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C. HYDRAULIC TOOLS & ACCESSORIES

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IMPACT WRENCHES (MADE IN USA)



Large lifting eye for easy and secure storage

High strength cast motor enclosure protects impact mechanism

Improved centre-of-gravity for superior ergonomics

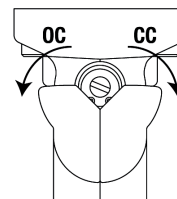
Longer, wider trigger provides improved control especially with a gloved hand

Impact and temperature resistant replaceable polymer grip dissipates heat

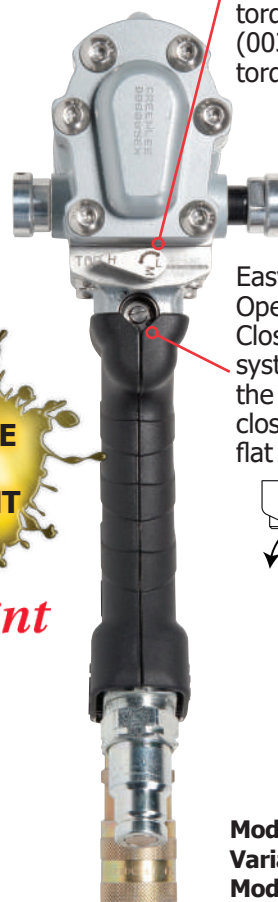
Internal hydraulic check valve eliminates damage from an improperly connected tool

Torque adjustment select or for quick adjustment of output torque settings (00372 variable torque model only)

Easy change between Open Centre and Closed Centre systems. To change the spool to open or closed circuit use a flat tip screw driver.



Trigger Guard Model Shown



Model No. 00372 Variable Torque Model Only

THE CHOICE IS YOURS...

Model No. 00373 (Standard) or 00372 (Variable Torque)

The high-torque, high-speed Hydraulic Impact Wrenches feature industry-leading torque and speed.

With high strength casting, reduced weight and widened trigger design, these wrenches drill holes through hardened timber poles in seconds rather than minutes. And, they have the torque (680Nm) to break free most rusty pole hardware. The 00372 Hydraulic Impact Wrench comes with a 3 position torque adjustment control and quick change access, to adjust the torque to suit the needs of each specific task. For instance, the torque can be reduced to prevent over tightening of new pole hardware. These Hydraulic Impact Wrenches are equipped with a 7/16" hex quick change chuck for use with all major brands of impact Augers as well as Greenlee Utility Nut Runner sockets, 45798 & 20920. Additionally, these wrenches feature design improvements that include a handle that reduces heat transfer, improved centre-of gravity for better balance and superior ergonomics, and increased service life.

Refer page 82–84 for impact accessories

Refer page 244 for impact wrench scabbards



IMPACT WRENCHES (MADE IN USA)

FEATURES

- Impact and temperature resistant replaceable polymer grip designed to dissipate heat from the cast handle
- Weight reduction of 14% to previous models
- Improved centre-of-gravity for superior ergonomics
- Increased service life with the addition of back-up rings and larger O-rings
- Built-in hydraulic check valve to eliminate damage from an improperly connected tool
- Large and strong lifting eye for easy and secure storage
- Longer and wider trigger provides improved control for use with insulated and leather outer gloves
- Fast and easy change between open centre systems and closed centre systems with no disassembly required
- Higher breaking torque in reverse to ensure you can remove tight bolts
- Cast motor enclosure that better protects the impact mechanism operation versus competing models with stamped steel enclosure
- Variable torque model easy to adjust

SPECIFICATIONS

Model No.	00373/FF	00372/FF
Type	Standard	Variable Torque
Capacity	7/16" hex	
Maximum Torque	677Nm @ 30 lpm	677Nm @ 30 lpm
Minimum Torque	-	213Nm @ 30 lpm
Weight (kg)	2.93	2.97
Length (mm)	208	
Width (mm)	107	
Height (mm)	280	
Hydraulic System	Super Spool selector for either open-centre or closed-centre	
Flow Range (lpm)	15-46	
Optimum Flow Range (lpm)	19-30	
Operating Pressure (Bar)	69-170	
Pressure Port Thread	9/16-18 SAE O-ring	
Return Port Thread	3/4-16 SAE O-ring	

