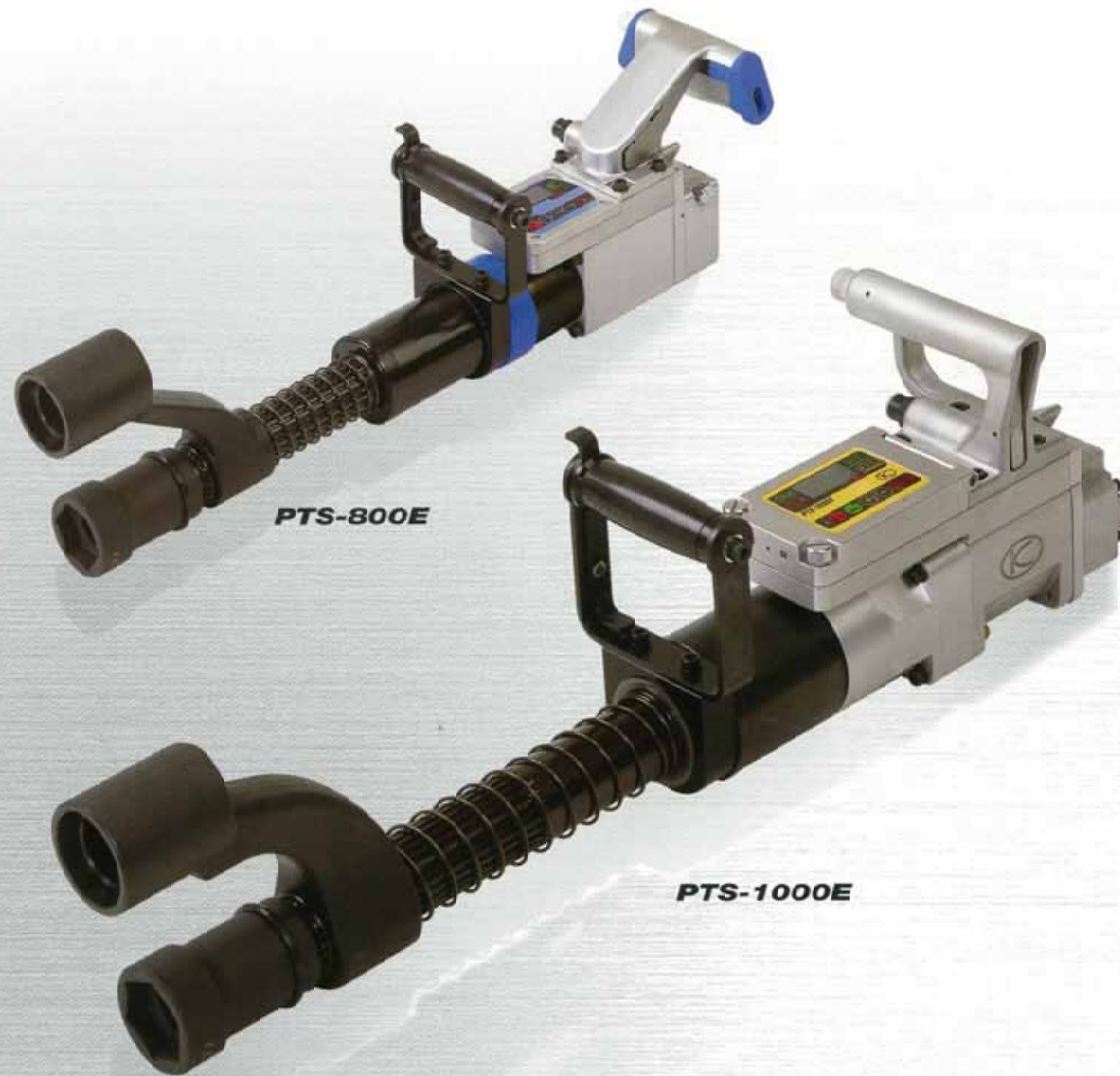


Kuken advanced fastening control tool.



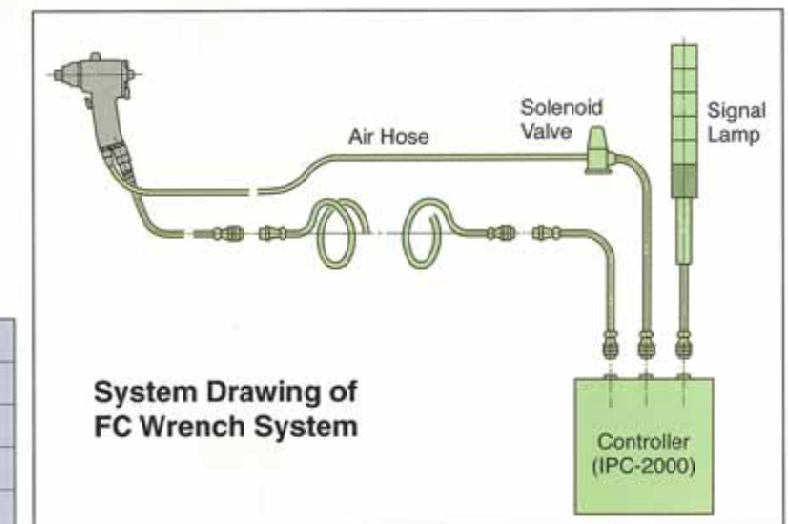
## FC (Fastening Control) Wrench System

FC Controller (IPC-10 & IPC-2000)

NEW



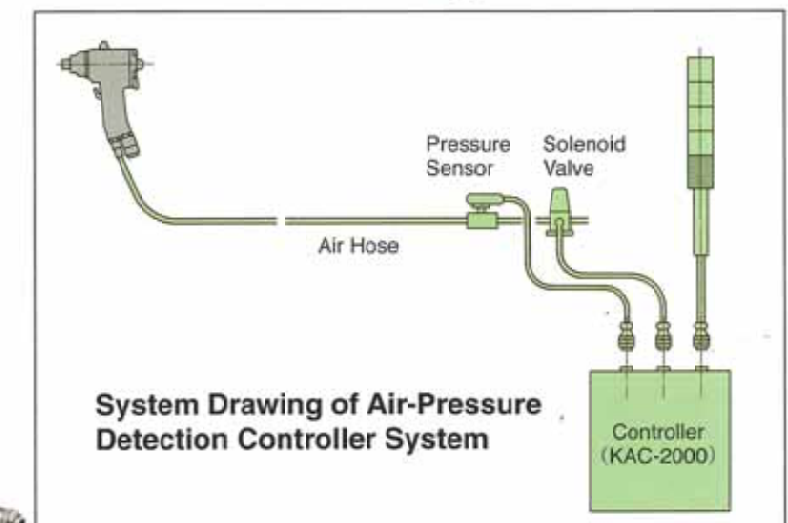
Drive size	Model	Drive size	Model
3/8"	KW-F8PX	1/2"	KW-F14HP
3/8"	KW-F8HPX	1/2"	KW-F14PI
1/2"	KW-F10PX	3/4"	KW-F20P
1/2"	KW-F12PI	3/4"	KW-F20PI



## Air-Pressure Detection Controller System

Air-Pressure Detection Controller (KAC-10 & KAC-2000)

NEW





## Air Torque Setter

Combination of ratchet wrench & torque wrench.



