031.2
Reference Std. version + DIFF + AVR		2V0000030.3	2V0000031.3

### Optional equipments

Wheelbarrow kit	N/360 535	N/360 535
AVR: Automatic voltage regulator	factory option	factory option
DIFF: Kit interdif *	factory option	factory option

\* Kit interdif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod

2000/14/EC Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

# Generators TRISTAR

Three Phase, OHC / OHV Gasoline

Hyper pro

## TRISTAR OHC - GASOLINE

Your tools need three phase current, Tristar range brings you the solution. Equipped with a gasoline engine, you will find surely the best generator that is made for you.

### Standard Equipment

- ✓ OHC, 4-stroke Gasoline ENGINE
- ✓ Recoil start
- ✓ Electronic oil sensor security
- ✓ Sockets protected by thermal circuit breaker
- ✓ Fuel gauge (large tank version)
- ✓ Heavy duty steel frame



Made in France	TRISTAR 6510		TRISTAR 8510		MTXL27 EX DE N/S
	EX STANDARD	MTXL27 EX LARG TANK	EX STANDARD	MTXL27 EX LARG TANK	
Type	3 phase / 1 phase		3 phase / 1 phase		
Voltage regulator	Compound		Compound		
Maximum output	kW	5.8 / 3.7	ALTERNATOR REINFORCED	7.2 / 3.7	
Continuous operations power (COP)	kW	5 / —		5 / —	
Maximum output	kVA	7.3 / —		9 / —	
Maximum Amps	A	10.5 / 16		13 / 16	
AC voltage	V	400 / 230		400 / 230	
Frequency	Hz	50		50	
Noise power level ECC (LwA)	dB(A)	97		97	
Noise power level @ 7 m	dB(A)	72		72	
Engine model	WORMS EX40		WORMS EX40		
Maximum output	HP	14		14	
Fuel type	Petrol RON 95				
Fuel tank capacity	L	6.8	25	6.8	25
Run Time (% of the continuous output)		3 h 25	13 h 20	3 h	12 h 20
Single phase socket 10/16 A Schuko	1	1	1	1	1
EC Three phase socket 400 V / 16 A	1	1	1	1	1
EC Three phase socket 400 V / 32 A	—	—	—	—	—
Dimensions L x W x H	mm	790 x 550 x 515	870 x 570 x 610	855 x 555 x 542	870 x 570 x 610
Packaging dimensions L x W x H	mm	810 x 570 x 620	890 x 590 x 630	880 x 575 x 555	890 x 590 x 630
Net Weight (Gross weight)	kg	79.5 (82.5)	90 (92)	83.5 (86.5)	94 (96)
Reference standard version (Std.)		2V0000040	2V0000041	2V0000042	2V0000043
Reference Std. version + DIFF		2V0000040.1	2V0000041.1	2V0000042.2	2V0000043.1
Reference Std. version + AVR		—	—	2V0000042.1	2V0000043.2
Reference Std. version + DE		—	—	2V0000042.3	2V0000043.3
Reference Std. version + DIFF + AVR		—	—	2V0000042.7	2V0000043.7
Reference Std. version + DIFF + DE		—	—	2V0000042.4	2V0000043.4
Reference Std. version + AVR + DE		—	—	2V0000042.6	2V0000043.6
Reference Std. + DIFF + AVR + DE		—	—	2V0000042.5	2V0000043.5

### Optional equipments

Wheelbarrow kit	N/360				
DE: Electric start + Battery	—	—	factory option	factory option	standard
ATS: Mains Failure Automatic Transfer Switch	—	—	—	—	standard
AVR: Automatic voltage regulator	—	—	factory option	factory option	factory option
DIFF: Kit interdif *	factory option	factory option	factory option	factory option	factory option
Maintenance KIT	Kit N° 4	Kit N° 4	Kit N° 4	Kit N° 4	Kit N° 4

\* Kit interdif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod



Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

**3 YEARS  
WARRANTY**

OUTPUT POWER  
**5.8 kW**  
**P<sub>max</sub>**

PETROL  
**RON 95**

**LARGE  
TANK**



**TRISTAR 6510 EX**



Powered By

OUTPUT POWER  
**5.8 kW**  
**P<sub>max</sub>**

VERY LONG  
**AUTONOMY**

PETROL  
**RON 95**



**TRISTAR 6510 MTXL27 EX**

LARGE TANK VERSION

**400 V**

PETROL  
**RON 95**

OUTPUT POWER  
**7.2 kW**  
**P<sub>max</sub>**

**REINFORCED  
ALTERNATOR**



**TRISTAR 8510 EX**

**LARGE  
TANK**



Powered By

OUTPUT POWER  
**7.2 kW**  
**P<sub>max</sub>**

**REINFORCED  
ALTERNATOR**

PETROL  
**RON 95**



**TRISTAR 8510 MTXL27 EX**

LARGE TANK VERSION

**Wheelbarrow kit** For moving your generator  
with 2 large wheels



**N/360**  
REF. 290000002

**TRISTAR 8510 MTXL27 EX DE N/S**

- + Large tank of 25 L
- + Electric start + Battery
- + ATS: Mains Failure Automatic Transfer Switch



# Generators

## TRISTAR

Triphasé, OHV Essence

Generators Range

**3 YEARS**  
WARRANTY

OUTPUT POWER  
**P<sub>max</sub> 10kW**

ELECTRIC  
**START**

MOTEUR ESSENCE  
**SP 95**

LONG  
**AUTONOMY**



TRISTAR 10500 XL21 DE



TRISTAR 12500 XL21 DE

OUTPUT POWER  
**P<sub>max</sub> 12kW**

ELECTRIC  
**START**

MOTEUR ESSENCE  
**SP 95**

LONG  
**AUTONOMY**

**400 V**

*Hyper pro*

### Standard Equipment

- ✓ OHV, 4-stroke Gasoline engine
- ✓ Electric start + Battery
- ✓ Low oil pressure security
- ✓ Low oil alert
- ✓ Sockets protected by thermal circuit breaker
- ✓ Large tank
- ✓ Fuel gauge
- ✓ Heavy duty steel frame



COMPLIANT  
TO THE EU STAGE V  
EMISSIONS DIRECTIVE



Powered By



## TRISTAR OHV - GASOLINE

Your tools need three phase current, Tristar range brings you the solution. Equipped with a gasoline engine, you will find surely the best generator that is made for you.