ORDERING INFORMATION

Model No.	Description
00373/FF	High torque 1/2" square drive impact wrench with 7/16" hex quick change chuck and 49314 heavy-duty adapter (no trigger guard but includes M&F flush face couplings)
00373/FF/T-GUARD	High torque 1/2" square drive impact wrench with 7/16" hex quick change chuck and 49314 heavy-duty adapter (includes trigger guard and M&F flush face couplings)
00372/FF	High torque 1/2" square drive impact wrench with torque adjustment, 7/16" hex quick-change chuck and 49314 heavy-duty adapter (no trigger guard but includes M&F flush face couplings)
00372/FF/T-GUARD	High torque 1/2" square drive impact wrench with torque adjustment, 7/16" hex quick-change chuck and 49314 heavy-duty adapter (includes trigger guard and M&F flush face couplings)
00376	Trigger Guard Kit

Refer page 82–84 for impact accessories



No trigger guard model



Trigger guard model

Fairmont

NUT RUNNERS

ORDERING INFORMATION

Model No.	Description
45798	(NR1) Nut Runner c/with 7/16" quick change adapter
20920	(NR2) Nut Runner c/with 7/16" quick change adapter

SPECIFICATIONS

Model No.	45798	20920
Length w/o adapter (mm)	197	219
Length with adapter (mm)	241	279
Diameter (mm)	45	60
Weight with adapter (kg)	0.7	1.5
Square Nut Sizes	1", 13/16" 3/4", 5/8"	1-1/2" 1-5/16" 1-1/8"

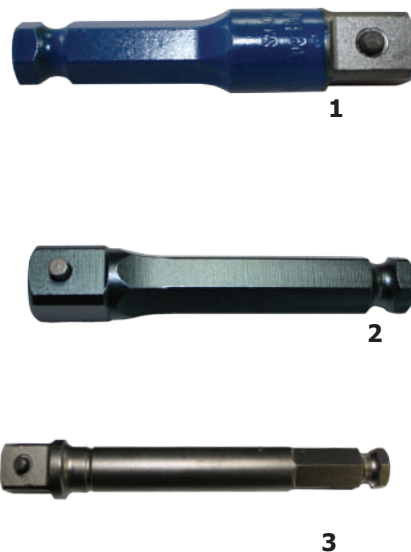
FEATURES

- Deep well accepts up to 152 mm excess bolt length.
- 7/16" hex quick-change adapter included.
- Slim profile for easy use and storage.



IMPACT ADAPTORS & EXTENSION

Model No.	Image #	Description
2801	1	Impact adaptor 1/2 square drive m x 7/16 hex dr male blue bully - designed for high powered torque impact wrenches, advanced technology, superior wear resistance
49314	2	Impact adaptor 1/2" square drive x 7/16" hex male - heavy duty
EX-501-5	3	Impact adaptor 1/2" square drive x 7/16" hex male - lock pin, 127mm long
EX-501-B-5	4	Impact adaptor 1/2" square drive x 7/16" hex male - lock ball, 127mm long
2403	5	7/16" Hex (1/2" Square Drive) Heavy Duty quick change chuck (Suits Bushranger Impact Auger Bits)



IMPACT DRIVER - J HOOK (1/2" SQ DRIVE)



Model No.
JHOOK-CENTRE

Two different types of "J" Hook Drivers (1/2" sq drive). Used with Impact Adaptor (# 2801) above to drive in or remove "J" hooks on hardwood utility poles, for service connections. One centred and the other is offset.