### FEATURES

- Torque wrench function with advanced fastening torque setting.(80~120Nm)
- ±5% Accuracy of fastening torque (ISO STANDARD)



Model	Specifications		Torque setting range		Drive size		Capacity bolt size		Free speed r.p.m.	Weight (w/o socket)		Length (w/o socket)		Air Consumption		Noise level db(A)
	N·m		in.	mm	in.	mm	in.	mm		lbs.	kg.	in.	mm	c.f.m.	m³/min	
KSE-100A	80-120		1/2	12.7	9/16	14			150	4.18	1.9	18-3/16	457	18.6	0.52	79

## Narrow Wrench

"This tool shows performance to reduce cost for setting work of crank pulley bolt."



### FEATURES

- High power 650 Nm as maximum torque.
- Enables to finish setting work of crank pulley bolt safely and in a short time without removing radiator.
- Not necessary to use the jig to avoid crank pulley turn together.
- Our own developed N-type clutch system makes the tool very small & very light.

### APPLICATIONS

- For engine timing belt replacement work of small to standard size vehicles.
- For bolt/nut setting work at narrow place.

※ Wide variety of sockets applicable for various type of motor vehicles.

Model	Specifications		Capacity bolt size		Maximum torque		Length		Weight (w/o socket)		Minimum width		Average air consumption		Hose size	
	in.	mm	in.	mm	ft-lb	Nm	in.	mm	lbs.	kg.	in.	mm	c.f.m.	m³/min.	in.	mm
KNAW-22H	7/8	22			470	650	15-3/16	385	13.8	6.3	3-3/4	96	18.7	0.58	1/2	13.0

※Performance figures are at 0.62MPa (Pe) (90P.S.I.) air pressure.

### MAIN FEATURES

- Low vibration and low noise level.
- Advanced fastening torque control system by mounted electronic controller.
- Automatically shuts off when reaches to the set torque.
- Fastening or loosening is automatically judged. Applicable for loosening work requiring high-torque. (PTS-1000E, 1000ES, 3000ES)
- One-touch modulation for both left/right-hand screw.
- Battery operation. No external power supply is required.
- 2-Step start button for safety work.(Exclude PTS-450EX)
- Ultra high-intensity white LED lamp is mounted to increase workability even in dark place.(PTS-1000E)

### APPLICATIONS

- Fasten/loosening work of wheel nut for bus or heavy truck.
- Various work for assembly / disassembly.



Model	Specifications		Set torque range		Length (w/o socket)		Weight (w/o socket)		Free rotation speed r.p.m.	Air consumption		Hose size	
	N·m		in.	mm	in.	mm	lbs.	kg.		c.f.m.	m³ (Normal) / min.	in.	mm
PTS-450EX	140~450 (Each 1N·m step)		13-15/16	354	11.6	5.3	100	13.5	0.38	1/4	6.5		
PTS-800EX	400~800 (Each 10N·m step)		18	457	14.5	6.6	95	13.5	0.38	1/4	6.5		
PTS-800E	400~800 (Each 10N·m step)		22-1/8	562	25.3	11.5	125	24.9	0.7	3/8	9.5		
PTS-800ES	400~800 (Each 10N·m step)		19-7/8	505	20.5	9.35	125	19.9	0.56	3/8	9.5		
PTS-1000E	400~1,000 (Each 10N·m step)		25	635	33.0	15.0	135	21.4	0.6	1/2	12		
PTS-1000ES	400~1,000 (Each 10N·m step)		19	485	24.4	11.1	135	21.4	0.6	1/2	12		
PTS-3000ES	1,000~3,000 (Each 10N·m step)		19-9/16	497	32.5	14.9	95	—	0.57	1/2	12		

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.



# WRENCHES

## Ultra-Light N-Type Impact Wrenches ~"Pro"Series~

■ 1/2" (12.7mm) SQ.DR.



KW-1600Spro (PAT.P)



KW-1600prol (PAT.P)



KW-1800prol (PAT.P)

### FEATURES ("Pro" Series)

- High-efficiency noise reduction structure
- High-visible resin protector

■ 3/4" (19mm) SQ.DR.



KW-2500pro



KW-2000prol (PAT.P)



■ 1" (25.4mm) SQ.DR.



KW-3800proGL (PAT.P)



KW-3800proG (PAT.P)



Specifications		Drive size	Capacity bolt size	Free speed	Impact per min.	Maximum torque	Recommended torque range	Weight (w/o socket)	Length (w/o socket)	Air consumption (Normal)	Hose size
Model		in.	in. mm	r.p.m.	i.p.m.	ft-lb Nm	ft-lb Nm	lbs. kg.	in. mm	c.f.m. m <sup>3</sup> /min.	in. mm
KW-1600Spro	1/2SQ.	5/8 16	8,000	1,500	360 490	74~244	100~330	3.2 1.46	6-1/2 165	10.7 0.30	1/4 6.3
KW-1600prol	1/2SQ.	(1/2) (12)	8,000	1,500	-	-	-	3.5 1.65	6-7/8 170	11.8 0.33	1/4 6.3
KW-1800prol	1/2SQ.	(5/8) (16)	4,500	1,000	-	-	-	6.17 2.8	8-1/2 216	13.2 0.37	5/16 8
KW-2000prol	3/4SQ.	(11/16) (18)	4,500	1,000	-	-	-	6.17 2.8	8-1/2 216	13.2 0.37	5/16 8
KW-2000P	3/4SQ.	3/4 20	5,000	1,000	610 850	108~420	150~580	6.8 3.1	7-15/16 200	14.2 0.40	5/16 8
KW-2500pro	3/4SQ.	1 25	4,500	900	880 1,150	144~725	200~980	9.2 4.2	8-5/8 219	16.0 0.45	3/8 9.5
KW-2800PA	1or 3/4SQ.	1-1/8 28	3,300	800	1,000 1,380	185~800	250~1,100	12.6 5.7	8-7/8 224	20.7 0.58	3/8 9.5
KW-3800P	1SQ.	1-1/2 38	3,700	700	1,300 1,800	216~991	300~1,370	16.3 7.4	10 254	21.4 0.60	3/8 9.5
KW-3800proG	1SQ.	1-1/2 38	4,200	800	1,300 1,800	216~991	300~1,370	14.1 6.4	14-1/8 358	21.4 0.60	3/8 9.5
KW-3800proGL	1SQ.	1-1/2 38	4,200	800	1,300 1,800	216~991	300~1,370	15.2 6.9	19-1/4 488	21.4 0.60	3/8 9.5
KW-4500P	1SQ.	1-3/4 45	3,700	700	1,980 2,450	740~1,772	1,000~2,200	22.7 10.3	10-11/16 270	27.8 0.78	1/2 13
KW-4500G	1SQ.	1-3/4 45	3,700	700	1,980 2,450	740~1,772	1,000~2,200	23.6 10.7	14-3/8 365	26.7 0.75	1/2 13
KW-4500GL	1SQ.	1-3/4 45	3,700	700	1,980 2,450	740~1,772	1,000~2,200	25.5 11.6	20-15/16 531	26.7 0.75	1/2 13
KW-5000G	1.1/2SQ.	2 50	3,000	600	2,600 3,500	740~2,370	1,000~3,200	35.2 16.0	18-11/16 473	29.2 0.82	1/2 13

