



2018 - 2019
INDUSTRIAL PRODUCT CATALOGUE



POWER[®] CRAFT

BETTER THROUGH THE YEARS!

1994-1998

Distribution of Emerson Benchtop machines.

2000

Pioneered self-branding OEM for drill press from Emerson supplier.

2001

Began OEM for welding machines & air compressors.

2003

Began OEM for powertools accessories.

2007

Introduction of inverter welding technology into Philippines.

2012

Introduction of premium quality welding machines & partnered with HYL.

2015++

Further improvement & devt. of quality products.



A PIONEER INDUSTRY...

Powercraft is the brainchild of Elektro Werk Inc. president, Mr. James Tan. It is an OEM (Original Emblem Manufacturing) of industrial tools coming from different manufacturers worldwide to cater to the local Philippine market demand. Professional users from industries such as Construction, Steel Fabrication, Automotive, Manufacturing, Woodworking and many more are its main customer base.

A Quality Tools From Us company establishes a strong relationship with its customers; that is focused on total service package concept. Truly serves and glorifies God in all its activities through the competence and dedication of its people.



**elektro
Werk**
INCORPORATED

www.toolsfromus.com

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Get that power!

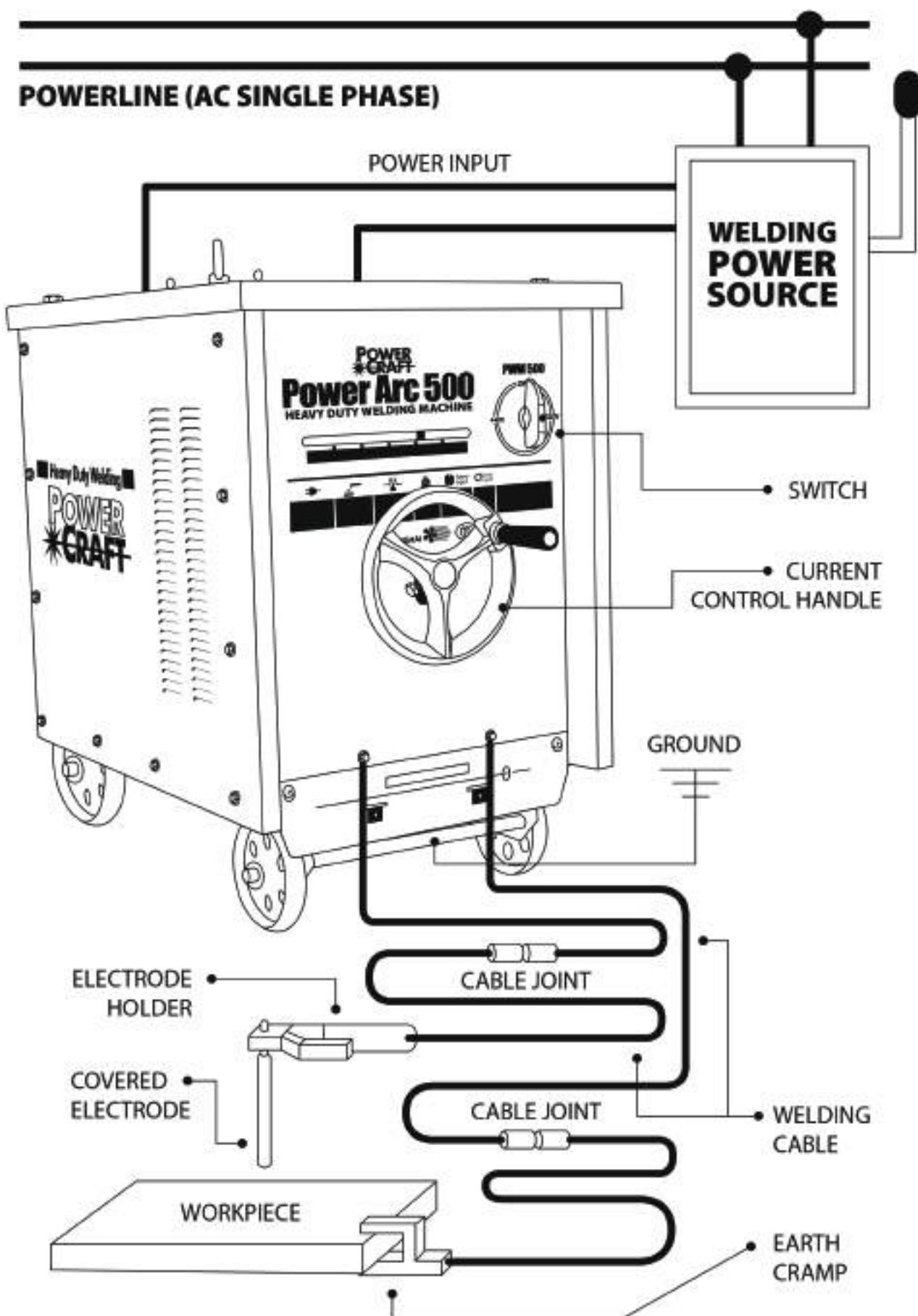
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POWER
CRAFT



ARC WELDING (SMAW)

ARC WELDING



ARC WELDING



PWM6-200B

PWM6-300B

PWM 315 AL

PWM 500 AL

	PORTABLE		ALUMINUM COIL	
	PWM6-200B	PWM6-300B	PWM 315 AL	PWM 500 AL
Rated Input Voltage	V	220/440	220/440	220/440
Rated Frequency	Hz	60	60	60
Rated Input Capacity	KVA	9.8	15.5	23.5
No Load Elect. Voltage	V	7.8	55	76
Rated Duty Cycle	%	20	20	35
Rated Load Elect. Voltage	V	26	30	32
Current Range (AC)	A	70 ~ 200	85 ~ 300	60 ~ 315
Current Range (DC)	A			
Suitable Welding Rod Dia.	mm	2 ~ 4	2 ~ 4	2 ~ 6
Weight	kg	25	32	85
Insulation Grade		F	F	F
Machine Dimension	mm	410 x 175 x 295	431.8 x 222.2 x 330	600 x 405 x 645
				740 x 475 x 630



DID YOU KNOW?

In 1890, C.L. Coffin of Detroit was awarded the first U.S. patent for an arc welding process using a metal electrode. This was the first record of the metal melted from the electrode carried across the arc to deposit filler metal in the joint to make a weld.

About the same time, N.G. Slavianoff, a Russian, presented the same idea of transferring metal across an arc, but to cast metal in a mold.

Get that power!

ARC WELDING



PWM 315 Cu

PWM 500 Cu

PWM 320 AD

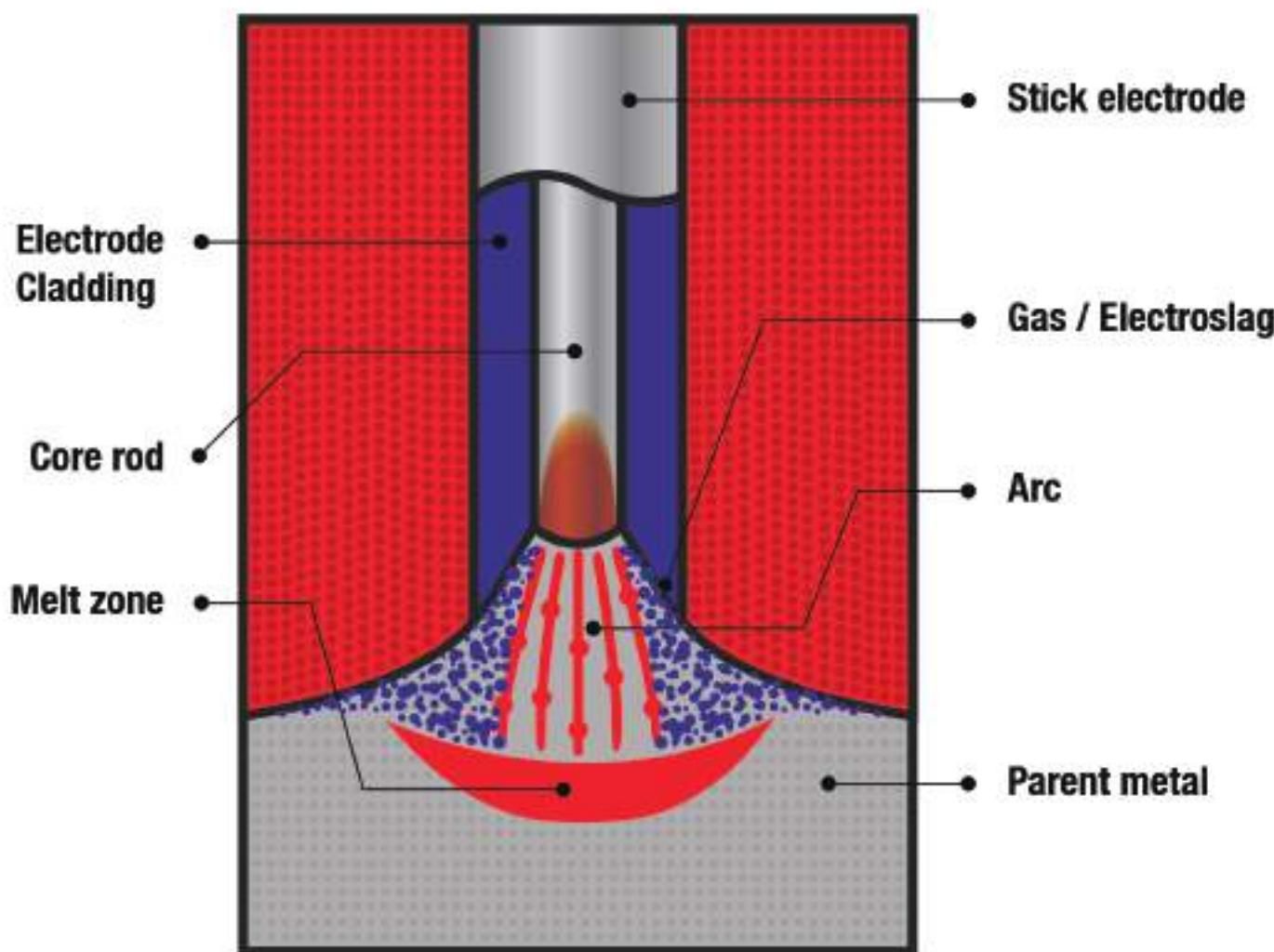
PWM 520 AD

COPPER COIL

AC/DC

PWM 315 Cu	PWM 500 Cu	PWM 320 AD	PWM 520 AD
220/440	220/440	220/440	220/440
60	60	60	60
23.5	38	21	38
76	76	66	66
35	35	35	35
60 ~ 315	100 ~ 500	80 ~ 380	100 ~ 500
		60 ~ 320	80 ~ 420
2.5 ~ 6	3.2 ~ 5	2.5 ~ 6	2.5 ~ 6
82	115	103	150
F	F	F	F
620 x 440 x 700	680 x 490 x 750	650 x 490 x 770	650 x 490 x 770



ARC WELDING**ELECTRODE WELDING**

- The arc burns between the work-piece and the melting electrode.
- The electrode supplies the filler metal itself.
- The melting electrode cladding forms gases and electroslag which protect the arc and the molten pool against negative effects from the surrounding atmosphere.
- Electrode welding is thus possible for jobs in the open air (even in windy conditions).
- Electrode welding can be used for virtually all weldable materials approx 1.5 mm thick and above; (the stick electrodes must suit the parent metal).
- Transformer devices operate with AC (e.g. SB / SK).
- All inverters (electronic units) operate with DC.

ADVANTAGES:

- The arc burns more smoothly
- Devices can be used with the optional torch for the TIG DC welding method
- For setting the welding current in amperes, the following rule applies:
Diameter of electrode x 40 = welding current in amperes.

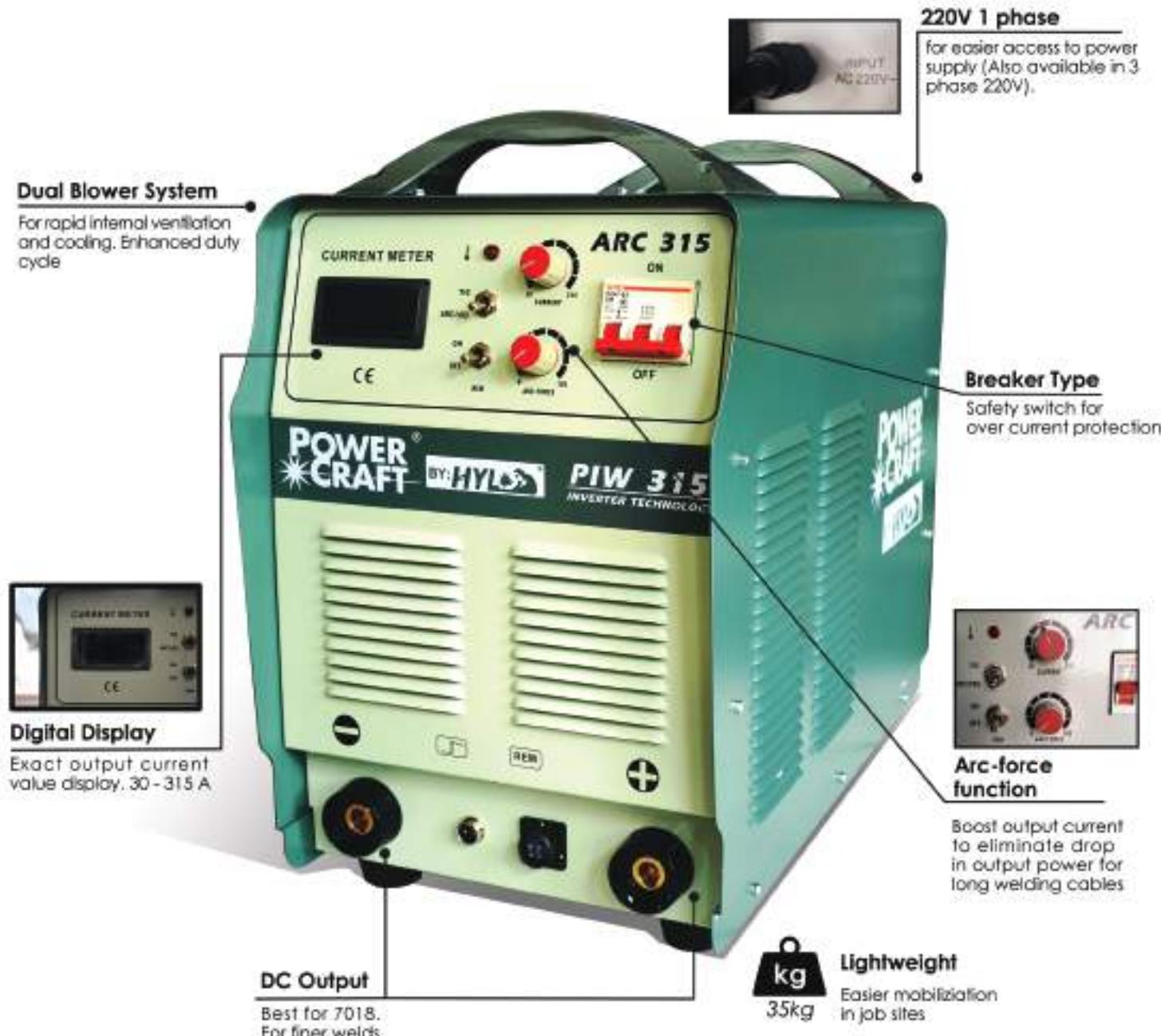
ARC WELDING

PIW 315

Powercraft PIW 315i is an innovation to the conventional 300 and 500 ampere AC arc welding machine being used in construction sites. With its low 12.8 KVA rated input capacity and negligible standby power consumption, this model reduces power consumption by at least 50% compared to its conventional counterpart. (Heavy duty AC arc welding machines consume at least 25 KVA) PIW 315i also makes welding jobs of steel fabricators more efficient.

With its direct current (DC) output, welding current becomes more stable hence decreasing the chance of weld defects created by power fluctuations. This is especially evident during welding low hydrogen rods 7018 which is commonly used by steel fabricators. Last but not least typical inverters only use single fans to cool their internal heat sink. But with PIW 315i, two fans are being used for faster air circulation making cooling more efficient. This provides extended time of continuous usage as well as longer life span for the internal components of the machine.

FEATURES



ARC WELDING**IDENTIFICATION OF STICK ELECTRODES:****E6011**

type of material position
tensile strength
stick electrode

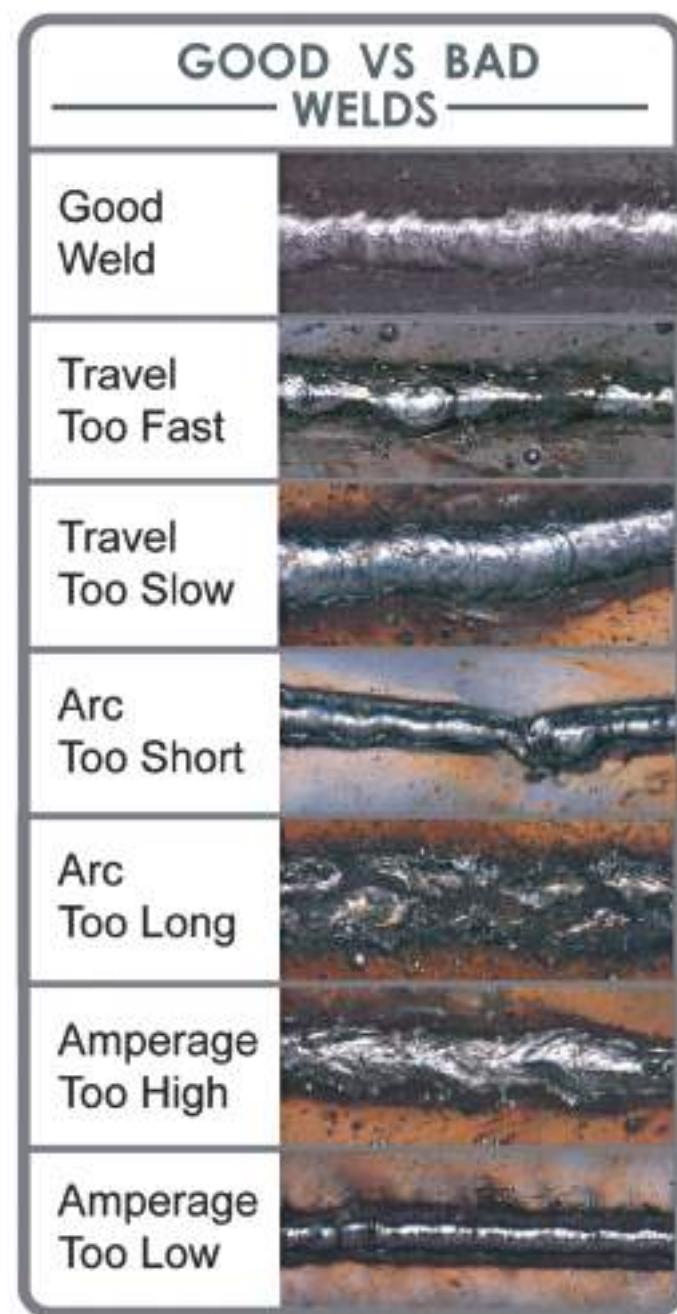
Suggested Electric Currents for Stick Electrodes:

E6011	AC,DCEP
E6013	AC,DCEN,DCEP
E7018	AC,DCEP
E7024	AC,DCEN,DCEP

*AC - alternating current

**DCEN - direct current electrode negative

***DCEP - direct current electrode positive

**How to determine the approximate amperage of a stick electrode:**metric decimal value of diameter of electrode $\times 1000 \pm 10\%$

$$\frac{5}{32} \times 1000 \pm 10\% = 140.62 \sim 171.87 \text{ A}$$



"

INVERTER WELDING

Advantages of Inverter Welding Machines:

1. Less power consumption



2. Light weight



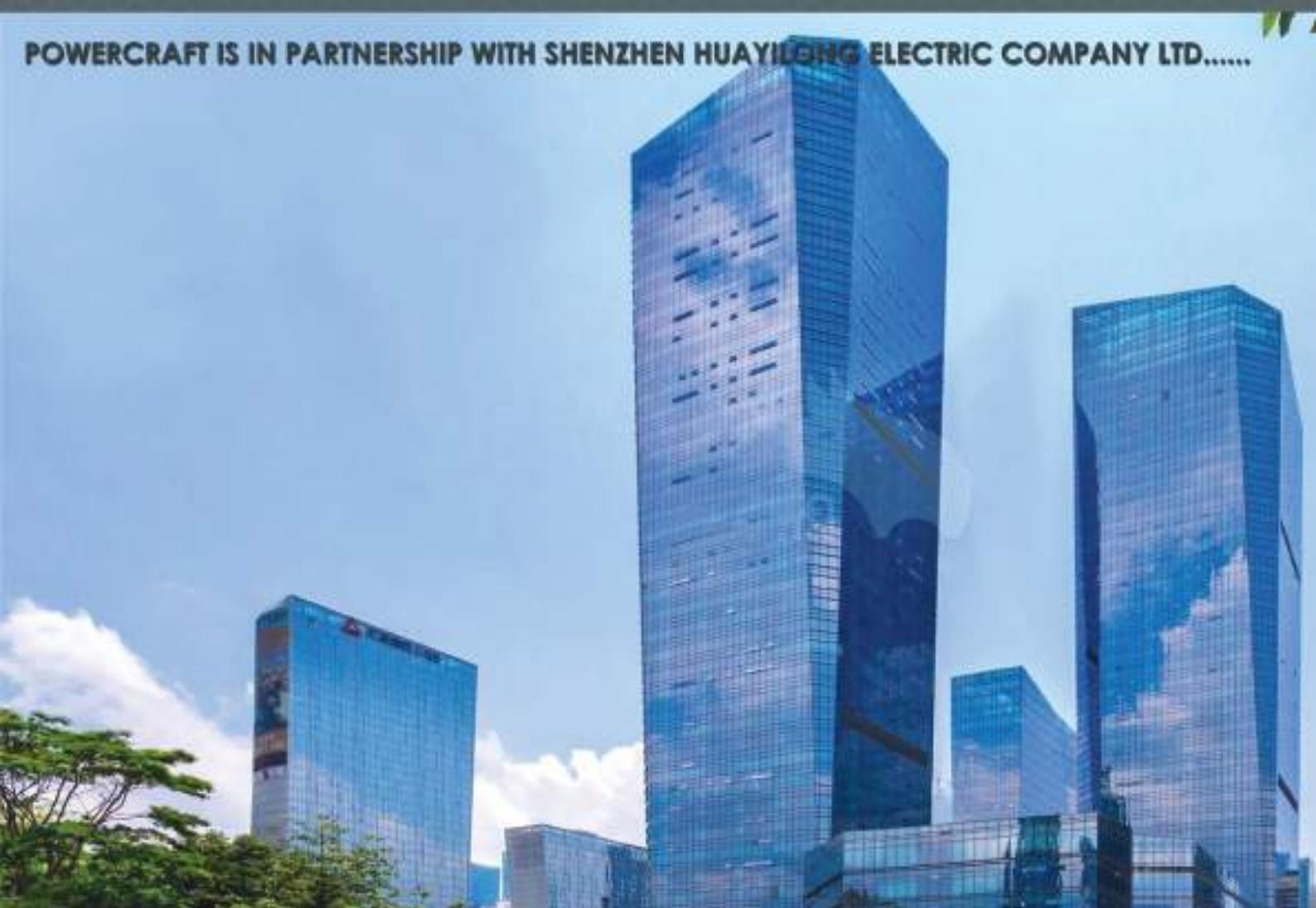
3. Smaller size and portable



4. Smaller generator requirement



POWERCRAFT IS IN PARTNERSHIP WITH SHENZHEN HUAYILONG ELECTRIC COMPANY LTD.....