Model No.
JHOOK-CENTRE
49 x 14mm



Model No.
JHOOK-OFFSET



Model No.
JHOOK-OFFSET
50 x 13mm



Model No.
JHOOK-OFFSET LARGE
59x 12.5mm

IMPACT SOCKETS, ADAPTORS & EXTENSIONS



Model No. **MET-2450**



Model No. **98413L**

IMPACT SOCKET (KITS), DEEP, 1/2" SQUARE DRIVE

Model No.	Brand	Description
MET-2450	METRINCH *Sizes included in set (15 Sockets in Plastic case)	Kit, Impact Socket Set, Deep Wall (11-25mm and 7/16-1") Equivalent to a 42 piece set
98413L	T&E	Kit, Impact Socket Set, Deep Single Hex (11,12,13,14,16,17,18,19,21,22,24,27&30) In Metal Case
MET3000	as above (t) Sizes included in set (17 Sockets)	As above (11-25 + 30 & 36mm)

Mettrinch are the only sockets that work on metric (mm), inch (SAE/AF), BSW, BSF/BS and rounded or damaged nuts and bolts. Mettrinch sockets provide a 4 point grip instead of the standard 2 point grip.

METRINCH STANDARD & DEEP IMPACT SOCKETS, 1/2" SQUARE DRIVE

Combination (Imperial & Metric)				
Deep Model No.	Metric Size	Inch Size (SAE/AF)	BSW	BSF/BS
	6	1/4	-	-
	7	9/32	-	-
	8	5/16	-	-
	9	11/32	1/8	-
	10	3/8	-	-
¹ MET-2251B	11	7/16	3/16	1/4
¹ MET-2252B	12	15/32	-	-
¹ MET-2253B	13	1/2	-	-
¹ MET-2254B	14	19/32	1/4	5/16
¹ MET-2255B	15	9/16	-	-
¹ MET-2256B	16	5/8	5/16	3/8
¹ MET-2257B	17	11/16	-	-
¹ MET-2258B	18	23/32	-	-
¹ MET-2259B	19	3/4	3/8	7/16
¹ MET-2260B	20	25/32	-	-
¹ MET-2261B	21	13/16	7/16	1/2
¹ MET-2262B	22	7/8	-	-
¹ MET-2263B	23	29/32	1/2	9/16
¹ MET-2264B	24	15/16	-	-
¹ MET-2265B	25	1	-	-
	26	1 & 1/8	9/16	5/8
MET-2267B	27	1 & 3/32	-	-
MET-2268B	28	1 & 1/8	-	-
	29	1 & 5/32	5/8	11/16
¹ MET-2270B	30	1 & 3/16	-	-
	31	1 & 7/32	-	-
MET-2272B	32	1 & 1/4	11/16	3/4

IMPACT SOCKETS (SINGLE HEX), DEEP, 1/2" SQUARE DRIVE

Metric	
Model No.	Size
X410ML	10mm
X411ML	11mm
X412ML	12mm
X413ML	13mm
X414ML	14mm
X415ML	15mm
X416ML	16mm
X417ML	17mm
X418ML	18mm
X419ML	19mm
X420ML	20mm
X421ML	21mm
X422ML	22mm
X423ML	23mm
X424ML	24mm
X425ML	25mm
X426ML	26mm
X427ML	27mm
X429ML	29mm
X430ML	30mm
X432ML	32mm
X436ML	36mm

Imperial	
Model No.	Size
X414L	7/16"
X416L	1/2"
X418L	9/16"
X420	5/8"
X420L	5/8"
X422L	11/16"
X424L	3/4"
X425L	1"
X426L	13/16"
X428L	7/8"
X430L	15/16"
X434L	1 1/16"
X436L	1 1/8"
X438L	1 3/16"
X440L	1 1/4"
X442L	1 5/16"

MODEL No. ME-ISS1 SQUARE IMPACT SOCKET SET

This set of 1/2" square drive impact sockets for utility pole square fastenings. All 6 sockets are included in a weatherproof (foam cut) case.



FEATURES

- Set of six square sockets complete with a heavy duty carry case
- High strength alloy steel treated for additional toughness to prolong life of tools
- 1/2" square drive (adapter not included)

SPECIFICATIONS

Model No.	ME-ISS1
Material	High steel alloy steel, machined from billet, heat treated for additional toughness
Overall Dimensions	Box: 330 x 280 x 120mm Sockets 3/8"—30mm Dia x 82mm 1/2"—40mm Dia x 85mm 5/8"—42mm Dia x 87mm 3/4"—58mm Dia x 95mm 7/8"—62mm Dia x 100mm 1"—73mm Dia x 108mm
Square Socket Sizes	3/8", 1/2", 5/8", 3/4", 7/8" and 1"
Weight (kg)	6.5



Requires Blue Bully Impact Adaptor for use with Hydraulic Impact Wrench, Model No.2801



MODEL No. 605222601 METRIC DEEP IMPACT SOCKET SET

High quality 1/2" drive impact socket set metric deep style, supplied in case.