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

● "No. 5 Spline" drive is available for all 1" SQ. DR. models.

# SAWS & CHISELERS

## Air Saw "We provide you excellent working performance for various cutting and filing down works."

■ Compact size, light weight & high-speed model for easy handling. ■ High-power & low vibration model.(Mounted regulator)

KS-22



KS-35



Our unique functions:  
(KS-35) PAT.P

- No stop stroke length adjustable function.
- Adjustable holder prevent run-out of saw blade.
- Durability for long hours heavy load work.
- High-power applicable for automotive flame or pillar.

### FEATURES

- Applicable for various works by changing saw blade.
- 5mm dia. file can be installed.
- Noise reduction exhaust hose avoids dust flying and improve working environment.

### APPLICATIONS

- For various cutting works of automotive maintenance & sheet-metal.
- For cutting work of various materials, such as aluminum, plastic & wood.
- For filing-down works of deburring or chamfering after drilled.

Specifications	Cutting capacity		Reciprocating speed		Net weight		Overall length		Air consumption (Normal)		Hose size	
	mm (Thickness)		f.p.m.		lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KS-22	1~3		11,000		1.32	0.60	9-5/16	232	7.1	0.20	1/4	6.3
KS-35	1~3.2		5,300~6,000		2.42	1.10	9	228	6.7	0.19	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

## Air Chiseler

■ 2-Steps Trigger Type

"Easy aiming with slow-starting and ergonomic design grip for easier use."

BRH-6K



BRH-8K



### FEATURES

- Compact, light weight and high power.
- Simple structure for less trouble.
- Easy use even narrow place.
- Mounted regulator. (BRH-8)

### APPLICATIONS

- For automotive maintenance & sheet metal works.
- For abrasion & cutting works.
- For removing rivet & bushing.
- For paring work.

## Needle Scaler

KNT-2S

NEW



KNT-3



For abrasion work at irregular surface.

### FEATURES

- High-speed, high-power & smooth operation.
- Vibration reduction & cold protection grip.
- Slim & advanced design.

### APPLICATIONS

- For various abrasion works.
- For removing spatter or slag after welding.

Specifications		Impact per min.	Chisel shank opening		Net weight		Height		Overall length		Air consumption (Normal)		Hose size	
Model		i.p.m.	in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
BRH-6K		1,800	3/8	10.2	2.9	1.33	6-3/8	162	7-3/4	186	10.0	0.28	1/4	6.3
BRH-8K		1,500	1/2	12.7	4.7	2.18	7-5/16	185	8	200	11.4	0.32	1/4	6.3
KNT-2S		4,000	1/8X12pc	3X12pc	2.65	1.2	-	-	8-1/4	210	5.3	0.15	1/4	6.3
KNT-3		4,200	1/8X19pc	3X19pc	5.7	2.6	6-11/16	170	13	330	4.6	0.13	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.



## Air Drill

"Our product lineup meets various drilling works and proves high working efficiency."

### Standard Type

Drill capacity:  
6mm (1/4")

**KDR-601**

Drill capacity:  
8mm (5/16")

**KDR-801**

Easy speed control with tenacious motor and mounted regulator.

### Normal/Reverse Rotation Type

Drill capacity:  
10mm (3/8")

**KDR-901R**

Drill capacity:  
10mm (3/8")

**KDR-901R**  
(Keyless chuck type)

Normal/reverse rotation drill meets wide range of works.

Drill capacity:  
10mm (3/8")

**KDR-902CR**

### Screw size of fixing drill chuck

**KDR-601,801,901R,902CR**  
.....3/8"-24 thread UNF  
**KDR-1301**  
.....1/2"-20 thread UNF

### High-Power Type

Drill capacity:  
13mm (9/16")

**KDR-1301**

### FEATURES

- Compact & high-power for easy use.
- Silent exhaust sound by noise reduction system.
- Easy speed control.

### APPLICATIONS

- For drilling work of 6mm to 13mm.
- For automotive sheet-metal & repairing work.
- For all drilling works of small diameter.

Specifications	Drilling Capacity		Free speed	Length (w/chuck)		Height		Weight (w/chuck)		Air consumption (Normal)		Hose size	
	in.	mm	r.p.m.	in.	mm	in.	mm	lbs.	kg.	c.f.m.	m <sup>3</sup> /min.	in.	mm
KDR-601	1/4	6	2,100	6-1/4	158	7-1/8	180	2.4	1.10	11.4	0.32	1/4	6.3
KDR-801	5/16	8	1,500	6-11/16	170	7-1/8	180	2.5	1.12	11.4	0.32	1/4	6.3
KDR-901R	3/8	10	1,800	6-9/16	167	5-13/16	148	2.6	1.18	18.5	0.52	1/4	6.3
KDR-902CR	3/8	10	1,500	8-1/16	205	3-5/16	84	2.6	1.16	15.3	0.43	1/4	6.3
KDR-1301	9/16	13	700	10-5/16	262	6-5/16	160	5.5	2.52	19.6	0.55	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

### 3/4"(19mm) SQ.DR.

**KW-2000P**

**KW-2800PA**

### 1"(25.4mm) SQ.DR.

**KW-3800P**

**KW-4500P**

**KW-4500GL**

**KW-4500G**

### FEATURES

Our own developed N-type clutch system resolved all the weakness of conventional impact wrench.