HUAYILONG HEADQUARTER

COMPANY PROFILE

Established in 2004 with registered capital of RMB 139 million, Shenzhen Huayilong Electric Co., Ltd, is one of the leaders in R&D, manufacturing and selling digital arc welding and cutting equipments in China.

Huayilong, with more than 200 national patents and 6 National Scientific and Technological Certificates, is honored with National High-tech Enterprises and our products win the titles of Shenzhen Independent & Innovative Products, Guangdong High-Tech Products and National Key New Products, etc. and have got multiple international system certifications, such as 3C,

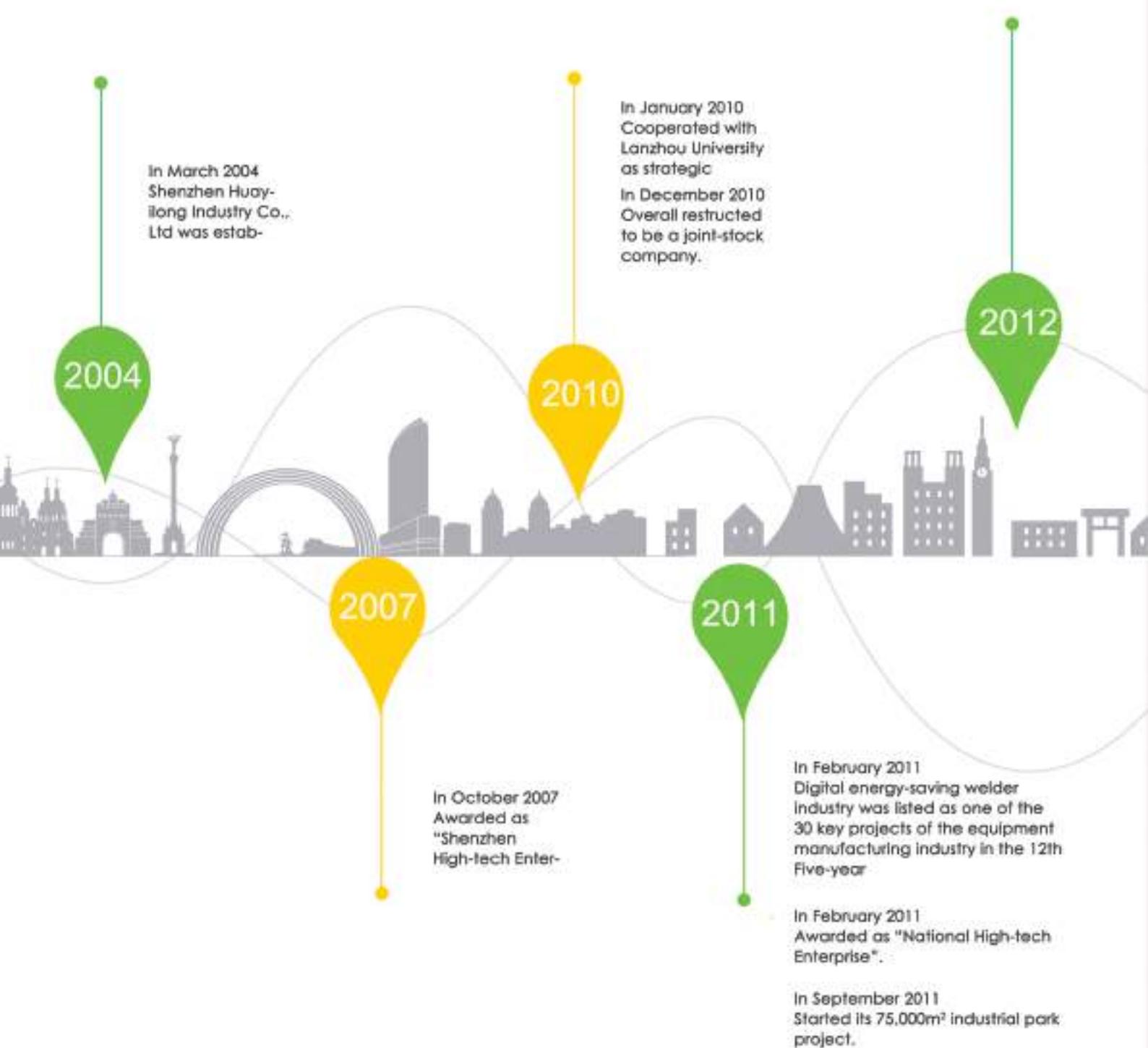


HUAYILONG INDUSTRIAL PARK IN PINGSHAN

Huayilong sets up a R&D Lab by cooperating with such famous universities as Beijing University of Aeronautics and Astronautics, Harbin Institute of Technology and Northwestern Industrial University etc. With 75,000 square meters large production base in Zhongkai High-Tech Zone, Huizhou and Pingshan Industrial Park with R&D center in Shenzhen, we specialize in the R&D and manufacture of digital arc welding and cutting equipments, automatic welding system and Industrial automation solutions. Our products are extensively used in significant infrastructure industries like automobile manufacturing, shipbuilding and heavy-duty steel structure, etc. Depending on our global sales and service network now our products cover Europe, the Americas, Asia and South East Asia.



WITNESS GLORIOUS HISTORY





Intellectual Property



As a domestic professional Inverter welding and cutting equipment supplier, products with complete domestic independent intellectual property rights, have more than 200 national patents and software copyrights as below mentioned:

- 29 Inventor (Authorized 10)
- 46 Patent for Utility Models
- 126 Design Patent
- 52 Computer Software Copyright

SHIPBUILDING

VEHICLES

PETROLEUM

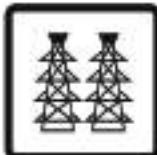
STEEL STRUCTURE FIELD

POWER INDUSTRY

BOILER INDUSTRY

EDUCATION AND R&D FIELD

MINE INDUSTRY



Honorary Certificate



Famous Brand in Guangdong Province

National Hi-Tech Enterprise

Hi-Tech Industrial of Guangdong Province

Class-A Enterprise managed by Shenzhen Custom

Class 3A Credible Import & Export Enterprises in Shenzhen

The First CQO Enterprise in shenzhen

Category A Enterprise of CCIQ

German TUV Certification ISO9001 Management System

CCC Certification, European CE, ROHS and CSA Certifications



IS09001



HI-TECH



RESEARCH & DEVELOPMENT

Huayilong Electric Co., Ltd. is a national high-tech enterprise, we have more than 200 national patents and software copyrights, and 6 national level technology achievements.

We have cooperated with Beihang University & Harbin Institute of Technology as strategic partner, and Jointly established the Huahang R&D Platform for intelligent equipment, set up the advanced power supply technology laboratory, Intelligent equipment Laboratory, and motion control system Laboratory etc. HYL experts team have famous Professor, academician of the China Academy of Engineering, etc.





MANUFACTURING

Huizhou Industrial Park that is Huayilong Electric Co., Ltd's manufacturing base. Huizhou Industrial park is located in Huizhou Zhongkai National High-Tech Industrial Development Zone, covers an area of 65 acres with 75 thousand m² floor area.

Company invest a large number of basic industrial equipment, including assembling line of welding equipment, numerical control machine, mechanical processing equipment, automatic paint spraying machine and SMT, etc.

Annual production capacity of Huizhou Industrial park can reach 500 thousand units which create a total of RMB 1 billion value.



INVERTER WELDING

Light Industrial Line



PIW 16i

PIW 16i

Rated Input	KVA	5.3
No Load Output Voltage	V	56
Input Voltage	V/Hz	220/60
Output Current	A	20~160
Duty Cycle	%	60
Insulation		B
Weight	kg	5
Machine Dimension	mm	332 x 130 x 210



PIW 200i

PIW 200i

Rated Input	KVA	7
No Load Output Voltage	V	63
Input Voltage	V/Hz	220/60
Output Current	A	20~200
Duty Cycle	%	60
Insulation		B
Weight	kg	8
Machine Dimension	mm	370 x 155 x 242



PIW 250i

PIW 250i

Rated Input	KVA	9.4
No Load Output Voltage	V	69
Input Voltage	V/Hz	220/60
Output Current	A	20~250
Duty Cycle	%	60
Insulation		B
Weight	kg	19
Machine Dimension	mm	480 x 205 x 315



PIW 315i

PIW 315i

Rated Input	KVA	12.8
No Load Output Voltage	V	62
Input Voltage	V/Hz	220/50~60
Output Current	A	20~315
Duty Cycle	%	60
Insulation		B
Weight	kg	23
Machine Dimension	mm	450 x 300 x 290

Standard accessories:



electrode holder
assembly



ground clamp
assembly

DC ARC WELDING

PERFECT PROTECTION SYSTEM

1. EMC - Electromagnetic compatibility function with powerful grid filtering ability reduce power supply contamination.

Internal circuits and components are well-protected by excellent anti-interference design, which secured machines stability and reliability

2. Protection on over-current, over-heat and under-voltage. When heat reaches a certain-degree, machine automatically shuts-off protect the machine from damage.

3. Built-in VRD electric shock protection, low no-load voltage, output for user safety.

4. Three proof system (Anti-dust, water-proof, anti-corrosion), improves the reliability of machine when working under tough environment.



		PIW 400 VRD	PIW 500 VRD
Input Power Voltage		220/440v±10% 50/60Hz	440v±10% 50/60Hz
Phase		Three	Three
Rated Output Power	KVA	18.2	25.3
Output Current Range	A	20 - 400	20 - 500
Rated Input Current	A	26	37
Rated Duty Cycle		60% @400A, 100% @300A	60% @500A, 100% @387A
Output No- Load Voltage	V	9-80 (VRD)	9-80 (VRD)
Rod Diameter	mm	1.6-6.0	1.6-6.0
Net Weight	kg	25	27
Machine Dimension	mm	700 x 300 x 540	640 x 270 x 480



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TIG WELDING (GTAW)

TIG WELDING

WHY SHOULD I TRY TIG WELDING?

1) Precision:

- Very minimal heat affected zone.
- In TIG welding the electric arc produced by the machine is concentrated thereby producing negligible warping to the base metal.



2) Quality:

- TIG welding produces high quality and clean welds as compared to that of SMAW application.
- No sparks and spatter is produced in TIG welding process.
- No slag residue is present because inert gas is used as shielding gas.



3) Accuracy:

- TIG is used best when it comes to welding very thin metals of any type of material.
- TIG welding is best used for thin stainless metals such as kitchen tops etc.



TUNGSTEN ROD SELECTION



	ALUMINUM	STAINLESS	METAL
Pure	●		
2% Ceriated		●	●
1.5% Lanthanated		●	●
.8% Zirconiated	●		
2% Thoriated		●	●



DC TIG AND ARC WELDING



(For metals)



		PTW 200i	PTW 250i	PTW 300i
Input Voltage	V/Hz	220/50-60	220/50-60	220/50-60
Rated Input Capacity	KVA	8.5-5.3	7.3	4.5
No Load Output Voltage	V	91	68	54
Output Current Range(TIG)	A	10-200	20-250	20-300
Output Current Range(ARC)	A	10-180	20-250	20-300
Duty Cycle	%	60	60	60
Suitable Welding Rod Dia.	mm	2.5-3.2	2.5-4.0	2.5-4.0
Welding Thickness				
TIG	mm	1.0-6	1.5-10	0.5-8
ARC	mm	1.0-10	1.5-13	1.0-13
Weight	kg	8	19	18.2
Machine Dimension	mm	370 x 155 x 242	480 x 205 x 315	505 x 218 x 355

AC / DC TIG AND ARC WELDING



		PTAD 200i	PTAD 250i	PTAD 315i
Input Voltage	V/Hz	220/50-60	220/50-60	220/50-60
Rated Input Capacity	KVA	4.5	5.3	8.9
No Load Output Voltage	V	62	54	45
Rated Output	A	20-200	20-250	20-285
Duty Cycle	%	60	60	60
Rated Output Voltage	V	17.5	19	23
Welding Thickness	mm	0.5-5	0.5-8	1-12
Phase		Single	Single	Single
Weight	kg	24.2	34.2	37
Machine Dimension	mm	493 x 339 x 329	510 x 330 x 360	700 x 460 x 415

**Standard
accessories:**



TIG Torch



electrode holder
assembly



ground clamp
assembly



flowmeter

DC TIG INVERTER WITH PULSE



PTW 200P

Input Voltage	V	220 / 50-60 Hz
Input Current	A	20
Rated Output Voltage	V	18
Output Current Range	A	10 ~ 200
Duty Cycle	%	60
No Load Voltage	V	42
Valley-down Current	A	20 ~ 180
Impulse Frequency	Hz	LF: 0.5 ~ 5 MF: 50 ~ 200
Weight	kg	9
Machine Dimension	mm	423 x 205 x 357

MICRO TIG

FEATURES

- Can weld at very low amperage. Stable minimum current up to 1 Ampere DC.
- Best application is for die and mold repair by cold welding.
- Consistent pure DC current for cleaner and better welds.



PTFD 200

Input Voltage	V/Hz	220/50
Input Voltage Range	AC/V	200 - 240
Transformer Capacity	KVA	8.7
Output Current	A	200 / 160
Output Voltage	V	18 / 26
No Load Voltage	V	63
Duty Cycle	[%]	20 / 35
Output Current Range	A	DC 1-200
	A	DC 1-160
Phase		Single
VRD	V	18V+10%/-15%
Machine Dimensions	mm	130 x 260 x 320
Weight	kg	7.5

Welding parameter	Adjustment range	Initial setting	Adjustment unit	Welding method		
				Manual Arc Welding	High-frequency TIG	Standard TIG
Fore-blow time	0.0 - 1.0 s	0.1 s	0.1 s	x	o	o
Thermocurrent	0-70 A	20 A	13 A		o	o
Initial current	1-200 A	30 A	12 A	x	o	o
Rise time	0.0-15.0 s	1.0 s	0.1 s	x	o	o
Peak current	1-200 A	120 A	1 A	x	o	o
Background current	1-200/1-160A	80 A	12 A		o	o
Spot welding time	0.1-5.0 s	2.0 s	0.1 s	x	o	o
Pulse width	15-80%	50%	1 %	x	o	o
Pulse frequency	0.5-500Hz	100 Hz	≈1	x	o	o
Fall time	0.0-25.0 s	3.0 s	0.1 s	x	o	o
Arc stopping current	1-200A	30 A	12 A	x	o	o
After-blow time	0.0 - 60.0 s	10.0 s	0.1 s	x	o	o





MIG WELDING (GMAW)

MIG WELDING



PMW 250Y



PMW 250C



PMW 500i-2



PMW 250Y-2

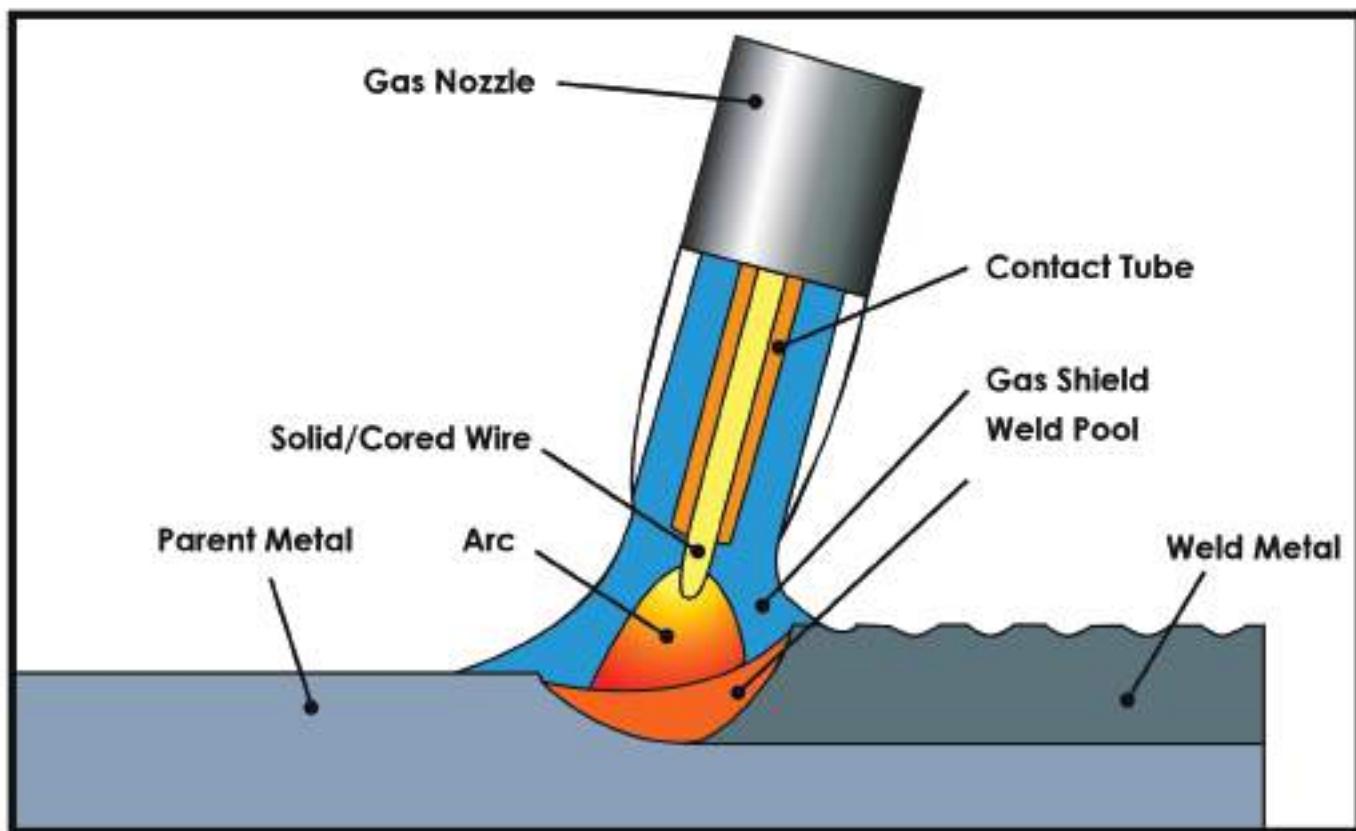


PMW 350i-2

MODEL		PMW 250Y	PMW 250Y-2	PMW 250C	PMW 350i-2	PMW 500i-2
Input Voltage	V/Hz	220/50-60	220/50-60	220/50-60	220/50-60	220/440 50-60
Phase		Single	Single	Single	Three	Three
Input Capacity	KVA	8	7.3	8	13.7	24.4
No Load Voltage	V	42	42	42	58	75
Duty Cycle	%	60 @ 250A	60 @ 250A	60 @ 250A	60 @ 350A	60 @ 500A
Output Voltage	V	16 ~ 26.5	16.5 ~ 26.5	16 ~ 26.5	14 ~ 40	15 ~ 50
Output Current Range	A	20 ~ 250	20 ~ 250	20 ~ 250	60 ~ 350	60 ~ 500
Wire Spool Capacity	Kg	15	15	15	15	15
Welding Wire Diameter	mm	0.8 - 1.0	0.8 - 1.0	0.8 - 1.2	0.8 - 1.2	1.0 - 1.6
Wire Feeder		Built In	Built In	Separate	Separate	Separate
Weight	Kg	45	25.1	30	53	60
Machine Dimensions	mm	616 x 293 x 660	500 x 265 x 430	530 x 240 x 340	750 x 350 x 740	750 x 350 x 740



MIG WELDING



SETTING UP YOUR MIG:

1. Adjust output voltage to the right setting for the material.
2. Adjust wire feed rate to match the voltage output and desired material deposition volume.

WIRE SPEED

VOLTAGE	Too hot Too fast = Undercutting of weld	Too hot Too slow = Wire will melt before reaching workpiece	JUST RIGHT	Too cold Too fast = Wire will hit workpiece resulting shorted welding arc	Too cold Too slow = Superficial weld and lack of penetration
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NOTE:

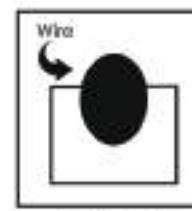
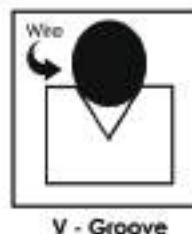
"JUST RIGHT" is when you hear the frying sound being produced by the MIG process.

USING MIG FOR ALUMINUM WITHOUT A SPOOL GUN:

1. Change the MIG torch liner to teflon.
*For 0.8-1.0 mm wire use 1.0 mm liner
1.2-1.6 mm wire use 2.0 mm liner



2. Change the feed roller guide from V - Groove to U - Groove.



3. Adjust tightness of the wire feeder clamp to minimum (just enough to pull the weight of the spool).



MIG WELDING**Can MIG equipment also be used for flux cored welding (FCAW)?**

Yes. Simply switch the polarity links near the drive system to change from solid wire to flux cored wire.

Advantage of FCAW:

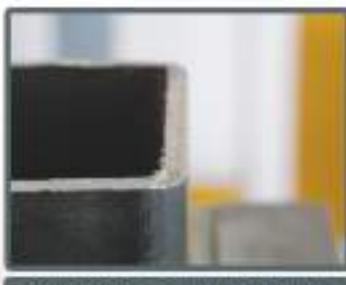
- 1) Works as well as the Stick process on dirty metal.
- 2) Deep penetration for welding thick sections.
- 3) Portable - can eliminate the need for a shielding gas bottle by using a gasless flux cored wire.
- 4) Gasless - also known as self-shielded flux cored wire, is better suited for outdoor work.