Model No. **605222601**

METRIC DEEP

26 Piece 1/2" Drive
6 Point Impact
Socket Set & Case

Sizes: 10,11,12,13,14,15,16,17,18,19,
20,21,22,23,24,25,26,27,28,29,30,32
33,34,35,36

**MODEL No. 00990 HIGH TORQUE IMPACT WRENCH –
3/4" SQUARE DRIVE (MADE IN USA)**



Model No.
00990

28%
Lighter*
17%
More Torque*
Redesigned housing
reduces weight,
increases power.

ORDERING INFORMATION

Model No.	Description
00990	3/4" Impact Wrench – 3/4" Square Drive

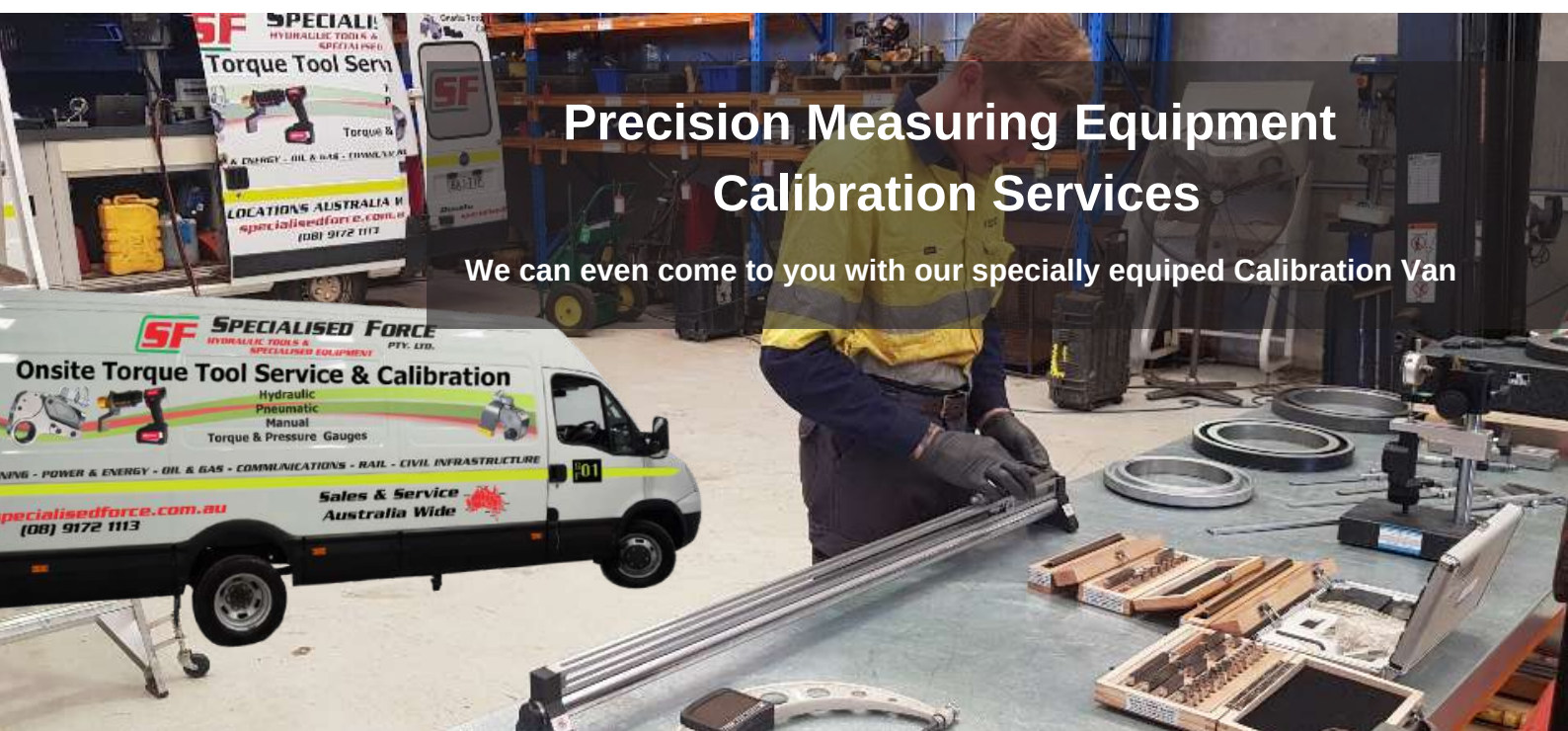
SPECIFICATIONS

Capacity	3/4" square drive
System	Super Spool Selector Control
Weight (kg)	4.75
Length (mm)	236
Width (mm)	107
Height (mm)	300
Flow Range (lpm)	15 - 45
Operating Pressure (Bar)	69 - 140
Torque Generated	1,742 Nm at 37.8lpm
Pressure Port Thd.	9/16 - 18 SAE O-Ring
Return Port Thd.	3/4 - 16 SAE O-Ring
RPM	2,800 rpm at 30 lpm (no load)

FEATURES

- High torque 3/4" impact wrench with 3/4" square drive with auxiliary handle
- Cool-Grip handle technology
- Integrated lifting eye
- Tri-Position auxiliary handle
- Self-regulating flow control
- Forward/reverse control

Fairmont
Is GREENLEE



Precision Measuring Equipment Calibration Services

We can even come to you with our specially equipped Calibration Van

- ✓ Depth Micrometers
- ✓ Dial Indicator (Plunger)
- ✓ Dial Indicator (Lever)
- ✓ Gauge Blocks
- ✓ Height Micrometers
- ✓ Inside Micrometers
- ✓ Micrometer heads
- ✓ Outside Micrometers
- ✓ Riser blocks
- ✓ Vernier Calipers
- ✓ Vernier Height Gauge



Limited calibration service branch locations-
Contact your nearest SF branch prior to visit

IMPACT AUGER BITS

FEATURES

- Especially designed for Australian hardwood
