



FUJI

LIGHT CONSTRUCTION EQUIPMENT



January 2017

FUJI® LIGHT CONSTRUCTION EQUIPMENT

CONTENTS	PAGE
Fuji Concrete Vibrator	1
Concrete Vibrator / Singa / Frukawa / Tokyo Fureki / Vibtec	2
Vibrator Motor / Engine / Quality Submersible Pumps	3
Fuji Bar Bender / Bar Cutter / Ring Bender / Spiral Ring Bender	4
Fuji Steel Bar Cutter / Cut-Off Machine	5
Fuji Tamping Rammer / Power Trowel	6
Fuji Concrete Cutter / Plate Compactor	7
Fuji Generator	8 – 9
Fuji Welder & Generator	10
Fuji Welder & Generator / Alternator Pulley Type	11
Mikasa Vibration Roller / Reversible Compactor	12
Mikasa Tamping Rammer / Power Trowel	13
Mikasa GH Concrete Vibrator / Portable Concrete Vibrator /	
Frequency & Voltage Converter /High Cycle Concrete Frequency Vibrator	14
Senci Gasoline Generator	15
Senci Generator Compressor Welder / Welder Generator	16
Senci Inverter Generator / Water Pump / Gasoline Engine	17
Senci H/P Washer / Power Tiller	18
Launtop Lighting Tower	19
LEEGA Silent Generator	20
Launtop Diesel & Gasoline Engine	21
Launtop Diesel Water Pump / Iron Pump	22
Launtop Diesel Trash Pump / Mud Pump / Gasoline Water Pump	23
Launtop Diesel Generator	24 – 25
Launtop Gasoline Generator	26
Launtop Welder Generator / Diesel H/P Washer	27
Launtop IGBT MMA Inverters	28
Roadway Roller	29
Lonvi Gasoline Engine / Generator	30
Takata Sunny Hoses / Pony High Pressure Water Discharge Hose /	
PVC Delivery Hoses	31
Semco Hight Pressure Sprayer Hoses / Pony & Kawasaki Sprayer Hoses	32
Ousen Power Sprayer	33
Ousen Water Pump / Pump Kit	34
Diamond Blades / Other	35
Kato High Pressure Water Pump	36



SPECIFICATIONS

Model	FV 28	FV 32	FV 38	FV 45	FV 60
Vibration (v.p.m .)	9,500 - 12,500				
Revolution (r.p.m.)	3,000				
Flexible Shaft (Diameter x Length)	10mm x 6m		12mm x 6m		



FUJI FV 45 Flexible Vibrator Cross-section View



FEATURES

The all-new FUJI Concrete Vibrator is upgraded with improved features. The Rotary Shafts, Housing and Head Caps are of high quality material. These parts have been specially hardened for extra durability. The flexible hose is reinforced with double braided steel mesh to last longer.

By adopting the special pendulum type of vibration it overcomes the defects of conventional vibrators.

- ✓ Rotational speed is about 3,000 r.p.m. which is about one-third that of conventional vibrator. Hence wear and tear of the flexible shaft and other rotating parts are extremely little, reducing trouble to a minimum.
- ✓ Flexible shaft is not affected by vibration because it is connected to the vibrator shaft through a unique spring.
- ✓ Flexible shaft can be connected to the prime mover in one motion without using any tools.

FUJI (Standard)



FUJI
(Standard)
1 3/8"

FUJI
(Standard)
1 1/2"

FUJI
(Standard)
2"

Model	LV-1 3/8" (35MM)	LV-1 1/2" (45MM)	LV-2" (50MM)
Flexible Shaft (Dia.xLength)	12mm x 5000mm	12mm x 5000mm	12mm x 5000mm
Vibrating Head (Dia.xLength)	1 3/8" x 60.8mm	1 1/2" x 65.6mm	2" x 75.2mm
Vibration Frequency	12,000 - 13,000 vpm	11,500 - 12,500 vpm	11,000 - 12,000 vpm
Vibration Amplitude	1.60mm	2.00mm	2.40mm
Centrifugal Force	3,000 n	4,500 n	7,000 n



SPECIFICATIONS

Model	SG28	SG32	SG38	SG45	SG60	SG75
Vibration (v.p.m .)	9,500 - 12,500					
Revolution (r.p.m.)	3,000					
Flexible Shaft (Diameter x Length)	10mm x 6m		12mm x 6m			

FEATURES

Singa Concrete vibrator overcomes the defects of conventional high revolution type vibrator by adopting special vibrating method (pendulum type) giving excellent performance.

- ✓ Rotational speed is about 3,000 r.p.m. which is about one-third of conventional vibrator. Hence wear and tear of the flexible shaft and other rotating parts are extremely little, reducing trouble to minimum.
- ✓ Flexible shaft is not affected by vibration because it is connected to the vibrator shaft through a unique spring.
- ✓ Flexible shaft can be connected to the prime mover in one motion without using any tools.

FRUKAWA



TOKYO FUREKI



VIBTEC

AIR VIBRATOR



VIBTEC AIR VIBRATOR

The VIBTEC V600 range of pneumatic concrete pokers is of high performance immersion vibratos of simple precision construction. Engineered with minimum moving parts and no bearings, these vibrators supplements our existing range and include the following features:

- ✓ High efficiency
- ✓ Range of 5 sizes
- ✓ Standard in-line lubricator
- ✓ Maintenance free rotor
- ✓ Simple value operation
- ✓ High competitive cost



Model	V635	V645	V655	V665	V675
Head Dia (mm)	35	45	55	65	75
Frequency (VPM)	18000	17000	17000	18000	18000
Centrifugal Force (N)	1924	3500	6050	9301	14851
Free Air (l/min)	608	736	820	1018	1218
Total Weight (kgs)	6	8	9	10	15
Rad. of Effectiveness (cm)	20	25	38	44	50

FUJI VIBRATOR MOTOR

FVM-50



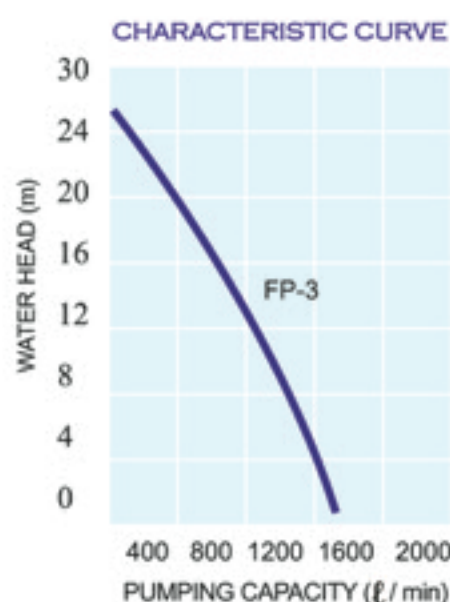
Brand	Power	Voltage (V)	Frequency (Hz)	G.W (KG)	Material Body	Size (mm) (L)x(W)x(H)
FVM - 50	1.5KW/ 2HP	220/380	50/60	18	Iron Smooth	55*24*36
FVM - 70 (3-phase)	2.2KW/ 3HP	220/380	50/60	20	Iron Smooth	55*24*36

ROBIN GASOLINE ENGINE

Model	EY 20
Max. Output [hp/rpm]	5.0hp / 4000
Fuel Tank Capacity (L)	3.8
Starting System	Recoil Starter



QUALITY SUBMERSIBLE PUMPS



SPECIFICATIONS

Model	FP3
Discharge Diameter	80mm (3")
Max Water Head & Capacity	25m 1,250 lit/min
Flexible Shaft (Diameter x Length)	13mm x 6m
Weight	28 kg

FEATURES

- ✓ Pump body is made of aluminium alloy. Extremely light in weight and easy for transportation.
- ✓ No priming required. Good for drainage of muddy water .



TYPE OF SUBMERSIBLE PUMPS



LP3
Submersible
Pump



LP2
Submersible
Pump



LTP3
Submersible
Trash Pump

BAR BENDER

FBB42 c/w AM140


FEATURES

- ✓ Compact in structure, simple operation by only feeding bars and pedaling a treadle
- ✓ Bending angle is always constant & accurate by use of fulcrum roller
- ✓ Bending of steel bar can be preset and change from 0° to 180°
- ✓ Bending head of the machine can be reset gradually & automatically after steel bar is bent
- ✓ Option to use original Japan high performance Kubota engine

BAR BENDER SPECIFICATIONS

Model	FBB32			FBB42			FBB50		FBB65	
Max Bar Diameter (mm)	32			42			50		65	
Tensile Strength of Steel bar (N/mm ²)	< 450			< 450			< 450		< 450	
Bending Rate (rpm)	10.2 ~ 19.7			10.2 ~ 19.7			8.5 ~ 12.3		5.9	
Diesel Engine (Vikyno/Kubota/Fuji)	RV70	RK70N	RK80	RV125	RT125DI	AM140	RV125	AM140	RV165	AM140
Rate Output (hp)	7.0		8.0	12.5	12.5	14	12.5	14	16.5	14
Engine Speed (rpm)	2400			2400			2400		2400	
Fuel Tank Capacity (L)	7.5		10.0	9.5	11	11	9.5	11	11	11
Dimension (H x W x L) (mm)	1250 x 1035 x 860			1450 x 1050 x 1000			1450 x 1050 x 1000		1450 x 1270 x 1020	
Weight (kg)	765 + 68	765 + 67	765 + 83	950 + 105	950 + 105	950 + 114	950 + 105	950 + 114	1208 + 132	1208 + 114

Optional:

Power (Electric Motor)	7.5 hp / 415 V / 1500 rpm			10.0 hp / 415 V / 1500 rpm			10.0 hp / 415V / 1500rpm		15.0 hp / 415V / 1500rpm	
Weight (kg)	765 + 66			950 + 79			950 + 79		1208 + 122	

BAR CUTTER

FBC42 c/w AM140


BAR CUTTER SPECIFICATIONS

Model	FBC32			FBC42		
Max Bar Diameter (mm)	35			42		
Tensile Strength of Steel Bar (N/mm ²)	< 450			< 450		
Cutting Frequency (times/min)	40			40		
Diesel Engine (Vikyno/Kubota/Fuji)	RV70	RK70N	RK80	RV125	RT125DI	AM140
Rate Output (hp)	7.0		8.0	12.5	12.5	14.0
Engine Speed (rpm)	2400			2400	2400	2400
Fuel Tank Capacity (L)	7.5		10.0	9.5	11	11
Dimension (L x W x H) (mm)	1330 x 640 x 790			1450 x 640 x 790		
Weight (kg)	680 + 68	680 + 67	680 + 83	1200 + 105	1200 + 105	1200 + 114