Typical current setting using MIG in mild steel:

Thickness	Amperage
18 gauge	40 -100 amp
1/8"	80 -100 amp
3/16"	100 - 205 amp
1/4"	120 - 225 amp
1/2	160+ amp

Note:

Ampere requirements varies with wire size, welding position, joint and shielding gas being used.

MIG WELDING IN 3 EASY STEPS:**1READY!**

Set voltage and wire feed rate.

2AIM!

Fix workplace to proper position.

3WELD!

Follow welding standard position.



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SPOT WELDING

SPOT WELDING


**Spot Welding Machine Series DN
is suitable for:**

- soft steels
- low alloy steels
- stainless steel
- ferrous metals

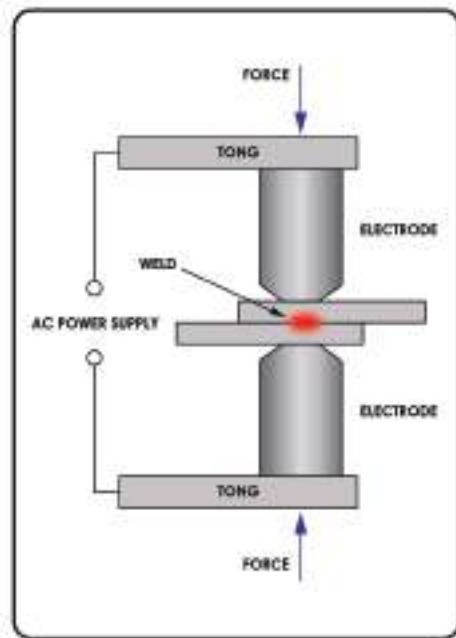


	PCSW DN25	PCSW DN40
Power source Voltage	V 220	220
Rated Input Capacity	KVA 25	40
No Load Voltage	V 1.75 - 3.52	2.24 - 6.87
Welding Thickness	mm 0.5 - 4	2.5 - 8
Length of Electrode Arm	mm 250	350
Time Range	sec 0 - 9.9	0 - 9.9
Weight	kg 100	105
Pack Dimension	mm 930 x 400 x 1120	930 x 400 x 1120

Resistance welding is one of the oldest of electric welding process in use by industry today. The weld is made by a combination of heat, pressure and time.

As the name resistance welding implies, it is the resistance of the material to be welded to causes current to flow and localized heating in the part. The pressure exerted by the tongs and electrode tips, through which the current flows, hold the parts to be welded in intimate contact before, during and after the welding current time cycle.

The required amount of time for current to flow the joint is determined by the material thickness and type, the amount of current flowing and the cross-section area of the welding tip contact surfaces.



POWER
CRAFT



MULTI PROCESS WELDING

MULTI PROCESS WELDING

PTAC 160A

Combine all 3 basic functions of stainless steel fabrication into 1 versatile machine. Save space and equipment cost by integrating all 3 functions inside 1 machine



Input Voltage	V	220 / 50-60Hz
Input Current	A	20
Rated Output Voltage	V	18.
Output Current Range	A	10 ~ 200
Duty Cycle	%	60
No Load Voltage	V	42
Valley-down Current	A	20 ~ 180
Impulse Frequency	Hz	LF: 0.5 ~ 5 MF: 50 ~ 200
Net Weight	kg	9
Machine Dimensions	mm	423 x 205 x 357



TIG



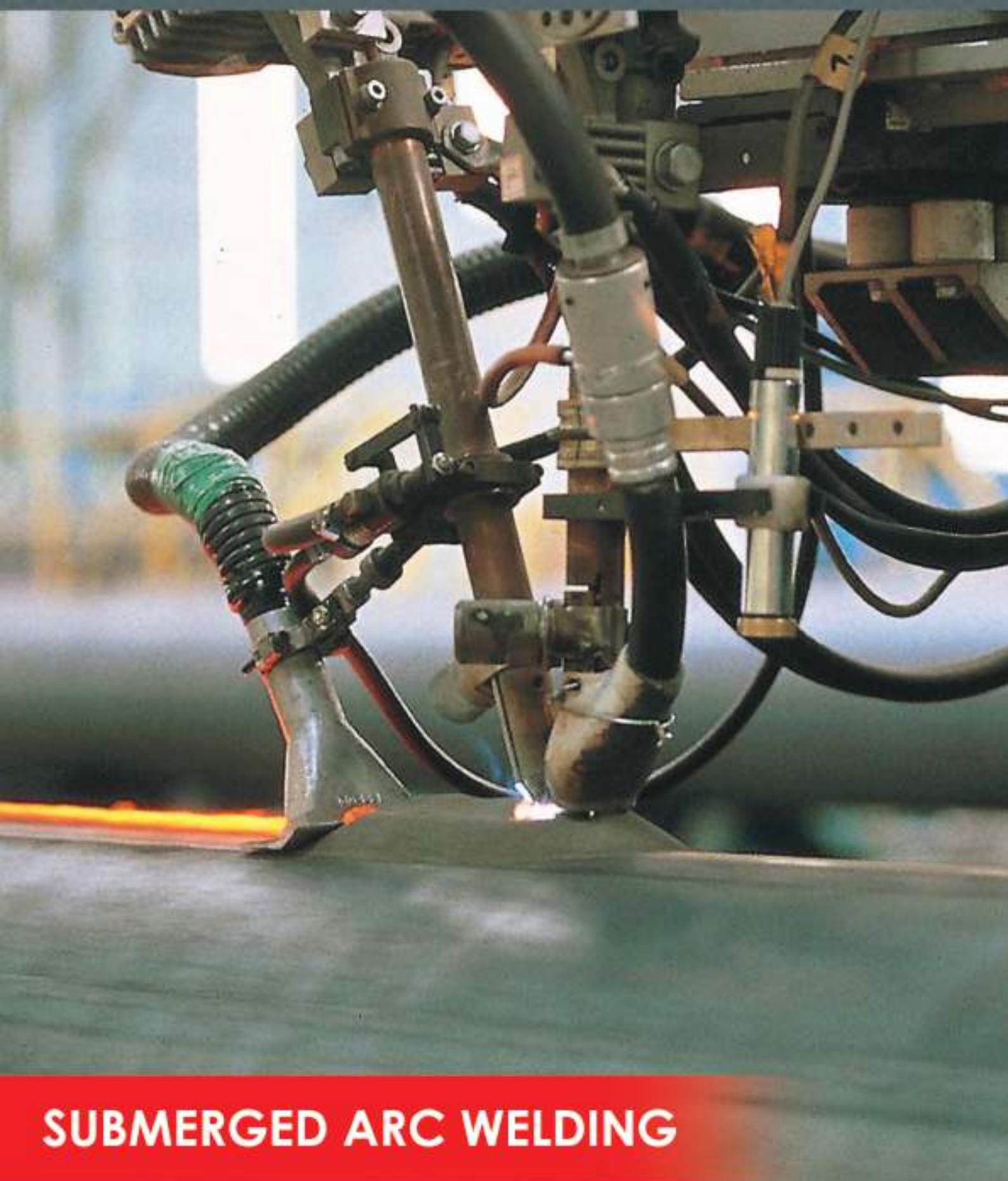
ARC



CUT



POWER
CRAFT

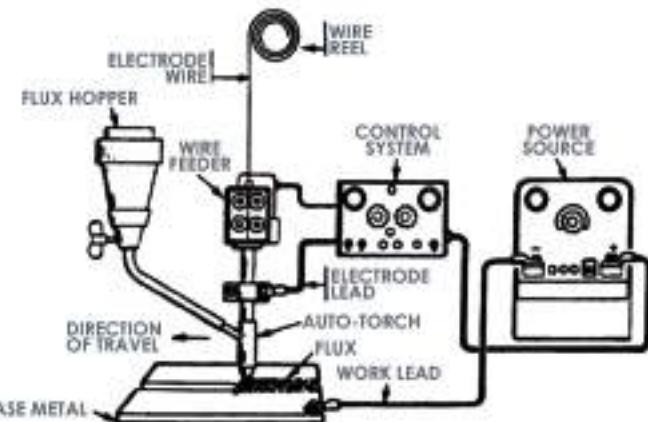


SUBMERGED ARC WELDING

DC SUBMERGED ARC WELDING



Submerged-arc welding (SAW) involves the formation of an arc between a continuously fed electrode and the workpiece. A blanket of powdered flux, which generates a protective gas shield and a slag (and may also be used to add alloying elements to the weld pool), protects the weld zone. A shielding gas is not required.



Trolley



DC Power Source



MZ 1000

Input Voltage	V/Hz	220 / 50-60hz
Min. Cap. of Power Supply	KVA	83
Power Grid	KVA	110
Input Protection	Fuse/Breaker	90/120
Rated Output Power	KW	44
Rated Input Power	A	83
Duty Cycle	%	100%
Current Adjustment	A	60~1000A
Output No Load Voltage	V	SAW: 110V/MMA : 72V
Full Load	%	92
Power Factor		0.87
Welding Wire Dia.	mm	2 ~ 6
Net Weight	kg	95
Machine Dimension	mm	1210 X 460 X 870



POWER
CRAFT



CNC PLASMA

CNC PLASMA



WHAT IS CNC PLASMA?

It's a compact CNC cutting machine which can utilize either plasma or oxyfuel as means to cut metal. It has preset shapes that can be programmed and adjusted to fit the patterns needed by the user. Auto-Cad files may also be uploaded to the CNC system should there be a need for a custom design pattern. CNC automation is extremely advantageous should the user require precise, accurate and consistent cuts in their jobs.



CUT 50H



PPC 120 CNC



LGK 160

INPUT VOLTAGE	220 V	220 V	220/440 V
PHASE	SINGLE	3	3
RATED INPUT CAPACITY	6.3	18	31.8
NO LOAD VOLTAGE	240	270	380
OUTPUT CURRENT RANGE	0-50	20-120	0-160
DUTY CYCLE	60%	60%	60%
RATED OUTPUT VOLTAGE	100	130	82-144
MARKING CUTTING THICKNESS	10	35	50
WEIGHT (Kg)	9	36	50
MACHINE DIMENSIONS (mm)	515 x 375 x 370	605 x 350 x 495	885 x 500 x 780



WELDING MACHINES PRODUCT SUMMARY

MODELS	SMAW	GTAW	GMAW	CONVENTIONAL	INVERTER	AC	DC	OUTPUT CURRENT RANGE	APPLICATION
PWM 6-200B	X			X		X		60-200	construction, light industry
PWM 6-300B	X			X		X		80-300	construction, light industry
PWM 315AL	X			X		X		60-315	construction, steel fabrication
PWM 500AL	X			X		X		100-500	construction, steel fabrication
PWM 315Cu	X			X		X		60-315	construction, steel fabrication
PWM 500Cu	X			X		X		100-500	construction, steel fabrication
PWM 320AD	X			X		X		20-160	ship building, education
PWM 520AD	X			X		X		20-200	ship building, education
PIW 160	X	ACC			X		X	20-250	DIY, light industry
PIW 200	X	ACC			X		X	20-315	light on-site welding, welding generator
PIW 250I	X	ACC			X		X	20-250	medium industry, steel fabrication
PIW 315	X	ACC			X		X	20-300	construction, heavy industry, steel fabrication
PIW 315-3P	X	ACC			X		X	20-300	construction, heavy industry, steel fabrication
PIW 220VRD	X	ACC			X		X	20-200	VRD safety requirement, medium industry
PIW 350VRD	X	ACC			X		X	20-320	VRD safety requirement, heavy industry
PIW 500VRD		ACC			X		X	20-460	VRD safety requirement, heavy industry
PTW 200	X	X			X		X	10-200	stainless steel fabrication, light industry, automotive
PTW 200P	X	X			X		X	10-200	stainless steel fabrication, light industry, automotive
PTW 220HD	X	X			X		X	10-200	stainless steel fabrication, light industry, automotive
PTW 250	X	X			X		X	10-250	stainless steel fabrication, medium industry, automotive
PTW 300	X	X			X		X	10-300	stainless steel fabrication, heavy industry, automotive
PTAD 200	X	X			X		X	20-200	aluminum welding, light industry, automotive
PTAD 250	X	X			X		X	20-250	alum. welding, medium industry, automotive, education
PTAD 315	X	X			X		X	20-300	aluminum welding, heavy industry, automotive
PTFD 200	X	X			X		X	1-200	thin gauge material, die end mould repair, cold weld
PMW 200			X	X		X		200	light industry, steel fabrication, automotive
PMW 250			X	X			X	250	medium industry, steel fabrication, automotive
PMTW 350			X	X			X	350	heavy industry, steel fabrication, automotive
PMTW 500			X	X			X	500	heavy industry, steel fabrication, automotive
TAURUS 315			X	X			X	300	automotive repair
PMW 250Y	X		X		X		X	250	medium industry, steel fabrication, automotive
PMW 250C	X		X		X		X	250	medium industry, steel fabrication, ship building
PMW 350I	X		X		X		X	300	heavy industry, steel fabrication, ship building
PMW 500I	X		X		X		X	500	heavy industry, steel fabrication, ship building
PTAC 160	X	X			X		X	10-160	stainless steel fabrication
PCSW 25			X	X		X			spot welding
PSAW 1000	X				X		X	20-1000	heavy steel fabrication

ACC - ADDITIONAL ACCESSORY REQUIRED TO USE FUNCTION



Get that power!

PLASMA CUTTER

PLASMA CUTTER

OXY-FUEL VS. PLASMA CUTTING

	PLASMA ARC CUTTING	OXY/FUEL CUTTING
METALS	Plasma cuts any electrically conductive metal (steel, aluminum, copper, stainless steel, etc.) from very thin (<3/8in.) up to 2in.	Oxy/fuel cuts ferrous (iron-containing) steels up to 24" thick. Metals such as aluminum and stainless steel cannot be cut with Oxy/fuel due to the formation of an oxide that prevents oxidation from fully occurring.
INDUSTRIES	Common in metal fabrication, construction, agricultural, maintenance, automotive repair, metal art, sculpting, home, hobby and DIY applications.	Agricultural, fabrication, construction, maintenance repair, mining, automotive, hobbyists, DIY applications.
PREHEATING	Not required	Required
PRODUCTIVITY	Plasma cutting works exceptionally well on thinner materials (<1/2 in.), depending on the output of the power source. It can also cut stacked material and works well on expanded metals. Prep time is minimal with no preheating requirements. Produces a small and precise kerf (cut) width. Features a small heat-affected zone that prevents warping and damage. Cleanup is rarely needed as dross is cleanly blown away.	Oxy/fuel is capable of efficiently cutting metals up to 24" thick. It is not depend on a primary power source. Fuel gas and nozzle design option enhance performance.
PORTABILITY	Portability varies based on technology, size of power source and size of air tanks (if not using a built-in air compressor). Many units can work efficiently in the field off of engine-driven generators and a variety of primary power sources thanks to primary power management technologies offered in some plasma cutters.	Highly portable and is not dependent on a primary power source - capable of cutting anywhere with gas tanks and torches.
VERSATILITY	Stack cutting, beveling, shape cutting, gouging and piercing of metals is possible with plasma cutters.	Agricultural, fabrication, construction, maintenance repair, mining, automotive, hobbyists, DIY applications.
SAFETY CONCERN	Electrocution, fires started by sparks, arc flash to the eyes, cutting in and around combustible materials, damage to protective clothing, skin and tissue if used improperly.	Flashbacks, fires started by sparks, cutting in and around combustible

Always wear appropriate clothing

- A highly constricted arc burns between the electrode and the cutting tip (approx. 20,000 °C).
- Compressed air blows the molten material out of the cut.
- Plasma cutting can be used to cut all electrically conductive metals (even coated metals).
- The advantages of plasma cutting are:
 - easy and convenient handling (the only requirements are compressed air and an electric power supply), and
 - clean and very narrow cuts (less heat transfer to the work-piece than with e.g. oxy-acetylene cutting means less distortion).

Note:

Things to consider in plasma cutting:

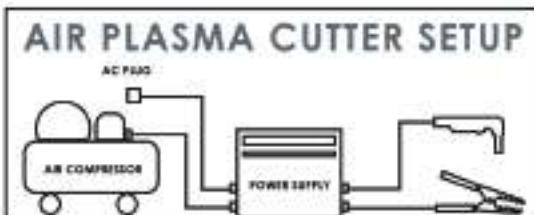
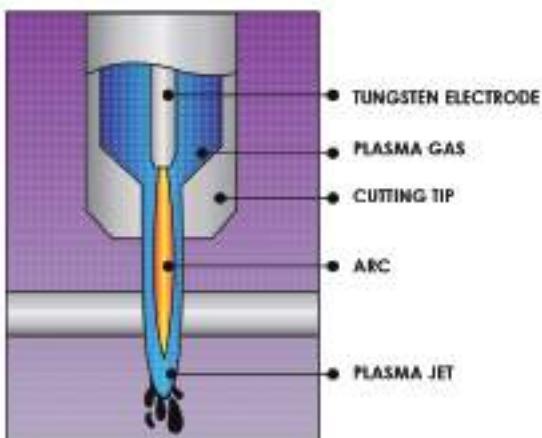
- 1) Actual maximum cutting thickness should be at least 20% lower than the rated cutting thickness of the machine.
- 2) Compressed air being used should always be clean and dry. (If possible use air filters for both the compressor side and the machine side for maximum assurance of non moist air).



PLASMA CUTTER

What is plasma cutting?

The electric version of oxy-acetylene cutting. Electricity is used to ionize the base metal then an air jet is injected through the cutting nozzle which blows off the molten slag of the base metal.



Plasma Cutter Set Up



Plasma Cutting

Power Source

Air Compressor

Note: Air Compressors should be able to deliver ample air volume at minimum 60 psi for consistent cutting performance.

Electrical Power Source

Note: Plasma cutters require a big amount of electrical power to run the system so make sure the power system will be able to provide enough electricity.



PLASMA CUTTER



PPC 40A

Power Source Voltage	V/Hz	220/50-60
Rated Input Capacity	KVA	4.8
No Load Electric Voltage	V	230
Current Regulation Range	A	20 ~ 40
Rated Duty Cycle	%	60
Rated Output Voltage	V	96
Working Cutting Thickness	mm	10
Weight	kg	8
Machine Dimension	mm	380 x 178 x 295



PPC 60A

Power Source Voltage	V/Hz	220/50-60
Rated Input Capacity	KVA	7.9
No Load Electric Voltage	V	236
Current Regulation Range	A	20 ~ 60
Rated Duty Cycle	%	60
Rated Output Voltage	V	104
Working Cutting Thickness	mm	19
Weight	kg	19
Machine Dimension	mm	480 x 205 x 357



PPC 70A

Power Source Voltage	V/Hz	220/50-60
Rated Input Capacity	KVA	9.5
No Load Electric Voltage	V	254
Current Regulation Range	A	20 ~ 70
Rated Duty Cycle	%	60
Rated Output Voltage	V	108
Working Cutting Thickness	mm	19
Weight	kg	21.5
Machine Dimension	mm	480 x 205 x 357



PPC 120

Power Source Voltage	V/Hz	220/50-60
Rated Input Capacity	KVA	18
No Load Electric Voltage	V	270
Current Regulation Range	A	20-120
Rated Duty Cycle	%	60
Rated Output Voltage	V	130
Working Cutting Thickness	mm	35
Weight	kg	36
Machine Dimension	mm	605 x 350 x 495

Get that power!