- Preferred by major Australian utilities
- Ideal for power poles, bridges and wharfs
- Manufactured from high grade alloy steel
- Individually packaged in plastic protective tube
- Vigorously tested under Australian conditions
- Can be resharpened
- Also available in tungsten tipped
(Add 'TT' to the end of the standard Model No. below)

Bushranger Augers are designed with a tough fast-cutting specially hardened lead screw and side cutting edges offering the longest tool life and lowest cost-per-hole.

Designed for rugged heavy duty boring jobs in all types of hardwood. Used for utility poles, timber bridges and for pest control applications. Precision machined on absolute centres for easy smooth boring (no wobble). 7/16" hex shank for quick change chuck or standard keyed chuck.



Model Number	Size OD (mm)	Length (mm)
STMSF808X200	8	200
STMSF810X200	10	200
STMSF811X225	11	225
STMSF812X225	12	225
STMSF814X225	14	225
STMSF814X457	14	457
STMSF814X600	14	600
STMSF815X225	15	225
STMSF816X225	16	225
STMSF816X457	16	457
STMSF816X600 SPC*	16	600
STMSF818X225	18	225
STMSF818X457	18	457
STMSF818X600	18	600
STMSF819x600	19	600

Model Number	Size OD (mm)	Length (mm)
STMSF820X225	20	225
STMSF820X457	20	457
STMSF820X600	20	600
STMSF822X225	22	225
STMSF822X457	22	457
STMSF822X600	22	600
STMSF822X900	22	900
STMSF825X457	25	457
STMSF825X600	25	600
STMSF825X900	25	900
STMSF826x225	26	225
STMSF826X457	26	457
STMSF829X457	29	457
STMSF829X600	29	600
STMSF832X600	32	600

*"SPC" Model specifically improved design for Australian Hardwood Pole Inspection drilling

LONG REACH POLE CHAIN SAWS (MADE IN JAPAN)