SPIRAL RING BENDER

FRB19


SPIRAL RING BENDER SPECIFICATIONS

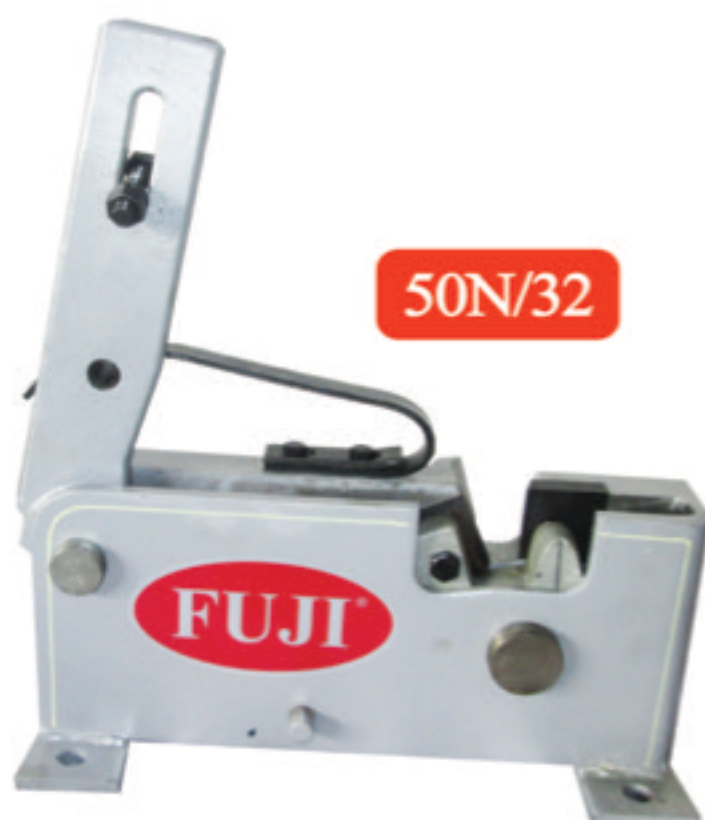
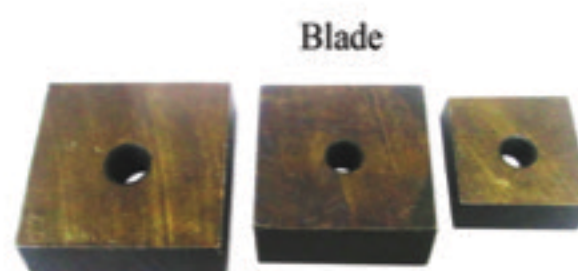
Model	FSRB16				
Max Bar Diameter (mm)	Ø16				
Main Roller Dimension (mm)	125				
Diesel Engine	RV70	RK70	RK80	LA178FA (AIR COOLER)	L70
Rated Output (hp)	7.0		8.0	6.0	6.0
Engine Speed (rpm)	2400			3600	
Fuel Tank Capacity (L)	7.5		10.0	3.5	3.5
Dimension (H x W x L) (mm)	850 x 850 x 860				
Weight (kg)	188 + 68	188 + 67	188 + 83	188 + 33	188 + 57

RING BENDER SPECIFICATIONS

Model	FRB19		
Engine Model	RK70N	RV70	RK80
Working Capacity (Max. Bar Dia.) (mm)	20		
Dimension (L x W x H) (mm)	850 x 850 x 1050		
Weight (kg)	290 + 67	290 + 68	290 + 83

RING BENDER

FSRB16



50N/32


FEATURES

Reinforcing Steel Bar Cutter has the following advantageous features:

- ✓ This bar cutters are well dimensioned gear lever transmission which transmits the force directly to the shear part.
- ✓ The slide holding the shear blade is precisely guided between body plate of bar cutter to prevent it being forced out of line.
- ✓ This system not only keeps the frictional losses to a minimum but also gives the machines a high degree of efficiency so that optimum use is made of the operator's effort.
- ✓ The hand-levers on all models, when in basic position, are securely held by a retaining spring to prevent accidental falling.
- ✓ Bar Cutter is very economical and labour saving job-site equipment, indispensable modern building technology.

Model		50N/22	50N/28	50N/32
Tensile Strength	(kp/mm ²) (PSI)	45 65,000	145 65,000	145 65,000
Round	(mm) (inch)	22 7/8	28 1 1/4	32 1 1/4
Square	(mm) (inch)	20 25/32	24 15/16	26 1
Flat	(mm) (inch)	35 x 10 1 3/8 x 3/8	40 x 16 1 9/16 x 5/8	45 x 16 1 3/4 x 5/8
Size Of Blade	(mm) (mm)	Length 35 Thickness 10	Length 45 Thickness 15	Length 50 Thickness 15
Weight	(kg)	13	29	39
Packing Size (mm)	(Body) (Handle)	355 x 200 x 400 1550 x 240 x 100	460 x 260 x 480 2030 x 240 x 100	500 x 260 x 480 2030 x 240 x 100

CUT-OFF MACHINE


FCM90

SPECIFICATIONS

Model	FCM90	FCM90-3	
Voltage(V)	220/240	380/415	
Revolution (rpm)	2800 rpm		
Periodicty (Hz)	50		
Power (Kw)	2.2		
Cut-off Capability			
	Ø100x6	100x10	Ø40
Angle Range Of Jaws	0 — ± 45°		
Dimension (LxWxH) (mm)	890x450x560		
Weight (kg)	90		



Model	FTR - 75	
Engine Model	Robin EH12-2D	Robin EY20
Engine Power (hp/rpm)	4.0/4000	5.0/4000
Fuel Tank Capacity (L)	3.6	3.8
Starting System	Recoil Starter	
Impact Force (kn)	14	
Percussion Rate (1/min)	640-680	
Jumping Stroke (mm)	40-80	
Forward Speed (m)	10-13	
Bottom Plate Size (mm)	340 x 285	
Operation Weight (kg)	80	
Package Weight (kg)	93	
Package Size (mm)	770 x 510 x 1095	

FEATURES

- ✓ Specifically designed for Robin EH12-2D 4-stroke petrol engine. No more 2-T oil.
- ✓ Build to withstand rammer vibration for improved reliability and durability. A heavy duty throttle control provides more reliable and longer service.
- ✓ Rammer shoe made of steel plate with wooden insert offers economical usage.
- ✓ High quality bellow (Germany) enhances more compacting force. Offers a reliable lubricating system.
- ✓ NSK bearing.
- ✓ EH-12 have special double filter.
- ✓ German bellow.



SPECIFICATIONS

Model	FPT436	
Rotor Diameter (mm)	920	
Finish Blade (mm)	350 x 150	
Trowel Speed (rpm)	(60-130)	
Weight (kg)	75	

ROBIN GASOLINE ENGINE

Model	EY 20	
Max. Output [kw(hp)/rpm]	3.7 (5.0) / 4000	
Continuous Output [kw(hp)/rpm]	2.2 (3.0) / 3000 2.6 (3.5) / 3600	
Fuel Tank Capacity (lit)	3.8	
Starting System	Recoil Starter	
Dimension (L x W x H) mm	1650 x 1000 x 930	

FEATURES

- ✓ Quality components tested for heavy trowelling.
- ✓ Precision machined, sealed oil-bath lubrication system.
- ✓ Chrome tubular rings heavy gauge steel.
- ✓ Centrifugal safety switch.
- ✓ Stainless steel blade.
- ✓ Option to use Diesel Engine LA170.



Local Power Trowel Blades



FUJI Power Trowel Blades
(Model: FPT - 436)

Model		FCC150	FCC200
Cutting Blade Size	(mm)	350 - 450	450 - 600
Max. Cutting Depth	(mm)	150	200
Water Tank Capacity	(litres)	35	40
Depth Adjustment		Handle Rotation	
Drive Mechanism		Manual Push	
Dimension	(L x W x H) mm	1000 x 620 x 990	1030 x 620 x 1100
Net Weight	(kg)	129	136

FCC150 c/w EX40

TYPE OF ENGINE

Gasoline Engine	SC460 (16.0hp) / EX40(14.0hp) / LT420 (16.0hp)/GX390(13.0hp)
Diesel Engine	LA186(10.0hp)/L100(10.0hp)

FEATURES

- ✓ Ability to cut concrete and asphalt easily.
- ✓ Operation efficiency is enhanced by powerful air cooled Diesel Engine / Gasoline Engine.
- ✓ Packaged with high quality diamond cutting blade.
- ✓ Comfortable handle grip. Easy crank for raising or lowering cutting depth.
- ✓ Large water tank provides good water flow to the blade.

SPECIFICATIONS

Model	FC60	FC80	FC90
Centrifugal Force	(kn) 12	15	18
Vibration Frequency	(vpm) 5,488	5,488	5,488
Compaction Depth	(cm) 30	35	35
Travel Speed	(m/min) 0 - 25	0 - 20	0 - 18
Efficiency	(m²/h) 525	445	455
Plate Size	(mm) 520 x 350	520 x 420	560 x 420
Net Weight	(kg) 66	80	90
Noise Level	(dB) 104		103

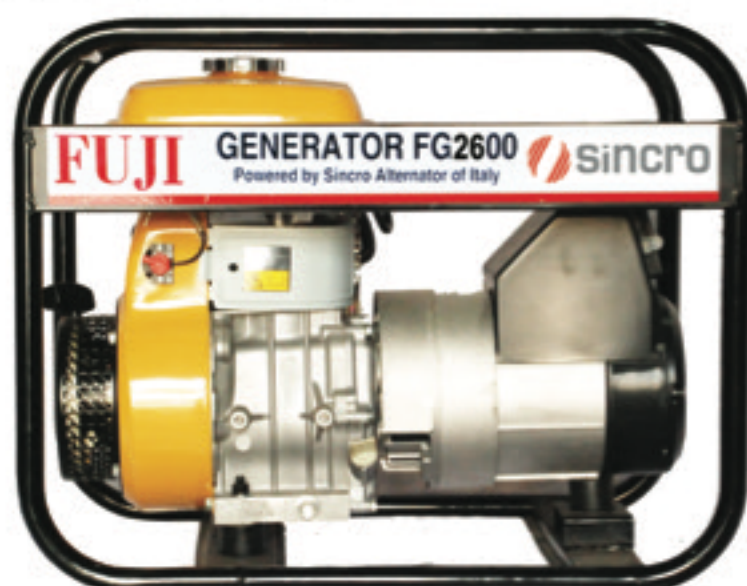
TYPE OF ENGINE

Gasoline Engine	EY20(5.0hp)/GX160(5.5hp)/LT210(7.0hp)/SC230(7.5hp)
Diesel Engine	LA170 (4.2hp)
Dimension (L x W x H) mm	510 x 420 x 1020

FEATURES

- ✓ Heavy duty shock absorber reduces vibration to the upper engine and handle.
- ✓ Engine equipped with "cyclone filter" for efficiency
- ✓ Powerful compaction. High degree of manoeuvrability.
- ✓ Adaptable to various kinds of soils.
- ✓ Easy operation and low maintenance.