OXY FUEL

CUTTING AND WELDING OUTFIT



PCWO 300 (HARRIS - Type)

PART NO.	PCS/SET	DESCRIPTION
POR 300	1 pc.	Oxygen Regulator
PAR 300	1 pc.	Acetylene Regulator
PCA 300	1 pc.	Cutting Attachment
PBP 300	1 pc.	Blow Pipe
PMIX 300	1 pc.	Mixer
PCT # 2(LPG) & #2(ACEY)	2 pcs.	Cutting Tip
PWT # 1 & 3	2 pcs.	Welding Tip
701201 OXY & 701201 ACEY	2 pcs.	Flash Guard
LPGA	1 pc.	LPG Adapter
PTH5	1 pc.	Twin Hose
PFL	1 pc.	Flint Lighter
PTC	1 set	Tip Cleaner
PSG 001	1 pc.	Safety Goggles
SW 1	1 pc.	Multi Wrench



PCWO 700 (COMET - Type)

PART NO.	PCS/SET	DESCRIPTION
POR 700	1pc	Oxygen Regulator
PAR 700	1pc	Acetylene Regulator
PCA 700	1pc	Cutting Attachment
PBP 700	1pc	Blowpipe
PMIX 700	1pc	Mixer
PCT #8	1pc	Cutting Tip
PWT #8,10 & 12	3pcs	Welding Tips
PTH	1pc	Twin Hose
PFL	1pc	Flint Lighter
PTC	1set	Tip Cleaner
PSG 001	1pc	Safety Goggles
PTB 001	1pc	Tool Box
		Operating Manual

STRAIGHT CUTTER OUTFIT



PCSC 500 (Straight Cutting Outfit)

PART NO.	PCS/SET	DESCRIPTION
POR 300	1 pc.	Oxygen Regulator
PAR 300	1 pc.	Acetylene Regulator
PCSC 150	1 set	Straight Cutter
PCT 6290-2	1 pc.	Acetylene Cutting Nozzle
PCT 6290-2NX	1 pc.	LPG Cutting Nozzle
701201	1 pc.	Oxygen Flash Guard
701202	1 pc.	Acetylene Flash Guard
LPGA	1 pc.	LPG Adapter
PTH5	1 pc.	Twin Hose
PFL	1 pc.	Flint Lighter
PTC	1 set	Tip Cleaner
PSG 001	1 pc.	Safety Goggles
SW 1	1 pc.	Multi Wrench



PCO 255 (KOIKE - Type)

PART NO.	PCS/SET	DESCRIPTION
PCSC 250	1set	Straight Cutting Torch
POR 300	1pc	Oxygen Regulator
PAR 300	1pc	Acetylene Regulator
PCT ANME-2	1pc	Acetylene Cutting Nozzle
PCT PNME-2	1pc	LPG Cutting Nozzle
-	1pc	Oxygen Check Valve
-	1pc	Acetylene Check Valve
PTH	1pc	Twin Hose
LPGA	1pc	LPG Adaptor
PSG 001	1pc	Safety Goggles
-	1set	Spark Lighter
PCT	1pc	Tip Cleaner
-	1pc	Spanner



CUTTING TIP



LPG



Acetylene

COMET Type 41 / Type 44

PART NO.	DESCRIPTION	SIZE
PCT 41-08	PC Cigweld type #41 Acetylene	# 8
PCT 41-12	PC Cigweld type #41 Acetylene	# 12
PCT 41-15	PC Cigweld type #41 Acetylene	# 15
PCT 44 - 08	PC Cigweld type #44 LPG	# 8
PCT 44 - 12	PC Cigweld type #44 LPG	# 12
PCT 44 - 15	PC Cigweld type #44 LPG	# 15



LPG



Acetylene

VICTOR Type 41 / Type 44

PART NO.	DESCRIPTION	SIZE
PCT 101-1	PC VICTOR type/TIP101 Acetylene	# 2
PCT 101- 2	PC VICTOR type/TIP101 Acetylene	# 3
PCT 101- 3	PC VICTOR type/TIP101 Acetylene	# 1
PCT GPN -1	PC VICTOR type/GPN LPG	# 2
PCT GPN -2	PC VICTOR type/GPN LPG	# 3
PCT GPN -3	PC VICTOR type/GPN LPG	



LPG



Acetylene

H-SERIES Type

PART NO.	DESCRIPTION	SIZE
PCT 6290 -1	PC HARRIS Type Acetylene	# 1
PCT 6290 - 2	PC HARRIS Type Acetylene	# 2
PCT 6290 - 3	PC HARRIS Type Acetylene	# 3
PCT 6290 -1NX	PC HARRIS Type LPG	# 1
PCT 6290 -2NX	PC HARRIS Type LPG	# 2
PCT 6290 - 3NX	PC HARRIS Type LPG	# 3



LPG



Acetylene

KOIKE Type ANME/PNME

PART NO.	DESCRIPTION	SIZE
PCT ANME - 1	PC KOIKE Type Acetylene	# 1
PCT ANME - 2	PC KOIKE Type Acetylene	# 2
PCT ANME - 3	PC KOIKE Type Acetylene	# 3
PCT ANME - 4	PC KOIKE Type Acetylene	# 4
PCT PNME - 1	PC KOIKE Type LPG	# 1
PCT PNME - 2	PC KOIKE Type LPG	# 2
PCT PNME - 3	PC KOIKE Type LPG	# 3
PCT PNME - 4	PC KOIKE Type LPG	# 4

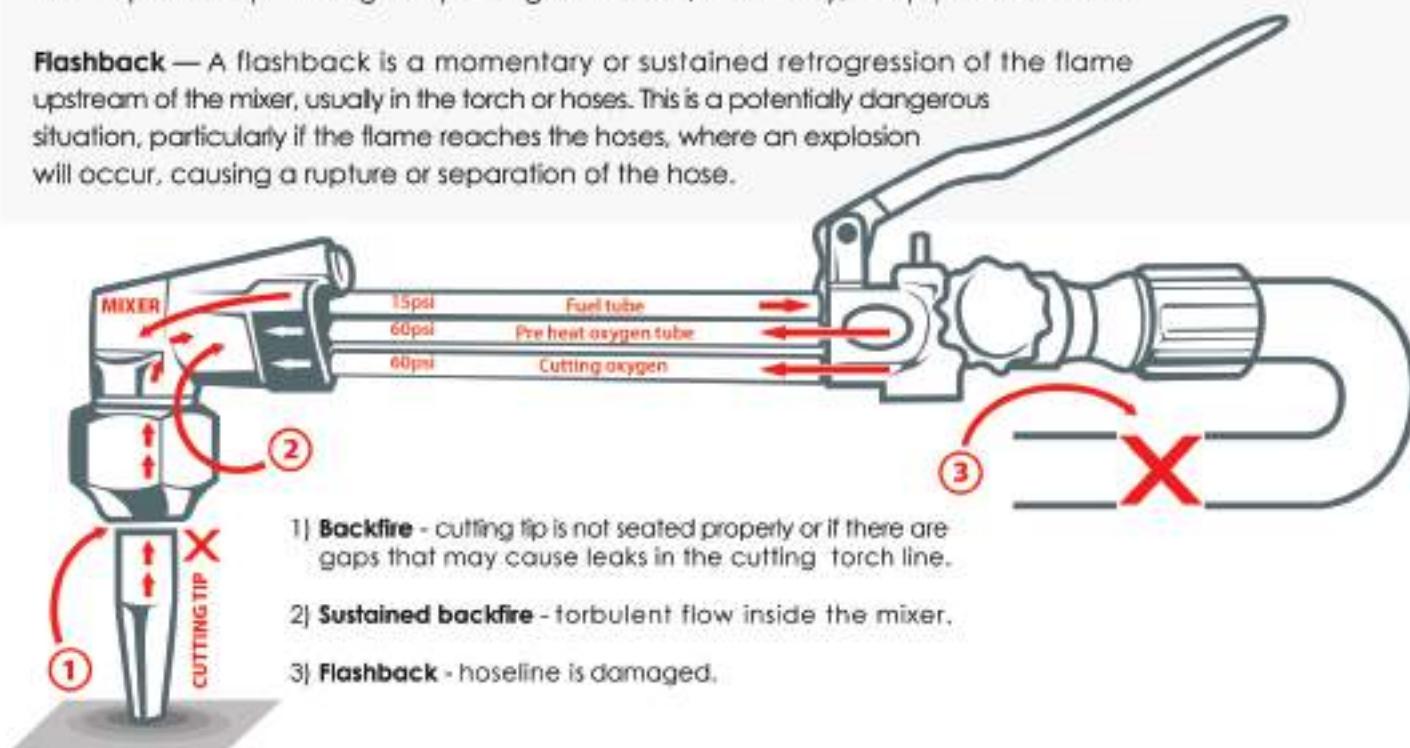
GAS CUTTING

How does flashback happen?

Backfires — A backfire is defined as the momentary retrogression of the flame into the torch tip. The user hears a "pop," and the flame is extinguished. The flame may be reignited if an adjacent ignition source is present or the use of a manual igniter may be necessary.

Sustained Backfires — This is defined as the sustained burning of the flame back inside the torch, usually at the mixer, but could also happen further upstream under certain conditions. Sustained backfires are often accompanied by a hissing or squealing sound and/or a smoky, sharp-pointed flame.

Flashback — A flashback is a momentary or sustained retrogression of the flame upstream of the mixer, usually in the torch or hoses. This is a potentially dangerous situation, particularly if the flame reaches the hoses, where an explosion will occur, causing a rupture or separation of the hose.



OXY-FUEL HAZARDS



1) Make sure there are no obstructions or debris that is wedged in the area of contact between the cutting tip and the cutting attachment.



2) Avoid making direct contact between workpiece and cutting tip.



3) Should there be any unusual sound or feel during cutting or welding process, shut off all valves to prevent any further damage.

Safety equipment for oxyfuel welding/cutting outfit:



Flash guard
Cutting Torch
Side Protection

Flashback arrestor
Gas Tank
Side Protection



POWER
CRAFT



**AUTOMATIC AND
MAGNETIC PIPE CUTTER**

Get that power!

RADIAL CUTTER



CG2-600

Cutting Thickness	mm	5 ~ 100
Cutting Speed	mm/min	100 - 600
Diameter of Circle Cutting	mm	$\varnothing 30 \sim \varnothing 600$
Supply Voltage	V / Hz	220/50
Cutting Speed	RPM	0.2 ~ 6.0
Rotational Speed	RPM	3600
Dimension	mm	750 x 300 x 700
Net Weight	Kgs	38



AUTOMATIC AND MAGNETIC PIPE CUTTER



PCAC 150

Motor	rpm	1500
Cutting thickness	mm	5-30
(by standard accessories)		
Cutting edge sharp		1.V (45°)
Cutting Speed	mm	150-800
Reduction gear		Single cone system
Wheel distance	mm	160
Weight	kg	7
• One torch w/ body	kg	9.5
Machine Dimension	mm	350 x 140 x 175



CG2 - 11

Driving momentum	mm	less than 0.5
Absorption affinity of wheel	kg	≤ 50
Power voltage	V/Hz	220/60
Motor		
• Rotate speed	rpm	6000
• Frequency	W	68
Cutting speed	mm/min	50-750
Cutting scope		
• Seamless steel tube dia.	mm	108
• Tube wall thickness	mm	5-50
Weight	kg	14.5
Machine Dimension	mm	350 x 240 x 220



Get that power!



CUT-OFF MACHINE

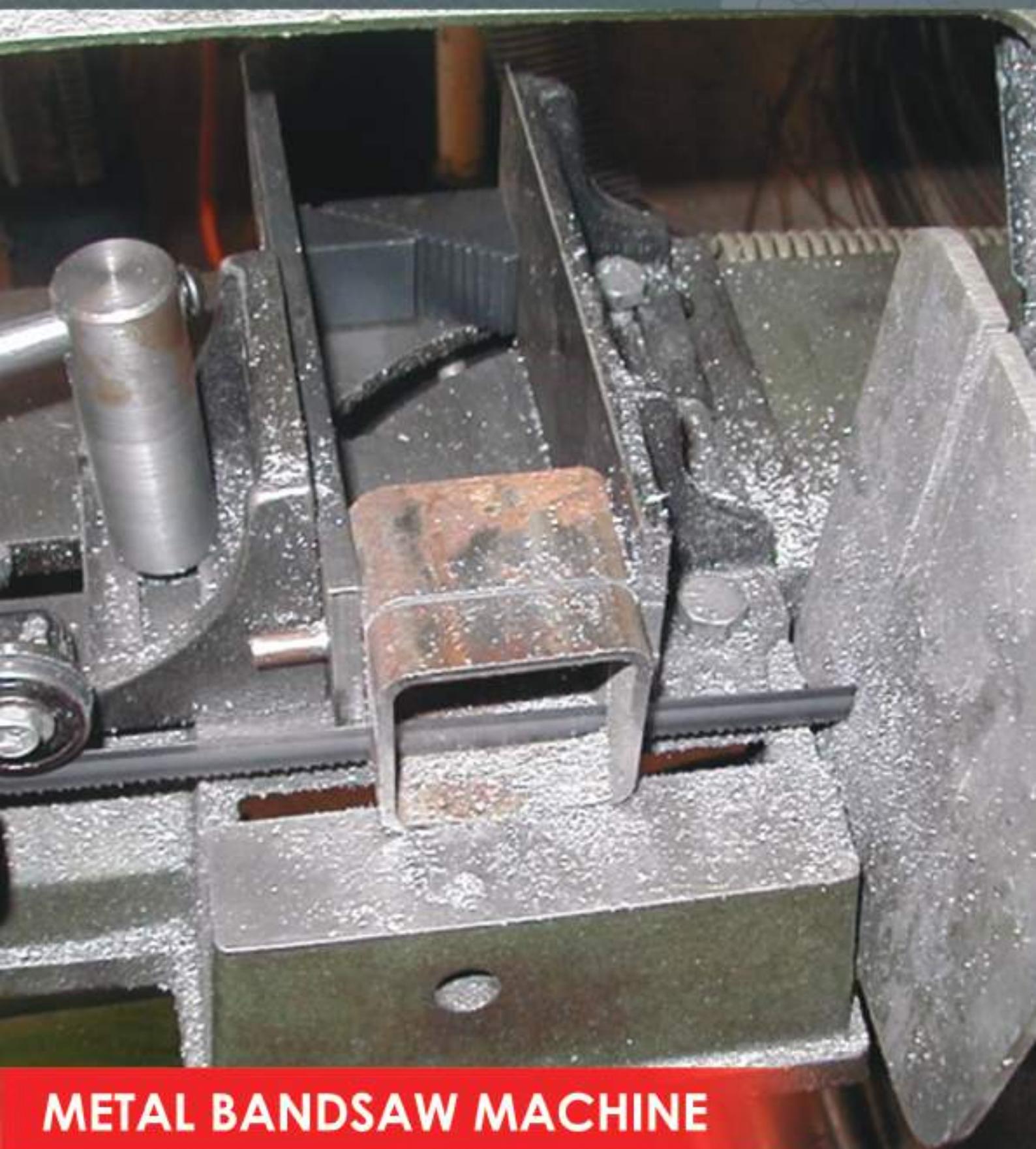
CUT-OFF MACHINE**BELT DRIVEN CUT OFF MACHINE**

Ball bearing provides smooth operation and long life. Features tong angle is adjustable, pivoting fence, cast iron base. The machine is applied to cut the profiled bar, such as steel tube, angle iron, steel plate and etc.

PCCM - 400

Motor	HP (KW)	3 (2.2)
Wheel Diameter	mm (In)	400 (16")
Speed	RPM	3,400
Cutting Capacity	mm	
Pipe		135
Shafting		50
Square Tube		100
Angle Bar		100
Net Weight	kg	56
Size of Base	mm	520 x 290

Get that power!



METAL BANDSAW MACHINE

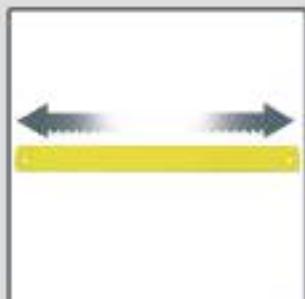
METAL BANDSAW MACHINE

50% Faster cutting than traditional power hack saw.



Band Saw

VS



Power Hack Saw



PCMB 115



RCMS 750



PCMB 115

RCMS 750

		PCMB 115	RCMS 750
Motor	W	550	1,000
Round metal capacity	mm	105	190
Square metal capacity	mm	100 x 150	190 x 300
Blade size	mm	12.7 x 0.64 x 1638	19 x 0.9 x 2362
Blade speed	tpm/mpm	(60Hz) 80/120/180 / 26/36/54	(60Hz) 28/38/53/78
Weight	kg	65	130/165

Get that power!



WELDING ACCESSORIES

TIG TORCHES



Ground Clamp
PCGC 300A
PCGC 500A



Electrode Holder
PCEH 350A
PCEH 500A



Foot Pedal
PCFB-1

PARTS

ITEM NO.	DESCRIPTION
1	Back cap long
2	Back cap short
3	Collet
4	Collet body
5	Ceramic nozzle
6	Micro switch assembly
7	Micro switch
8	Micro switch housing
9	Solenoid connector
10	Torch head
	Torch assembly
	Length



SPECIAL TIG TORCHES



PTWT 250V

TIG Torch with Valve for scratch TIG (8 meters)



PTWT 250WC

Water Cooled TIG Torch (8 meters)



PTWT 250F

TIG Torch with Flexible Head (8 meters)



PTWT 500

500 Amp Air Cooled TIG Torch (8 meters)

AIR PLASMA TORCHES

PARTS

ITEM NO.	DESCRIPTION
1	Protective casing
2	Nozzle
3	Diverter
4	Electrode
5	Micro switch
6	Micro switch housing
7	Micro switch assy
8	Solenoid connector
9	Torch head
	Torch assembly

**PARTS**

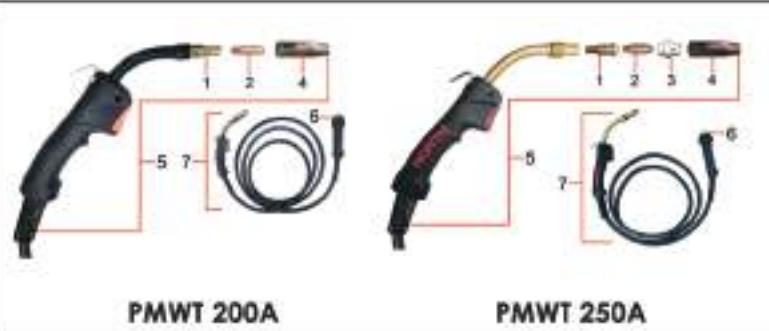
ITEM NO.	DESCRIPTION
1	Protective casing
2	Nozzle
3	Electrode
4	Micro Switch
5	Micro switch housing
6	Micro switch assy
7	Solenoid connector
8	Guide wheel
9	Torch head
	Torch assembly

TORCH HEAD
FOR PLASMA
CUTTER 40ATORCH HEAD
FOR PLASMA
CUTTER 60ATORCH HEAD
FOR PLASMA
CUTTER 60ATORCH HEAD
FOR PLASMA
CUTTER 100A

MIG WELDING TORCHES

PARTS

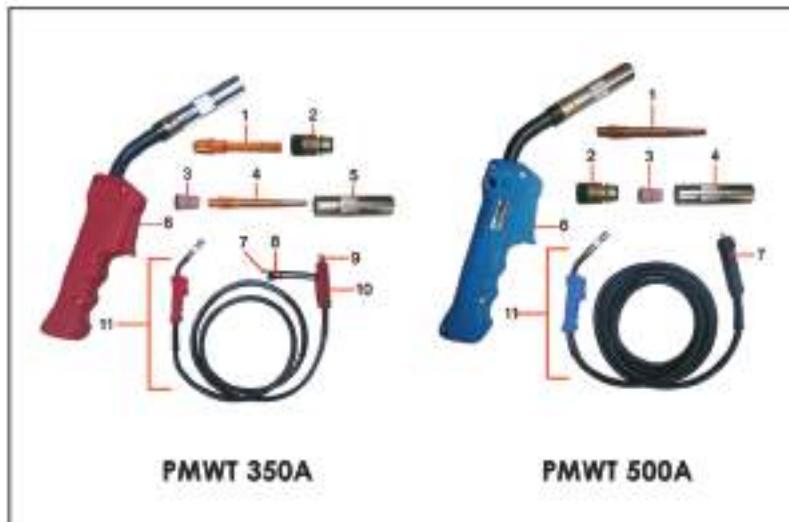
ITEM NO.	DESCRIPTION
1	MIG tip holder
2	Contact tip .8 & 1.0 Cu
3	Gas Diffuser
4	Gas Nozzle
5	Torch head
6	Cable connector
7	MIG torch assembly



PMWT 200A PMWT 250A

PARTS

ITEM NO.	DESCRIPTION
1	Back cap long
2	Back cap short
3	Collet
4	Collet body
5	Ceramic nozzle
6	Micro switch assembly
7	Micro switch
8	Micro switch housing
9	Solenoid connector
10	Torch head
	Torch assembly Length



PMWT 350A PMWT 500A



TORCH FOR
200A MIG

TORCH FOR
250A MIG

TORCH FOR
350A MIG

TORCH FOR
500A MIG

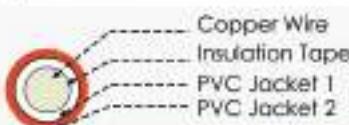
WELDING CABLES

HEAVY DUTY WELDING CABLES



STANDARD	CABLE-TYPE	RATING VOLTAGE	WORKING TEMPERATURE	
VDE	H01N2-D	100/100V	-30 C ~ 70 C	
MODEL	WIRE SIZE		CONDUCTOR SIZE	
PWCN2-D16	Copper 513 strands x 0.2mm; OD: 11mm		16mm	#2
PWCN2-D25	Copper 798 strands x 0.2mm; OD: 12.5mm		25mm	#1
PWCN2-D35	Copper 1114 strands x 0.2mm; OD: 13.5mm		35mm	1/0
PWCN2-D50	Copper 1591 strands x 0.2mm; OD: 15.5mm		50mm	2/0

Structure Sketch Map

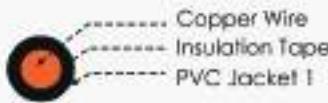


PVC WELDING CABLES



NOMINAL CROSS-SECTIONAL AREA (mm²)	Copper Wire [mm²] No. of strands x Diameter	Thickness of sheath	Outside Diameter	Max. conductor resistance @ 20°C (Ω/km)
25	798 x 0.20	2.0	13.0	0.780
35	1121 x 0.20	2.0	14.5	0.554
50	1596 x 0.20	2.0	17.0	0.386
MODEL	WIRE SIZE		CONDUCTOR SIZE	
PWCN2-D16	Copper 513 strands x 0.2mm; OD: 11mm		16mm	#2
PWCN2-D25	Copper 798 strands x 0.2mm; OD: 12.5mm		25mm	#1
PWCN2-D35	Copper 1114 strands x 0.2mm; OD: 13.5mm		35mm	1/0
PWCN2-D50	Copper 1591 strands x 0.2mm; OD: 15.5mm		50mm	2/0

Structure Sketch Map



CONTENDER WELDING CABLES



MODEL	WIRE SIZE	CONDUCTOR SIZE
PWCN2-D16	Copper 513 strands x 0.2mm; OD: 11mm	16mm #2
PWCN2-D25	Copper 798 strands x 0.2mm; OD: 12.5mm	25mm #1
PWCN2-D35	Copper 1114 strands x 0.2mm; OD: 13.5mm	35mm 1/0
PWCN2-D50	Copper 1591 strands x 0.2mm; OD: 15.5mm	50mm 2/0

CABLE SIZE: METRIC CROSS-SECTIONAL AREA

CABLE SIZE (AWG)	EQUIVALENT SIZE (mm²)	STANDARD INT'L SIZE (mm²)
6	13.3	10
5	16.8	16
4	21.1	25
3	26.7	25
2	33.6	35
1	42.4	50
1/0	53.5	50
2/0	67.4	70
3/0	85.0	95
4/0	107.2	120



Correct International Standard (basis 2/0 cable)



Undersize welding cables

- Higher voltage drop
- Lower maximum ampacity
- Heats up faster



Aluminum Conductor

- Heats up faster
- Less conductivity
- Very short lifespan



AUTO DARKENING MASK



ECO BLACK

Viewing area:



PLAIN BLACK



EAGLE



CARBON FIBER



RED SKULL



STARS & STRIPES

Viewing area:



IRON MAN

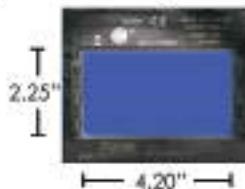


BLACK HAWK



MILITIA

Viewing area:



ECO SERIES

Solar powered

Shade control:

Clear

DIN 4

Dark

DIN 9-13

Dimming Rate

1/30000 sec

Net Weight

435g

UV/IR protection

up to shade DIN 16

Shock proof polycarbonate frame

BASIC SERIES

Solar powered

Shade control:

Clear

DIN 4

Dark

DIN 9-13

Dimming Rate

1/30000 sec

Net Weight

450g

UV/IR protection

up to shade DIN 16

Shock proof polycarbonate frame

PRO SERIES

Solar powered

Shade control:

Clear

DIN 4

Dark

DIN 9-13

Dimming Rate

1/30000 sec

Net Weight

465g

UV/IR protection

up to shade DIN 16

Shock proof polycarbonate frame

WELDING PROCESS	ARC CURRENT (AMPERES)																	
	5	10	15	20	30	40	60	80	100	125	150	175	225	250	275	300	350	450
SMAW					9	10				11				12			13	
MIG (HEAVY)									10	11			12			13		
MIG (LIGHT)									10	11	12		13					
TIG, GTAW			9		10			11		12		13						
MAG / CO2								10	11	12		13						
SAW										10	11	12		13				
FCA									11		12					13		
PAW	8	9	10	11				12		13			14					



ELECTRODE OVEN



PEO-2



PEO-1

		PEO-1	PEO-2
CAPABILITY	Kg	5	10
LENGTH	mm	500	500
POWER	Watt	500-190	600 80-240
TEMPERATURE	°C	50-150	50-150
VOLTAGE	V	AC240	AC240
WEIGHT	Kg	3.8	5

Air tight seal lock to prevent moisture from entering the rod chamber.