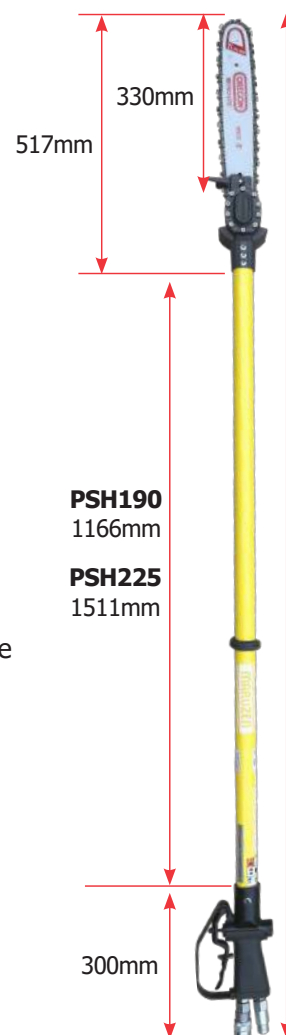
**Foam Filled Fibreglass Tube,
Meets OSHA Reg. 1910.269**

FEATURES

- Cuts hard-to-reach branches from EWP or from the ground.
- Available in two lengths.
- Safety features include: 38mm internally foam filled fibreglass insulated pole (to eliminate moisture ingress), tested to 100kV per 300mm for 5min, two-step trigger, trigger guard, and fully covered sprocket guard.
- Adjustable rubber marker.
- Meets OSHA Regulation 1910.269
- Adjustable automatic chain oiler.
- Suitable for open (OC) and closed (CC) centre circuits.
- Rugged high torque gear motor.
- Includes the NEW Oregon SpeedCut bar and chain.

NEW OREGON SPEEDCUT BAR AND CHAIN

- Weighs 205g less than previous model (825g to 620g).
- Time cutting a 250mm tree branch was reduced from 30-32 seconds to 25-28 seconds.



PSH190
1166mm

PSH225
1511mm

SPECIFICATIONS

Model No.	PSH190	PSH225
Overall Length	1983mm	2328mm
Cutting Capacity	330mm (13")	
Operating Pressure	70 - 110 bar	
Allowable Back Pressure	40 bar	
Max. Pressure	14.3 bar	
Torque	3.53 Nm	
Flow Rate (Litres Per Minute)	20 (min) - 30 (max)	
Revs Per Minute	5800 at 20 litres per min / 8400 at 30 litres per min	
Couplers Included	Male & Female Quick Connect Flush Face Couplings	
Pressure & Return Port Thread	3/8" BSPP O-Ring Seal	
Extension Hose	Max. ID 3/8" x 20 metres	
Weight	4.6kg	4.8kg

LONG REACH POLE CHAIN SAWS (MADE IN USA)

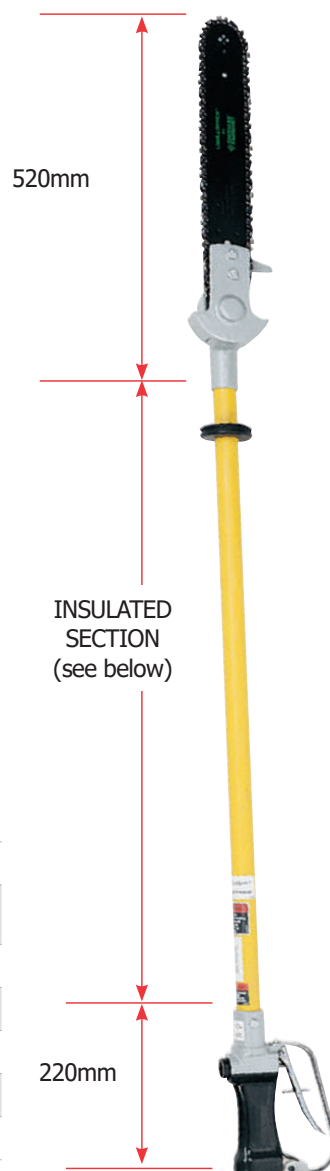
FEATURES

- Cuts hard-to-reach branches from EWP or from the ground.
- Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems.
- Available in two lengths.
- Insulated fibreglass extension tubes, tested to meet OSHA Regulation 1910.269 with fibreglass tube tested to 100KVA per 300mm for 5 minutes
- Safety features include: two-step trigger, trigger guard, and fully covered sprocket guard.
- Anti-kickback chain and automatic chain oiler.
- Rugged high torque gear motor.
- Internal tube Foam Filled to eliminate moisture ingress.
- Includes flush face couplers "FF"