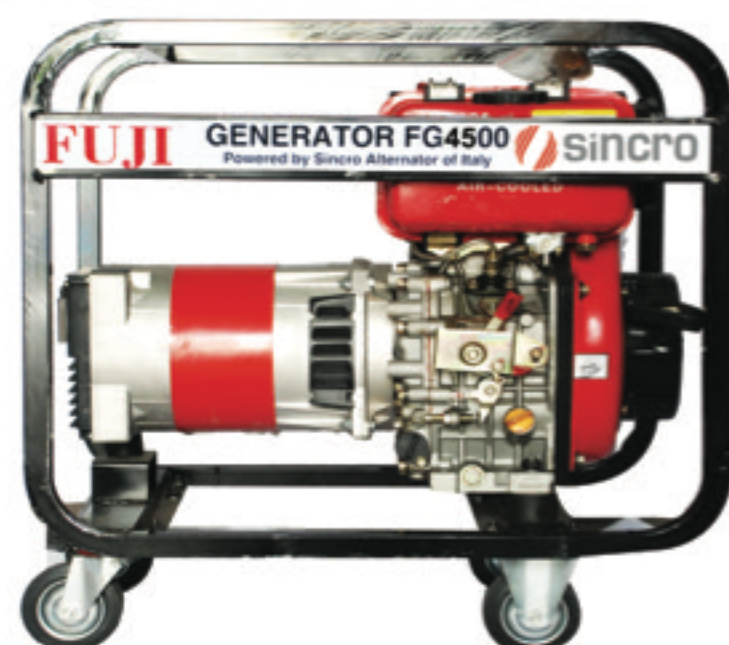


FUJI GENERATOR (Powered by Sincro alternator of Italy)
(1) Model FG2600


Alternator Model: R80 LBL
 AC max output (KVA): 2.2
 AC rated voltage (V): 230
 Frequency: (Hz): 50
 Voltage adjustment: Condenser

Options of engines to be assembled with the above alternator:

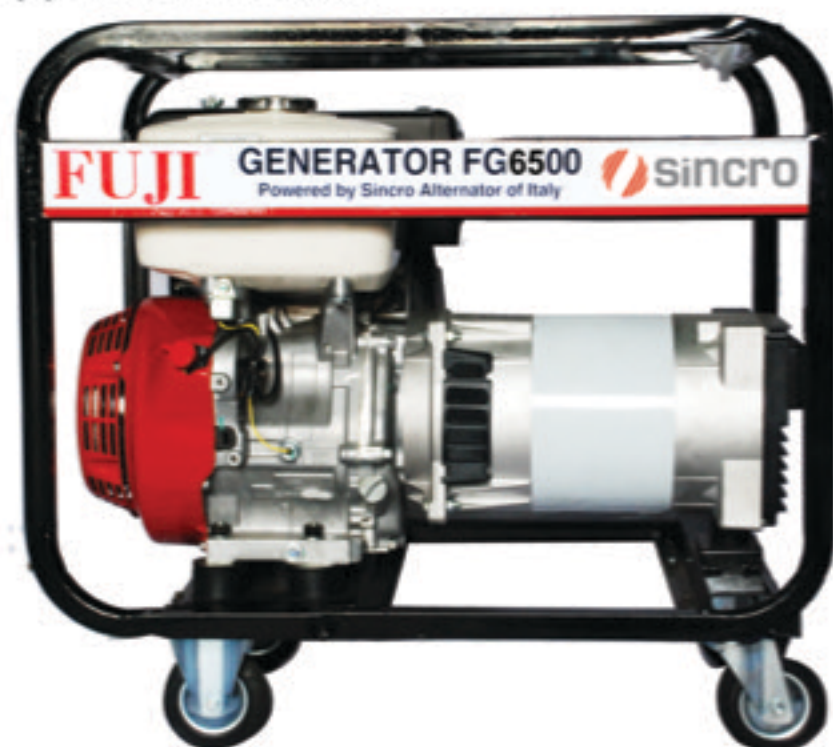
No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (lit)	Total Net Weight (kg)	Diamension (mm) (L)x(W)x(H)	Starting System
1.1	Honda	GX160	Gasoline	5.5	3.1	33	580 x 430 x 415	Recoil
1.2	Robin	EY20	Gasoline	5.0	3.8	34	580 x 425 x 460	Recoil
1.3	Launtop	LA170	Diesel	4.2	2.5	47	570 x 455 x 525	Recoil

(2) Model FG4500


Alternator Model: EP295H
 AC max output (KVA): 3.5
 AC rated voltage (V): 230
 Frequency: (Hz): 50
 Voltage adjustment: Condenser

Options of engines to be assembled with the above alternator:

No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (lit)	Total Net Weight (kg)	Diamension (mm) (L)x(W)x(H)	Starting System
2.1	Honda	GX270	Gasoline	9.0	5.3	50	665 x 480 x 565	Recoil
2.2	Robin	EX27	Gasoline	9.0	6.1	46	665 x 480 x 565	Recoil
2.3	Launtop	LA178	Diesel	6.0	3.5	57	665 x 480 x 565	Recoil
2.4	Yanmar	L70	Diesel	6.0	3.5	57	665 x 480 x 565	Recoil

(3) Model FG6500


Alternator Model: EP2C5T
 AC max output (KVA): 5.5
 AC rated voltage (V): 230
 Frequency: (Hz): 50
 Voltage adjustment: Condenser

Options of engines to be assembled with the above alternator:

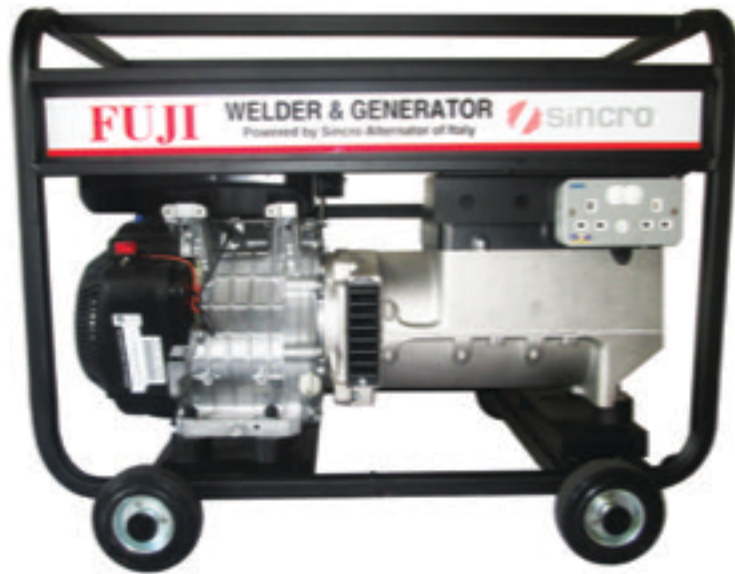
No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (lit)	Total Net Weight (kg)	Dimension (mm) (L)x(W)x(H)	Starting System
3.1	Honda	GX390	Gasoline	13.0	6.1	68	725 x 495 x 560	Recoil
3.2	Robin	EX40	Gasoline	14.0	7.0	68	865 x 530 x 600	Recoil
3.3	Launtop	LA186	Diesel	10.0	5.5	83	725 x 495 x 560	Electric
3.4	Yanmar	L100	Diesel	10.0	5.4	83	725 x 495 x 560	Recoil

(4) Model FG8500


Alternator Model: EK2LAA
 AC max output (KVA): 6.0
 AC rated voltage (V): 230
 Frequency: (Hz): 50
 Voltage adjustment: AVR

Options of engines to be assembled with the above alternator:

No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (lit)	Total Net Weight (kg)	Dimension (mm) (L)x(W)x(H)	Starting System
4.1	Honda	GX390	Gasoline	13.0	6.1	77	865 x 535 x 600	Recoil
4.2	Robin	EX40	Gasoline	14.0	7.0	77	865 x 535 x 600	Recoil

Model: ED200MDC


Alternator Model : ED200MDC
 Speed (rpm) : 3000
 Welding Current (A) : 50 ÷ 200
 Strike Voltage : 75
 Welding Voltage : 22 ÷ 28
 Driving Power KW (hp) : 8.5 (11.5)
 Duty (A) : 200 (35%) ; 170 (60%)
 Power Output (KVA) : 4.0 (Single Phase)
 Voltage (V) : 115 / 230
 Current (A) : 34.8 / 17.4
 Frequency (Hz) : 50
 Welding Electrode Size Max. : 4.0mm

Options of engines to be assembled with the above alternator:

No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (L)	Total Net Weight (kg)	Dimension (L) x (W) x (H) (mm)	Starting System
1	Honda	GX390	Gasoline	13.0	6.1	87	865x535x600	Recoil
2	Robin	EX40	Gasoline	14.0	7.0	87	865x535x600	Recoil
3	Launtop	LA186	Diesel	10.0	5.5	104	865x535x600	Recoil
4	Launtop	LA188	Diesel	10.9	5.5	109	865x535x600	Recoil / Electric
5	Yanmar	L100	Diesel	9.0	4.7	104	865x535x600	Recoil / Electric

Model: EA180AC


Alternator Model : EA180AC
 Speed (rpm) : 3000
 Welding Current (A) : 60 ÷ 135 / 90 ÷ 180
 Strike Voltage : 50 ÷ 62.5
 Welding Voltage : 22.4 ÷ 28 / 23.6 ÷ 27.2
 Driving Power KW (hp) : 8.0 (11.0)
 Duty (A) : 180 (35%) ; 125 (60%)
 Power Output (KVA) : 5.0 (Single Phase)
 Voltage (V) : 115 / 230
 Current (A) : 43.3 / 21.7
 Frequency (Hz) : 50
 Welding Electrode Size Max. : 3.2mm

Options of engines to be assembled with the above alternator:

No	Brand	Model	Fuel	Max. Output (hp)	Fuel Tank Capacity (L)	Total Net Weight (kg)	Dimension (L) x (W) x (H) (mm)	Starting System
1	Honda	GX390	Gasoline	13.0	6.1	87	865x535x600	Recoil
2	Launtop	LA186	Diesel	10.0	5.5	104	865x535x600	Recoil / Electric



Model: ARC300DC
Speed (rpm): 3000
Welding Current DC (A): 30/300
Strike Voltage (V): 75
Welding Voltage (V): 21.2/32
Driving Power KW (hp): 15(20)
Duty: 300A (35%); 250A (60%)
Power Output (KVA): 6 (Single Phase)
Voltage (V): 230
Current (A): 13.0
Frequency (Hz): 50
Welding Electrode Size: 5.0mm

Options of engines to be assembled with the above alternator:

No	Brand	Model	Fuel	Max. Output (HP/rpm)	Fuel Tank Capacity (lit)	Total Weight (kg)	Diamension (mm) (L)x(W)x(H)	Starting System
5.1	Vikyno	EV2400-NB	Diesel	22/2200	16.0	379	1450 x 635 x 865	Electirc


ALTERNATOR PULLEY TYPE

EK2MCT
ER2CXT
FK2MES

ARC 300 DC

	Generator			Welder
Alternator Model	ER2CXT	EK2MCT	FK2MES	ARC300DC
Speed (rpm)	3000	3000	3000	3000
AC Max Output (Kva)	3.0 (1 Phase)	6.0 (1 Phase)	10 (1 Phase)	6.0 (1 Phase)
AC Rated Voltage (V)	115/230	115/230	115/230	115/230
Current (A)	26/13	52.2/26.1	87/43.5	52.2/26.1
Frequency (Hz)	50	50	50	50
Voltage Adjustment	Condenser	Condenser	Condenser	Condenser

MRH-601DS

Mikasa vibration roller use hydraulic pump and hydraulic motor drive systems for precise navigation and easy maintenance. Standard equipment: Front safety bumpers, working of light, plastic water tank, center cover, deadman safety lever, hydraulic oil and fuel gauge.