Variable temperature control for more specific temperature settings.

**APPLICATION:**

Welding rod dryer is a tool to provide an order temperature and transport welding rod to welder before use. It will separate the welding rod from moisture air, and prevent weld defects in the weld lines.

Detachable power line for easier transport of tool.



HOSES

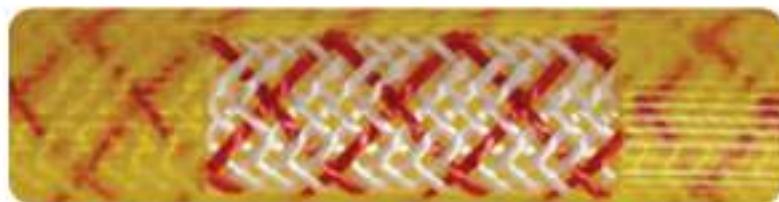
FEATURES

1. Lightweight Design
2. High-resistance to heat
3. Cotton reinforced
4. High-duty weave structure



AIR HOSE

MODEL	SIZE	WORKING PRESSURE(psi)	BURSTING PRESSURE(psi)	LENGTH/ROLL
PAH120-6.5	1/4"(6.5mm)	400 psi	1700 psi	100m/328ft
PAH120-19	3/4"(19mm)	300 psi	1200 psi	100m/328ft



PRESSURE WASHER HOSE

MODEL	SIZE	WORKING PRESSURE(psi)	BURSTING PRESSURE(psi)	LENGTH/ROLL
PPWH-8.5	5/16" (8.5mm)	800 psi	2800 psi	100m/328ft



TWIN WELDING HOSE

MODEL	SIZE	WORKING PRESSURE(psi)	BURSTING PRESSURE(psi)	LENGTH/ROLL
PTH 120	1/4"(6.5mm)	400 psi	1700 psi	100m/328ft

Get that power!

WELDING CONSUMABLE

WELDING ELECTRODE

IMAGE	PART NO.	AWS CODE	JIS CODE	SIZE	PACKING WEIGHT
	PC E6013 2.6	E6013	D4313	CARBON STEEL 2.6mm x 300mm	20kg
	PC E6013 3.2	E6013	D4313	CARBON STEEL 3.2mm x 300mm	20kg
	PC E6013 4.0	E6013	D4313	CARBON STEEL 4.0mm x 300mm	20kg
	PC E7018 3.2	E7018	D5016	CARBON STEEL 3.2mm x 400mm	20kg
	PC E7018 4.0	E7018	D5016	CARBON STEEL 4.0mm x 400mm	20kg
	PC E308L16 2.0	A5.4 E 308L-16	Z3221D 308L-16	STAINLESS STEEL 2.0mm x 300mm	1kg
	PC E308L16 2.6	A5.4 E 308L-16	Z3221D 308L-16	STAINLESS STEEL 2.6mm x 300mm	1kg
	PC E4043 2.6	A5.3 E 4043	-	ALUMINUM 2.6mm x 400mm	1kg
	PC E4043 3.2	A5.3 E 4043	-	ALUMINUM 3.2mm x 400mm	1kg

TIG FILLER ROD

IMAGE	PART NO.	AWS CODE	JIS CODE	SIZE	PACKING WEIGHT
	PC ER70S 6 1.6	A 5.18 ER 70S-6	Z3316 YGT 50	CARBON STEEL TIG ROD 1.6mm x 1000mm	5kg
	PC ER70S 6 2.4	A 5.18 ER 70S-6	Z3316 YGT 50	CARBON STEEL TIG ROD 2.4mm x 1000mm	5kg
	PC 308L 1.6	A5.9 ER308L	Z3321 Y308L	STAINLESS STEEL TIG ROD 1.6mm x 1000mm	5kg
	PC 308L 2.4	A5.9 ER308L	-	STAINLESS STEEL TIG ROD 2.4mm x 1000mm	5kg
	PC 5356 1.6	A5.10 ER5356	-	ALUMINUM ROD 1.6mm x 1000mm	5kg
	PC 5356 2.4	A5.10 ER5356	-	ALUMINUM ROD 2.4mm x 1000mm	5kg

MIG WIRE

IMAGE	PART NO.	AWS CODE	JIS CODE	DESCRIPTION	PACKING WEIGHT
	PC ER70S6 0.8	A5.18 ER70S-6	Z3312 YGW 12	SOLID COPPER WELDING WIRE 0.8mm (for MILD STEEL)	15kg
	PC ER70S6 1.0	A5.18 ER70S-6	Z3312 YGW 12	SOLID COPPER WELDING WIRE 1.0mm (for MILD STEEL)	15kg
	PC ER70S6 1.2	A5.18 ER70S-6	Z3312 YGW 12	SOLID COPPER WELDING WIRE 1.2mm (for MILD STEEL)	15kg
	PC 308LSi 0.8	A5.9 ER308LSi	Z3321Y308LSi	STAINLESS STEEL SOLID WIRE 0.8mm	12.5kg

FCAW WIRE

IMAGE	PART NO.	AWS CODE	JIS CODE	DESCRIPTION	PACKING WEIGHT
	PC E71T1 1.2	E71T-1	Z3313YFW-C50DR	FLUX CORED WELDING WIRE 1.2mm (for STEEL)	15kg
	PC E71T1 1.6	E71T-1	Z3313YFW-C50DR	FLUX CORED WELDING WIRE 1.6mm (for STEEL)	15kg
	PC E71TS 0.8	E71T-S	Z33T3YFW-C50DR	GASLESS FLUX CORED WELDING WIRE 0.8mm (for STEEL)	5kg



POWER
CRAFT



AIR COMPRESSOR



PISTON AIR COMPRESSOR

HORIZONTAL



PAC 1065



PAC 30101H



PAC 100280-2S



PAC 150330

		PAC 1065	PAC 30101H	PAC 100280-2S	PAC 150330
Power	HP / Ph	1.0 / Single	3.0 / Single	10.0 / Single	15.0 / Single
Input Voltage	V / Hz	220 / 60	220 / 60	220/440 / 3Ph / 60	220/440 / 3Ph / 60
Air Delivery	CFM/PSI	4.23@85	7.5@85	31.8@145	56.5@115
Working Pressure	PSI	85-115	85-115	145-175	85 - 115
Tank Capacity	Lit	60	100	280	330
Speed	RPM	1,050	1,100	860	750
Size (L x W x H)	mm	870x375x685	1150x450x900	1500x600x1150	1750x650x1250
Net Weight	Kgs	60	98	226	382

VERTICAL



PAC 1585V



PAC 30120V



PAC 40155V2S



PAC 55150V2S



PAC 55200V2S

		PAC 1585V	PAC 30120V	PAC 40155V2S	PAC 55200V2S	PAC 55203V2S
Power	HP	2.0 / Single	3.0 / Single	4.0 / Single	5.5 / Single	5.5 / Three
Input Voltage	V / Hz	220 / 60	220 / 60	220 / 60	220 / 60	220 / 3ph / 60
Air Delivery	CFM/PSI	6@85	9.0@85	13.0@145	23.6@145	23.6@145
Working Pressure	PSI	85-115	85-115	145-175	145-175	145-175
Tank Capacity	Lit	85	120	150	200	200
Speed	RPM	1,050	1,030	900	860	860
Size (L x W x H)	mm	642x505x972	670x570x1150	850x600x1270	850x750x1250	850x750x1250
Net Weight	Kgs	78	100	162	205	205



OILESS AIR COMPRESSOR



Applications:

1. Quiet Operation
2. Dental and Laboratory Applications
3. Oil free application

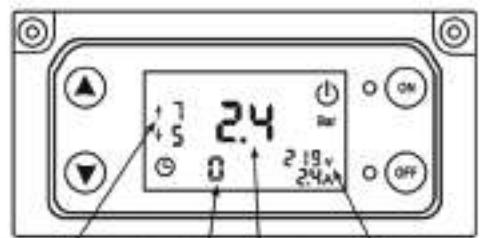
THE INTELLIGENT AIR COMPRESSOR

**PACO 1250**

SPECIFICATIONS:

AIR DELIVERY: **5.8 cfm @ 40 psi**
WORKING PRESSURE: **7 Bar/100psi**
TANK CAPACITY: **50 LITERS**
INPUT VOLTAGE: **220V/1Ph/60Hz**
NOISE LEVEL: **67 - 70 db**
SPEED: **1030 RPM**
POWER: **1.2hp 900watt**

INTELLIGENT DIGITAL CONTROLLER



Current working pressure range

Accumulated working time

Tank pressure

Real-time Voltage
Real-time Amp

Get that power!

OILESS AIR COMPRESSOR HORIZONTAL



PACO 3430



PACO 1042



PACO 2055



PACO 30100

		PACO 3430	PACO 1042	PACO 2055	PACO 30100
Power	HP / Ph	3/4 / Single	1.0 / Single	1.0 / Single	1.0 / Single
Input Voltage	V / Hz	220 / 60	220 / 60	220 / 60	220 / 60
Air Delivery	CFM / PSI	3/40	4.8/40	6/40	14.4/40
Noise Level	db	65	67	75	75
Working Pressure	PSI	70-100	85-115	75-100	85-115
Tank Capacity	L	30	42	55	100
Speed	RPM	1,700	1,700	1,725	1,725
Size (L x W x H)	mm	570 x 370 x 570	700 x 340 x 680	700 x 420 x 650	1300 x 500 x 700
Net Weight	Kgs	22.5	28.4	35.1	68

HORIZONTAL



PACO 40100



PACO 60170



PACO 1030



PACO 1050V



PACO 2080V

		PACO 40100	PACO 60170	PACO 1030	PACO 1050V	PACO 2080V
Power	HP / Ph	2.0 / Single	2.0 / Single	1.0 / Single	1.0 / Single	1.0 / Single
Input Voltage	V / Hz	220 / 60	220 / 60	220 / 60	220 / 60	220 / 60
Air Delivery	CFM / PSI	19/115	23/115	4.8/40	4.8/40	9.6/40
Noise Level	db	75	75	67	67	75
Working Pressure	PSI	85-115	85-115	85-115	85-115	85-115
Tank Capacity	L	100	160	30	50	80
Speed	RPM	1,650	1,650	1,725	1,700	1,700
Size (L x W x H)	mm	1300 x 500 x 700	1410 x 550 x 1105	570 x 370 x 570	500 x 470 x 900	520 x 500 x 1000
Net Weight	Kgs	98	205	25	42	67



MINI AIR COMPRESSOR

Applications

- Medical, Dental & E.N.T. Equipments
- As an oil-less air compressor and Vacuum
- Pump Oxygen Concentrator & Ozone generator
- Semi Conductor processing , Chip mounter
- Packing machine, Food processing Environmental
- Industrial equipments
- Make-up and handicraft



PAC AS-186

PACMAC AS18

PAC AS-196

		PACMAC AS-18	PAC AS-186	PAC AS-196
Motor Power	HP	1/6	1/5	1/3
Motor Speed	RPM	1700	1700	1450
Input Voltage	V/Hz	220/60	220/60	220/60
Auto Stop Pressure	PSI	57	57	57
Auto Start Pressure	PSI	43	43	43
Air flow rate	L/min.	23	25	30
Air tank	L	None	3.0	3.5
Net Weight	kg	3.6	5.6	5.6
Machine Dimension	mm	255 x 135 x 170	310 x 135 x 360	320 x 135 x 350

4 Points to consider in selecting which compressor to use:

- 1) Motor power - the higher the motor power, the more air compressor produces.
*1hp = 750W
- 2) Air Delivery - the volume of air a compressor can deliver per unit time.
*1 cfm = 28.31 Lpm = .0283m/min
- 3) Operating pressure - the amount of force of air coming out of the cross sectional area of the outlet valve.
14.7 psi = 101325 Pa = 1 bar
- 4) Tank Capacity - the volume of air stored inside the tank of the air compressor
3.78 Liter = 1 gallon; 1000Liter = 1m³



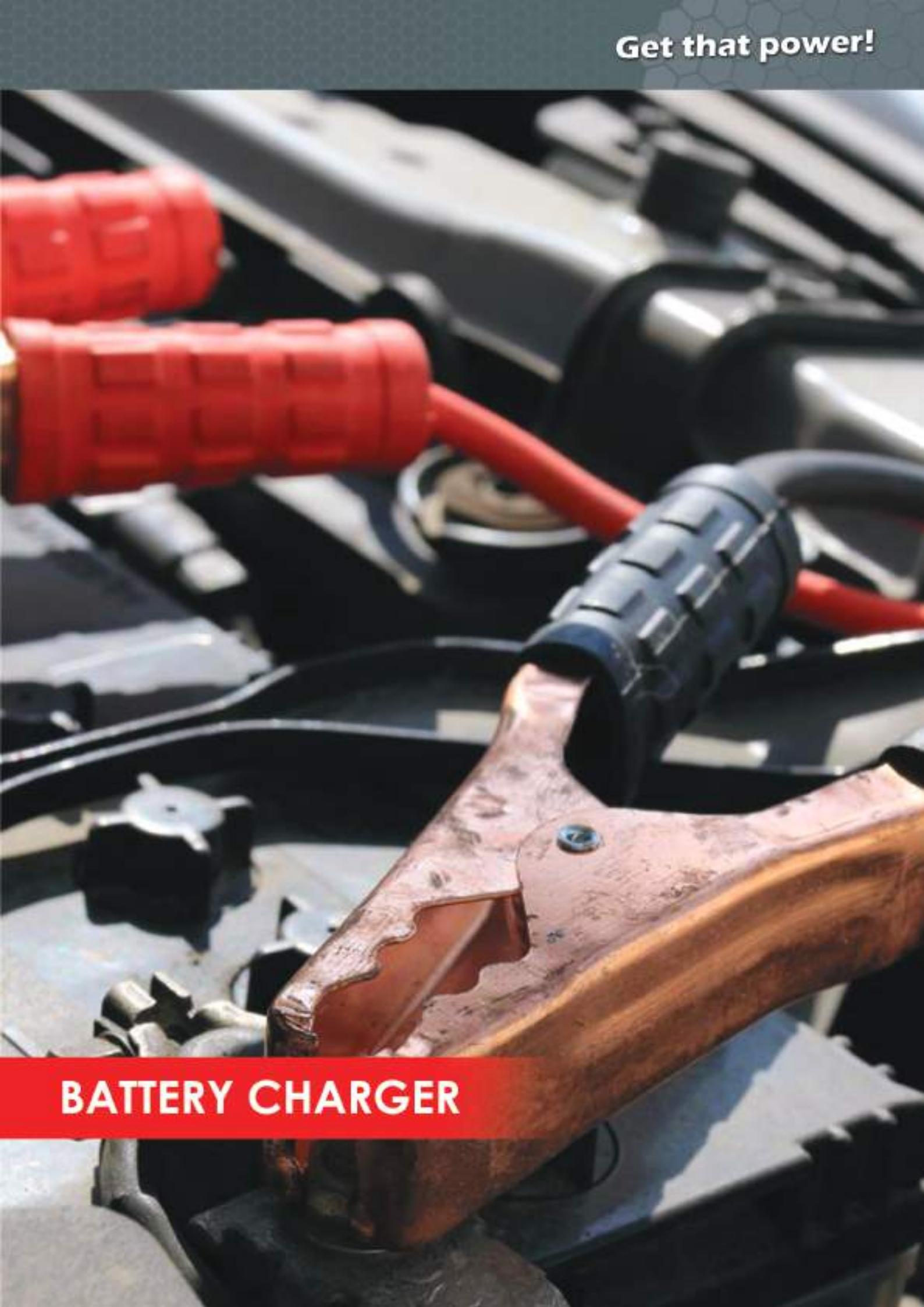
Did you know

How to convert units of measure:

$$1 \text{ cfm} = \frac{1 \text{ ft}^3}{\text{min}} \times \frac{1 \text{ m}^3}{[3.28]^3 \text{ ft}^3} \times \frac{1000 \text{ L}}{1 \text{ m}^3} = 28.31 \frac{\text{Liters}}{\text{min}}$$

conversion factors

Get that power!



BATTERY CHARGER

FORKLIFT BATTERY CHARGER



PCBC 55A

PCBC 55A

Main Voltage	V	220-240
Frequency	Hz	50-60
Charge Voltage	V	12/24
Input Power	12V/24V	W 800
Effective Current	12V/24V	A 20
Average Current	12V/24V	A 0-20
Protection Fuse	A	5
Size	mm	300 x 203 x 250
Weight	kg	9.7



FAST CHARGERS



PCBC 20A



PCBC 30A



PCBC 50A

Power on switch

		PCBC 20A	PCBC 30A	PCBC 50A	
Main Voltage	V	220-240	220-240	220-240	
Frequency	Hz	50-60	50-60	50-60	
Charge Voltage	V	12/24	12/24	12/24	
Input Power	12V/24V	W	450	700	1,000
Effective Current	12V/24V	A	15/17	24/20	20/20
Average Current	12V/24V	A	12/8	20	30
Protection Fuse		A	20	30	50
Size	mm	300 x 203 x 250	300 x 230 x 250	360 x 270 x 260	
Weight	kg	8	10	12.5	
Recommended Battery	Ah	220/30	300/30		

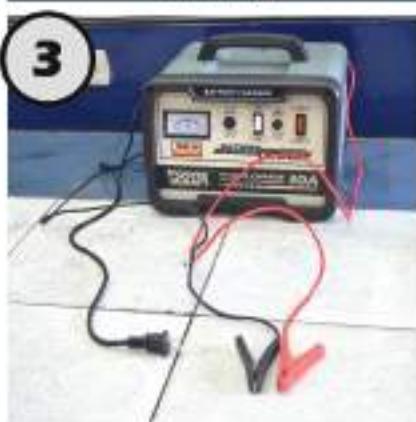


CHARGING PROCESS

LOCATE THE DISCHARGED BATTERY



REMOVE THE CLAMPS OF (+) POSITIVE AND (-) NEGATIVE TERMINALS OF THE BATTERY.



GET A POWER CRAFT BATTERY CHARGER.



CONNECT THE CLAMPS OF (+) POSITIVE AND (-) NEGATIVE TERMINALS OF THE BATTERY.



PLUG IT IN



SWITCH TO CORRECT VOLTAGE SETTING



SELECT CHARGING RATE (MIN, MAX)



WAIT...

JUMP START CHARGERS



PCBC 350



PCBC 450



PCBC 650

			PBC 350	PBC 450	PBC 650
Main Voltage		V	220-240	220-240	220-240
Frequency		Hz	50-60	50-60	50-60
Charge Voltage		V	12/24	12/24	12/24
CHARGING					
Input Power	12V/24V	KW	1.1	2.0	2.0
Effective Current	12V/24V	A	45	75	90
Average Current	12V/24V	A	30	50	70
START					
Input Power	12V/24V	W	6.4	10	10
Effective Current	12V/24V	A	300	500	570
Average Current		A	180	300	360
PROTECTION FUSE					
Size		mm	510 X 290 X 340	510 x 290 x 340	620 x 415 x 340
Weight		kg	16	25	28
Battery		Ah	30/450		



JUMP STARTING A CAR**1**

DO NOT DISCONNECT BATTERY TERMINAL OF VEHICLE

2

**CONNECT THE (+) TERMINAL OF BATTERY TO (+) CLAMP OF CHARGER
CONNECT THE (-) TERMINAL OF BATTERY TO (-) CLAMP OF CHARGER**

3

PLUG IN THE BATTERY CHARGER TO AN ACTIVE ENERGY SOURCE

4

SET CHARGER TO JUMPSTART MODE

5

START ENGINE OF CAR

6

REMOVE CLAMPS OF THE BATTERY CHARGER AFTER THE ENGINE OF CAR IS RUNNING AT NORMAL SPEED

Get that power!