SPECIFICATIONS

Cutting Capacity	330mm (13")
System	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems
Width (mm)	102
Flow Range (lpm)	19-30
Operating Pressure (Bar)	69 - 140
Pressure Port Thread	9/16 - 18 SAE O-Ring
Return Port thread	3/4 - 16 SAE O-Ring



Model No.	Description	Length (m)	Insulated Section Length (m)	Weight (kg)
17140/FF	Foam Filled Long Reach Chain Saw with M & F Flush Face Couplings	1.90 (75")	1.185	4.6
17142/FF	Foam Filled Long Reach Chain Saw with M & F Flush Face Couplings	2.25 (88.5")	1.528	4.9



CHAIN SAWS (MADE IN USA)



Pistol-Grip Chain Saws

Standard Chain Saws

Fairmont**Pistol Grip Model****Standard Model**

FEATURES

- Lightweight – ideal for cutting back or trimming from EWP
- Chain and bar can be adjusted without removing sprocket cover
- Sprocket cover can be removed without tools for easy saw cleaning
- Handle position can be oriented to horizontal, or to 60° or 30° relative to bar and chain to user preference (except on model with chain brake)
- Rugged gear motor and expanded chip exit area
- Supplied with 305 mm steel braided whip hoses
- Ideal for large trimming applications and cut-up removal jobs
- Chain brake models meet requirements of ISO 6535
- Reduced kickback bar and chain.
- Safety features include: two-step trigger, high impact polymer front handle/shroud, wide lower handle protects hands/knuckles, chain catcher stops chain rotation
- Automatic chain oiler can be adjusted without tools

SPECIFICATIONS

Style	Pistol Grip	Pistol Grip	Standard	Standard	Standard
Model No.	49565/FF	45826/FF	49566/FF	45653/FF	49603/FF
	-	Chain Brake Model	-	Chain Brake Model	-
Cutting Capacity (mm)	330	330	406	406	508
System	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems
Flow Range (lpm)	15-30	15-30	15-30	15-30	15-30
Operating Pressure (Bar)	69-140	69-140	69-140	69-140	69-140
Pressure Port Thread	9/16-18 SAE O-Ring	9/16-18 SAE O-Ring	9/16-18 SAE O-Ring	9/16-18 SAE O-Ring	9/16-18 SAE O-Ring
Return Port thread	3/4-16 SAE O-Ring	3/4-16 SAE O-Ring	3/4-16 SAE O-Ring	3/4-16 SAE O-Ring	3/4-16 SAE O-Ring
Weight (kg)	3.9	3.9	4.3	4.3	4.6
Length (mm)	673	673	800	800	902
Width (mm)	254	254	254	254	254

All units include flush face couplers "FF"

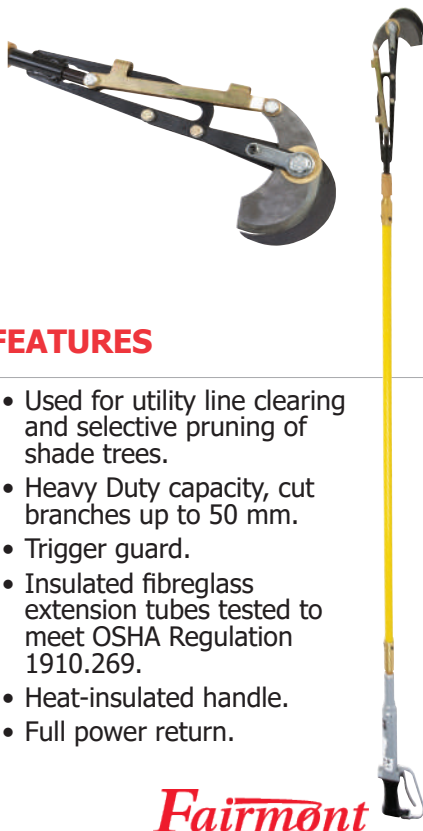
Refer page 244 for chainsaw scabbards

LONG REACH PRUNERS & SAW (MADE IN USA)