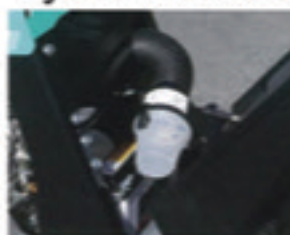
Model	Dimensions	Drum Size	Vibrating Frequency	Centrifugal Force	Traveling Speed	Limited Gradeability	Water Tank (lits)	Power Source
MRH-601 DS (Water cooled)	H : 1,195mm W : 692mm L : 2,265mm WT: 551kg	Dia : 355mm Width : 650mm	55Hz (3,300V.P.M)	10.8kN (1,100kgf)	0-3km/h	35%	30	Kubota diesel EA330 electric start max.output 4.6kW(6.3PS)

REVERSIBLE COMPACTOR

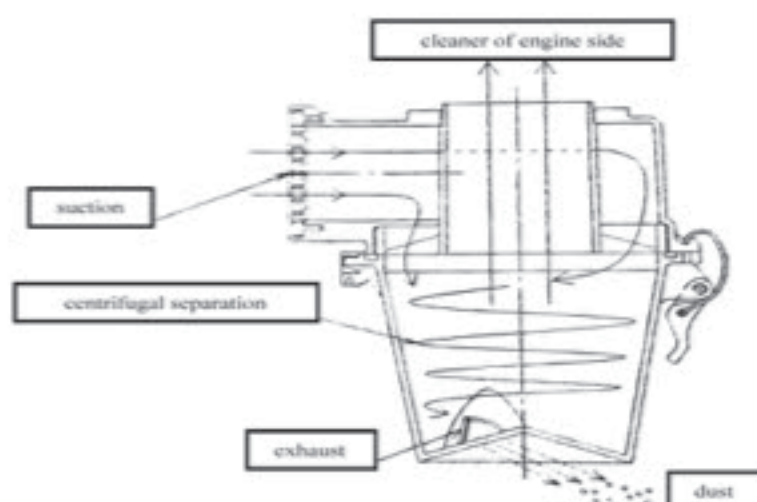
MVH-308DSY



Cyclone Cleaner



Cover Open

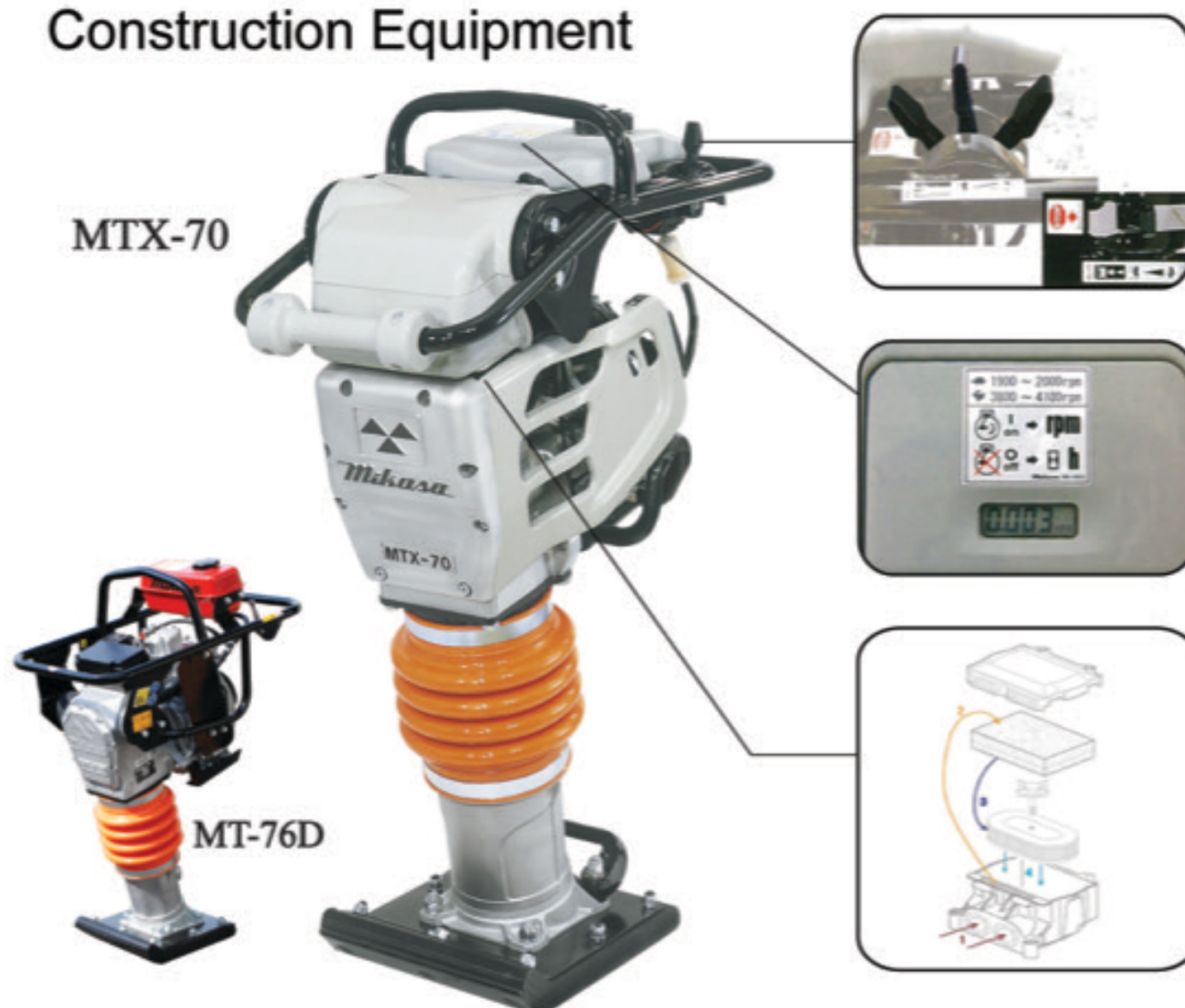


FEATURES

- ✓ Models equipped with diesel engines are silent-type reversible compactors installed with sound absorbing materials in the guard frame. (MVH-150D through MVH-502DSB)
- ✓ All models comply with the EU Noise Emission Directive 2005/88/EC (2004/14/EC)

Model	Dimensions	Plate Size	Weight	Vibration Frequency	Centrifugal Force (max)	Max. Traveling Speed	Limited Gradeability (max)	Power Source
MVH-308DSY	H: 1030mm L: 1540mm	W: 445mm (595mm) L: 860mm	341kg	73Hz (4,400V.P.M)	45.0kN (4,600kgf)	27m/min	35	Yanmar L70N diesel (electric start) max.output 4.9kW (6.7PS)

Construction Equipment



Throttle Lever

The newly designed throttle lever interlocks with the fuel cock and engine stop switch, enabling operation idling and stopping by one lever operation.

Original Hour Meter

(hour of operation) and Tachometer (engine rpm) as standard

Air Cleaner

A completely redesigned large, twin cyclone air cleaner has 3 times the dust holding capacity (DHC) of previous designs and significantly will increase engine life.

Model	Dimensions	Plate Size	Jumping Stroke	Impact Force	Impact Number Per Min.	Fuel Tank Capacity (lits)	Power Source
MTX-70	H : 1,027mm W : 350mm L : 788mm WT: 75kg	W1 : 285mm L1 : 340mm	50-80mm	14.9kN (1,520kgf)	644-695	2.5	Subaru ER12 gasoline, max.output 2.6kW(3.5PS) 4 stroke petrol (gasonline)
MT-76D	H : 1,010mm W : 410mm L : 740mm WT: 82kg	W1 : 285mm L1 : 340mm	50-80mm	15.7kN (1,600kgf)	656-698	3.3	Yanmar L48N max.output 3.5kW(4.7PS) air-cooled diesel engine

POWER TROWEL



MPT-36B



Blade Set (4pieces)



Round Plate (Optional)

Model	Dimensions	Trowel Diameter	Blade Dimension	Trowel Speed	Power Source
MPT-36B	H : 810mm W : 1,010mm L : 1,610mm WT : 74kg	910mm	L : 345mm W : 205mm	50-100 r.p.m	Robin EX 17D max.output 4.2kW(5.7PS) (gasonline)

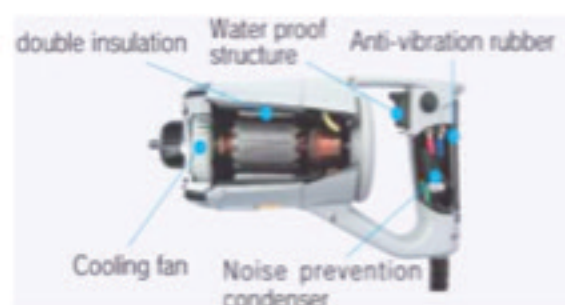


GH-38S

Model	Vib.Head Dia.x Length	Rubber Hose Length	Rubber Hose Dia.	Flexible Shaft Dia.	Amplitude	Vibration	Shaft Set Weight
GH-38S	38 X 480mm	6m	31mm	9.5mm	1.8mm	150-208Hz (9,000-12,500V.P.M)	6m 15.7kg
GH-45S	45 X 494mm	6m	31mm	9.5mm	2.0mm	150-208Hz (9,000-12,500V.P.M)	6m 17.4kg
GH-62S	62 X 479mm	6m	32mm	12.7mm	2.4mm	150-208Hz (9,000-12,500V.P.M)	6m 23.5kg

PORTABLE CONCRETE VIBRATOR

MGX-38 MGZ-F100A



(front surface sealed motor)

Features

- ✓ Handle part is a split type, and the anti-vibration rubber on the surface where your hand will touch serves to reduce fatigue.
- ✓ Wear resistant cover is placed on the switch lever and stopper areas to prevent entry of concrete and water.
- ✓ Most suited for casting of stone masonry, side ditch, building foundation and concrete products.