- Stable stroke**..... Improved uneven stroke which conventional tool has.
- Compact & light weight**..... Much compact size compare with conventional tool and less air consumption too.
- Stabled lubrication function**..... Grease doesn't fly off from necessary portion.
- Better durability**..... No jumping action of part like conventional wrench. Torque power doesn't deteriorate for a long period.

### APPLICATIONS

#### 1/2"(12.7mm) SQ. Drive

- Tyre setting work for passenger vehicle.
- U-bolt setting work.
- Assembly/disassembly works for engine or underbody.

#### 3/4"(19mm) SQ. Drive

- Tyre or U-bolt setting work for small trucks.
- Engine maintenance work for heavy truck.
- Assembly work of bridge/steel-frame building.

#### 1"(25.4mm) & 1.1/2"(38mm) SQ. Drive

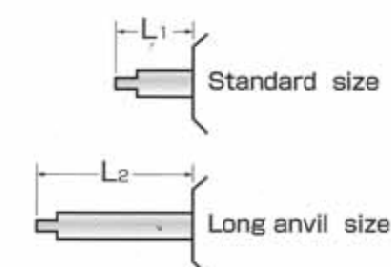
- U-bolt setting work for medium/large truck.
- Tyre setting work of heavy truck or bus.
- Assembly/disassembly work of construction machinery and dozer.

### 1.1/2"(38mm) SQ.DR.

**KW-5000G**

Model	L1 Size	L2 Size	Handle Type	REMARKS
KW-1600Spro	20mm(25/32")	61mm(2-13/32")	Pistol	
KW-2000P	28mm(1-7/64")	77mm(3-1/32")	Pistol	
KW-2500pro	32mm(1-17/64")	110mm(4-11/32")	Pistol	
KW-2800PA	32mm(1-17/64")	104mm(4-3/32")	Pistol	1"or 3/4"SQ. available.
KW-3800P	34mm(1-11/32")	120mm(4-23/32")	Pistol	
KW-3800proG	37mm(1-15/32")	—	Grip	Inside/outside trigger available.
KW-3800proGL	—	169mm(6-21/32")	Grip	Inside/outside trigger available.
KW-4500P	37mm(1-15/32")	120mm(4-23/32")	Pistol	
KW-4500G	37mm(1-15/32")	—	Grip	Inside/outside trigger available.
KW-4500GL	—	203mm(8")	Grip	Inside/outside trigger available.
KW-5000G	55mm(2-5/32")	—	Grip	Inside/outside trigger available.

### ANVIL PROJECTION SIZES





## Small Size Impact Wrenches

"Suitable for small dia. screw work, such as maintenance work around the engine."

■ 1/4" (6.35mm) HEX. DR. (Impact Driver)

NEW

KW-50

For Hard Joint

KW-50H

For Soft Joint

NEW

KW-50S

For Super Soft Joint

■ 3/8" (9.5mm) SQ. DR.

KW-5P

KW-7P

KW-8P

KW-12

### APPLICATIONS

1/4" (6.35mm) HEX. DR. / 3/8" (9.5mm) SQ. DR.

- Fastening work of small dia. bolt, nut, screw, nail, tapping screw below 8mm.
- Screw setting work for motorbike and light vehicle.
- Assembly/disassembly work of small engine.
- Disassembly/fixing work of fender, bumper and interior.

Specifications	Capacity bolt size		Spindle type	Handle style	Clutch mechanism	Free speed	Impact per min.	Weight (w/o bit/socket)		Length (w/o bit/socket)		Air consumption (Normal)		Hose size	
	in.	mm				r.p.m.	i.p.m.	lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
Model															
KW-50	3/16	5	Internal 1/4" Hex.	Straight	Double blow	10,500	3,000	1.76	0.8	7-1/4	184	7.1	0.20	1/4	6.3
KW-50H	3/16	5	Internal 1/4" Hex.	Straight	Double blow	10,500	3,000	1.76	0.8	7-3/16	183	7.1	0.20	1/4	6.3
KW-50S	3/16	5	Internal 1/4" Hex.	Straight	Double blow	10,500	3,000	1.76	0.8	7-1/4	184	7.1	0.20	1/4	6.3
KW-5PD	3/16	5	Internal 1/4" Hex.	Pistol	Double blow	8,500	3,000	1.65	0.75	6-3/16	157	5.7	0.16	1/4	6.3
KW-7PD	5/16	8	Internal 1/4" Hex.	Pistol	Double blow	8,800	2,500	2.09	0.95	5-15/16	150	10.6	0.30	1/4	6.3
KW-5P	3/16	5	3/8" Sq. Dr.	Pistol	Double blow	8,500	3,000	1.80	0.83	6-3/16	157	7.1	0.20	1/4	6.3
KW-7P	5/16	8	3/8" Sq. Dr.	Pistol	Double blow	8,800	2,500	2.09	0.95	5-11/16	145	10.6	0.30	1/4	6.3
KW-8P	5/16	8	3/8" Sq. Dr.	Pistol	Double blow	6,500	2,200	2.75	1.25	5-3/16	132	10.0	0.28	1/4	6.3
KW-12	1/2	12	3/8" Sq. Dr.	Pistol	Pin type	9,000	2,200	3.40	1.60	6-1/4	158	12.3	0.35	1/4	6.3

※ Performance figures are at 0.62 MPa (Pe) (90 P.S.I.) air pressure.

## Angle Grinder

"For grinding and deburring work of various metals."

AG-40A (Lever Type)

AG-40AG (Grip Type)

AG-70A (Lever Type)

AG-70AG (Grip Type)

KAG-40A (Lever Type)

KAG-40AG (Grip Type)

Model	Grinding stone size (Outer diameter × Inner diameter)		Free speed	Net weight (without Grinding Stone)		Overall length (without Grinding Stone)		Air consumption (normal)		Hose size	
	in.	mm	r.p.m.	lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
AG-40A	3-15/16 × 5/8	100 × 16	12,000	3.96	1.8	9-1/16	230	12.4	0.35	1/4	6.3
AG-40AG	3-15/16 × 5/8	100 × 16	12,000	3.96	1.8	9-1/16	230	15.6	0.44	1/4	6.3
AG-70A	7-1/16 × 7/8	180 × 22	6,500	7.48	3.4	12-9/16	320	24.9	0.70	3/8	9.5
AG-70AG	7-1/16 × 7/8	180 × 22	7,500	7.26	3.3	10-5/8	270	24.9	0.70	3/8	9.5
KAG-40A	3-15/16 × 5/8	100 × 16	12,000	2.20	1.0	7-1/2	190	12.4	0.35	1/4	6.3
KAG-40AG	3-15/16 × 5/8	100 × 16	12,000	1.98	0.9	7-5/8	194	12.4	0.35	1/4	6.3

※ Performance figures are at 0.62 MPa (Pe) (90 P.S.I.) air pressure.