	France	TRISTAR 10500 XL21 DE	TRISTAR 12500 XL21 DE
Type		3 phase / 1 phase	3 phase / 1 phase
Voltage regulator		Compound	Compound
Maximum output	kW	10 / 3.7	12 / 3.7
Continuous operating power (COP)	kW	9.3 / —	10 / —
Maximum output	kVA	12.5 / —	15 / —
Maximum Amps	A	18 / 16	21.7 / 16
AC voltage	V	400 / 230	400 / 230
Frequency	Hz	50	50
Noise power level ECC (LwA)	dB(A)	104	104
Noise power level @ 7 m	dB(A)	79	79
Engine model		YAMAHA EH65	YAMAHA EH72
Maximum output	ch	22	25
Fuel type		Petrol RON 95	Petrol RON 95
Fuel tank capacity	L	21	21
Run Time (% of the continuous output)		6 h 10	5 h 30
Single phase socket 10/16 A Schuko		1	1
EC Three phase socket 400 V / 16 A		1	1
EC Three phase socket 400 V / 32 A	mm	935 x 575 x 575	935 x 575 x 575
Dimensions L x W x H	mm	960 x 610 x 600	960 x 610 x 600
Packaging dimensions L x W x H	kg	118 (120)	120 (122)
Net Weight (Gross weight)		2V0000045	2V0000046
Reference standard version (Std.)		2V0000045.1	2V0000046.1
Reference Std. version + DIFF		2V0000045.2	2V0000046.2
Reference Std. version + AVR		2V0000045.3	2V0000046.3

### Optional equipments

Wheelbarrow kit	N/360 535	
DE: Electric start + Battery	standard	standard
AVR: Automatic voltage regulator	factory option	factory option
DIFF: Kit interdif *	factory option	factory option

\* Kit interdif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod



Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

**Wheelbarrow kit** For moving your generator with 2 large wheels.



N/360 535  
REF. 290000007

# Generators DIESEL

Single Phase or Three Phase, Large Tank

Generators Range

OUTPUT POWER  
**5.2 kW**  
**P<sub>max</sub>**

ELECTRIC  
**START**

**DIESEL**



MASTER 6010 DXL15 YN DE



TRISTAR 6510 DTXL15

OUTPUT POWER  
**5.2 kW**  
**P<sub>max</sub>**

ELECTRIC  
**START**

**DIESEL**

Very Long Run Time

230 V

400 V

## Standard Equipment

- ✓ 4-stroke Diesel engine
- ✓ Electric start + Battery
- ✓ Recoil start
- ✓ Low oil pressure security
- ✓ Large tank
- ✓ Fuel gauge
- ✓ Sockets protected by thermal circuit breaker
- ✓ Brushless alternator, 2 poles (MASTER)
- ✓ Heavy duty steel frame



Powered By

**YANMAR**

## MASTER & TRISTAR - DIESEL

You need a generator with an industrial Diesel engine, this range offers you all the comfort of a construction site generator.

Made in France		MASTER 6010 DXL15 YN DE	TRISTAR 6510 DTXL15 YN DE
Type		1 phase	3 phase / 1 phase
Voltage regulator		Capacitor	Compound
Maximum output	kW	5.2	5.2 / 3.7
Continuous operations power (COP)	kW	4.5	4.5 / —
Maximum output	kVA	—	6.5 / —
Maximum Amps	A	22.6	9.4 / 16
AC voltage	V	230	400 / 230
Frequency	Hz	50	50
Noise power level ECC (LwA)	dB(A)	103	103
Noise power level @ 7 m	dB(A)	78	78
Engine model		YANMAR L100V5	YANMAR L100V5
Maximum output	HP	8.4	8.4
Fuel type		Diesel <sup>2</sup>	
Fuel tank capacity	L	15	15
Run Time (¾ of the continuous output)		9 h 45	9 h 45
Single phase socket 10/16 A Schuko	••	1	1
EC Single phase socket 230 V / 32 A	•••	1	—
EC Three phase socket 400 V / 16 A	••••	—	1
Dimensions L x W x H	mm	875 x 535 x 635	875 x 535 x 635
Packaging dimensions L x W x H	mm	895 x 555 x 655	895 x 555 x 655
Net Weight (Gross weight)	kg	95.5 (99.5)	120 (126)
Reference standard version (Std.)		2V0000054	2V0000049
Reference Std. version + DIFF		2V0000054.1	2V0000049.3
Reference Std. version + AVR		2V0000054.2	2V0000049.1
Reference Std. version + DIFF + AVR		2V0000054.3	2V0000049.2

## Optional equipments

Wheelbarrow kit	N/360 AXE	N/360 AXE
DE: Electric start + Battery	standard	standard
AVR: Automatic voltage regulator	factory option	factory option
DIFF: Kit interfif *	factory option	factory option

\* Kit interfif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod

**2000/14/EC** Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.

**Wheelbarrow kit** For moving your generator with 2 large wheels.



N/360 AXE  
REF. 290000006

# Generators SILENTSTAR

Single Phase or Three Phase, Diesel, Large Tank

**Reliable Power / Compact Solution**

## SILENTSTAR - CANOPY DIESEL

These models are designed for residential or construction areas and are characterized by their compactness and robustness. A proven Yanmar engine and a high-quality alternator ensure reliable electrical power production even under the most demanding conditions.

### SILENTSTAR Standard Equipment

- ✓ 4-stroke Diesel engine
- ✓ Electric start + Battery
- ✓ Low oil pressure security
- ✓ Starting and Control Module (Voltage / Frequncymeter / Voltmeter) [1]
- ✓ Emergency stop button [2]
- ✓ Current leakage protection and circuit breaker [3]
- ✓ Connection for additional options [4]
- ✓ Sound proof canopy - double layer panel