DRILL PRESS

DRILL PRESS



PDP 1016



PDP 1316



PDP 1720

		PDP 1016	PDP 1316	PDP 1720
Spindle Taper	A	MT2	MT2	MT2
Maximum Drilling Capacity	mm	16	16	20
Maximum Spindle Travel	mm	80	80	85
Swing	mm	250	330	360
Max. Distance from Spindle to Table	mm	345	440	85
Max. Distance from Spindle to Base	mm	465	670	1,200
Size of Table	mm	208 x 208	320	356 x 356
Tilt of Table	°	45°	45°	45°
Size of Base	mm	320 x 195	356 x 270	498 x 295
Overall Height	mm	840	1060	1200
Number of Speeds		12	12	16
Range of Speeds	RPM	280 - 3000	300 - 3100	220 - 3320
Motor Size	(230V, 60Hz)	1/2HP	550W	750W
Net Weight	kg	35	52	63
Gross Weight	kg	38	59	66
Chuck Capacity	mm	16 x JT3	16 x JT3	20 x JT3

DRILL PRESS



PDP 1721

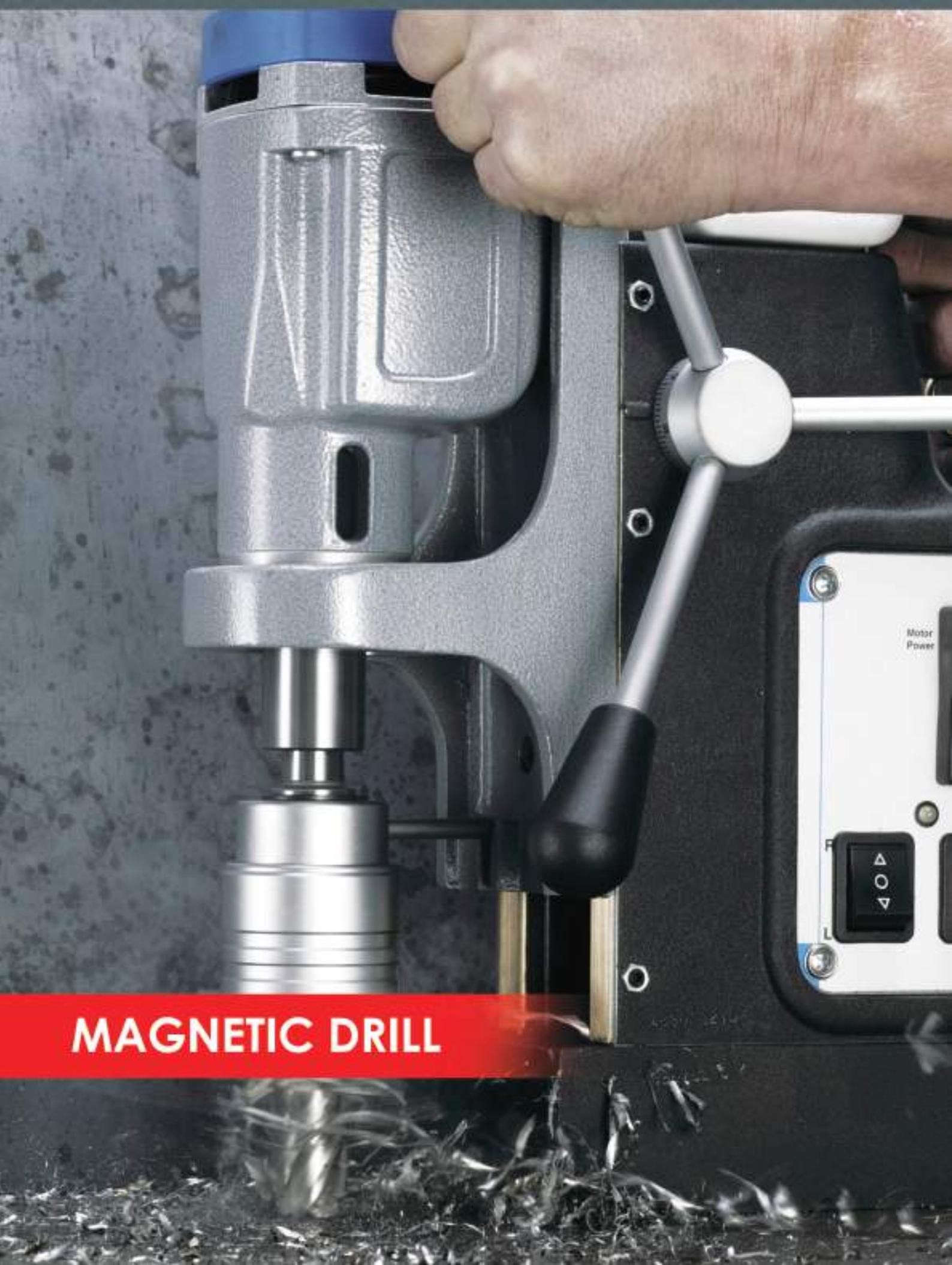


PDP 2032F

		PDP 1721	PDP 2032F
Spindle Taper	A	MT3	MT4
Maximum Drilling Capacity	mm	25	32
Maximum Spindle Travel	mm	80	120
Swing	mm	432	510
Max. Distance from Spindle to Table	mm	710	510
Max. Distance from Spindle to Base	mm	1,200	1,160
Size of Table	mm	356 x 356	420 x 480
Tilt of Table	°	45°	45°
Size of Base	mm	498 x 285	560 x 450
Overall Height	mm	1635	1720
Number of Speeds		16	12
Range of Speeds	RPM	160-3,000	180-2,940
Motor Size (230V, 60Hz)		1.5 HP	1500W
Net Weight	kg	85	145
Gross Weight	kg	90	163
Chuck Capacity	mm	20 x JT3	20 x JT3

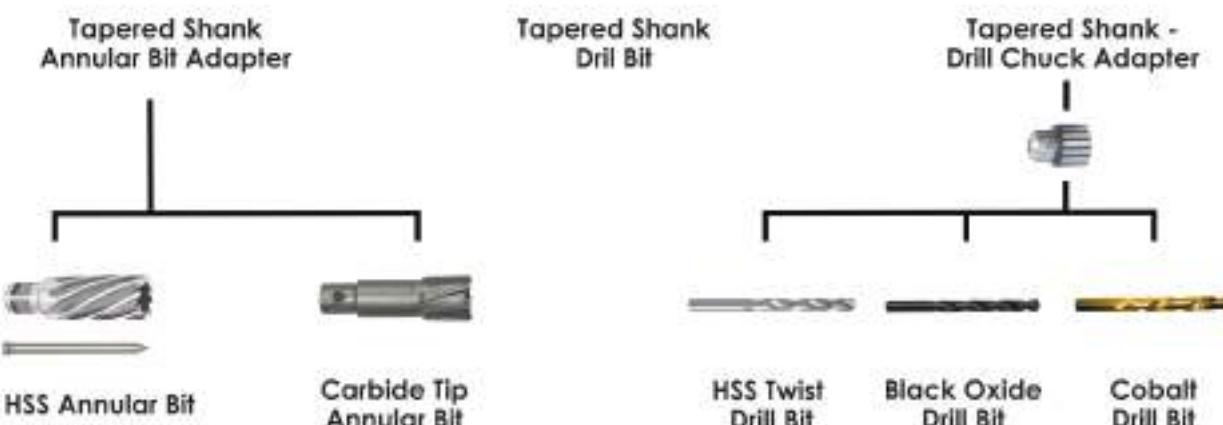


POWER
CRAFT



MAGNETIC DRILL

MAGNETIC DRILL



SETTING UP & PROPER USAGE OF MAGNETIC DRILLS

1. Make sure power supply is stable with no power fluctuations
2. Clean the surface where drill stand will be fixed in place.
Make sure there are no metal chips or foreign material wedged in between the drill base and the work piece.
3. Mark the center point where the hole will be drilled.
Then aim the drill bit to the marked point.
4. Turn on the drill unit then lower down the drill slowly



MAGNETIC DRILL



		PMCD - 68HD	PMCD - 42HD
Motor Size(230V, 60Hz)	WATTS	1890	1700
Maximum Cutter Diameter	mm	68	42
Maximum Cutting Depth	mm	50	50
Maximum for Twist Drill	mm	13	13
No Load Speed	RPM	100-430	100-690
Magnetic Dimensions	mm	50 x 80 x 160	50 x 80 x 160
Magnetic Adhesion	N	16000	15600
Cutter Reatiner Internal Diameter		19 weldon shank	19 weldon shank
Gross Weight	kg	18	18
Net Weight	kg	13.5	13.5



PERMANENT MAGNET



SCY-50PM		
Core Drill Diameter	mm	50
Twist Drill Diameter	mm	13
Rated Voltage	V	220
Rated Frequency	Hz	50-60
Rated Input Power	W	1700
No-Load Speed	rpm	260/480
Max Attraction	N	16500
Cutting Depth	mm	40
Stroke	mm	230

FEATURES:**1. Natural Magnet Base**

- No electricity required to fix magnetic drill base to location. This will prevent breakage of annular bits caused by sudden displacement of magnetic drill due to voltage fluctuation or power interruption.

**2. Easy Quick Release Lever****3. Adjustable Swivel Magnetic Base**

- Magnetic base can adjust to surfaces of different angles, flat surfaces of pipes.



Round

Flat



AUTOMATIC FEED



KCY-55		
Core Drill Diameter	mm	55
Twist Drill Diameter	mm	/
Rated Voltage	V	110/220
Rated Frequency	Hz	50-60
Rated Input Power	W	1700
No-Load Speed	rpm	230/420
Max Attraction	N	16500
Cutting Depth	mm	40
Stroke	mm	120

FEATURES:

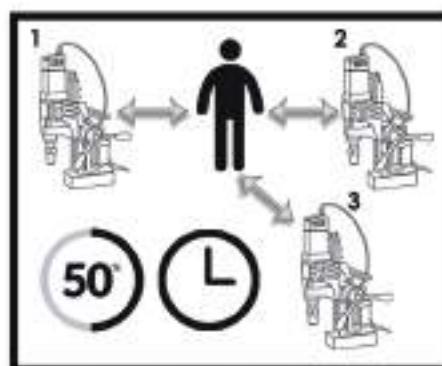
1. One press - One Cycle Feature

- Once automatic feeding feature is activated, magnetic drill will perform 1 cycle plunge to full depth then retract back to original position while maintaining preset drilling speed.



2. 50% More Productivity

- Full automatic function will allow the user to change to another magnetic drill terminal simultaneously while the other magnetic drill is doing automatic feeding cycle. Recommended maximum 3 units only.



2-3 Locations Simultaneously

3. Prevention of user fault damage to unit

- Since the magnetic drill is plunging at constant speed and pressure, this will reduce the strain to the machine motor. Typical users will press down too hard which will cause the motor to stall or overload or run below recommended RPM.

Get that power!



DIAMOND CORE BIT

DIAMOND CORE DRILLING MACHINE



DK 250		
INPUT VOLTAGE	V/Hz	220/60
MOTOR POWER	w	4880
SPEED	rpm	500
CORE DRILLING CAPACITY	mm	250
RECEPTION	1-1/4" UNC THREAD	
TIlt ANGLE	0-45°	
FEEDING	MANUAL	
FOOT CONNECTION	ANCHOR BOLT	
STAND HEIGHT	mm	1000
WEIGHT	kg	23



OVERLOAD
PROTECTION



WATER-PROOF
SWITCH



SOFT STARTING



SAFETY CLUTCH



Get that power!

CORE BIT ADAPTERS



PCCB ADAP 1

PCCB ADAP 2

PCCB ADAP 3

PCCB ADAP 4

IN

HILTI



OUT

1-1/4" 7UNC

G 1/2"
OUTSIDE



1-1/4" 7UNC

G 1/2"
OUTSIDE



1-1/4" 3UNC

G 1/2"
INSIDE



1-1/4" 7UNC



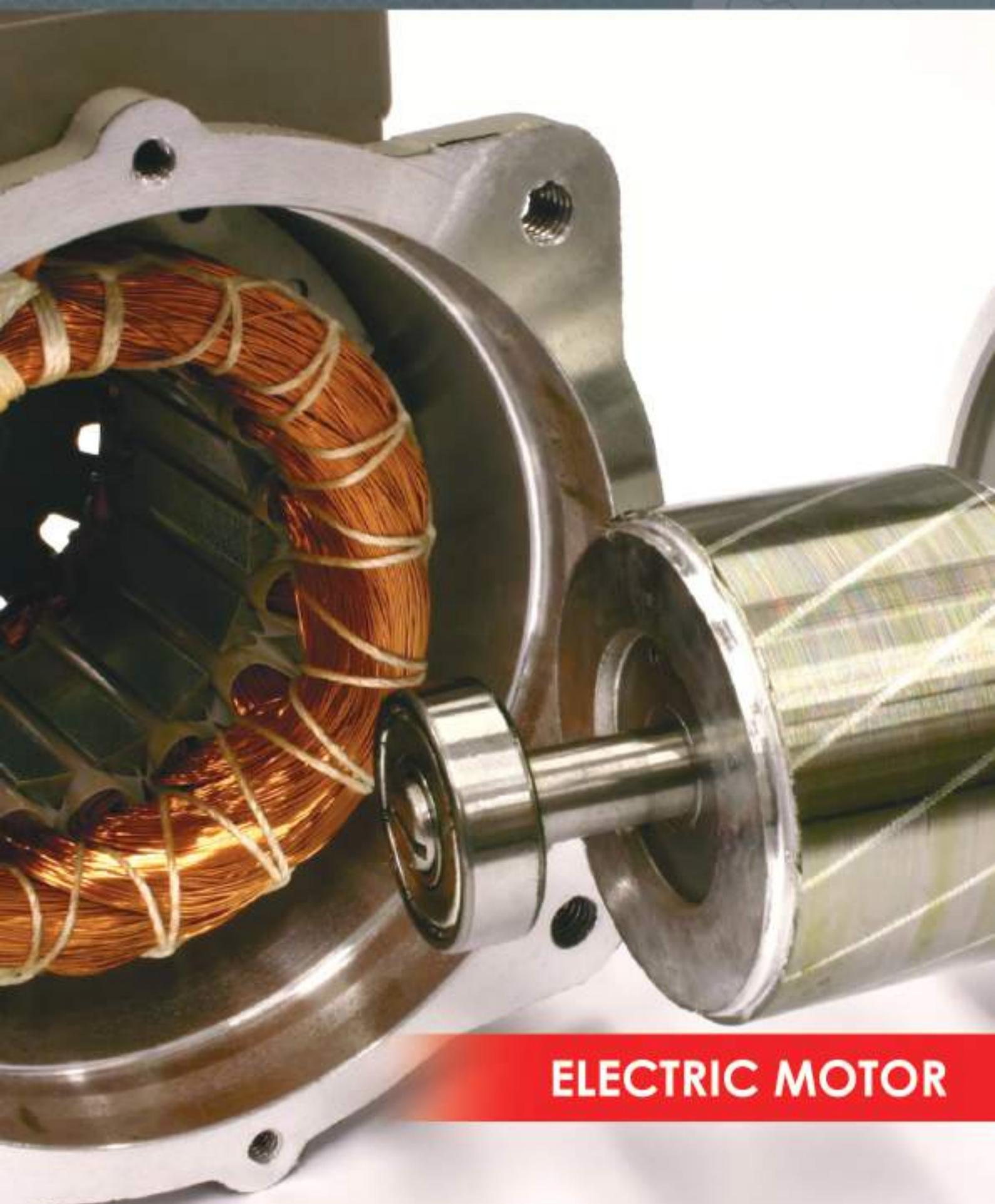
DIAMOND CORE BIT



	OUTSIDE DIAMETER X LENGTH	PIPE DIAMETER
PCCB 40 x 500	40 x 500 mm	1-1/4"
PCCB 63 x 450	63 x 450 mm	2"
PCCB 76 x 450	76 x 450 mm	2-1/2"
PCCB 96 x 450	96 x 450 mm	3"
PCCB 115 X 450	115 X 450 mm	4"
PCCB 127 x 450	127 x 450 mm	4-1/2"
PCCB 159 x 450	159 x 450 mm	5"
PCCB 200 x 450	200 x 450 mm	6"
PCCB 254 x 450	254 x 450 mm	8"-9"
PCCB 350 x 450	350 x 450 mm	12"
PCCB 400 x 450	400 x 450 mm	14"

* Inlet Thread 1-1/4 7UNC

Get that power!



ELECTRIC MOTOR

ELECTRIC MOTOR



100% Copper Winding

100% Rated Output

MODEL	PEM405	PEM204	PEM403	PEM402
POWER	5HP	4HP	3HP	2HP
SERIAL NUMBER	2015.11	2015.11	2015.11	2015.11
WATT	3750	3000	2200	1500
AMPERE	17.0 A	13.6 A	7.8 A	6.8 A
RPM	1725	3450	1725	1725
VOLTS	220	220	220	220
HERTZ	60	60	60	60
PHASE	1	1	1	1
ROTOR SIZE	132 mm	100 mm	112	100
WEIGHT	68 kg	36.5 kg	38.5 kg	28.5 kg
SHAFTING DIAMETER	38 mm	28 mm	28 mm	28 mm
CAPACITOR				
RUNNING	60uf/450v-CBB60	40uf/450v-CBB60	35uf/450v-CBB60	35uf/450v-CBB60
STARTING	400uf/250v-CD60	300uf/250v-CD60	350uf/250v-CD60	300uf/250v-CD60
CENTRIFUGAL SWITCH	L19-50 2/4 Y L19-304 Y	L19-50 2/4 Y L19-304 Y	L19-50 2/4 Y L19-304 Y	L19-50 2/4 Y L19-304 Y
FAN DIAMETER	10"	5-3/4"	9"	6"
FAN INSIDE DIAMETER	19 mm	24 mm	19 mm	19 mm
MOUNTING BASE				
LENGTH	9.5"	8.5"	9"	9"
WIDTH	12.5"	9"	11"	11"
APPLICATION	AIR COMPRESSOR CIRCULAR SAW BAND SAW WATER PUMP BLOWER (DUCTING)	PCCM400	PCCM400 AIR COMPRESSOR CIRCULAR SAW BAND SAW WATER PUMP	AIR COMPRESSOR PRESSURE WASHER CIRCULAR SAW BLOWER (DUCTING) HOLLOWBLOCK MACHINE
			HOLLOWBLOCK MACHINE	

ELECTRIC MOTOR



MODEL	PEM401.5	PEM401	PEM4.75
POWER	1.5HP	1HP	3/4HP
SERIAL NUMBER	2015.11	2015.11	2015.11
WATT	1120	750	550
AMPERE	5.0 A	3.4 A	2.5 A
RPM	1725	1725	1725
VOLTS	220	220	220
HERTZ	60	60	60
PHASE	1	1	1
ROTOR SIZE	90	90	80
WEIGHT	18.5 kg	14.5 kg	12 kg
SHAFTING DIAMETER	28 mm	24 mm	19 mm
CAPACITOR			
RUNNING	25uf/450v-CBB60	25uf/450v-CBB60	15uf/450v-CBB60
STARTING	250uf/250v-CD60	200uf/250v-CD60	100uf/250v-CD60
CENTRIFUGAL SWITCH	L19-50 2/4 Y L19-304 Y	L19-50 2/4 Y L19-304 Y	L19-50 2/4 Y L19-304 Y
FAN DIAMETER	6"	6"	5"
FAN INSIDE DIAMETER	19 mm	19 mm	19 mm
MOUNTING BASE			
LENGTH	8"	8"	7"
WIDTH	8-3/4"	8.5"	8"
APPLICATION	AIR COMPRESSOR PRESSURE WASHER BLOWER (DUCTING)	AIR COMPRESSOR BLOWER (DUCTING) DRILL PRESS	AIR COMPRESSOR BLOWER (DUCTING) DRILL PRESS



POWER
CRAFT



POWERTOOLS ACCESSORIES

DRILL BITS



HIGH SPEED FULLY GROUNDED	AGGRESSOR DRILL BIT	SIZE
PART NO.	PART NO.	
FHS - 10104	FCO - 12654	1 / 16 "
FHS - 10105	FCO - 12655	5 / 64 "
FHS - 10106	FCO - 12656	3 / 32 "
FHS - 10107	FCO - 12657	7 / 64 "
FHS - 10108	FCO - 12658	1 / 8 "
FHS - 10109	FCO - 12659	9 / 64 "
FHS - 10110	FCO - 12660	5 / 32 "
FHS - 10111	FCO - 12661	11 / 64 "
FHS - 10112	FCO - 12662	3 / 16 "
FHS - 10113	FCO - 12663	13 / 64 "
FHS - 10114	FCO - 12664	7 / 32 "
FHS - 10115	FCO - 12665	15 / 64 "
FHS - 10116	FCO - 12666	1 / 4 "
FHS - 10117	FCO - 12667	17 / 64 "
FHS - 10118	FCO - 12668	9 / 32 "
FHS - 10119	FCO - 12669	19 / 64 "
FHS - 10120	FCO - 12670	5 / 16 "
FHS - 10121	FCO - 12671	21 / 64 "
FHS - 10122	FCO - 12672	11 / 32 "
FHS - 10123	FCO - 12673	23 / 64 "
FHS - 10124	FCO - 12674	3 / 8 "
FHS - 10125	FCO - 12675	25 / 64 "
FHS - 10126	FCO - 12676	13 / 32 "
FHS - 10127	FCO - 12677	27 / 64 "
FHS - 10128	FCO - 12678	7 / 16 "
FHS - 10129	FCO - 12679	29 / 64 "
FHS - 10130	FCO - 12680	15 / 32 "
FHS - 10131	FCO - 12681	31 / 64 "
FHS - 10132	FCO - 12682	1 / 2 "

REDUCED SHANK DRILLS

PART NO.	SIZE	SHANK
FHS 10536	9 / 16"	1 / 2"
FHS 10540	5 / 8"	1 / 2"
FHS 10544	11 / 16"	1 / 2"
FHS 10548	3 / 4"	1 / 2"
FHS 10556	7 / 8"	1 / 2"
FHS 10564	1"	1 / 2"



DRILL BITS

SDS PLUS DRILL BIT DOUBLE FLUTE

PART NO.	SIZE
PCS 4x50x110	4x50x110
PCS 5x150x110	5x50x110
PCS 5x100x160	5x100x160
PCS 6x50x160	6x50x160
PCS 6x100x160	6x100x160
PCS 6x150x210	6x150x210
PCS 8x50x160	8x50x160
PCS 8x100x160	8x100x160
PCS 8x150x210	8x150x210
PCS 8x200x260	8x200x260
PCS 10x100x160	10x100x160
PCS 10x150x210	10x150x210
PCS 10x250x310	10x250x310
PCS 10x300x360	10x300x360
PCS 12x100x160	12x100x160
PCS 12x150x210	12x150x210
PCS 12x200x260	12x200x260
PCS 12x250x310	12x250x310
PCS 12x300x360	12x300x360
PCS 13x100x160	13x100x160
PCS 13x200x260	13x200x260
PCS 14x100x160	14x100x160
PCS 14x150x210	14x150x210
PCS 14x250x310	14x250x310
PCS 16x100x160	16x100x160
PCS 16x150x210	16x150x210
PCS 16x250x310	16x250x310
PCS 16x300x350	16x300x350
PCS 16x400x460	16x400x460
PCS 18x150x210	18x150x210
PCS 18x240x300	18x240x300
PCS 18x300x350	18x300x350
PCS 18x390x460	18x390x460
PCS 20x150x210	20x150x210
PCS 20x240x300	20x240x300
PCS 20x390x450	20x390x450
PCS 22x150x210	22x150x210
PCS 22x240x300	22x240x300
PCS 24x240x300	24x240x300



GLOBAL STANDARD



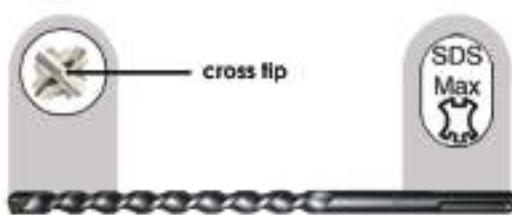
Enables a $\frac{1}{2}$ " x 20mm female threaded chuck to be fitted to an SDS drill. Not to be used on hammer action.