## Straight Grinder

## APPLICATIONS

- For chamfering or deburring work of processing surface.
- For removing work of body stripe & double-faced tape for automotive. (KG-25 Eraser Type)
- For tyre repairing work of large vehicle.

KG-10



KG-11 (Lever Type)

NEW



KG-11G (Grip Type)

NEW



KG-11L (Lever Type)

NEW



KG-11LG (Grip Type)

NEW



KG-25T (Tyre Buff Type)



KG-25 (Eraser Type)



Model	Collet size		Free speed r.p.m.	Eraser size (KG-25 only)		Net weight		Overall length		Air consumption		Hose size	
	in.(option)	mm		in.	mm	lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KG-10	1/8 or 1/4	3 or 6	25,000			0.77	0.35	5-7/8	150	13.5	0.38	1/4	6.3
KG-11	1/8 or 1/4	3 or 6	19,000			1.43	0.65	6-1/2	166	16.0	0.45	1/4	6.3
KG-11G	1/8 or 1/4	3 or 6	21,000			1.45	0.66	7-3/4	176	16.0	0.45	1/4	6.3
KG-11L	1/8 or 1/4	3 or 6	18,000			2.43	1.10	12-9/16	320	16.0	0.45	1/4	6.3
KG-11LG	1/8 or 1/4	3 or 6	18,000			2.47	1.12	13-3/16	335	16.0	0.45	1/4	6.3
KG-25	1/4	6	3,000	3-7/16	88.0	1.63	0.74	7-7/8	203	16.0	0.45	1/4	6.3
KG-25T	MAX.5/16	MAX.8	3,000			1.83	0.83	8	201	16.0	0.45	1/4	6.3

※ Performance figures are at 0.62 MPa (Pe) (90 P.S.I.) air pressure.

## Middle-Size Impact Wrench

Suitable for tyre setting work of light & passenger vehicle and used for wide range of applications at automotive maintenance shops and tyre shops.

1/2"(12.7mm) SQ.DR.

KW-140P



KW-18HP



KW-19HP

KW-19X



KW-14HP



KW-20GI-6

3/4"(19mm) SQ.DR.

KW-20P



KW-230P



KW-20PI



## APPLICATIONS

1/2"(12.7mm) SQ.DR.

- Tyre setting work of light car & passenger vehicle.
- Disassembly/assembly work for engine or underbody.
- Setting work for U-bolt.

3/4"(19mm) SQ.DR.

- Tyre & U-bolt setting work of small truck.
- Maintenance work for engine of heavy truck.
- Assembly/disassembly work of construction.

## PROJECTION SIZE OF ANVIL

Model	L <sub>1</sub> Size	L <sub>2</sub> Size
KW-14HP	21mm	52mm (2")
KW-18HP	24mm	78mm (2")
KW-19HP	25mm	75mm (2")
KW-140P	30mm	53mm (2")
KW-20P	37mm	73mm (2")
KW-20PI	33mm	69mm (2")
KW-20GI	31mm	169mm (6")
KW-230P	28.5mm	64.5mm (2")

Specifications	Drive size		Capacity bolt size		Free speed r.p.m.	Impact per min. i.p.m.	Weight (w/o socket)		Length (w/o socket)		Air consumption (Normal)		Hose size	
	in.	mm	in.	mm			lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
Model														
KW-14HP			5/8	16	6,300	1,200	6.2	2.8	7-13/16	198	12.5	0.35	1/4	6.3
KW-18HP			11/16	18	7,400	1,200	5.5	2.5	7-1/16	180	13.9	0.39	1/4	6.3
KW-19HP	1/2	12.7	11/16	18	6,000	1,200	5.2	2.4	7	178	14.3	0.40	1/4	6.3
KW-19X			11/16	18	6,800	1,200	4.2	1.9	7-13/16	197	14.3	0.40	1/4	6.3
KW-140P			9/16	14	6,500	1,200	5.6	2.3	7-5/16	185	10.7	0.30	1/4	6.3
KW-20P			3/4	20	4,500	1,080	9.2	4.2	9-1/2	241	16.7	0.47	3/8	9.5
KW-20PI			7/8	22	3,800	1,100	13.6	6.2	10	253	21.4	0.60	3/8	9.5
KW-20GI	3/4	19.0	7/8	22	3,800	1,110	13.9	6.3	13-5/16	338	21.4	0.60	3/8	9.5
KW-230P			7/8	22	4,300	950	8.8	4.0	8-1/2	216	16.8	0.47	3/8	9.5