Powered By  
**YANMAR**



3000 RPM



1500 RPM



3000 RPM



3000 RPM



1500 RPM



3000 RPM



Made in France		SILENTSTAR 6000D M YN	SILENTSTAR 7 M AVR YN	SILENTSTAR 13000D M AVR YN	SILENTSTAR 6500D T YN	SILENTSTAR 7 T AVR YN	SILENTSTAR 13000D T AVR YN
Type		1 phase	1 phase	1 phase	3 phase / 1 phase	3 phase / 1 phase	3 phase / 1 phase
Voltage regulator		Capacitor	AVR	AVR	Compound	AVR	AVR
Maximum output	kW	5.2	6	11.2	5.2 / 3.7	6.1 / 2.0	11.4 / 3.7
Continuous operating power (COP)	kW	4.4	5.5	10	4.4 / —	5.5 / —	10 / —
Maximum output	kVA	—	—	—	6.5 / —	7.6 / —	14.3 / —
Maximum Amps	A	22.6	23.9	48.7	9.4 / 16	11 / —	20.6 / 16
AC voltage	V	230	230	230	400 / 230	400 / 230	400 / 230
Frequency	Hz	50	50	50	50	50	50
Noise power level ECC (LwA)	dB(A)	97	86	95	97	86	95
Noise power level @ 7 m	dB(A)	72	61	70	72	61	70
Engine model		YANMAR L100V5	YANMAR 3TNM72-GWG	YANMAR 3TNM72-HWG	YANMAR L100V5	YANMAR 3TNM72-GWG	YANMAR 3TNM72-HWG
Maximum output	HP	8.4	9.8	19.2	8.4	9.8	19.2
Fuel type		Diesel <sup>2</sup>			Diesel <sup>2</sup>		
Fuel tank capacity	L	22	40	40	22	40	40
Run Time (% of the continuous output)		14 h 20	30 h 30	13 h 50	14 h 20	30 h 30	13 h 30
Single phase socket 10/16 A Schuko		1	1	1	1	1	1
EC Single phase socket 230 V / 16 A		1	1	1	1	1	1
EC Single phase socket 230 V / 32 A		1	1	—	—	—	—
EC Single phase socket 230 V / 63 A		—	—	1	—	—	—
EC Three phase socket 400 V / 16 A		—	—	—	1	1	1
Dimensions L x W x H	mm	860 x 560 x 720	1360 x 650 x 840	1360 x 650 x 840	860 x 560 x 720	1360 x 650 x 840	1360 x 650 x 840
Packaging dimensions L x W x H	mm	1130 x 630 x 930	1380 x 650 x 860	1380 x 650 x 860	1130 x 630 x 930	1380 x 650 x 860	1380 x 650 x 860
Net Weight (Gross weight)	kg	170 (175)	396 (420)	393 (418)	170 (175)	396 (420)	400 (425)
Reference standard version (Std.)		2V0001000	2V0001001	2V0011002	2V0001003	2V0001004	2V0001005
Reference Std. version + AVR		2V0001000.1	—	—	2V0001003.1	—	—
Reference Std. version + Clock		—	2V0011001H	2V0011002H	—	2V0011004H	2V0011005H

### Optional equipments

Wheelbarrow kit	SILE6BRTE	SILE7-13BRTEG	SILE7-13BRTEG	SILE6BRTE	SILE7-13BRTEG	SILE7-13BRTEG
Remote start	optional	optional	optional	optional	optional	optional
ATS: Mains Failure Automatic Transfer Switch	optional	optional	optional	optional	optional	optional
AVR: Automatic voltage regulator	factory option	standard	standard	factory option	standard	standard
Clock	—	factory option	factory option	—	factory option	factory option
Road trailer	factory option	factory option	factory option	factory option	factory option	factory option

<sup>1</sup> Applicable to material and/or SILENTSTAR 6000D M YN and SILENTSTAR 6500D T YN. Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.



Remote start, 10 m



ATS: Mains Failure  
Automatic Transfer Switch



## Generators Range



**OUTPUT POWER**  
**5.2 kW**  
**P<sub>max</sub>**

**ELECTRIC START**

**VERY LONG AUTONOMY**

**THREE SOCKETS**

**SILENTSTAR 6000D M YN**

**3 YEARS WARRANTY**

Only for 6000D M YN and 6500D T YN. Diesel engines are warranted separately by the engine manufacturer conditions¹.

**230 V**



**SILENTSTAR 7 M AVR YN**



**OUTPUT POWER**  
**6 kW**  
**P<sub>max</sub>**

**ELECTRIC START**

**THREE SOCKETS**

**VERY LONG AUTONOMY**

### FACTORY OPTION: CLOCK

The factory Clock option allows scheduling the automatic start and stop of the generator on a weekly basis.

The clock has 25 programmable time slots. This generator is equipped with a device that prevents it from starting under load, whether it is started manually or via the clock function.



**OUTPUT POWER**  
**5.2 kW**  
**P<sub>max</sub>**

**ELECTRIC START**

**THREE SOCKETS**

**VERY LONG AUTONOMY**

**SILENTSTAR 6500D T YN**

**400 V**



**SILENTSTAR 13000D T AVR YN**



**OUTPUT POWER**  
**11.4 kW**  
**P<sub>max</sub>**

**ELECTRIC START**

**THREE SOCKETS**

**VERY LONG AUTONOMY**

**Wheelbarrow kit** For moving your generator with 2 large wheels.



**SILE6BRT**  
REF. 290000008

**SILE7-13BRTG**  
REF. 290000009

# Generators

## SILENTSTAR **STANDBY** GENERATOR

Single Phase or Three Phase, Diesel, 1500 RPM

from 10 kVA to 62.5 kVA

### SILENTSTAR STANDBY

The expertise in power generation solution of WORMS ENTREPRISES combined to the world class diesel engine manufacturer MAHINDRA POWEROL gave birth to a new range of SILENTSTAR standby generators.

**AUTOMATIC  
TRANSFER  
SWITCH**



Electronic device regulating  $\pm 2\%$  the alternator voltage (Volt). It's recommended for sensitive equipment to voltage fluctuations.



### DEEP SEA ELECTRONICS CONTROL MODULE



- ✓ Voltmeter
- ✓ Frequency meter
- ✓ Hour counter
- ✓ Alarm
- ✓ Engine stop switch