Model	Vib.Head Dia. x Length	Vibration Board Size	Vibration	Power (Single Phase)	Weight (kg)
MGZ-F100A	395 X 78mm	78mm x 100mm	166Hz-200Hz (10000-12000 V.P.M)	output:280W	5.0
MGX-28	28 X 1180mm	8mm	200Hz-285Hz (12000-15500 V.P.M)	output:280W	4.6
MGX-38	38 X 1180mm	8mm	200Hz-285Hz (12000-15500 V.P.M)	output:280W	5.1



FC - 401

FX - 40G



FREQUENCY & VOLTAGE CONVERTER

Model	Dimensions (mm) HxWxL	Input (V)	Input (A)	Input (KVA)	Input (Hz)	Output (V)	Output (A)	Output (KVA)	Output (Hz)	Number Of Outlets	Weight (kg)
FC-401	553 x 540 x 643	380 (3 phase)	10.4	6.83	50/60	48	48	4.0	200-240	3	80

HIGH CYCLE CONCRETE FREQUENCY VIBRATOR

Model	Vib.head dia. x length	Rubber Hose (m)	Voltage (V)	Cycle (Hz)	Input (KVA)	Amplitude (mm)	Vibration	Cable Length (m)	Weight (kg)
FX-40G	43 x 396mm	4 or 6m	48	220/240	0.49	1.5	200Hz/240Hz (12,000/14,400 V.P.M)	15	12.0/13.7

WE ARE PROFESSIONAL GENERATOR

SC1250

SC9000E/3

SC10000E-III

SC13000E/3


User - Friendly Control Panel

16amp Safety Socket

Large Fuel Tank

Patented FH Muffler

SPECIFICATION

Model	SC1250-III	SC2500-III	SC4000-III	SC8000E-III	SC9000E/3	SC10000E-III	SC13000E/3
Engine Model	SC156F(3HP)	SC168FB(6.5HP)	SC230 (7.5HP)	SC420F(14HP)	SC460 (16HP)	SC460(16HP)	2V78F(22HP)
Starting System	Recoil			Recoil / E-start			
Displacement (cc)	98	196	223	420	459	459	678
Compression Ratio	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1	8.5:1
Rated Frequency (Hz)	50						
Rated / Max. Power (Kw)	0.8 / 1.0	2.0 / 2.2	3.3 / 3.8	6.5 / 7.0	7.0 / 7.5	7.5 / 8.0	10 / 11
Rated Voltage (V)	240	240	240	240	240 / 415	240	240 / 415
Fuel tank capacity (L)	6	15	15	25	25	25	30
Fuel Consumption (g/hp.hr)	≤420	≤395	≤374	≤374	≤374	≤374	≤360
Full Load Continuous Running Time (h)	8.0	9.5	9.5	8.5	8.0	8.0	6.0
1/2 Load Continuous Running Time (h)	12.5	12.5	14.0	13.0	8.5	8.5	13
Noise Level @ 7m dB.(A)	<65	<68	<70	<78	<78	<80	<78
Dimension (L x W x H) (mm)	510 x 390 x 450	620 x 485 x 530	620 x 485 x 530	725 x 550 x 610	725 x 550 x 610	725 x 550 x 610	990 x 660 x 940
Net weight (kg)	28	42	50	88	90	94	215

Generator Compressor Welder

Model		SC200BS
Engine	Engine	SC190F
	Starting System	Manual/Electric
	Displacement (cc)	420
	Fuel tank capacity (L)	30
	Fuel Consumption (g/hp.hr)	≤374
Welding	Rated No-Load Voltage (V)	DC 75
	Operating Voltage (V)	DC 22~27.6
	Current Regulation Range (A)	DC 50~200
	Rated Duty Cycle (%)	50
Generator	Voltage / Frequency (V/Hz)	240 / 50
	Rated Output (Kw)	5
	Max. Output (Kw)	5.5
Air Compressing	Starting	Recoil + Pressure Trigger
	Air Tank (L)	2 x 10
	Alternator Output (Kw)	1.35
	Pressure (PSI)	115
	Air Output (CFM)	44 @ 90PSI
	Air Input (CFM)	8
Noise Level @ 7m dB.(A)		< 78
Dimension (L x W x H) (mm)		866 x 600 x 805
Net weight (kg)		153

SC200BS



SCAXQ1-250A



Welder Generator

Model		SC-130A	SC-200A	SCAXQ1-250
Engine	Engine	SC230	SC420F (14HP)	SC460
	Starting System	Recoil	Recoil/Electric	Recoil/Electric
	Displacement (cc)	223	420	459
	Fuel tank capacity (L)	3.6	25	18
Welding	Current range (A)	50-130	50-200	50-240
	Rated load voltage (V)	22 - 25.2	21 - 26	22 - 29.6
	Electrode (mm)	1.6-3.2	2.0 - 4.0	2.0 - 5.0
Generator	Rated Voltage (V)	240	240	240
	Rated Frequency (Hz)	50	50	50
	Rated Power (Watts) (Kw)	2.5	4.0	2.0
	Max. Power (Watts) (Kw)	2.8	4.5	2.5
	Voltage Control	AVR	AVR	MDS
Noise Level @ 7m dB.(A)		< 70	< 78	< 80
Dimension (L x W x H) (mm)		620x 475x 470	710 x 560 x 585	710 x 560 x 585
Net weight (kg)		50	96	75

SC-4000i


Inverter Generator		
Model	SC-2000i	SC-4000i
Engine Model	Yamaha MZ80	SC230
Starting System	Recoil Start	Recoil Start/E-Start
Displacement (cc)	79	223
Compression Ratio	8.7:1	8.5:1
Rated Frequency (Hz)	60 / 50	60 / 50
Rated Power (Kw)	1.6	3.5
Max. Power (Kw)	2.0	4
Rated Voltage (V)	240	240
Fuel tank capacity (L)	4	12.5
Fuel Consumption (g/hp.hr)	≤336	≤279
Full Load Continuous Running Time (h)	4.0	5.0
1/2 Load Continuous Running Time (h)	6.8	11
Noise Level @ 7m dB.(A)	< 62	< 65
Dimension (L x W x H) (mm)	540 x 330 x 505	725 x 535 x 555
Net weight (kg)	20	55

Water Pump	SCWP 50	SCWP 80
Engine Model	SC230 (7.5HP)	SC230 (7.5HP)
Starting System	Recoil/E-Start	Recoil/E-Start
Displacement (cc)	223	223
Bore x Stroke (mm)	70 x 54	70 x 54
Suction Port Diameter (mm)	50	80
Discharge Port Diameter (mm)	50	80
Total Head Lift (m)	28	30
Pump Discharge Capacity (m³/h)	30	60
Suction Head (m)	8	8
Rared Speed (rpm)	3600	3600
Oil Capacity (L)	0.6	0.6
Fuel Tank Capacity (L)	3.6	3.6
Dimension (L x W x H) (mm)	490 x 405 x 400	520 x 405 x 415
Net Weight (kg)	26	28.5

SCWP 80

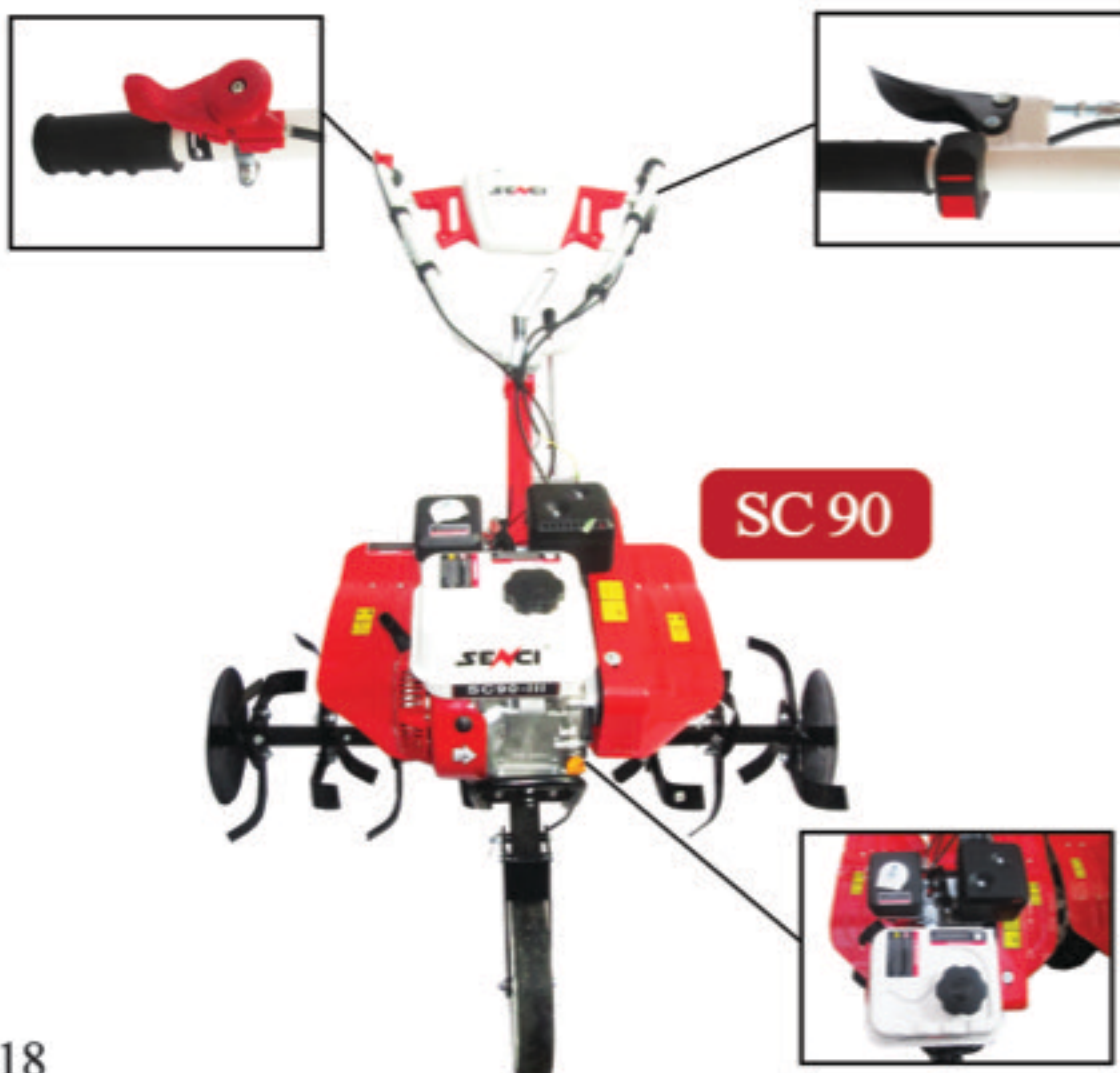
SC460


Gasoline Engine	SC230	SC460
Engine Model	Single Cylinder (SC2V78,Twin Cylinder), Forced Air Cooling, 4 Stroke,OHV 25°	
Starting System	Recoil/E-Start	Recoil/E-Start
Compression Ratio	8.5:1	8.5 :1
Horse Power (HP)	7.5	16
Dispalcement (cc)	223	459
Max. Output (Kw/rpm)	5.0/3600	9.8/3600
Max. Torque (N.m/rpm)	14.0/2500	29.0/2500
Ignition Type	T.C.I	T.C.I
Fuel Consumption (≤ g/kw/h)	374	374
Fuel Tank Capacity (L)	3.6	6.5
Oil Capacity (L)	0.6	1.1
Dimension (L x W x H) (mm)	376 x 312 x 335	450 x 405 x 443
Net Weight (kg)	16	33


SCPW3500

SCPW4200

Model	SCPW2700	SCPW3500	SCPW4200
Engine Model	SC168FB(6.5HP)	SC230(7.5HP)	SC460 (16HP)
Starting System	Recoil Start		
Displacement (cc)	196	223	459
Bore x Stroke (mm)	68 x 54	70 x 58	92 x 69
Compression Ratio	8.5:1	8.5:1	8.5:1
Pump Type	AR AL Axial pump	BTLN Copper Triplex pump	AR Copper Triplex pump
Max. Pressure	2700psi(18.6Mpa)	3500psi (24.1Mpa)	4200psi (29.0Mpa)
Rated Pressure	2400psi (16.7Mpa)	2800psi (19.3Mpa)	3700psi (25.5Mpa)
Rated Flow (L/min)	7.9	10.6	14.5
Working Speed (rpm)	3350-3550	3350-3550	3350-3600
Dimension (L x W x H) (mm)	590 x 540 x 595	590 x 540 x 595	770 x 600 x 645
Net Weight (kg)	28	35	56