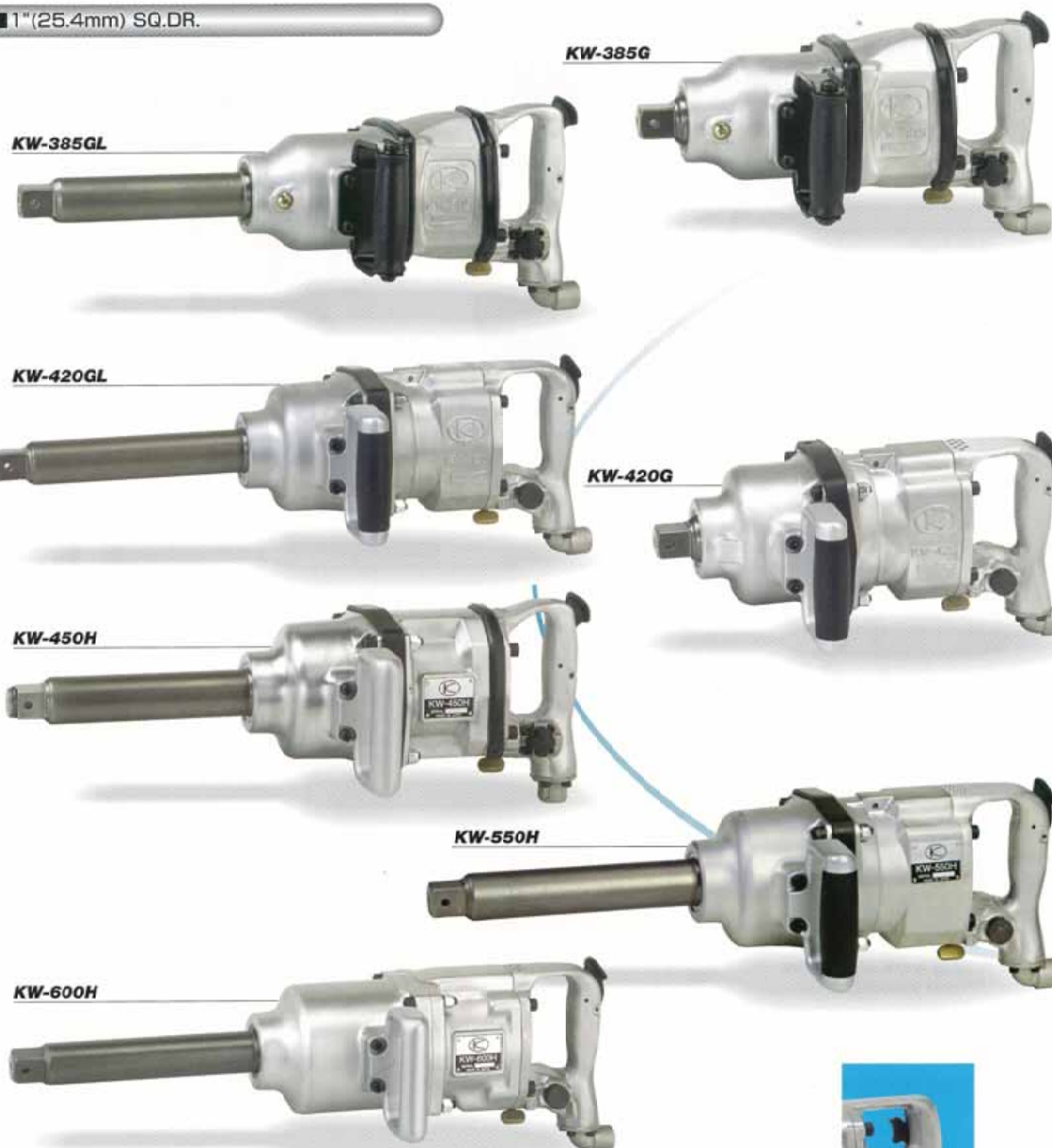
※ Performance figures are at 0.62 MPa (Pe) (90 P.S.I.) air pressure.



## Large-Size Impact Wrench

It proves its excellent performance for tyre setting work of heavy truck.

■ 1" (25.4mm) SQ.DR.



### APPLICATIONS

- Tyre setting work of heavy vehicle.
- Overhaul & assembly work of construction machinery and bulldozer.
- U-bolt setting work of heavy vehicle.



Inside trigger available.

## Polisher "A tool take on double duties, sander and polisher."

DSP-603  
Polisher Type



DSP-603 Sander Type

### FEATURES

- Compact size, light weight and also high power.
- Very silent.
- V-shaped grip for easy use.

### APPLICATIONS

- For automotive sheet metal or coating works.
- Polisher type...for gradation/compound works.
- Sander type...for paint removing work.

Model	Pad size		Free speed r.p.m.	Net weight (with pad)		Overall length (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
DSP-603	5	125	1,800	2.4	1.1	10-7/8	277	14.3	0.40	1/4	6.3
	6	150									

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

## Glass Polisher

SAM-41GP



### FEATURES

- Compact size & ultra light weight.
- Low noise & low vibration.
- Water resistant design.

### APPLICATIONS

- For removing oil film and coating agent of automotive windshield.
- For applying work of coating agent.

Model	Pad size		Free speed r.p.m.	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
SAM-41GP	2-7/8X3-5/16	73X100	10,000	1/8	3.0	1.54	0.70	6-1/8	153	2-13/16	72	7.1	0.20	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

## Wax Polisher

PACS-7A



PM-045



### FEATURES

- Smooth decentering action makes the wax coating work even and easy.
- Mounted noise reduction system. And rotation speed can be modulated easily.
- Compact size, light weight and low vibration for easy work.
- Easy gripping and comfortable to your hand.
- The mounted silencer reduces the noise level.

Model	Pad size		Free speed r.p.m.	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
PACS-7A	6	150	7,500	3/8	5.0	3.54	1.61	11-1/2	287	4-1/8	105	17.1	0.48	1/4	6.3
PM-045	4-3/8	108	9,500	3/8	5.0	2.2	1.0	6-3/16	157	3-3/4	94	13.5	0.38	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.



## Belt Sander

"For sanding work at narrow place or cutting work of various materials."



### FEATURES

- Arm angle can be adjusted freely according to your working purpose.
- Mounted noise reduction system.
- Adopted rubber grip for vibration reduction and cold protection.
- Safety design to protect users.

### APPLICATIONS

- For automotive sheet-metal work.
- For grinding work of spot welding.
- For chamfering and deburring works of iron, aluminum, wood, FRP, diecasting and casting products.

Model	Belt size		Free Speed	Belt speed	Net weight		Overall length		Width *include grip		Air consumption (Normal)		Hose size	
	in.	mm	r.p.m.	m/min.	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KBS-10	3/8X12-3/4	10X330	18,000	1,200	1.98	0.90	12-3/4	330	3-3/8	85	16.0	0.45	1/4	6.3
KBS-12	1/2X12-3/4	12X330	16,000	1,360	1.84	0.84	11-1/2	287	3-1/16	82	12.1	0.34	1/4	6.3
KBS-20	25/32X20-15/32	20X520	14,000	2,200	3.39	1.54	16-11/16	424	*8-1/32	*204	16.4	0.46	1/4	6.3

※Performance figures are at 0.62 MPa(Pa) (90 P.S.I.) air pressure.

## Straight Sander

"It proves performance for the works of line, flat surface and reverse "R"-portion.



### APPLICATIONS

- Sanding work like hand work.
- Compact size, light weight and low barycentered design.
- Low-vibration/low-noise.
- High dust-collection performance.

### FEATURES

- Rotatable handle enables to change direction of pad.
- Able to grind even the edge.
- Optional pad adaptor expands more applications.

Model	Pad size		Stroke speed	Stroke length		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm	st/min.	in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KST-7S	2-61/64X6-57/64	75X175	7,000	1/4	6	2.86	1.3	11-1/8	282	3-1/2	87	9.0	0.25	1/4	6.3
KST-355	1-3/8X8-21/32	35X220	5,500	3/16	5	3.08	1.4	7-1/2	190	3-15/16	100	16.0	0.45	1/4	6.3

※Performance figures are at 0.62 MPa(Pa) (90 P.S.I.) air pressure.