### DRAWER FUEL TANK

Easy maintenance



**INTERIOR  
LIGHTING**



**EMERGENCY  
STOP BUTTON**



**COOLANT  
FILLER CAP**  
Easy coolant refill



**ANTI-VIBRATION  
MOUNTS**



**FUEL FILLER CAP**  
Securely located inside to prevent theft



**EXHAUST PIPE**

Adjustable and removable



**OIL DRAIN**

Quick connect hose included for clean oil change



**CONTROL PANEL**

Switches, control module and warning lights behind the locking door



**AIR FILTER**

Dual stage air filter with maintenance indicator



**DOCUMENT HOLDER**

Keeps essential documents within reach



**HOT AIR VENTS**



**LIFTING EYE**



**FUEL GAUGE**



**AIR INTAKE VENTS**



**FUEL FILTERS**

Two-stage diesel filter



**CABLE PASS THROUGH**

With rubber grommet



**WIDE ACCESS DOORS**

Double-walled and soundproof



**LOCKING DOORS**

With lock and integrated hasp



**BATTERY COMPARTMENT**

Easy access for maintenance





# Generators

## SILENTSTAR MOBILE

Three Phase, Diesel, 1500 RPM



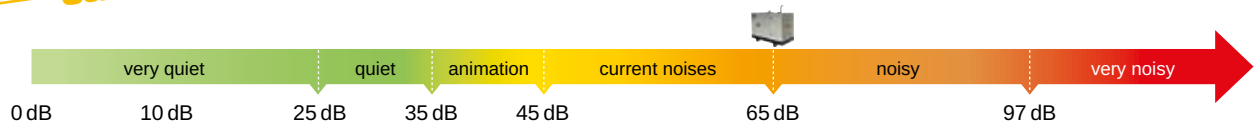
GENERAL INFORMATION	STAGE3A	SILENTSTAR 10 M MD	SILENTSTAR 15 T MD
Type		1 Phase	3 Phase
Speed		1500 RPM	1500 RPM
Frequency		50 Hz	50 Hz
PRP - Prime Power		10 kVA	15 kVA
PRP - Prime Power (cos φ*)		10 kW	12 kW
LTP - STANDBY Power		11 kVA	16.5 kVA
LTP - STANDBY Power (cos φ*)		11 kW	13.2 kW
Standard Voltage		230 V	400 V / 230 V
Current (cos φ*)		43 A	22 A
*cos φ		1	0.8
FUEL CONSUMPTION			
Type		Diesel	Diesel
Standard Fuel Tank Capacity		55 L	75 L
Fuel Consumption at 75% Load		2.2 L / h	2.9 L / h
Autonomy @ 75% Load		25 h	25 h
WEIGHT AND DIMENSIONS			
Dimensions (L x W x h)		(1760 x 990 x 1370) mm	(1880 x 980 x 1400) mm
Weight with Liquids (Excluding Optionals and Fuel) (± 3 %)		633 kg	738 kg
NOISE LEVEL ( ± 3 DB(A))			
Sound Pressure Level @ 7 m		65 dB(A)	65 dB(A)
ENGINE			
Manufacturer		<b>Mahindra</b>	<b>Mahindra</b>
Model		2185 GM C2	3255 GM C2
Cycle		4 Stroke	4 Stroke
Active Net Power		16.3 HP	22.7 HP
Aspiration		Natural	Natural
Cylinder		2	3
Bore x Stroke		(89 x 110) mm	(88.9 x 110) mm
Displacement		1366 cc	2048 cc
Engine Oil Specifications		SAE15W40 CI4	SAE15W40 CI4
Total Oil Capacity		6 L	6.5 L
Total Coolant Capacity		5.5 L	5.5 L
ALTERNATOR			
Manufacturer		<b>LEROY-SOMER™</b>	<b>LEROY-SOMER™</b>
Voltage Regulator (Voltage Accuracy)		1 ± %	1 ± %
Protection Degree		IP 23	IP 23
Class of Insulation		Classe H	Class H

### LTP

Net limited-time running power 100%, which can be delivered during 500 running hour/ year (there of max. 300 h continuously), no overload permissible.

### PRP

Net prime power available at 100% load with an average load of 80% or less without time limitation, with a 10% overload allowed for 1 hour every 12 hours.



SILENTSTAR 20 T MD	SILENTSTAR 30 T MD	SILENTSTAR 40 T MD	SILENTSTAR 50 T MD	SILENTSTAR 62 T MD
3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
1500 RPM	1500 RPM	1500 RPM	1500 RPM	1500 RPM
50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
20 kVA	30 kVA	40 kVA	50 kVA	62.5 kVA
18 kW	24 kW	32 kW	40 kW	50 kW
22 kVA	33 kVA	44 kVA	55 kVA	68.75 kVA
17.6 kW	26.4 kW	35.2 kW	44 kW	55 kW
400 V / 230 V	400 V / 230 V	400 V / 230 V	400 V / 230 V	400 V / 230 V
32 A	43 A	56 A	72 A	90 A
0.8	0.8	0.8	0.8	0.8
Diesel	Diesel	Diesel	Diesel	Diesel
75 L	115 L	115 L	185 L	185 L
3.8 L / h	5.1 L / h	6.5 L / h	8.3 L / h	10.5 L / h
19 h	22 h	18 h	22 h	18 h
(1880 x 950 x 1400) mm	(2000 x 990 x 1400) mm	(2000 x 980 x 1280) mm	(2450 x 1060 x 2180) mm	(2400 x 1050 x 1520) mm
786 kg	935 kg	985 kg	1258 kg	1293 kg
65 dB(A)	65 dB(A)	65 dB(A)	65 dB(A)	65 dB(A)
Mahindra	Mahindra	Mahindra	Mahindra	Mahindra
3335 TCGM C2	3445 TCIGM C2	4575 TCIGM C2	4725 GMA C2	4905 GMA C2
4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke
29.9 HP	40 HP	51.8 HP	65.4 HP	81.8 HP
Turbo (TC)	Turbo (TCI)	Turbo (TCI)	Turbo (TCI)	Turbo (TCI)
3	3	4	4	4
(88.9 x 101.6) mm	(88.9 x 110) mm	(88.9 x 110) mm	(94 x 115) mm	(96 x 122) mm
1892 cc	2048 cc	2731 cc	3192 cc	3532 cc
SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4
7 L	7 L	10.5 L	10 L	10 L
5.5 L	9.5 L	9.5 L	12 L	15 L
LEROY-SOMER™	LEROY-SOMER™	LEROY-SOMER™	LEROY-SOMER™	LEROY-SOMER™
1 ± %	1 ± %	1 ± %	1 ± %	1 ± %
IP 23	IP 23	IP 23	IP 23	IP 23
Class H	Class H	Class H	Class H	Class H



## Maintenance Kit

✦ Mahindra Diesel Engine 1200 Hours Service Kit

# Generators

## SILENTSTAR MOBILE

Three Phase, Diesel, 1500 RPM



COMPLIANT TO THE EU STAGE  
V EMISSIONS DIRECTIVE

Generators Range



FREQUENCY  
50 Hz



DIESEL

from 10 kVA to 400 kVA

### SILENTSTAR / OPENSTAR

Equipped with high-performance engines that comply with anti-pollution standards, the Silentstar offers a complete range of electrical panels and numerous equipment options that adapt to all applications. It is also available in single-phase version. Please contact us for higher power output generator sets.



### MOBILE APPLICATIONS

- ✓ Rent
- ✓ Event
- ✓ Construction site

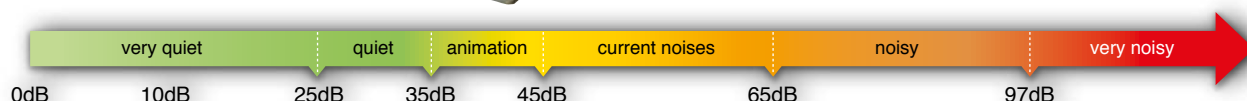
### LTP (Limited Time Power):

Net limited-time running power 100%, which can be delivered during 500 running hour/year (there of max. 300 h continuously), no overload permissible.

### PRP (PRime Power):

Net prime power available at 100% load with an average load of 80% or less without time limitation, with a 10% overload allowed for 1 hour every 12 hours.

According to ISO 8528-1 performance standard.