SC 90

	SC90-III
Engine Model	SC230
Starting System	Recoil Start
Compression Ration	8.5:1
Horse Power (HP)	7-5
Displacement (cc)	208
Max. Output (kw/rpm)	4.5/3600
Max. Torque (N.m/rpm)	12.4/2500
Fuel Consumption ($\leq$ g/kw/h)	374
Fuel Tank Capacity (L)	3.6
Oil Capacity (L)	0.6
Driving Mode	Belt + Chain
Gear Shifting	-1,0,1,2
Tilling Width (mm)	750-900
Tilling Depth (mm)	150-300
Tilling Blade	4-3
Tilling Wheel	4.0-8.0
Dimension (L x W x H) (mm)	780x440x660
Net Weight (kg)	72

FEATURES

- ✓ Low noise at 70dBA at 7m
- ✓ Minimal vibration & smooth running
- ✓ Large efficient muffler reduces sound
- ✓ 8 hours continuous running without fuel top-up
- ✓ Universal wheels allow easy movement
- ✓ Concealed generator, elegant appearance
- ✓ Lighting continuously up to 10 hours
- ✓ Console box for electrical wiring
- ✓ Top open-up bonnet (to back-up starting motor)
- ✓ Additional 16 amp safety socket
- ✓ Explosive Wheel
- ✓ Earth-leakage circuit breaker (ELCB)

SPECIFICATIONS

- Generator Model: Launtop LDG6000S
- Frequency (HZ): 50/60
- Rated AC Output (kW): 4.5/5.0
- Maximum AC Output kW: 5.0/5.5
- Voltage (V): 110-240
- D.C Output (V-A): 12/8.3
- Dimension (L x W x H) (mm): 910 X 540 X 740
- Engine Model: LA186FAFG
- Starting System: Electric
- Fuel Tank Capacity (lit): 16
- Lamp: Metal Halide 400W x 4
- Bulb Life Span: 8,000 hours
- Lamp Frame Extension (mm): 2300 - 4300 (7'7" - 14'3")
- Net Weight (kg): 295



Balloon Lighting Tower

- ✓ Lamp Frame Extension (mm): 2300 - 5000 (7'7" - 16'3")
- ✓ Lamp Type: Metal Halide Lamp 1,000W x 2
- ✓ Bulb Life Span: 10,000 hours
- ✓ Suitable for highway usage, working without shadow thus ensure safety





Features	Advantages
Combined type design to facilitate the installation	Customized according to customer demand
All-steel shell with external coating of galvanized phosphoric acid	Corrosion resistant wall
Water proof and dust proof enclosure sealed design	Rain and dust are difficult to enter
Good cooling system and full exhaust and heat elimination	Reduce the noise without affecting the unit power
Rigorous factory test	Quality assurance
Small size and beautiful appearance	Convenient unit transport with high safety
Complete accompanying data	Convenient installation, operation and maintenance

Silent Generator				
Model	LD27JB	LG44JB	LG66C5	LG125C5
Engine Model	Isuzu 4JB1	Isuzu 4JB1TA	Cummins 4BTA3.9G2	Cummins 6BTA5.9G2
Alternator Model	Stamford	Stamford	Stamford	Stamford
Number of Cylinder / Engine (pcs / Kw)	4 / 26	4 / 40	4 / 64	6 / 116
Rated Speed / Frequency (rpm/Hz)	1500 / 50			
Continuous Output (kW/KVA)	20/25	32/40	48/60	90/113
Max. Output (kW/KVA)	22/27	35/44	53/66	100/125
Voltage (V)	380 / 220			
Phase And Wire	3 Phase & 4 Wire			
Rated Power Factor	0.8 (Lagging)			
Maximum Output Current (A)	41	66.8	100	116
Fuel Tank Capacity (L)	100	100	230	280
Fuel Consumption (L/hr)	5.6 (100% load)	8.96 (100% load)	14.7 (100% load)	34 (100% load)
Lub Oil Capacity (L)	5.5	5.5	9.5	14.2
Voltage For Start (V)			24	24
Noise Level & 7m dB.(A)	< 70			
Dimension (L x W x H) (kg)	2110 x 900 x 1300	2110 x 900 x 1300	2680 x 1100 x 1880	3300 x 1080 x 1970
Net weight (electric) (kg)	900	950	1390	1870

LA186FA


Diesel Engine

LA290

 Diesel Engine
(Twin Cylinder)

LT420


Gasoline Engine

FEATURES

- ✓ Diesel engine - direct injection combustion system, efficient air cleaner system.
- ✓ Gasoline engine - compact in structure, small in size and fuel saving.

Diesel Engine					
Model	LA170FA/E	LA178FA/E	LA186FA/E	LA188/E	LA290 Twin Cylinder
Bore x Stroke (mm)	70 x 57	78 x 64	86 x 72	88 x 78	90 x 75
Displacement (cc)	219	306	418	474	954
Engine Speed (rpm)	3000/3600				
Max. Output (hp)	3.8/4.2	5.5/6	8.6/10	9.0/9.8	20
Continuous Output (hp)	3.4/3.8	5.0/5.4	7.7/8.6	10.0/10.9	17
Lube Oil Capacity (L)	0.75	1.11	1.65	1.65	3
Fuel tank capacity (L)	2.5	3.5	5.5	5.5	7
Dimension (L x W x H) (mm)	332x392x416	383x421x450	412x470x494	412x470x499	558x475x535
Net Weight (Recoil) (kg)	27	33	48	53	81

Gasoline Engine		
Model	LT210	LT420
Bore x Stroke (mm)	70x54	90x66
Displacement (cc)	208	420
Engine Speed (rpm)	3000/3600	
Max Output (hp)	7.0	16
Continuous Output (hp)	5.5	11
Oil Capacity (L)	0.6	1.4
Fuel Tank Capacity (L)	3.6	6
Dimension (L x W x H) (mm)	315x362x335	405x450x435
Net Weight (Recoil) (kg)	16	31

LDF50CL

Diesel High Pressure Pump


LDP80C

Diesel Water Pump


LDTP80CE

Diesel Iron Pump


FEATURES

✓ Quality pump kit with thicker material

Diesel Water Pump				
Model		LDP50C/CL	LDP80C/CL	LDP100C/CLE
Inlet	(inch)	2	3	4
Outlet	(inch)	2	3	4
Max. Capacity	(m3/hr)	21	36	65
Max. Discharge Head	(m)	26	25	25
Self-priming Time	(s/4m)	70	120	180
Max. Suction Head	(m)	8	8	8
Engine Model		LA170FA	LA178FA	LA180FA
Fuel Tank Capacity	(L)	2.5	3.5	5.5
Dimension (L x W x H)	(mm)	475x400x500	540x440x540	645x475x605
Net Weight	(kg)	38	45	67

Diesel High Pressure Pump				Diesel Iron Pump
Model		LDF50CL/E	LDF50CLE-2	LDTP80CE
Inlet	(inch)	2	2	3
Outlet	(inch)	2"x1	2"x1	3"x1
Max. Capacity	(m3/hr)	28	20	26
Max. Discharge Head	(m)	55	110	65
Self-priming Time	(s/4m)	30	30	30
Max. Suction Head	(m)	8	8	8
Engine Model		LA178FAFP	LA178FAFP	LA186FAFP
Fuel Tank Capacity	(L)	3.5	3.5	5.5
Dimension (L x W x H)	(mm)	540x440x540	540x440x540	545x475x605
Net Weight	(kg)	45	47	70

LDWT150CLE

6" Diesel Trash Pump

Model	LDWT150CLE	
Inlet	(mm/inch)	150/6
Outlet	(mm/inch)	150/6
Max. Capacity	(m3/hr)	160
Max. Discharge Head	(m)	18
Max. Suction Head	(m)	7
Engine Model	LA290	
Starting System	Electric	
Max. Output	(hp)	17
Displacement	(cc)	954
Fuel Tank Capacity	(L)	28
Dimension (L x W x H)	(mm)	1000x650x880
Net Weight	(kg)	210

Diesel Mud Pump

Model	LDMP80CLE	
Inlet	(inch)	3
Outlet	(inch)	3"x1
Max. Capacity	(M3/hr)	70
Max. Discharge Head	(m)	22
Self-priming Time	(s/4m)	30
Max. Suction Head	(m)	8
Engine model	LA186FA	
Fuel tank capacity	(L)	5.5
Dimension (L x W x H)	(mm)	730x560x785
Net weight	(kg)	100

LDMP80CLE

FEATURES

✓ Quality pump kit with thicker material

LTP50C

Gasoline Water Pump
High Pressure Pump

Gasoline Water Pump			High Pressure Pump
Model	LTP50C	LTP80C	LTF50C
Inlet (inch)	2	3	2
Outlet (inch)	2"x1	3"x1	2"x1
Max. Capacity (M3/hr)	21	36	28
Max. Discharge Head (m)	26	25	55
Self-priming Time (s/4m)	70	120	30
Max. Suction Head (m)	8	8	8
Engine model	LT210	LT210	LT210
Fuel tank capacity (L)	3.6	3.6	3.6
Dimension (L x W x H) (mm)	450x375x375	510x375x435	490x400x422
Net weight (kg)	24	25	27

LDG3600CL

LDG7500CLE

LDG6000S

LDG7500S

Super Silent Generator (62dBA@7m)

AC Pump

Side Door

ATS Connector

FEATURES

- ✓ LDG6000S: Equipped with double large efficient mufflers & sound proof canopy with low noise level of 70dBA@ 7m.
- ✓ For LDG7500S/S-3: build in ATS (Auto Transaction System) connector.
- ✓ Optional ATS control panel.

Diesel Generator					Silent Type	
Model	LDG2200CL	LDG3600CL / E	LDG6500CL / E	LDG7500CLE	LDG6000S	LDG7500S/S-3
Voltage (V)	240				240	240/415
Frequency (Hz)	50					
Rate. & Max. AC output (kw)	1.7/1.9	2.7/3.0	5.0/5.5	5.0/5.5	4.5/5.0	5.0/5.5 , 6.8/7.5
DC output (hp)	12					
Engine model (L)	LA170FAFG	LA178FAFG	LA186FAFG	LA188F	LA186FAFG	LA188F
Starting system	Manual	Manual/Electric	Manual/Electric	Electric	Electric	Electric
Fuel Consumption (g/kW h)	≤ 430	≤ 420	≤ 400	≤ 400	≤ 400	≤ 370
Fuel tank capacity (L)	12.5				25	
Dimension (L x W x H) (mm)	610x450x500	680x455x545	740x475x590	750x480x630	900x520x700	960x560x730
Noise level at 7M dB(A)	< 79	< 80	< 82	< 82	< 70	< 62
Net weight (recoil) (kg)	70	80	99	99	150	160

LDG12



LDG12S



FEATURES

- ✓ Equipped with double large efficient mufflers & sound proof canopy with low noise level of 70dBA@ 7m.
- ✓ Silent type 1 phase & 3 phase - build in ATS (Auto Transaction System) connector.
- ✓ Optional ATS control panel.