KW-45GL



KW-45G



KW-500H



KW-500HG



KW-380P



KW-40P



Specifications Model	Drive size		Capacity bolt size		Free speed	Impact per min.	Weight (w/o socket)		Length (w/o socket)		Air consumption (Normal)		Hose size	
	in.	mm	in.	mm	r.p.m.	i.p.m.	lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KW-385GL			1-1/2	38	4,000	700	21.8	9.9	20-1/16	510	25.7	0.72	1/2	12.7
KW-385G			1-1/2	38	4,000	700	20.2	9.2	13-13/16	350	25.7	0.72	1/2	12.7
KW-420GL			1-5/8	42	3,000	600	31.0	14.1	22-2/3	575	29.2	0.82	1/2	12.7
KW-420G			1-5/8	42	3,000	600	28.8	13.1	14-15/16	379	29.2	0.82	1/2	12.7
KW-450H			1-9/16	40	3,300	450	27.6	12.6	21-1/16	534	29.2	0.82	1/2	12.7
KW-550H			1-3/4	45	4,000	600	31.2	14.2	22-5/8	574	29.2	0.82	1/2	12.7
KW-600H	1	25.4	2	50	2,300	480	35.0	15.8	23-5/8	599	31.7	0.90	1/2	12.7
KW-45GL			1-3/4	45	3,000	600	36.7	16.7	22-7/8	580	26.7	0.75	1/2	12.7
KW-45G			1-3/4	45	3,000	600	33.7	15.3	16-1/4	413	26.7	0.75	1/2	12.7
KW-500H			2	50	3,000	600	36.7	16.7	22-7/8	580	27.9	0.79	1/2	12.7
KW-500HG			2	50	3,000	600	33.7	15.3	16-1/4	413	27.9	0.79	1/2	12.7
KW-380P			1-1/2	38	3,200	700	21.1	9.6	10-3/8	263	25.7	0.72	1/2	12.7
KW-40P			1-9/16	40	2,100	550	27.5	12.5	11-15/16	304	26.7	0.75	1/2	12.7

※Performance figures are at 0.62MPa (Pe) (90P.S.I.) air pressure.



## Ultra Large-Size Impact Wrench

It proves its excellent performance for construction machinery etc.

■ 1" & 1.1/2" (25.4mm & 38mm) SQ.DR.



KW-45F



KW-45FS



KW-75F

### APPLICATIONS

- Overhaul work of construction machinery and bulldozer.
- Ship-building & plant construction work.



Inside trigger available.

Specifications	Drive size		Capacity bolt size		Free speed	Impact per min.	Weight (w/o socket)		Length (w/o socket)		Air consumption (Normal)		Hose size	
	in.	mm	in.	mm	r.p.m.	i.p.m.	lbs.	kg	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
Model KW-45F-1	1	25.4	1-3/4	45	2,800	550	38.7	17.6	18	457	30.3	0.85	1/2	12.7
KW-45F	1-1/2	38	1-3/4	45	2,800	550	38.7	17.6	18	457	30.3	0.85	1/2	12.7
KW-45FS	#5SP		1-3/4	45	2,800	550	37.8	17.2	18	457	30.3	0.85	1/2	12.7
KW-75F	1-1/2	38	3	75	2,000	350	83.8	38.1	23-3/4	602	32.0	0.90	3/4	19.0

※Performance figures are at 0.62MPa (Pe) (90P.S.I.) air pressure.

## Disc Sander

"Suitable for paint removing work."



DS-4

### FEATURES

- Compact, light weight & easy use.
- Simple structure, toughness & less trouble.
- Easy replacement of sand-paper.

Model	Pad size		Free speed	Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm	r.p.m.	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
DS-4	5	125	13,000	2.10	0.96	6-5/32	156	3-5/8	93	15.3	0.43	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

## Random Single Sander



DAC-05AI

### FEATURES

- One kind of sand-paper applicable from film removing to edging work.
- Reduced specific reaction of single rotation.
- Adopted tenacious high-power motor.
- Adopted reinforced resin housing not to conduct you coldness of exhaust air.

Model	Pad size		Free speed	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm	r.p.m.	in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
DAC-05AI	5	125	8,800	3/8	10	3.2	1.45	9-41/64	245	4-1/16	104	20.0	0.58	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.

## Multi Mini Sander

"One touch modulation from single rotation to dual-action."



MRS-35

### FEATURES

- Small size and light weighted palm type.
- Backward exhaust function to avoid swarf flying.
- 72mm Pad and small head enable to see the sanding face.
- High quality standard accessories expand sanding applications.
- Mounted regulator for easy rotation control at hand.

### ■ Sanding Work

### ■ Polishing Work

- Paint removing work by single action.
- Polishing work with woolen buff by single action.
- For R-portion of pillar or fender, bumper and aero part.
- Feather edging work by dual action.
- Finishing work with sponge pad by dual action after woolen buffing.
- For spot removing polish.

Model	Pad size		Free speed	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm	r.p.m.	in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
MRS-35	3	75	6,000	3/8	5	1.80	0.82	8-1/32	204	3-25/64	86	16.0	0.45	1/4	6.3

※Performance figures are at 0.62 MPa(Pe) (90 P.S.I.) air pressure.



## Orbital Sander Series



SAM-41



SAM-41S



SAT-7S

## FEATURES

- Compact & ultra light weight.
- Low-noise & low-vibration.
- Comfortable grip to your hand.

## FEATURES

- Light weight, compact & easy use even in long hours work.
- Excellent sanding speed enables to improve your working efficiency.

Model	Pad size		Free speed r.p.m.	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
SAM-41			10,000	1/8	3.0	1.54	0.70	6-1/8	153	2-13/16	72	7.1	0.20	1/4	6.3
SAM-41S	2-7/8X3-5/16	75X110	10,000	1/8	3.0	1.54	0.70	7	176			7.1	0.20	1/4	6.3
SAT-7S	3-15/16X7-1/8	100X180	7,000	1/4	7.0	4.8	2.2	12-1/2	310	4-11/16	119	16.0	0.45	1/4	6.3

\*Performance figures are at 0.62 MPa(Pa) (90 P.S.I.) air pressure.

## Middle-Size Oil Bath Impact Wrench

It proves its excellent performance for construction machinery etc.

3/4"(19mm) SQ.DR.