### MOBILE



### SILENTSTAR

10 T YN    15 T YN    20 T YN    33 T YN    40 T YN    60 T AI    85 T AI    100 T AI

PRP Power	kVA	10	15	20	33	40	60	85.7	100
PRP Power cosφ= 0.8	kW	8	12	16	26.4	32	48	68.5	80
LTP Power	kVA	11	17	22	37	44	60	90	110
LTP Power cosφ = 0.8	kW	8.8	13.5	17.5	29.6	35.2	48	72	88
Amp cosφ = 0.8	A	14.45	21.5	28.8	47.69	57.8	86.71	133.84	144.51
Noise Level	LwA	83	87	88	88	88	90	91	92
Acoustic pressure @ 7 m	dB(A)	58	62	63	63	63	65	66	67
Acoustic pressure @ 1 m	dB(A)	67	71	72	72	72	74	75	76
Fuel tank capacity	L	110	105	105	110	110	250	250	250
Run Time (¾ of the continuous output)	h	62	39	31	—	—	23	20	15

### ENGINE

Engine Brand		YANMAR	YANMAR	YANMAR	YANMAR	YANMAR	FPT	FPT	FPT
Engine model		3TNV80F	3TNV88F	4TNV88F	4TNV98C-IE	4TNV98CT-IE	F34TEVP01.0	F36ETVP03.A85	F36ETVP03.A94
Rated Engine Power	kW	12.2	13.8	18	31.6	43.4	54	74.3	91.8
Displacement	L	1.267	2.188	2.188	3.319	3.319	3.4	3.6	3.6
Emissions		Stage 5	Stage 5	Stage 5	Stage 5	Stage 5	Stage 5	Stage 5	Stage 5

### ALTERNATOR

Alternator Brand		STAMFORD	LINZ / SINCRO / MECCALTE	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD
Alternator model		SOL1-H1	Depending on the alternator brand	S1L2-J1	S1L2-N1	S1L2-Y1	UCI224G	UCI274C
Dimensions (L x W x h)	cm	175 x 90 x 140	173 x 93 x 131	173 x 93 x 131	190 x 90 x 150	260 x 110 x 168	260 x 110 x 185	
Weight with liquids (water and oil)	kg	596	705	730	931	952	1270	1433
Weight with full tank (± 5%)	kg	693	—	—	1029	1050	1491	1684

Other power available on request



# Generators

## SILENTSTAR - OPENSTAR FIXED

Three Phase, Diesel, 1500 RPM

Generators Range

### STATIONARY APPLICATIONS

- ✓ Industry
- ✓ Data Centers
- ✓ Hospital Centers
- ✓ Residential
- ✓ Public and private establishments



FREQUENCY  
50 Hz



DIESEL

OPENSTAR



400 V

FIXED

OPEN



		OPENSTAR			SILENTSTAR						
		10 T YN	15 T YN	20 T YN	33 T YN	44 T YN	60 T AI	80 T AI	100 T AI	130 T VO	150 T VO
PRP Power	kVA	10	15	20	33	40	60	80	100	130	150
PRP Power $\cos\phi = 0.8$	kW	8	12	16	26.4	32	48	64	80	104	120
LTP Power	kVA	11	17	22	37	44	66	90	110	144	165
LTP Power $\cos\phi = 0.8$	kW	8.8	13.6	17.6	29.6	35.2	52.8	72	88	115.2	132
Amp $\cos\phi = 0.8$	A	14.45	21.68	28.9	47.69	57.8	86.71	115.61	144.51	187.86	216.76
Noise Level	LwA	—	—	—	88	88	90	92	92	91	93
Acoustic pressure @ 7 m	dB(A)	—	—	—	63	63	65	67	67	66	68
Acoustic pressure @ 1 m	dB(A)	—	—	—	72	72	74	76	76	75	77
Fuel tank capacity	L	110	110	110	110	110	250	250	250	400	400
Run Time (¾ of the continuous output)	h	62	43	28	22	16	26	17	15	20	15
<b>ENGINE</b>											
Engine Brand		YANMAR	YANMAR	YANMAR	YANMAR	YANMAR	FPT	FPT	FPT	VOLVO	VOLVO
Engine model		3TNV80F	3TNV88F	3TNV88F	4TNV88	4TNV98T	N45SM1A	N45SM3	N45TM2A	TAD532GE	TAD731GE
Rated Engine Power	kW	12.2	13.8	13.8	18	41.4	53.3	73.3	87	112	133
Displacement	L	1.267	1.641	1.641	2.188	3.317	4.483	4.483	4.483	4.761	7.142
Emissions		Stage 5	Stage 5	Stage 5	Stage 3A	Stage 3A	Stage 2	Stage 0	Stage 2	Stage 3A	Stage 2
<b>ALTERNATOR</b>											
Alternator Brand		STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD
Alternator model		SOL1-H1	SOL1-P1	SOL1-P1	SOL2-G1	S1L2-N1	S1L2-Y1	UCI224G	UCI274C	UCI274E	UCI274F
Dimensions (L x W x h)	cm	148 x 88 x 122			190 x 90 x 150			260 x 110 x 168			340 x 120 x 195
Weight with liquids (water and oil)	kg	386	435	472	890	926	1270	1433	1561	2249	2394
Weight with full tank ( $\pm 5\%$ )	kg	483	532	569	987	1023	1388	1594	1745	2603	2748

Other power available on request

# Generators STANDARD EQUIPMENTS

Generators Range

## QMC VERSION

With this variant, the GS is controlled manually by the operator and it enables the view of the parameters.



SOCKETS	10 - 15 kVA	20 kVA	30 to 100 kVA
EC Single phase socket 230 V / 16 A	2	2	2
EC Three phase socket 400 V / 16 A	1	—	—
EC Three phase socket 400 V / 32 A	—	1	1
EC Three phase socket 400 V / 63 A	—	—	1

### Commands

- ✓ Manual start up and stop
- ✓ Remote Start and Stop ( ATS )
- ✓ Digital: Voltmeter / Frequency / Ammeter / Kilovoltammeter
- ✓ High temperature (pre-alarm)
- ✓ Low fuel level and Low oil pressure alarm
- ✓ Battery charger voltage
- ✓ Analog hour meter

## QPE VERSION

With its powerful microprocessor, the high-end MC4 control panel offers numerous functionalities, allowing for straightforward and efficient analysis and control of your generator in Manual and Automatic modes, ensuring optimal protection.

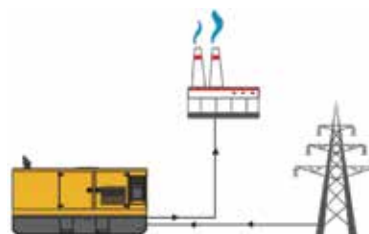


### Commands

- ✓ Manual start up and stop
- ✓ Remote Start and Stop ( ATS )
- ✓ Digital: Voltmeter / Frequency / Ammeter / Kilovoltammeter
- ✓ Mains voltage RST
- ✓ Engine RPM
- ✓ High temperature (pre-alarm)
- ✓ Low fuel level and Low oil pressure alarm
- ✓ Battery charger voltage
- ✓ Analog hour meter
- ✓ GS failure to start
- ✓ Genset Overvoltage/ Undervoltage
- ✓ Horloge / Programmable Starting

## QPE + ATS VERSION

QPE + ATS Version: Equipped with an integrated source inverter to allow automatic startup in case of a power outage. Our control panels have an IP 55 protection rating.