SDS ADAPTOR

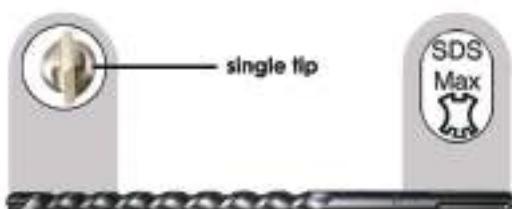
PART NO.	DESCRIPTION
PCSDS	SDS Adaptor

DRILL BITS



SDS MAX DRILL BIT CROSS TIP

PART NO.	SIZE
PCSM 22x400	22 x 400
PCSM 28X600	28 x 600
PCSM 30X600	30 x 600
PCSM 32X600	32 x 600
PCSM 32X920	32 x 900
PCSM 32X1000	32 x 1000



SDS MAX DRILL BIT SINGLE TIP

PART NO.	SIZE
PCSMS 12x340	12 x 340
PCSMS 14x340	14 x 340
PCSMS 16x400	16 x 400
PCSMS 16X540	16 x 540
PCSMS 18x400	18 x 400
PCSMS 20x350	20 x 350
PCSMS 20x500	20 x 500
PCSMS 24x520	24 x 520
PCSMS 25x500	25 x 500
PCSMS 28x600	28 x 600
PCSMS 30x600	30 x 600
PCSMS 32X600	32 x 600

HIGH QUALITY MASONRY BIT

PART NO.	SIZE
PCM3X60	3 X 60
PCM4X70	4 X 70
PCM5X85	5 X 85
PCM6X100	6 X 100
PCM8X110	8 X 110
PCM10X110	10 X 110
PCM12X150	12 X 150
PCM16X150	16 X 150
PCM16X200	16 X 200



strong soldering

- The high-speed drill bit – ideal for use with cordless drills
- Rapid removal of drillings

DRILL BITS



TCT HOLE SAW

PART NO.	SIZE
PCHole 19	19 mm
PCHole 22	22 mm
PCHole 25	25 mm
PCHole 29	29 mm
PCHole 32	32 mm
PCHole 35	35 mm
PCHole 38	38 mm
PCHole 40	40 mm
PCHole 44	44 mm
PCHole 45	45 mm
PCHole 50	50 mm
PCHole 54	54 mm
PCHole 55	55 mm
PCHole 57	57 mm
PCHole 64	64 mm
PCHole 65	65 mm



MAKITA TYPE



SDS MAX

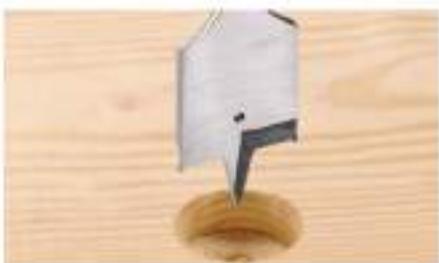


HITACHI TYPE

CHISELS

MAKITA TYPE	PART NO.	SIZE (diameter x length)
POINTED		
	PCCHI 17X280	17 mm ø x 280
	PCCHI 17X400	17 mm ø x 400
	PCCHI 21X320	21 mm ø x 320
	PCCHI 21X450	21 mm ø x 450
FLAT		
	PCCHI 17X280F	17 mm ø x 280
	PCCHI 17X400F	17 mm ø x 400
SDS MAX		
POINTED		
	PCCHI 18X280	18 mm ø x 280
	PCCHI 18X400	18 mm ø x 400
FLAT		
	PCCHI 18X280F	18 mm ø x 280
	PCCHI 18X400F	18 mm ø x 400
HITACHI TYPE		
POINTED		
	PCCHI 30X410	30 mm ø x 410
FLAT		
	PCCHI 30X410F	30 mm ø x 410

DRILL BITS



WOOD POWER BORING BIT

PART NO.	DESCRIPTION	SIZE
FPB-105-02	Titanium Coated	3/8"
FPB-105-06	Titanium Coated	1/2"
FPB-105-09	Titanium Coated	5/8"
FPB-105-12	Titanium Coated	3/4"
FPB-105-14	Titanium Coated	7/8"
FPB-105-16	Titanium Coated	1"



WOOD POWER BORING BIT SET

PART NO.	DESCRIPTION	SIZE
FPB - 105 - Set	Wood Power Boring Bit 105 set	3/8", 1/2", 5/8", 3/4", 7/8", 1"
FF 501	Forstner Bit HSS set 15 - 35mm	15, 18, 20, 25, 30, 35mm
LC 005P	Forstner Bit carbide set 15 - 35mm	15, 18, 20, 25, 30, 35mm
FA 601	Auger Bit Set 6 - 20mm	6, 8, 10, 12, 16, 20mm
FL 501	Lock Installation Kit L 501	7/8" - 2 1/4"
FL 201	Lock Installation Kit L 201	7/8" - 2 1/4"

DRILL BIT SET

PART NO.	DESCRIPTION
PSDS4 (4 pcs.)	PC SDS PLUS BIT SET SIZES: 5, 6, 8, 10 mm
PCMS4 (4 pcs.)	PC MASONRY BIT SET SIZES: 5, 6, 8, 10 mm
PC1201 (8 pcs. drill bit)	PC COMBI BIT SET WITH PLUGS HSS SIZES: 1/8", 5/32", 3/16", 1/4", 5/16" MASONRY BIT SIZES: 5, 6, 8 mm
C1201 (4 pcs. drill bit)	PC MASONRY BIT SET WITH PLUGS MASONRY BIT SIZES: 5, 6, 8 mm 116 pcs. Plastic Wall Plugs
PC901 (9 pcs.)	PC COMBI DRILL BIT SET HSS/MASONRY/WOOD SIZES: 5, 6, 8 mm
PC601 (6 pcs.)	PC HSS DRILL BIT SET SIZES: 1/16", 1/8", 5/32", 3/16", 7/16", 5/16"
PCC015 (15 pcs.)	PC COBALT DRILL BIT SET SIZES: (2) 1/16", 5/64", (2) 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 1/4", 7/32", 5/16", 3/8"



STRAIGHT BIT SET

PART NO.	DESCRIPTION	SIZE
FH2903	High Speed Drill Bit Fully Grounded	1/16" to 1/2" 29 pcs.
FH2105 - 4	High Speed Drill Bit Fully Grounded	1/16" to 3/8" 21 pcs.
FH1308	High Speed Drill Bit Fully Grounded	1/16" to 1/4" 13 pcs.
FH2105 - CO	Cobalt Drill Bit Set Fully Grounded	1/16" to 3/8" 21 pcs.



DRILL BITS USAGE

FOR WOOD



Type of Bit	Working Capacity
HSS Twist Drill Bit	up to 13mm or 1/2" diameter
Wood Boring Bit	up to 25mm or 1" diameter
Auger Bit	up to 20mm diameter but very long drilling for wood
Hinge Boring Bit	up to 35mm diameter but for making concealed



FOR METAL



Type of Bit	Working Capacity
Tex Screw adaptor	for fastening tex screws 1/4" hex
HSS Twist Drill Bit	up to 13mm diameter(1/2") for common metals
Cobalt Twist Drill Bit	up to 13mm diameter(1/2") for hardened steels
Reduced shank drill bit	up to 25mm diameter(1") short drilling length
Hole Saw	up to 120mm(5")
Tapered Shank C	up to 32mm diameter(1 1/4") for thicker materials
Annular bit	up to 75mm diameter up to 50mm diameter

DRILL BITS USAGE

FOR STONE



Type of Bit	Working Capacity
Diamond Drill Bit	small holes for granite and natural stones
Diamond Hole Saw	big holes for granite and natural stones



FOR CONCRETE



Type of Bit	Working Capacity
Masonry Drill Bit	up to 16mm ϕ [5/8"] around 125mm length
SDS Plus Drill Bit	up to 24mm ϕ [1"] around up to 300mm depth
SDS MAX Drill Bit	up to 32mm ϕ [1-1/4"] around up to 1000mm depth faster drilling & shorter tool life
SDS MAX (Cross Tip)	up to 25mm diameter [1"] short drilling length
SDS MAX (Pointed Chisel)	up to 120mm [5"]
SDS MAX (Flat Chisel)	up to 32mm diameter [1-1/4"] for thicker materials



CHISELS



- SDS MAX
- Hitachi Type
- Makita Type



ROUTER BITS



STRAIGHT BIT

PART NO.	SHANK	SIZE	D
LC01010204	1/4"	1/8"	3.17
LC01010304	1/4"	3/16"	4.76
LC01020404	1/4"	1/4"	6.35
LC01020504	1/4"	5/16"	7.96
LC01020604	1/4"	3/8"	9.52
LC01020804	1/4"	1/2"	12.70
LC01021004	1/4"	5/8"	15.90
LC01021204	1/4"	3/4"	22.20
LC01020408	1/2"	1/4"	6.35
LC01020608	1/2"	3/8"	9.52
LC01020808	1/2"	1/2"	12.70
LC01034888	1/2"	1/2" x 3"	12.70
LC01021008	1/2"	5/8"	15.90
LC01021208	1/2"	3/4"	19.05
LC01021608	1/2"	1"	25.40

STRAIGHT BIT WITH BEARING

PART NO.	SHANK	SIZE	D	H
LC02042444	1/4"	1/4"	6	38
LC02042464	1/4"	3/8"	9	38
LC02043288	1/2"	1/2" x 2"	13	50.80
LC02044888	1/2"	1/2" x 3"	13	76.20



HINGE BORING BIT

PART NO.	SHANK	SIZE	D	H
LC01090804	1/4"	1/2"	12.70	14
LC01091004	1/4"	5/8"	15.90	15
LC01091204	1/4"	3/4"	19.05	15
LC01091404	1/4"	7/8"	22.20	16
LC01091604	1/4"	1"	25.40	17.40
LC01092008	1/2"	1 - 1/4"	31.75	17.40
LC01092208	1/2"	1 - 3/8"	34.90	17.40
LC01092408	1/2"	1 - 1/2"	38.10	17.40



ROUTER BITS



HORSE NOSE BIT

PART NO.	SHANK	SIZE	D	A	H
LC02021004	1/4"	5/4"	6	25°	15.90
LC02022008	1/4"	1 - 1/4"	9	30°	31.80



CHAMFERING BIT 45°

PART NO.	SHANK	SIZE	D	A	H
LC02031004	1/4"	5/8"	35.50	45°	15.90
LC02031008	1/4"	5/8"	35.50	45°	15.90



V - GROOVE BIT

PART NO.	SHANK	SIZE	D	2a	H
LC03041004	1/4"	5/8"	15.90	60°	13.76
LC03011604	1/4"	1"	25.40	90°	25.40
LC03041408	1/2"	7/8"	22.20	45°	26.79

DOVETAIL BIT

PART NO.	SHANK	SIZE	D	A	H
LC03030804	1/4"	1/2"	12.70	8°	13
LC03031208	1/2"	3/4"	19.05	14°	20



CORE BOX BIT

PART NO.	SHANK	SIZE	D	H	R
LC05020404	1/4"	1/4"	6.35	6.35	3.17
LC05020604	1/4"	3/8"	9.52	7.50	4.76
LC05020804	1/4"	1/2"	12.70	9.40	6.35
LC05021208	1/2"	3/4"	19.05	12	9.52
LC05021608	1/2"	1"	25.40	15	12.70



ROUTER BITS

CORNER ROUND BIT

PART NO.	SHANK	SIZE	D	H	R	B
LC06020304	1/4"	3/16"	13.76	5.38	2.38	2.38
LC06020404	1/4"	1/4"	15.35	7	3.17	3.17
LC06020504	1/4"	5/16"	20.94	8	3.97	3.97
LC06020604	1/4"	3/8"	22.50	9	4.76	4.76
LC06020804	1/4"	1/2"	25.70	11	6.35	6.35
LC06021204	1/4"	3/4"	32.05	15	9.52	9.52
LC06021604	1/4"	1"	38.40	18	12.70	12.70
LC06020608	1/2"	3/8"	22.50	9	4.76	4.76
LC06020808	1/2"	1/2"	25.70	11	6.35	6.35
LC06021208	1/2"	3/4"	32.05	15	9.52	9.52
LC06021608	1/2"	1"	38.40	18	12.70	12.70
LC060222008	1/2"	1 - 3/8"	46.75	22	15.90	15.90
LC06022408	1/2"	1 - 1/2"	53.10	25	19.05	19.05



BEADING BIT

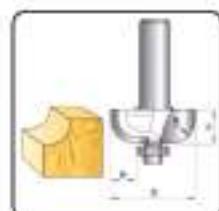
PART NO.	SHANK	SIZE	D	H	R	B
LC06030304	1/4"	3/16"	17.46	12.70	2.38	4.23
LC06030404	1/4"	1/4"	19.05	12.70	3.17	5.02
LC06030604	1/4"	3/8"	22.22	12.70	4.76	6.61
LC06030804	1/4"	1/2"	25.40	12.70	6.35	8.20
LC06031204	1/4"	3/4"	31.70	15.90	9.52	11.35
LC06031604	1/4"	1"	38.10	19.05	12.70	14.50
LC06030608	1/2"	3/8"	22.22	12.70	4.76	6.61
LC06030808	1/2"	1/2"	25.40	12.70	6.35	8.20
LC06031208	1/2"	3/4"	31.70	15.90	9.52	11.35
LC06031608	1/2"	1"	38.10	19.05	12.70	14.50
LC06032208	1/2"	1 - 3/8"	47.60	23.85	17.45	19.30
LC06032408	1/2"	1 - 1/2"	50.80	25.40	19.05	20.90



CONVEX EDGING BIT

PART NO.	SHANK	SIZE	D	R	B
LC06051008	1/2"	5/8"	20.63	14.54	15.90
LC06051408	1/2"	7/8"	26	14.76	22.20

ROUTER BITS



COVE BIT WITH BEARING

PART NO.	SHANK	SIZE	D	H	R	B
LC07020404	1/4"	1/4"	15.35	6.35	3.17	3.17
LC07020604	1/4"	3/8"	22.50	7.80	4.76	4.76
LC07020804	1/4"	1/2"	25.70	9.52	6.35	6.35
LC07021204	1/4"	3/4"	32.10	12.30	9.52	9.52
LC07021604	1/4"	1"	38.40	15.80	12.70	12.70
LC07020608	1/2"	3/8"	22.50	7.80	4.76	4.76
LC07020808	1/2"	1/2"	25.70	9.52	6.35	6.35
LC07021208	1/2"	3/4"	32.10	12.30	9.52	9.52
LC07021608	1/2"	1"	38.40	15.80	12.70	12.70
LC07022008	1/2"	1 - 1/4"	44.80	19.40	15.90	15.90



CLASSICAL COVE BIT

PART NO.	SHANK	SIZE	D	H	R	B
LC07030608	1/2"	3/8"	24.90	12.70	4.76	7.95
LC07030808	1/2"	1/2"	28.10	15.90	6.35	9.55
LC07031208	1/2"	3/4"	34.40	19.05	9.52	12.70
LC07031608	1/2"	1"	40.75	22.20	12.70	15.87
LC07032008	1/2"	1 - 1/4"	47.14	25.40	15.90	19.07



ROMAN OGEET WITH BEARING

PART NO.	SHANK	SIZE	D	H	R	B
LC08010604	1/4"	3/8"	22.50	8	2.38	4.76
LC08010804	1/4"	1/2"	25.70	9.70	3.17	6.35
LC08011004	1/4"	5/8"	28.90	11.50	3.96	7.95
LC08011204	1/4"	3/4"	32	14	4.76	9.52
LC08011604	1/4"	1"	38.20	18.20	6.35	12.70
LC08011008	1/2"	5/8"	28.90	11.50	3.96	7.95
LC08011208	1/2"	3/4"	32	14	4.76	9.52
LC08011608	1/2"	1"	38.20	18.20	6.35	12.70
LC08012408	1/2"	1 - 1/2"	51.10	25.50	9.52	19.05



ROUTER BITS



CLASSICAL MOULDING BIT

PART NO.	SHANK	SIZE	D	H	R
LC08020804	1/4"	1/2"	25.70	9.52	3.17
LC08021004	1/4"	5/8"	28.90	12.70	3.96
LC08021208	1/2"	3/4"	32.05	14.30	4.76
LC08021808	1/2"	1 - 1/8"	14.60	20.65	7.15



CLASSICAL OGEE BIT

PART NO.	SHANK	SIZE	D	H	R1	R2
LC08081604	1/4"	1"	38.40	15.90	4.76	7.93
LC08081808	1/2"	1 1/8"	41.54	17.40	5.55	8.72



T-SLOTTING CUTTER

PART NO.	SHANK	SIZE	D	H
LC16040154	1/4"	3/32"	31.75	2.38
LC16040204	1/4"	1/8"	31.75	3.17
LC16040404	1/4"	1/4"	31.75	6.35
LC16040804	1/4"	1/2"	31.75	12.70



KEY HOLE BIT

PART NO.	SHANK	SIZE	D	H	R
LC16020804M	1/4"	1/2"	12.70	6.35	4.76



ROUTER BIT SET

PART NO.	DESCRIPTION	SIZE
LC - 012B	12 Pcs. Router Bit Set	1/4"
LC - 006A	6 Pcs. Router Bit Set	1/4"
LC - 005P	5 Pcs. Hinge Boring Bit	1/4" & 1/2"

CUP AND WHEEL BRUSH



BOWL CUP - CRIMPED WIRE

PART NO.	DIAMETER	BORE	MAX. RPM
PCCB 10	75mm (3")	m10 x 1.5	12, 500
PCCB 10J	75mm (3")	m10 x 1.25	12, 500
PCCB 14	75mm (3")	m14 x 2	12, 500
PCCB 14F	100mm (4")	m14 x 2	8, 500
PCCB 16	100mm (4")	m16 x 2	8, 500

BOWL CUP - TWIST KNOT

PART NO.	DIAMETER	BORE	MAX. RPM
PTCB 10	75mm (3")	m10 x 1.5	12, 500
PTCB 10J	75mm (3")	m10 x 1.25	12, 500
PTCB 14	75mm (3")	m14 x 2	12, 500
PTCB 14F	100 mm (4")	m14 x 2	8, 500
PTCB 16	100mm (4")	m16 x 2	8, 500

CIRCULAR WIRE BRUSHES - CRIMPED WIRE

PART NO.	DIAMETER	BORE	MAX. RPM
PCWB 100	100mm (4")	20mm	6, 000
PCWB 150	150mm (6")	32mm	6, 000
PCWB 200	200mm (8")	32mm	4, 500

SHAFT MOUNTED BRUSHES - CRIMPED WIRE

PART NO.	DIAMETER	BORE	MAX. RPM
Cup brush:			
PSMCB 50	50mm (2")	6mm	4, 500
PSMCB 75	75mm (3")	6mm	4, 500
Circular brush:			
PSMWB 50	50mm (2")	6mm	4, 500
PSMWB 75	75mm (3")	6mm	4, 500
PSMWB 100	100mm (4")	6mm	4, 500
End Brush:			
PSMEB 12	12mm	6mm	4, 500
PSMEB 24	24mm	6mm	4, 500
PSMEB 30	30mm	6mm	4, 500



SHAFT MOUNTED BRUSH SET - CRIMPED WIRE

PART NO.	DIAMETER	BORE	MAX. RPM
PSMBS33103	3 pcs.	6mm	4, 500
PSMBS33104	4pcs.	6mm	4, 500
PSMBS235005	5pcs.	6mm	4, 500
PSMBS53006	6 pcs.	6mm	4, 500
PSMBS10030	30 pcs.	6mm	4, 500
PSMBS43036	36 pcs.	6mm	4, 500



GRINDING AND CUTTING DISC

GRINDING DISC

PART NO.	SIZE	APPLICATION
PCGD 100	100 x 6 x 16mm 4" x 1/4" x 5/8"	Steel
PCGD 125	125 x 6 x 22.23mm 5" x 1/4" x 7/8"	Steel
PCGD 180	180 x 6 x 22.23mm 7" x 1/4" x 7/8"	Steel



CUTTING DISC

PART NO.	SIZE	APPLICATION
PCCD 100	100 x 2.5 x 16mm [4" x 3/32" x 5/8"]	Steel
PCCD 105-S	105 x 1.2 x 16mm (Super Thin)	Steel
PCCD 100-2 <small>double net</small>	100 x 2.5 x 16mm [4" x 3/32" x 5/8"]	Steel
PCCD 125	125 x 2.5 x 22.23mm [5" x 3/32" x 7/8"]	Steel
PCCD 180	180 x 2.5 x 22.23mm [7" x 3/32" x 7/8"]	Steel
PCCD 180-2 <small>double net</small>	180 x 2.5 x 22.23mm [7" x 3/32" x 7/8"]	Steel
PCCD 300	300 x 3.0 x 25mm [12" x 1/8" x 1"]	Steel
PCCD 305 <small>double net</small>	300 x 3.0 x 25mm [12" x 1/8" x 1"]	Steel
PCCD 355 <small>double net</small>	350 x 3.0 x 25mm [14" x 1/8" x 1"]	Steel
PCCD 400	400 x 3.0 x 25mm [16" x 1/8" x 1"]	Steel
PCCD 405 <small>double net</small>	400 x 3.0 x 25mm [16" x 1/8" x 1"]	Steel



FLAP DISC

PART NO.	SIZE	GRIT	APPLICATION
PCFD 100-36	100 x 16mm [4" x 5/8"]	36	Steel
PCFD 100-60	100 x 16mm [4" x 5/8"]	60	Steel
PCFD 100-80	100 x 16mm [4" x 5/8"]	80	Steel
PCFD 100-100	100 x 16mm [4" x 5/8"]	100	Steel
PCFD 100-120	100 x 16mm [4" x 5/8"]	120	Steel
PCFD 100-60Z	100 x 16mm [4" x 5/8"]	60	Stainless
PCFD 100-80Z	100 x 16mm [4" x 5/8"]	80	Stainless
PCFD 100-100Z	100 x 16mm [4" x 5/8"]	100	Stainless
PCFD 100-120Z	100 x 16mm [4" x 5/8"]	120	Stainless
PFFD 100-40	100 x 16mm [4" x 5/8"]	40	Steel
PFFD 100-80	100 x 16mm [4" x 5/8"]	80	Steel
PFFD 100-120	100 x 16mm [4" x 5/8"]	120	Steel

Flexible



CUP WHEEL



TURBO RIM

PART NO.	OUTSIDE DIAMETER	SIZE
PCDCW 100T	4"	20/16 mm
PCDCW125T	5"	22.2/20 mm

- longer tool life but slower grinding performance
- rough finish when grinding

SEGMENTED RIM		
PART NO.	OUTSIDE DIAMETER	SIZE
PCDCW100SR	4"	20/16 mm
PCDCW	7"	22.2/20 mm

- faster concrete grinding but less tool life
- finer finish when grinding



AGRESSOR - DOUBLE RIM

PART NO.	OUTSIDE DIAMETER	SIZE
PCDCW 100DRB	4"	20/16 mm
PCDCW 125DRB	5"	22.2/20 mm

- very fast grinding performance



DIAMOND BLADE



CONTINUOUS RIM

PART NO.	OUTSIDE DIAMETER	SIZE
PCDB 100CG	4"	20/16 mm

- for cutting tiles



SEGMENTED RIM

PART NO.	OUTSIDE DIAMETER	SIZE
PCDB 100S	4"	20/16 mm
PCDB 125S	5"	22.2/20 mm
PCDB 180S	7"	22.2/20 mm
PCDB 230S	9"	27/25.4 mm

- best for concrete, reinforced concrete, sand lime brick and clinker



TURBO RIM

PART NO.	OUTSIDE DIAMETER	SIZE
PCDB 100T	4"	20/16 mm
PCDB 150T	5"	22.2/20 mm
PCDB 180T	7"	22.2/20 mm
PCDB 230T	9"	27/25.4 mm

- best for natural stone, granite, marble, tiles



SUPER THIN

PART NO.	OUTSIDE DIAMETER	SIZE
PCDB 100TST	4"	20/16 mm
PCDB 200TST	8"	27/25.4 mm
PCDB 250TST	10"	27/25.4 mm

- 1.2 mm thin

DIAMOND BLADE



**1 KM CUT
GUARANTEED!**

GENERAL PURPOSE - CURED CONCRETE

PART NO.	OUTSIDE DIAMETER	BORE DIAMETER
PCDB 300LC	12"	27/25.4 mm
PCDB 350LC	14"	27/25.4 mm

- for concrete and reinforced concrete roads



**1 KM CUT
GUARANTEED!**

GENERAL PURPOSE - CURED CONCRETE

PART NO.	OUTSIDE DIAMETER	BORE DIAMETER
PCDB 350RM	14"	27/25.4 mm
PCDB 400RM	16"	27/25.4 mm
PCDB 450RM	18"	27/25.4 mm

- for asphalt and concrete combination roads



ECO - PLUS+ SERIES

- still cuts well for basic application
- eco - plus+ series the more economical version of POWERCRAFT diamond blades.