KW-L17GV



KW-L17G



KW-L20G

## FEATURES

- Powerful with Double Hammer Oil Bath clutch for heavy duty works.
- Improvement of Ergonomic design Anti-Vibration. (KW-L17GV)

## APPLICATIONS

- Concrete industry.
- Construction industry.

Specifications Model	Drive size		Capacity bolt size		Free speed r.p.m.	Impact per min. l.p.m.	Weight (w/o socket)		Length (w/o socket)		Air consumption (Normal)		Hose size	
	in.	mm	in.	mm			lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KW-L17G			3/4	19	6,500	—	11.8	5.4	12-5/16	312				
KW-L17GV	3/4	19.0	3/4	19	6,500	—	13.9	6.3	14-7/8	378	21.4	0.60	3/8	12
KW-L20G			7/8	22	4,500	—	15.8	7.2	13-3/16	334				

\*Performance figures are at 0.62MPa (Pa) (90P.S.I.) air pressure.

## Air Ratchet Wrench

"For fastening work at narrow place."

3/8"(9.5mm) / 1/2"(12.7mm) SQ.DR.



KR-133A



KR-153

KR-183

## FEATURES

- Compact size and light weight for efficient use even narrow place.
- It will not fasten the screw too tightly and damage.
- Five times working efficiency comparing with manual work.

## APPLICATIONS

- For screw fastening work smaller than 10mm.
- For setting work of ignition plug, oil pan, water pump and air conditioner of automobile.
- For automobile sheet metal work.

Specifications Model	Drive size		Capacity bolt size		Free speed r.p.m.	Weight (w/o socket)		Length (w/o socket)		Air consumption (Normal)		Hose size	
	in.	mm	in.	mm		lbs.	kg.	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
KR-133A	3/8	9.5	3/8	10	300	1.14	0.52	6-7/8	170	8.9	0.25	1/4	6.3
KR-153	3/8	9.5	3/8	10	160	2.00	0.95	11-1/4	285	8.9	0.25	1/4	6.3
KR-183	1/2	12.7	3/8	10	160	2.53	1.15	10-1/2	263	8.9	0.25	1/4	6.3

\*Performance figures are at 0.62MPa (Pa) (90P.S.I.) air pressure.



## Dual Action Sander (Palm Type) Series

Suitable for final-finish sanding.



### APPLICATIONS

- For surface sanding.
- For rough sanding of panel coating.
- For adjustment of rough surface.

Suitable for finish sanding.



### APPLICATIONS

- For feather-edging work.
- For putty sanding.
- For rough sanding for whole painting.
- For applicable for all kinds of sanding works.

Suitable for high-efficiency sanding work.



### APPLICATIONS

- Small-size and light weight, usable even for long hours work.
- For paint removing, rust removing and deburring of welding.
- For sanding work and baking finish of metal.
- Widely applied from general industry to aircraft industry.

Model	Pad size		Free speed r.p.m.	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
DAM-0531	5	125	9,500	1/8	3	2.31	1.05	6-9/16	166	3-3/4	95	13.5	0.38	1/4	6.3
DAM-053S	5	125	9,500	1/8	3	2.31	1.05	7-3/16	183	3-3/4	95	13.5	0.38	1/4	6.3
DAM-053	6	150	9,500	1/8	3	2.31	1.05	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3
DAM-063S	6	150	9,500	1/8	3	2.31	1.05	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3
DAM-055	5	125	9,500	3/16	5	2.31	1.05	7-5/16	186	3-3/4	95	13.5	0.38	1/4	6.3
DAM-055S	5	125	9,500	3/16	5	2.31	1.05	7-3/16	182	3-3/4	95	13.5	0.38	1/4	6.3
DAM-065	6	150	9,500	3/16	5	2.31	1.05	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3
DAM-065S	6	150	9,500	3/16	5	2.31	1.05	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3
DAM-05A	5	125	9,500	3/8	10	2.33	1.06	7-3/16	183	3-3/4	95	13.5	0.38	1/4	6.3
DAM-05AS	5	125	9,500	3/8	10	2.33	1.06	7-1/16	180	3-3/4	95	13.5	0.38	1/4	6.3
DAM-06A	6	150	9,500	3/8	10	2.33	1.06	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3
DAM-06AS	6	150	9,500	3/8	10	2.33	1.06	7-5/8	193	3-3/4	95	13.5	0.38	1/4	6.3

※Performance figures are at 0.62MPa (Pe) (90P.S.I.) air pressure.

## Dual Action Sander Series "Easy handling professional tool even for beginner."

### FEATURES

- Small size and light weight for easy work.
- Low barycentered design for better balance and stability.
- Low vibration will not make you tired even long hours work.
- Dust collection system has high performance.

### APPLICATIONS

- Applicable for wide range of applications.
- For paint removing and feather-edging.
- For rough sanding of whole painting.
- For putty sanding work.
- It proves performance for general works also.



### APPLICATIONS

- For wide range of paint removing works.
- For rough sanding of sheet-metal puttying.
- For sanding of welded point and rust removing work.
- It increases your working efficiency.

Model	Pad size		Free speed r.p.m.	Orbital diameter		Net weight (with pad)		Overall length (with pad)		Height (with pad)		Air consumption (Normal)		Hose size	
	in.	mm		in.	mm	lbs.	kg.	in.	mm	in.	mm	c.f.m.	m <sup>3</sup> /min.	in.	mm
DAC-056	5	125	7,500	1/4	6	3.1	1.45	9-3/4	247	4-1/16	104	19.5	0.55	1/4	6.3
DAC-056S	5	125	7,500	1/4	6	3.1	1.45	9-9/16	243	4-1/16	104	19.5	0.55	1/4	6.3
DAC-066	6	150	7,500	1/4	6	3.1	1.45	10-3/16	259	4-1/16	104	19.5	0.55	1/4	6.3
DAC-066S	6	150	7,500	1/4	6	3.1	1.45	10-11/16	256	4-1/16	104	19.5	0.55	1/4	6.3
DAC-05A	5	125	9,000	3/8	10	3.2	1.46	9-11/16	245	4-1/16	103	20.0	0.58	1/4	6.3
DAC-05AS	5	125	9,000	3/8	10	3.2	1.48	9-1/2	241	4-1/16	103	20.0	0.58	1/4	6.3
DAC-06A	6	150	9,000	3/8	10	3.2	1.46	9-3/4	247	4-1/16	103	20.0	0.58	1/4	6.3
DAC-06AS	6	150	9,000	3/8	10	3.2	1.48	9-5/8	244	4-1/16	103	20.0	0.58	1/4	6.3

※Performance figures are at 0.62MPa (Pe) (90P.S.I.) air pressure.