## QPE-C MAN VERSION

The QME-C-MAN control panel offers a reliable and simple control and monitoring solution for the generator. The QME-C-MAN control panel uses the MC4 control module, which allows manual start and stop of the generator and monitors various parameters during its operation. The MC4 module enables you to connect certain optional devices for full remote management of the generator.



A wide range of options to meet your needs and special application.

## ENGINE

### ENGINE PREHEATING 230 V



#### O.G-MOT-SC

Your engine will be kept at the right temperature for easier starting in winter (Standard with QPE + ATS version).

## BATTERY

### BATTERY SWITCH-OFF

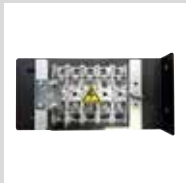


#### O.G-BAT-STB

By turning the switch, the battery is isolated, thus avoiding discharge during the inactivity of the generator.

## ELECTRIC

### TERMINAL BLOCK



#### TERMINAL KIT

All the power of the generator is accessible via a sturdy busbar for safe connection of your electrical cables.

### 5 SOCKETS PANEL



#### O.G-USP-MPRB

Combined QPE module control with electrical outlets protected by differential circuit breakers.

### ADJUSTABLE DIFFERENTIAL CIRCUIT BREAKER

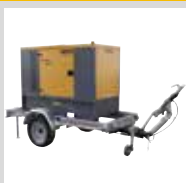


#### O.Q-QMC-K-DIF

Adjustable differential protection for QPE version.

## MOBILITY

### TRAILER FOR CONTRUNCTION SITE



#### TRAILER FOR CONSTRUCTION SITE

Certified to facilitate the safe transportation of your generator (factory assembly). Maximum power 60 kVA.

## REMOTE CONTROL

### AUTOMATIC TRANSFER SWITCH (ATS)



#### AT206 / AT207

ATS automatic transfer switch. Designed for the QMC version. Max power 40 kVA.



#### AT-QLTS60A

ATS automatic transfer switch. Designed for the QPE-C-MAN version. Power ratings 33 kVA and 40 kVA.



#### QC1

Automatic Transfer Switch. Suitable for all QPE versions. There are several models available based on the maximum intensity

### REMOTE CONTROLLER



#### O.G-MOT-SC

(QMC Version)  
Ideal for construction sites.  
2 kilometers range.

## LONG RUN TIME

### 3-WAY VALVES



#### O.G-ACO-AT-C3V

You can increase your generator's Run Time by simply connecting it to an additional tank.

### AUTOMATIC REFUELING ON BOARD



#### O.G-ACO-ST-BG

This automatic decanting system supplies fuel from an external tank.

### EXTERNAL TANK



#### O.CI-ST

Equipped with an automatic fuel filling system with 4 intervention sensors (reserve, pump start and stop, overfill). From 120 to 1500 liters.

### LARGE CAPACITY INTEGRATED TANK



#### O.G-AGO-BT

From 600 to 1900 Lt Oversized Fuel Tank on board.



# PTO - TRACTOR GENERATORS

## Range

PTO (Power Take-off) Tractor Generators are driven via your tractor's PTO drive. These generators offer a reliable, simple and practical source of power when a tractor is available.



**The PTO driveline shaft is not included**

Refer to specialized reseller.

Male Socket-3 EC (3P+N+T) 400V/16A



### AGRO Soud 220



**RUTILE**  
ELECTRODE



**BASIC**  
ELECTRODE



### Standard Equipment

- ✓ Reinforced steel frame
- ✓ 2 poles Alternator IP23

### Welding Functions

- ✓ Weld output range: 40 - 220 A
- ✓ Weld output rated at 35 %: 220 A
- ✓ Striking Current: 73 V
- ✓ Weld Current at 60%: 170 A
- ✓ Weld Voltage: 21.5 - 28.8 V
- ✓ Rutile and Basic Electrode: 4 mm

### AGRO Soud 220

Alternator Type		2 poles IP23 - 3000 RPM
Maximum output (400 V / 3 phases)	kVA	6.5
Maximum output (230 V / 1 phase)	kVA	3.5
Amp. three phase	A	9.4
Frequency	Hz	50
Power Take-Off Shaft	kW	16
Power Take-Off Shaft	HP	22
Rated RPM PTO Speed	RPM	435
Tractor Power (Recommended)	HP	35
Single phase socket 10/16 A Schuko		1
EC Three phase socket 400 V / 16 A		1
Dimensions L x W x H	mm	940 x 800 x 930
Net Weight	kg	103
Reference		200002003

### Optional equipments

Male Socket-3 EC (3P+N+T) 400V/16A

optional

# PTO - Tractor Generators

## AGRO - AGROSTAR

4 poles, 1500 RPM

PTO - Tractor Generators Range

**3 YEARS**  
WARRANTY



The PTO driveline shaft is not included

Refer to specialized reseller.



### AGROSTAR / AGRO

This PTO (power take-off) generator works with tractors engine to generate clean, efficient power. Generate electricity to power farm or ranch tools when far from a power source or use it as a backup power source for your home during a power outage.

#### AGRO Standard Equipment

- ✓ Reinforced steel frame
- ✓ 4 poles Alternator IP23

		AGRO			AGROSTAR		AGRO			
		16 4P	20 4P	25 4P	30 AVR	42 AVR	50 4P AVR	63 4P AVR	75 4P AVR	90 4P AVR
Alternator Type		4 poles IP23 - 1500 RPM								
Voltage regulator		Compound	Compound	Compound	AVR	AVR	AVR	AVR	AVR	AVR
Maximum output (400 V)	kVA	16.5	22	27	30	42	50	65	80	90
Maximum output (230 V)	kVA	6.6	8.8	10.8	12	16.8	20	26	32	36
Amp. three phase	A	23	32.5	43	43	60	76	91	108	130
Frequency	Hz	50								
Power Take-Off Shaft	kW	16	20.9	25.3	29	40.8	45.5	59.6	72.7	83.8
Power Take-Off Shaft	ch	22	28	34	39	55.5	62	81	99	114
Rated RPM PTO Speed	tr/min	430								
Tractor Power (Recommended)	ch	51	66	80	92	124	144	202	247	285
Earth Leakage Circuit Breaker	mA	30	30	30	30	30	—	—	—	—
Adjustable Earth Leakage Circuit Breaker	mA	—	—	—	—	—	30 – 300	30 – 300	30 – 300	30 – 300
Single phase socket 10/16 A Schuko		—	—	—	1	1	1	1	1	1
EC Single phase socket 230 V / 16 A		1	1	1	—	—	—	—	—	—
EC Single phase socket 230 V / 32 A		—	—	—	1	1	1	1	1	1
EC Three phase socket 400 V / 32 A		1	1	—	—	—	—	—	—	—
EC Three phase socket 400 V / 63 A		—	—	1	1	1	—	—	—	—
EC Three phase socket 400 V / 125 A		—	—	—	—	—	1	1	1	1
Dimensions L x W x H	mm	940x800x930	1140x800x930		1110x734x980		1180x800x930			
Net Weight	kg	146	157	200	241	290	298	335	362	382
Reference		200002004	200002005	200002006	2V0102030	2V0102031	2V0002032	200002010	200002011	200002012