CONTINUOUS RIM



SEGMENTED RIM

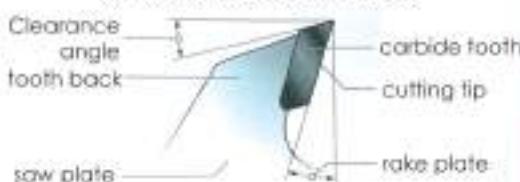


TURBO RIM



CIRCULAR SAW

TECHNICAL CHARACTERISTICS OF THE CIRCULAR SAW BLADES



FOR WOOD



6" - 20T



7" - 40T



7" - 60T



TCT PROFESSIONAL TYPE CIRCULAR SAW BLADES

PART NO.	SIZE	BORE	NO. OF TEETH
PCCS110-30TK	4 - 1/4"	110mm	20/16mm 30T
PCCS160-20TK	6"	160mm	20/16mm 20T
PCCS160-40TK	6"	160mm	20/16mm 40T
PCCS184-20TK	7 - 1/4"	184mm	20/16mm 20T
PCCS184-20ETK	7 - 1/4"	184mm	30/20mm 20T
PCCS184-40TK	7 - 1/4"	184mm	20/16mm 40T
PCCS184-40ETK	7 - 1/4"	184mm	30/20mm 40T
PCCS184-60TK	7 - 1/4"	184mm	20/16mm 60T
PCCS184-60ETK	7 - 1/4"	184mm	30/20mm 60T
PCCS200-20TK	8"	200mm	1" 20T
PCCS200-20ETK	8"	200mm	30/25.4mm 20T
PCCS200-40TK	8"	200mm	1" 40T
PCCS200-40ETK	8"	200mm	30/25.4mm 40T
PCCS200-60ETK	8"	200mm	30/25.4mm 60T
PCCS250-30	10"	250mm	1" 30T
PCCS250-30E	10"	250mm	30 / 25.4mm 30T
PCCS250-40	10"	250mm	1" 40T
PCCS250-40E	10"	250mm	30 / 25.4mm 40T
PCCS250-60	10"	250mm	1" 60T
PCCS250-60E	10"	250mm	30 / 25.4mm 60T
PCCS250-80	10"	250mm	1" 80T
PCCS250-80E	10"	250mm	30 / 25.4mm 80T
PCCS250-100	10"	250mm	1" 100T
PCCS250-100E	10"	250mm	30 / 25.4mm 100T
PCCS300-30	12"	300mm	1" 30T
PCCS300-30E	12"	300mm	30 / 25.4mm 30T
PCCS300-40	12"	300mm	1" 40T
PCCS300-40E	12"	300mm	30 / 25.4mm 40T
PCCS300-60	12"	300mm	1" 60T
PCCS300-60E	12"	300mm	30 / 25.4mm 60T
PCCS300-80	12"	300mm	1" 80T
PCCS300-80E	12"	300mm	30 / 25.4mm 80T
PCCS300-100	12"	300mm	1" 100T
PCCS300-100E	12"	300mm	30 / 25.4mm 100T
PCCS350-40	14"	350mm	1" 40T
PCCS350-60	14"	350mm	1" 60T
PCCS350-80	14"	350mm	1" 80T
PCCS350-100	14"	350mm	1" 100T
PCCS405-40	16"	405mm	1" 40T

TCT PROFESSIONAL TYPE CIRCULAR SAW BLADES

FOR ALUMINUM

PART NO.	SIZE	BORE	NO. OF TEETH
PCCS250A-100TK	10"	250mm	1" 100T
PCCS250A-100ETK	10"	250mm	30/25.4mm 100T
PCCS250A-120TK	10"	250mm	1" 120T
PCCS250A-120ETK	10"	250mm	30/25.4mm 120T
PCCS300A-120TK	12"	300mm	1" 120T
PCCS300A-120-ETK	12"	300mm	30/25.4mm 120T
PCCS350A-120	14"	350mm	1" 120T
PCCS405A-120	16"	405mm	1" 120T



12" - 100T



III

Get that power!



AIR TOOLS

AIR DUSTER AND SPRAY GUN



PBG4



PBG 4HD



PBG 10



PAD 8033-1



PATK 8763

AIR DUSTER GUN

PART NO.	DESCRIPTION	SIZE OF NOZZLE	PRESSURE
PAD 8035-1 (PBG4)	Plastic Air Blow Gun	100mm	145 psi [10 bar]
PAD 8035-1(PBG 4HD)	Plastic Air Blow Gun	100mm	145 psi [10 bar]
PAD 8035-2 (PBG-10)	Plasti Air Blow Gun	270mm	145 psi [10 bar]
PAD 8033-1	Alum. Air Blow Gun		145 psi [10 bar]
PAD 8761	Alum. Air Blow gun set with long-sized nozzle, 1/4" F-coupler, hose adapter		
PATK 8763	Air Blow Gun with Tire Chuck and 5m Recoil Hose		



PSG K3



PCSG 71G



PCSG 71S



PSG 77S



PSG P827HVLP



PAHCG 8300



PCSG 71G



PCSG 71S



PSG1005HVLP



PAEG8036C

SPRAY GUN

PART NO.	FEED SYSTEM	NOZZLE SIZE	OPERATING PRESSURE	PATTERN WIDTH	AIR CONSUMPTION	PAINT CAPACITY
PSG K3	Gravity	0.5 mm	45~60 psi	40 mm	2.4 cfm	125 cc
PCSG 71G	Gravity	1.3 mm	43~98 psi	155 mm	3.0 cfm	400 cc
PCSG 71S	Suction	1.5 mm	43~95 psi	170 mm	5.8 cfm	1000 cc
PSG 77S	Suction	2.0 mm	45~60 psi	160-210 mm	4.2 - 7.1 cfm	1000 cc
PSG1006HVLP	Gravity	1.4 mm	30~50 psi	180-250 mm	4.2 - 7.1 cfm	600 cc
PAHCG 8300	Gravity	4, 6, 8 mm	45~60 psi	160-220 mm		5000 cc
PSG1005HVLP	Suction	1.4 mm	40~50 psi	180-250 mm	4.2 - 7.1 cfm	1000 cc
PAEG 8036C	Description: Air Engine Cleaning Gun					

AIR TOOLS



PCSBG-2



PS-3

AIR TOOLS

PART NO.	AIR INLET	PRESSURE HOSE	RATED PRESSURE	MAXIMUM PRESSURE
PCSBG-2	1/4"	1/2"	< 70 PSI	150 PSI
PS3	1/4"	3/4"	< 70 PSI	150 PSI



PTIG 8037-3



PATK 8031K3



PSGK 4D-8031

AIR TOOL KIT

PART NO.	DESCRIPTION	CONTENT
PATK 8031K3	3 pcs. Air Tool Kit	Blow gun, Tyre Inflating Gun, 5m Recoil Hose
PTIG 8073-3	Tyre Inflating Gun 1/4" NPT, 175 psi (12 bar)	
PSGK 4D-8031	4 pcs. Tool Kit (Inflating Gun, Blow Gun, Spray Gun, Air Hose)	



PCIW 1240



PCIW 1250



PCIW1250-K

PNEUMATIC IMPACT WRENCH KIT

PART NO.	DESCRIPTION
PCIW 1240	Max Torque 500ft-lb (678 Nm); Max PSI 90 PSI (6.2 BAR) Air Consumption 5 CFM (142l l/min); Air Hose 3/8" Air Inlet 1/4" Free Speed 9500 RPM; Overall Length 4 - 13/16" (122mm) Exhaust Handle Exhaust w/ Muffler; Net Weight 3.5 lbs (1.6kgs)
PCIW 1250	Max Torque 500ft-lb (678 Nm); Max PSI 90 PSI (6.2 BAR) Air Consumption 4.2 CFM (119 l/min); Air Hose 3/8" Air Inlet 1/4" Free Speed 7000 RPM; Overall Length 7 - 19/64" (185mm) Exhaust Handle Exhaust w/ Muffler; Net Weight 3.5 lbs (2.6 kgs)
PCIW1250-K	Max Torque 500ft-lb (678 Nm); Max PSI 90 PSI (6.2 BAR); Air Consumption 4.2 CFM (119 l/min); Speed 700 RPM; Set Includes: 1/2 Drive Sockets; Size: 10, 11, 12, 13, 14, 17, 19, 21, 22, 24 mm Extension Bar 1/2 x 5"; Mini oiler 1/4"; Air Nipple 1/4"; Oil Pot



AIR TOOLS ACCESSORIES AND PARTS



PQC BF



PQC P



PQC PF



PQC 8070



PRH 7.5



PAR 150A



PAF 80



PAFRL 80



PAFR 80

AIR TOOL ACCESSORIES

PART NO.	DESCRIPTION
PQC 8070	5 pcs. Quick Coupler Set
PQCBF	Quick Coupler Body Female 1/4"
PQCP	Quick Coupler Plug Female 1/4"
PAR 150A	Quick Coupler Plug 1/4"
PAF 80	Air Regulator
PAFR 80	Air Filter, 1-8 bar pressure, 1/4" NPT
PAFRL 80	Air Filter & Regulator, 1-8 bar pressure, 1/4" NPT
PRH 7.5M	Recoil Air Hose (PU) 7.5 mtr., 12 bar, 175 psi
PRH 10M	Recoil Air Hose (PU) 10 mtr., 12 bar, 175 psi
PRH 15M	Recoil Air Hose (PU) 15 mtr., 12 bar, 175 psi



PN 71S/71G



PSGGS 75/77



PAC 71S/71G



PFN 71S/71G



PN 71S/71G

AIR TOOL PARTS

PART NO.	DESCRIPTION
PNNC 1.8 71S/71G	Needle, Fluid Nozzle and Air Cap 1.8mm(Stainless) For Model PSG 71S and PSG 71G
PNN 1.8 71S/71G	Needle and Fluid Nozzle 1.8mm(Stainless) For Model PSG 71S and PSG 71G
PAC 71S/71G	Air Cap (Nozzle)
PFN 71S/71G	Fluid Nozzle
PN 71S/71G	Needle
PSGGS 75/77	Gasket for Model PSG 71S

Get that power!

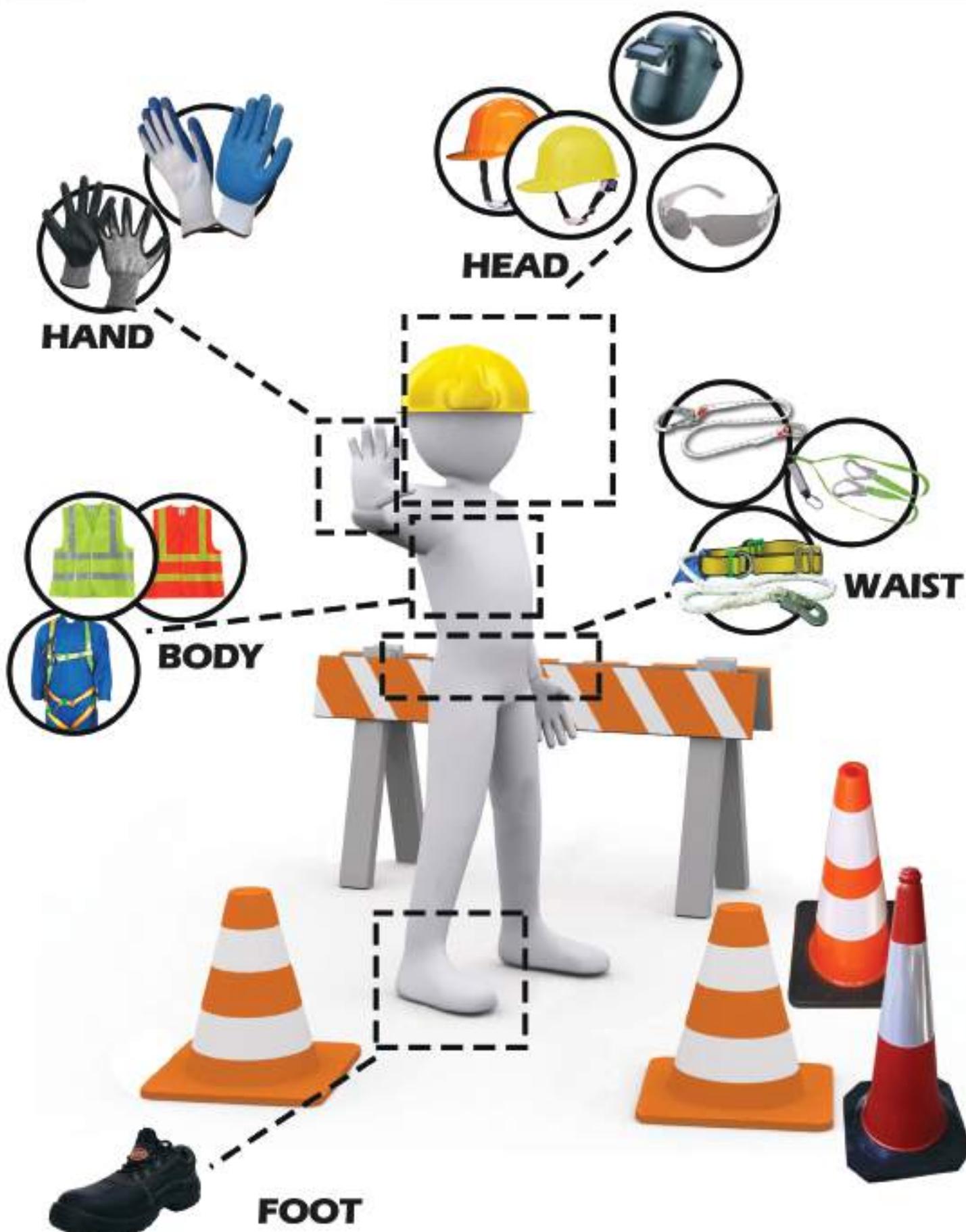
SAFETY EQUIPMENT



Safety First



SAFETY EQUIPMENT



SAFETY PPE

REFLECTIVE VEST



PCSVT-004 / PCSVT-005

100g Safety Vest
Silver PVC Tape
Green PVC Tape



PCSV-003

Orange Mesh Fabric
100g Green PVC Fabric



PCSV-001 / PCSV-002

5cm width; High Reflective Silver PVC Tape
Mesh Fabric / Polyester; Green PVC Tape
with Orange



PCSV-RX

Green PVC Tape with Adjustable
Strap and Buckle

RAIN SUITS



PCPR-001 / PCPR-002

Yellow Safety Rain Poncho Raincoat
Olive Green Safety Rain Poncho Raincoat
PVC / Polyester Material



PCJPR-003 - XL / PCJPR-005 - XXL

Yellow Elasticity Trouser Raincoat

PCJPR-004 - XL / PCJPR-006 - XXL

Green Elasticity Trouser Raincoat

FULL BODY HARNESS



Belt: 50 mm Width Polyester
Rope: 12 mm Kernmantle
Hook: 56 mm; Large Snap Hook:
Heat-treated, Forged Alloy Steel

PCSH-1H - D-Ring; Single
PCSH-2H - Double Hook; 5 PCS/CTN
PCSH-3H - Double Hook w/ Shock Absorber



PCSH-4H

Description: Tower Climbing Harness
Webbing Width: 45 mm
Material: 100% Polyester
Metallic Filling: Alloy Steel, Zinc Plated
Packing: Polyester Bag, 5 Aluminum D-Rings
Soft Back Support

SAFETY BELT



PCSB 777

Belt: Polyester
Rope: 17 mm x 135 cm HDPP
Flat Hook, Slide Type Buckle
D Ring: Single

SHOCK ABSORBING LANYARD



PCSKL-2H

Webbing Width: 45 mm
Material: 100% Polyester
Hooks: 2 Forged Large Snap Hook
Carabiner: Alloy Steel, Oval Type
Integrated Energy Absorber

LANYARD



PCLY-1H

Material: Kernmantle Rope 12 mm; 1.5 M
Hook: Large Alloy Steel Hook; Single Hook
Carabiner: Oval Type; Screw Gate

SAFETY SPECTACLES



PCSP 135

Material: High Impact Polycarbonate
Anti-Scratch

WELDING MASK



PCWM

Material: PP
Suspension: Ratchet Type, Open Type
Includes Dark and Clear Glass

SAFETY HELMET



PCSH

Material: ABS
Suspension: 6 PTS PE Pinlock Type w/
Chin Strap



SAFETY PPE

FULL BRIM HELMET



PCFBH-6W

Material: HDPE

Suspension: PE Suspension; 6 Points;
Pinlock Type

GLOVES



PCCRG-LSN

Orange Mesh Fabric

100g Green PVC Fabric

SAFETY SHOES



PCSS 316

Mid Plate: Kevlar

Vamp: Black Cow Split Embossed Leather

Collar: Black Synthetic PU Padding w/ Foam

Toe Cap: 200J Steel Toe Lining: Black Mesh

Outsole: Anti-Slip; Anti-Nail; Anti-Static; Shock
Absorbing; Double Density; PU/PU
Injection Sole

ROAD SAFETY

CAUTION & DANGER TAPE



PCCT 300

Material: HDPE; 3" x 305M



PCCT 300R

Material: HDPE; 3" x 305M

T-BOLLARD



PCTB-45

Material: PE

Height: 45" 2 PCS. High Intensity Self
Adhesive Reflective

FLEXIBLE POST



PCFP-30

Material: TPU

Height: 30"; 2 PCS. High Intensity Self
Adhesive Reflective

CHAIN CONNECTOR



PC-CHNC

Material: PE

For Connecting Chain

TRAFFIC CONE



PCTC-30PL

Material: PE w/ rubber base

Height: 30"

Base: 30cm x 38cm

Weight: Approx. 2.5kg

Reflective: 25cm x 1cm



PCTC-30RB

Material: PVC Body

Height: 30"

Base: 36cm x 36cm

Weight: Approx. 4.2kg



PCTC-36R

Material: Full PVC

Height: 36"

Base: 36cm x 36cm

Weight: Approx. 4.2kg

Reflective: 15cm x 1cm



SAFETY CLIMBING EQUIPMENT

KERNMANTLE ROPE & PULLEY



PCKR-105100

Size: 10.5 mm x 100 M



PCKR-11200

Size: 11 mm x 200 M



PCKR-11100

Size: 11 mm x 100 M



PCKR-12200

Size: 12 mm x 200 M



PCKR-12100

Size: 12 mm x 100 M



PCKR-13200

Size: 13 mm x 200 M



PCKR-105200

Size: 10.5 mm x 200 M



PCKR-16200

Size: 16 mm x 200 M



AP-081

Single Pulley

Case: Aluminum

Sheave: Aluminum Alloy

Max. Rope: 16 mm

Breaking Strength: 28Kn

Only for Synthetic Rope



AP-082

Aluminum Alloy Swing Side Pulley

Case: Aluminum Alloy

Standard Finish: Anodized

Max. Rope: 16 mm

Breaking Strength: 24Kn

Only for Synthetic Rope

CARABINERS



C15 OVAL TYPE CARABINER

Weight: 170 g

Diameter: 10 mm

Gate: Screw Type

Gate Opening: 20.6 mm



C001 D TYPE CARABINER

Weight: 313 g

Diameter: 13.5 mm

Gate: Screw Type

Gate Opening: 28.8 mm

ASCENDER



AAD-0329PL LEFT & RIGHT HAND ASCENDER

Material: PP

Suspension: Ratchet Type, Open Type

Includes Dark and Clear Glass



A696 CHEST ASCENDER

Material: Aluminum Alloy

Standard Finish: Anodized

Rope Compatibility: 8 - 13 mm

DESCENDER



A234-30 B DESCENDER

Material: Aluminum

Suspension: 30 kN

Made in Taiwan



A235 RESCUE B DESCENDER

Material: Aluminum Alloy

Max.: 40 kN



POWER
CRAFT



CONSTRUCTION TOOLS

REBAR TYING MACHINE



PC RT-34

SPECIFICATIONS

Tying Size	mm	8 - 34
Wire Diameter	mm	0.8
Voltage	V	12.8
Approx. Tying Time	sec	3
Wire Length	m	0.6 - 8

Distributed by:



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