ATS control panel



Twin-Cylinder Diesel Generator		Oper Type		Silent Type	
Model		LDG12	LDG12-3	LDG12S	LDG12S-3
Voltage	(V)	110~240	380/220,400/230	110~240	380/220,400/230
Frequency	(Hz)	50			
Rate. & Max. AC output	(kw)	10/11			
DC output	(V)	12			
Engine model		LA290			
Starting system		Electric			
Fuel Consumption	(g/kW h)	≤350			
Displacement	(cc)	954			
Engine Speed	(rpm)	3000/3600			
Oil capacity	(L)	3			
Fuel tank capacity	(L)	25		60	
Noise level at 7M	dB(A)	< 82	< 82	< 70	< 70
Dimension (L x W x H)	(mm)	910x578x800		1175x695x1025	
Net weight (recoil)	(kg)	170	174	295	300

LT1200

LT3500CL

LT7500CLE

LT7500S

FEATURES

- ✓ Equipped with quality rubber wheel.
- ✓ Quality local socket.

Gasoline Generator					Silent Type
Model	LT1200CL	LT2500CL	LT3500CL	LT7500CL/CLE	LT7500S
Voltage (V)	240				
Frequency (Hz)	50				
Rate. & Max. AC output (kw)	0.9/1.0	2.0/2.3	2.5/2.8	6.0/6.5	5.5/6.0
DC output (V)	12				
Engine model (L)	LT87	LT210		LT420	
Starting system	Manual			Manual/Electric	Electric
Fuel Consumption (g/kWh)	≤920	≤630	≤610	≤460	≤490
Displacement (cc)	87	196	208	420	
Engine Speed (rpm)	3000/3600				
Oil capacity (L)	0.4	0.6	0.6	1.4	0.6
Fuel tank capacity (L)	5.2	15	15	25	15
Dimension (L x W x H)(mm)	465x375x380	590x433x (430~483)		685x512x550	1000x520x740
Noise level at 7M dB(A)	< 93	< 95	< 96	< 96	< 69
Net weight (kg)	27	39	44	87	126

LDW200ARNE

LTW200ARE



FEATURES

- ✓ Equipped with Italy technology transformer.
- ✓ Large fuel tank.
- ✓ LDW200ARNE : Come with AC pump.

100% COPPER WIRE
TRANSFORMER
(ITALY TYPE) C/W FAN

		Diesel Welding Generator	Gasoline Welding Generator
Model		LDW200ARNE (Electric)	LTW200ARE (Electric)
Voltage / Frequency (V / Hz)		240 (50)	
Rate. & Max. AC output (kw)		5.0/5.5	5.0/5.5
DC output (V)		12	
Welding Set	Operating Welding Voltage (V)	28~25	
	Operating Current (V)	50-140	50~140/50~160
	Max. Arcing Current (A)	200	200
	Duty Cycle (%)	60	
Engine model		LA188F (474cc)	LT420V (420cc)
Oil capacity (L)		1.65	1.1
Fuel tank capacity (L)		12.5	25
Dimension (L x W x H) / Weight (mm)		740x475x605 (129.8kg)	685x520x625 (106.8kg)
Noise level at 7M (dB.A)		<82	<77

DIESEL H/P WASHER

LDPW3600E



Diesel HP Washer

Model	LDPW2700E	LDPW3600E
Max. Pressure (PSI)	2700 (189kg/cm2)	3600 (253kg/cm2)
Max. Capacity (L/min)	12.6	18.1
Max. Output (hp)	5.5	10
Engine Speed (rpm)	3600	3600
Engine Model	LA178FA	LA188F
Fuel Tank Capacity (L)	3.5	5.5
Dimension (H x W x L) (mm)	810 x 605 x 665	845 x 625 x 700
Weight (kg)	85	100



Heavy Duty Sprayer Gun
Hydraulic Hose



Quick connect spray
nozzle



Temperature control
valve


MMA 160 G

MMA 200


Relationship between diameter of welding rod and thickness of work piece									
Work piece thickness									
	0.1	0.4	1.0	2.0	3.0	4.5	6.6	9.0	
Welding rod ϕ	2.0 / 4.0								MMA-160G MMA-160
	2.0 / 5.0								MMA-200

FEATURES

- ✓ High duty cycle that satisfy all welders work.
- ✓ Advanced high frequency IGBT inverter technology.
- ✓ Compact and portable, user friendly connectors.
- ✓ Excellent arc properties and solution droplet transfer.
- ✓ Overheating, over-voltage & over-current protection functions.



SPECIFICATIONS

MODEL		MMA-160G	MMA-200	MMA-250
Power Voltage	(V)	AC220V $\pm$ 15% 50HZ	AC220V $\pm$ 15% 50HZ	AC220V $\pm$ 15% 60HZ
Rated Input Capacity	(KVA)	7.2	8.2	11
Rated Output	(A)	160A/26.4V	200A/28V	250A/30V
Output Current Range	(A)	20-160	20-200	20-250
No-load Voltage	(V)	63	63	70
Duty Cycle	(%)	60	60	60
Efficiency	(%)	85	85	85
Power Factor		0.8	0.8	0.85
Insulation Class		F	F	F
Protect Class		IP21S	IP21S	IP21S
Usable Electrode	(mm)	1.6-4.0	1.6-5.0	2.0-5.0
Dimension	(mm)	450X250X320	450X250X320	450X250X320
Weight	(KG)	8.1	8.5	9

WALK-BEHIND SINGLE DRUM ROAD ROLLER

Model	RWYL11	
Drum Size (mm)	Dia : 400 / Widht : 560	
Vibrating Fequency (Hz)	70	
Centrifugal Force (kN)	12	
Traveling Speed (km/h)	1.5	
Limited Gradeability (%)	20	
Water Tank (L)	15	
Engine Model	Honda GX160	LA170F
Power (hp/rpm)	5.5/3600	4.0/3600
Fuel Consumption (g/kWh)	≤313	≤280.2
Fuel Tank Capacity (L)	3.6	2.5
Oil Capacity (L)	0.6	0.6
Dimensions (H x W x L) (mm)	970 x 780 x 112	
Weight (kg)	286	298

RWYL11

RWYL33S

Water Cooled
Diesel Engine


WALK-BEHIND DOUBLE DRUM ROAD ROLLER

Model	RWYL33S	
Drum Size (mm)	Dia : 355 / Widht : 732	
Vibrating Fequency (Hz)	65	
Centrifugal Force (kN)	17	
Traveling Speed (km/h)	0-3.5	
Limited Gradeability (%)	25	
Water Tank (L)	38	
Engine Model	Water Cool RD90N-1	Air Cool L100
Power (hp/rpm)	8.9/2400	9.0/3600
Fuel Consumption (g/kWh)	≤258	≤280
Fuel Tank Capacity (L)	10	4.7
Oil Capacity (L)	2.3	1.6
Dimensions (H x W x L) (mm)	1710 x 680 x 2320	
Weight (kg)	760	714



Air Cooler L100 Diesel Engine



American light-duty
variable plunger pump



American brand cycloid
hydraulic motor, double-drive



Forward/Reverse, Running and
Vibration all controlled by the
integrated lever



Plastic corrosion-free water tank.



Dead-man safety control

LV210


Gasoline Engine		
Model		LV210
Bore x Stroke	(mm)	70x54
Starting system		Recoil
Frequency	(cc)	208
Engine Speed	(rpm)	3000/3600
Max. output	(hp)	7.0
Continuous Output	(hp)	5.5
Oil Capacity	(L)	0.6
Fuel tank capacity	(L)	15
Dimension (L x W x H)	(mm)	315x362x335
Net weight (recoil)	(kg)	16

Gasoline Generator

Model		LV3500CL
Voltage	(V)	240
Frequency	(Hz)	50
Rate. Max AC output	(kw)	2.5/2.8
DC output	(V)	12
Engine model	(L)	LV210
Starting system		Recoil
Displacement	(cc)	208
Engine Speed	(rpm)	3000/3600
Oil Capacity	(L)	0.6
Fuel tank capacity	(L)	15
Dimension (L x W x H)	(mm)	590x433x(430~483)
Noise level at 7M	dB(A)	<96
Net weight	(kg)	44

LV3500




Sunnyhose has the largest market share worldwide because users appreciate its high quality and economy. It is made of synthetic fibers and soft PVC in a continuous/one process production developed by Takata Corporation. It is a general purpose hose, consistently high in quality, and available in long lengths.

It is designed for temporary water supply or drainage, for drip irrigation and sprinkler irrigation at farms.

The large diameter sunnyhose, 250~400mm, is ideal for use as drainage hose in emergency/flood/disaster situations when large quantities of water must be moved quickly.

Size (Inches x m)	Internal Dia. (mm)	Wall Thickness (mm)	Working Pressure (kg/cm ²)	Weight (kg)
2" x 100	53	1.3	4.5	29
3" x 100	78	1.7	4.0	55
4" x 100	104	1.75	4.0	74
6" x 100	155	1.95	3.0	123
8" x 100	207.5	2.2	3.0	186



PONY Delivery Hose (Technology of Korea)

Size (Inches x m)	Internal Dia. (mm)	External Dia. (mm)	Working Pressure (kg/cm ²)	Bursting Pressure (kg/cm ²)	Weight (kg)
2" x 100	52	54	4.0	8.0	26.2
3" x 100	77	79	4.0	8.0	40.2
4" x 100	103	105.2	4.0	8.0	62.2

Fuji Delivery Hose



Size (Inches x m)	Internal Dia. (mm)	External Dia. (mm)	Working Pressure (kg/cm ²)	Bursting Pressure (kg/cm ²)	Weight (kg)
2" x 100	50	52	1.5	5.0	24
3" x 100	77	79	1.5	5.0	36
3" x 30	77	79	1.5	5.0	10.8
4" x 100	100	102	1.3	4.0	55
6" x 100	150	152	1.1	3.5	98
6" x 50	150	152	1.1	3.5	49
8" x 100	200	202	1.0	3.0	150
8" x 30	200	202	1.0	3.0	45



Usage:

- 1) For spraying chemicals in agricultural use .
- 2) For machines and equipments that require high pressure such as car washing, painting and air tools.

Size (mm x m)	Internal Dia. (mm)	External Dia. (mm)	Working Pressure (g/m)	Bursting Pressure (kg/cm ²)	Weight (kg)
8.5 x 100	8.5 ± 0.6	14.5 ± 0.5	60	180	15
10 x 100	10.5 ± 0.7	16.5 ± 0.5	50	150	18
13 x 100	13.0 ± 0.7	20.6 ± 0.5	50	150	25

FEATURES

- ✓ Good flexibility
- ✓ Excellent durability against abrasion and chemical agent.