Male Socket-1 EC (2P+T) 230 V / 16 A	optional	optional	optional	—	—	—	—	—	—
Male Socket-2 EC (2P+T) 230 V / 32 A	—	—	—	optional	optional	optional	optional	optional	optional
Male Socket-4 EC (3P+N+T) 400 V / 32 A	optional	optional	—	—	—	—	—	—	—
Male Socket-5 EC (3P+N+T) 400 V / 63 A	—	—	optional	optional	optional	—	—	—	—
Male Socket-6 EC (3P+N+T) 400 V / 125 A	—	—	—	—	—	optional	optional	optional	optional

#### MANUAL TRANSFER SWITCH

The manual transfer switch enables the electrical system of the building to accept the power of a portable generator. It allows you to power electrical appliances, devices and lighting during a power outage.



	Max. Power
<b>IS 40 A</b>	27 kVA
<b>IS 63 A</b>	44 kVA
<b>IS 125 A</b>	87 kVA

Size the Manual Transfer Switch according to the largest power (electrical system / generator).

#### MALE SOCKETS

Male Socket-1	Male Socket-2	Male Socket-3	Male Socket-4	Male Socket-5	Male Socket-6
(2P+T) 230 V - 16 A	(2P+T) 230 V - 32 A	(3P+N+T) 400 V - 16 A	(3P+N+T) 400 V - 32 A	(3P+N+T) 400 V - 63 A	(3P+N+T) 400 V - 125 A



# **WELDER / GENERATOR Range**

Lightweight and compact, the Welder/Generator range provides you the power you need wherever and whenever you need it.



# Welders MIXTE

Single phase, AC welding current

Welders Range

**3 YEARS  
WARRANTY**

Applicable to material and/or gasoline engine (excluding Diesel engine)<sup>1</sup>

**230 V**

OUTPUT POWER  
**4.3 kW**  
**P<sub>max</sub>**

PETROL  
**RON 95**

VERY LONG  
**AUTONOMY**

OUTPUT POWER  
**5.15 kW**  
**P<sub>max</sub>**

ELECTRIC  
**START**



MIXTE 4500 EX

**AC WELDING  
CURRENT**

**RUTILE  
ELECTRODE**



MIXTE 5000 DXL15 YN DE

**DIESEL**

Powered By  
**YANMAR**

Powered By



**Versatile**

## MIXTE - GASOLINE & DIESEL

As a AC welder, MIXTE range deliver up to 200 amps of welding current, making it an ideal choice for maintenance and repair projects. These units are an excellent source of generator power, providing up to 5150 starting watts of AC power for emergency backup, as well as hand tools, grinders, lights and battery chargers.

**2000/14/EC**

### MIXTE Standard Equipment

- ✓ 4-stroke Gasoline or Diesel engine
- ✓ Recoil start (Gasoline engine)
- ✓ Electric start + Battery (Diesel engine)
- ✓ Electronic oil sensor security (Gasoline engine)
- ✓ Low oil pressure security (Diesel engine)
- ✓ Sockets protected by thermal circuit breaker
- ✓ Heavy duty steel frame
- ✓ Intensity rheostat
- ✓ Electric source selector
- ✓ Welding terminals
- ✓ 15 liters large tank (Diesel engine)
- ✓ Fuel gauge (Diesel engine)



Welding kit N° 1 (Ø 25 mm<sup>2</sup>)

**2000/14/EC**

Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

<div> <b>Made in France</b> </div>		MIXTE 4500 EX	MIXTE 7000 EX	MIXTE 5000 DXL15 YN DE
Type		1 phase	1 phase	1 phase
Voltage regulator		Capacitor	Capacitor	Capacitor
Maximum output	kW	4.3	7	5.15
Continuous operation power (COP)	kW	3.4	5	4.5
Maximum Amps	A	18.7	21.7	22.3
AC voltage	V	230	230	230
Frequency	Hz	50	50	50
Noise power level ECC (LwA)	dB(A)	97	97	103
Noise power level @ 7 m	dB(A)	72	72	78
Maximum electrode diameter	mm	Ø 3.2	Ø 5	Ø 4
Welding Amp Range	A	50 —> 150	60 —> 200	60 —> 180
Striking Alternative Current	V	50 - 62.5	45 - 60	50 - 62.5
Minimum welding voltage	V	22.4	22.4	22.4
Maximum Welding Current	A	150	200	180
Engine model		WORMS EX27	WORMS EX40	YANMAR L100V5
Maximum output	HP	9	14	8.4
Fuel type		Petrol RON 95		Diesel <sup>2</sup>
Fuel tank capacity	L	5.6	6.8	15
Run Time (¾ of the continuous output)		3 h	2 h 10	9 h 45
Single phase socket 10/16 A Schuko		2	2	2
Dimensions L x W x H	mm	765 x 570 x 520	855 x 555 x 542	875 x 535 x 635
Packaging dimensions L x W x H	mm	780 x 585 x 550	880 x 575 x 555	895 x 555 x 655
Net Weight (Gross weight)	kg	71 (73)	90.5 (92)	109 (111)
Reference standard version (Std.)		2V0003000	2V0003001	2V0003003
Reference Std. version + DIFF		2V0003000.1	2V0003001.1	2V0003003.1
Reference Std. version + DE		—	2V0003001.2	—
Reference Std. version + DIFF + DE		—	2V0003001.3	—

### Optional equipments

Wheelbarrow kit	N/360	N/360	N/360 AXE
DE: Electric start + Battery	—	factory option	standard
Welding kit	CABLE KIT N° 1		
DIFF: Kit interdif *	factory option	factory option	factory option
Maintenance KIT	Kit N° 3	Kit N° 4	—

\* Kit interdif = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.

### Wheelbarrow kit

For moving your generator with 2 large wheels.



**N/360**  
REF: 290000002

**N/360 AXE**  
REF: 290000006

# Welders ARC

Three phase, DC welding current

Welders Range

**3 YEARS  
WARRANTY**

Applicable to material and/or gasoline engine (excluding Diesel engine)<sup>1</sup>



OUTPUT POWER  
**P<sub>max</sub> 4.3 kW**

PETROL  
**RON 95**



ARC 160 EX AVR

Powered By



**DC WELDING  
CURRENT**

**RUTILE  
ELECTRODE**

**BASIC  
ELECTRODE**



VERY LONG  
RUN TIME

ARC 180 + DXL15 YN DE

OUTPUT POWER  
**P<sub>max</sub> 4.7 kW**

**ELECTRIC  
START**

**DIESEL**

Powered By

**YANMAR**

**400 V**

**Versatile**

## ARC - GASOLINE & DIESEL

As a DC welder, ARC range delivers up to 220 amps of welding current, making it an ideal choice for maintenance and repair projects. These units are an excellent source of generator power, providing up to 6500 starting watts of AC power for emergency backup, as well as hand tools, grinders, lights and battery chargers.

### ARC Standard Equipment

- ✓ 4-stroke Gasoline or Diesel engine
- ✓ Recoil start (Gasoline engine)
- ✓ Electric start + Battery (Diesel engine)
- ✓ Electronic oil sensor security (Gasoline engine)
- ✓ Low oil pressure security (Diesel engine)
- ✓ Sockets protected by thermal circuit breaker
- ✓ Heavy duty steel frame
- ✓ Intensity rheostat
- ✓ Electric source selector
- ✓ Welding terminals
- ✓ 15 liters large tank (Diesel engine)
- ✓ Fuel gauge (Diesel engine)



Welding kit N° 1 (Ø 25 mm²)  
Welding kit N° 2 (Ø 35 mm²)

**2000/14/EC** Equipment intended to be installed with all the proper rules, inside a building or reserved for use in a country not subject to Directive 2000/14/EC (excluding UE and affiliated countries).

### Wheelbarrow kit

For moving your generator with 2 large wheels.



**N/360**  
REF. 290000002

**N/360 AXE**  
REF. 290000006

Made in France	2000/14/EC		
	ARC 160 EX AVR	ARC 220 EX	ARC 180 + DXL15 YN DE
Type	3 phase / 1 phase	3 phase / 1 phase	3 phase / 1 phase
Voltage regulator	AVR	Compound	Compound
Maximum output	kW 4.3 / 2.0	6.0 / 3.7	4.7 / 3.5
Continuous operation power (COP)	kW 2.6 / —	5.0 / —	4.1 / —
Maximum output	kVA 4.8 / —	7.5 / —	5.9 / —
Maximum Amps	A 6.9 / —	10.8 / —	8.5 / —
AC voltage	V 400 / 230	400 / 230	400 / 230
Frequency	Hz 50	50	50
Noise power level ECC (LwA)	dB(A) 95	97	103
Noise power level @ 7 m	dB(A) 70	72	78
Maximum electrode diameter	mm Ø 3.2	Ø 5 (Maxi)	Ø 4
Welding Amp Range	A 35 —> 160	40 —> 220	40 —> 220
Striking Alternative Current	V 75	72	73
Minimum welding voltage	V 21	21	21.6
Maximum Welding Current	A 160	220	180
Engine model	WORMS EX27	WORMS EX40	YANMAR L100V5
Maximum output	HP 9	14	8.4
Fuel type	Petrol RON 95		Diesel <sup>2</sup>
Fuel tank capacity	L 5.6	6.8	15
Run Time (% of the continuous output)	3 h 25	3 h	9 h 45
Single phase socket 10/16 A Schuko	1	1	1
EC Three phase socket 400 V / 16 A	1	1	1
Dimensions L x W x H	mm 765 x 570 x 520	855 x 555 x 542	875 x 535 x 635
Packaging dimensions L x W x H	mm 780 x 585 x 550	880 x 575 x 555	895 x 555 x 655
Net Weight (Gross weight)	kg 73.5 (75)	94.5 (97.5)	115 (117)
Reference standard version (Std.)	2V0003010	2V0003011	2V0003013
Reference Std. version + DIFF	2V0003010.1	2V0003011.1	2V0003013.1
Reference Std. version + DE	—	2V0003011.2	—
Reference Std. version + DIFF + DE	—	2V0003011.3	—

### Optional equipments

Wheelbarrow kit	N/360	N/360	N/360 AXE
DE: Electric start + Battery	—	factory option	standard
Welding kit	CABLE KIT N° 1	CABLE KIT N° 2	CABLE KIT N° 2
DIFF: Kit interfid *	factory option	factory option	factory option
Maintenance KIT	Kit N° 3	Kit N° 4	—

\* Kit interfid = Box including Earth leakage circuit breaker 30 mA + Steel Ground Rod

<sup>1</sup> Diesel engines are warranted separately by the engine manufacturer conditions.

<sup>2</sup> Do not use domestic or heating oil.



Petrol floor saw SW450 with EX WORMS 9.5 HP gasoline engine, 450 mm disc diameter, cutting depth up to a maximum of 162 mm.



# Petrol Floor Saw

## SW450

Gasoline OHC

Cutting Range  
**3 YEARS**  
WARRANTY



Powered By



SW450

### SW - GASOLINE

Our SW450 is a robust, practical, and versatile floor saw. The adjustable handlebar ensures an ergonomic working posture. The perfect weight distribution provides excellent stability during cutting. Ideal for road repair work (concrete or asphalt), with a cutting depth of up to 162 mm.

Sold with a 450 mm segmented disc.

#### Standard Equipements

- ✓ 4-stroke OHC gasoline engine
- ✓ Recoil start
- ✓ Electronic low-oil safety system
- ✓ Emergency stop button
- ✓ Cyclonic air filter
- ✓ Parking brake
- ✓ Lifting ring
- ✓ Pointer
- ✓ Cutting depth indicator
- ✓ Cutting depth wheel
- ✓ Maintenance tools



#### SW450

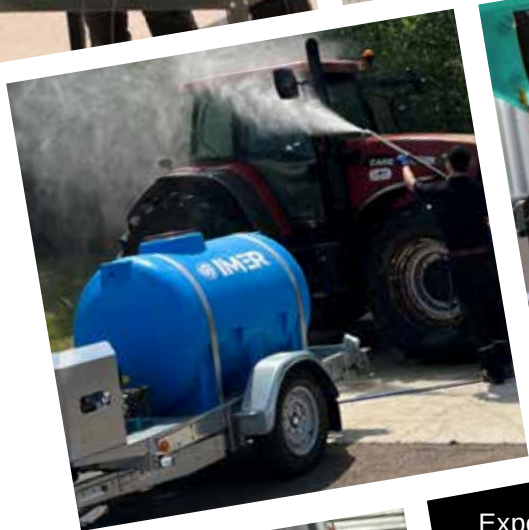
SW450			
DISC			
Maximum disc diameter	mm		450
Maximum cutting depth	mm		162
Maximum spindle rotation speed	RPM		3600
Shaft diameter	mm		25.4
Cutting depth adjustment			Volant à main
ENGINE			
Engine model			WORMS EX40
Maximum power at 3600 rpm	HP		9.5
Fuel type			Petrol RON 95
Tank capacity	L		6.8
Engine cooling			Air
Feed system			Manual
DIMENSIONS AND WEIGHT			
Length	mm		1190
Width	mm		600
Height	mm		1010
Weight	kg		114
Reference			0416450

#### Optional equipments

Maintenance KIT	Kit N° 4
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# WORMS

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