PONY Sprayer Hose (Technology of Korea)

Size (mm x m)	Internal Dia. (mm)	External Dia. (mm)	Working Pressure (kg/cm ²)	Bursting Pressure (kg/cm ²)	Weight (kg)
8.5 x 100	8.5	14.5	60	180	13
10 x 100	10.5	16.5	50	150	15
13 x 100	13.0	20.6	50	150	20.5
19 x 100	19.0	29.5	30	120	38.6
25 x 50	25.0	35.0	30	120	34.2

Sprayer Hose:



PONY High Pressure Hose (Germany Design)

8.0 x 10	7.8	17.6	300	950	2.3
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High Pressure Hose:



Kawasaki Sprayer Hose (Technology of Japan)

Size (mm x m)	Internal Dia. (mm)	External Dia. (mm)	Working Pressure (kg/cm ²)	Bursting Pressure (kg/cm ²)	Weight (kg)
8.5 x 10	8.5	13.7	40	120	1.4
8.5 x 20	8.5	13.7	40	120	2.8
8.5 x 30	8.5	13.7	40	120	4.2
8.5 x 100	8.5	13.7	40	120	14



Options:



OS 45



FJ 30



FJ 120



Sprayer Pump

Model	OS-45		FJ-30		FJ-120	
Piston Dia. (mm)	30 x 3		30 x 3		38 x 3	
Stroke (mm)	20		20		38	
Suction Gate Dia. (inc)	1		1		1"5	
Application	Spraying	Irrigation	Spraying	Irrigation	Spraying	Irrigation
Velocity (rpm)	450 - 800	600 - 1200	450 - 800	600 - 1200	450 - 680	600 - 1000
Suction Volumm (lit/min)	16.5 - 29.5	22 - 44	16.5 - 29.5	22 - 44	56 - 83	75 - 125
Pressure (Kgs/cm ²)	Max. 40	10	Max. 40	10	Max. 40	10

EY-20



OS 45

OS 45X



OS 20B

WP 20c/w Robin


Water Pump				
Model	OS-20B	WP20	OS-30B	WP30
Engine Model	OS-160	EY20	OS-168	EY20
Maximum Output (hp)	5.5	5.0	6.5	5.0
Max. Delivery Lift (m)	25		25	
Max. Water Displacement (M3/hr)	30		50	
Suction Height (m)	8		8	
Fuel Tank Capacity (L)	3.6	3.8	3.6	3.8
Dimension (L x W x H) (mm)	480 x 380 x 400		510 x 380 x 450	
Net weight (kg)	21.8	22.7	24	24.9

PUMP KIT

PG 207

Normal


SP 80

Thick


SF 50-2

Twin impeller


SF 80-P

Pulley type fire fighting

FEATURES

✓ Grease Free.

Centre Firgure Pump

Model	PG207	PG305	SP50 (thick)	SP80 (thick)	SP100 (thick)
Max. Water Displacement (m3/hr)	30	50	30	50	65
Max. Delivery Lift (m)	25	25	25	25	25
Suction Height (m)	8	8	8	8	8

Fire Fighting Pump

Model	SF50	SF50-2	SF50-P	SF80-P
Max. Water Displacement (m3/hr)	28	20	28	40
Max. Delivery Lift (m)	55	110	55	68
Suction Height (m)	8	8	7	7

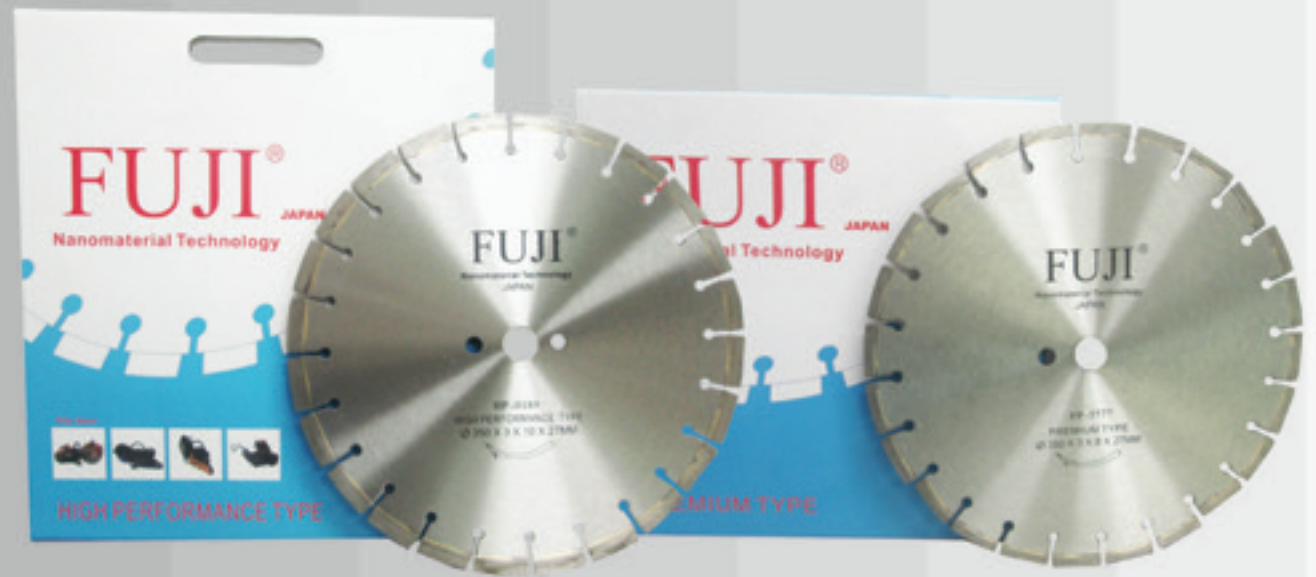
Fuji High Performance Blade

✓ Cutting concrete piles

Size	Cutting Length
~ 14" Wet	300 m - 400 m

Fuji Diamond Blade

Size	Cutting Length
~ 12" Wet	300 m
~ 14" Premium	300 m
~ 16" Wet	300 m
~ 18" Wet	300 m

**Canwide Diamond Blade (Taiwan)**

Size	Cutting Length
~ 14" Wet	200 m
~ 16" Wet	200 m

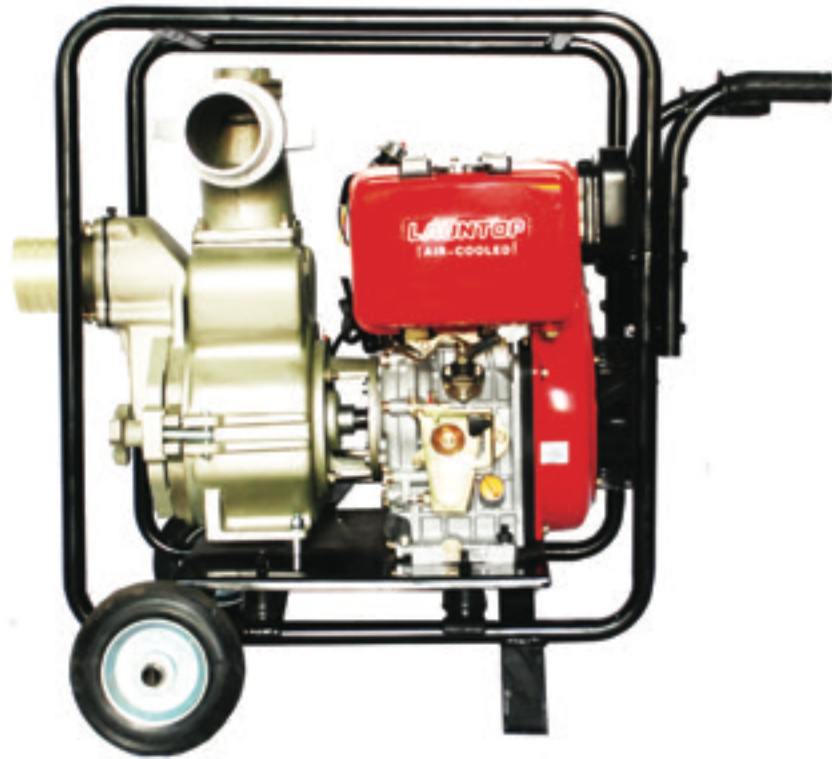
**Shinhan Diamond Blade (Korea)**

Size	Cutting Length
~ 14" Premium	800 m
~ 14" Standard	400 m
~ 16" Premium	800 m

Tokyo Rika Walking Measure

Model	Wheel Dia.(CM)	Digit	Graduation (cm)	Measuring Range	Wt_ (Kg)
B20S	20	5	10	0.1m - 10km	1.0





TP40 C/W LAUNTOP LA186



Product	Model	Water Capacity (lit/min)	Head (m)	Inlet (inc)	Outlet (inc)
KATO High Pressure Water Pump	KP203	400	75	2	Two 1 & One 1½
KATO High Pressure Water Pump	KP301	600	60	3	3
KATO Centrifugal Pump	A50S	600	32	2	2
KATO Centrifugal Pump	A80S	1,000	28	3	3
KATO Centrifugal Pump	AE50	600	32	2	2
KATO Centrifugal Pump	AE80	1,000	28	3	3
KATO Self - Priming Centrifugal Trash Pump	TP40	1900	28	4	4



1) Determine the power required from your generator

First consult the owners manual or the equipment data to determine the power required to operate it. To calculate the watts needed from your generator, you must work out the running watts for all the equipment that may run simultaneously and multiply it by the energy required to initially start up the equipment.

If the power required for your equipment is indicated in amps, multiply by volts (230v) to give you the watts.
Examples: 5 amps x 230v = 1,150 watts



2) Calculating the starting coefficient

Running watts x starting coefficient

The majority of products have a starting coefficient of 1.

If you want to run a light bulb and a hedge trimmer your calculation would look like this:

Product	Running Watts	Starting Coefficient	Total Watts
Light Bulb	100	x 1	100
Hedge Trimmer	780	x 2	1,560

You will need a generator with output at least 1,660w.



3) Rated power for selected equipment

Items	Power in watts	Starting Coefficient
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HAND TOOLS

Angle Grinder	500 – 900	2
Cement Mixer	500 – 850	3
Circular Saw	1,000 – 1,600	1.5
Compressor	1,200 – 2,500	3+
Drill	500 – 1,100	1
Finishing Sander	135 – 350	1
Grinder	120 – 400	1.5
Hammer Drill	600 – 800	1
High Pressure Washer	1,200 – 3,000	3
Hot Air Gun	1,600 – 2,000	1
Jig Saw	350 – 750	1
Orbital Sander	300 – 450	1
Peeling Machine	1,800 – 2,000	1
Planer	470 – 750	1
Router	800 – 1,300	1
Spray Gun	95 – 750	1

GARDEN

Chain Saw	1,400 – 1,800	2
Hedge Trimmer	400 – 800	2
Lawn Mower	300 – 1,600	2
Shredder	700 – 2,500	2
String Trimmer	200 – 600	2

HOUSEHOLD ELECTRICALS

Coffee Maker	750 – 1,050	1
Deep Freeze	90 – 400	3+
Fryer	1,800 – 2,000	1
Grill	1,000 – 2,500	1
Hair Dryer	1,800 – 2,200	1
Microwave Oven	1,200 – 1,600	2
Mixer	300 – 700	1
Oven	1,800 – 3,000	1
Refrigerator	50 – 250	3
Steam Iron	1,400 – 2,260	1
Toaster	850 – 1,150	1
Tumble Dryer	1,200 – 2,500	1
Vacuum Cleaner	700 – 1,800	1
Washing Machine	2,100 – 2,400	1.5

LIGHTING – TV – HIFI – COMPUTER

Desk Lamp	50 – 150	1
Radio	50 – 100	1
TV	100 – 350	1

OTHER

Air-conditioner	500 – 2,500	3+
Barbeque	1,100 – 2,300	1
Heating	1,000 – 1,800	1

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