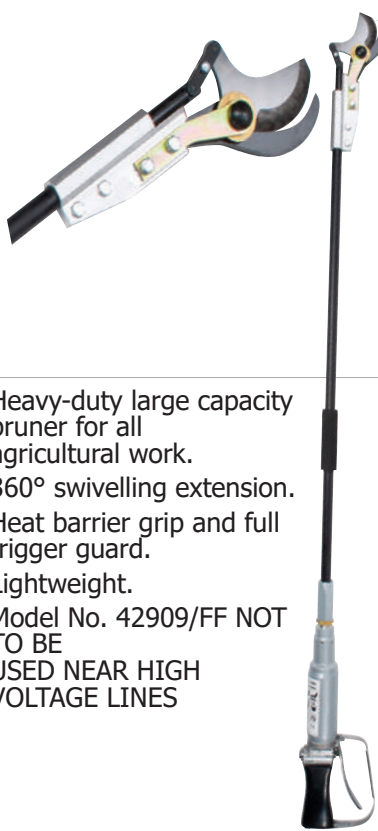
Utility Pruner

Model No. 48520/FF



Orchard and Shade Tree Pruner

Model No. 42909/FF



Overhead Circular Saw

Model No. 43180/FF



FEATURES

- Used for utility line clearing and selective pruning of shade trees.
- Heavy Duty capacity, cut branches up to 50 mm.
- Trigger guard.
- Insulated fibreglass extension tubes tested to meet OSHA Regulation 1910.269.
- Heat-insulated handle.
- Full power return.

Fairmont

- Heavy-duty large capacity pruner for all agricultural work.
- 360° swivelling extension.
- Heat barrier grip and full trigger guard.
- Lightweight.
- Model No. 42909/FF NOT TO BE USED NEAR HIGH VOLTAGE LINES

- Use for high production utility line clearing and general tree clearing applications
- Super Spool selector control for Open and Closed-Centre hydraulic systems
- Safety features include: hand stop collar, trigger guard, two-step trigger and branch stop
- Insulated fibreglass extension tube, tested to meet OSHA regulation 1910.269
- Rugged gear motor Angular head design makes flush cuts easier and directs chips away from the operator
- 229mm diameter blade standard

SPECIFICATIONS

Style	Utility Pruner	Orchard & Shade Pruner	Circular Saw
Model No.	48520/FF	42909/FF	43180/FF
Optional Accessories	* 11660 (Conversion Kit for Closed Center Systems)	* 11660 (Conversion Kit for Closed Center Systems)	(Replacement blade # 42853)
Cutting Capacity (mm)	50	44	89
Extension Type	Hollow Fibreglass Tube – tested to 100kVA/5min		Hollow Fibreglass Tube - tested to 100kVA/5min
System	Open-Centre*	Open-Centre	Open / Closed
Flow Range (lpm)	15-23	15-23	15-23
Operating Pressure (bar)	69-140	69-140	69-140
Pressure Port Thread	9/16 – 18 SAE O’ring	3/8” NPTF	9/16 – 18 SAE O’ring
Return Port Thread	3/4 – 16 SAE O’ring	3/8” NPTF	3/4 – 16 SAE O’ring
Weight (kg)	4.8	3.5	4.4
Length (m)	2.16	1.5	2.1
Width (mm)	158	152	229 (Blade Diameter)

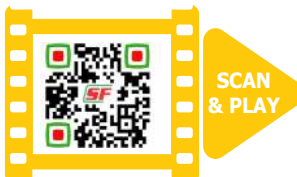
* Refer to accessories for closed centre conversion kit, all units include flush face couplers "FF"

POLE TAMPERS (MADE IN USA)



FEATURES

- Makes quick work of setting poles, asphalt patch, and general construction backfill compacting.
- Only three moving parts for low maintenance.
- Kidney-shaped foot included.
- Hose End Valve - Reversible on/off valve for Open and Closed-Centre hydraulic systems.
- Valve on Tube - Rotate trigger spool for Open and Closed-Centre hydraulic systems.
- Includes flush face couplers "FF".



The Tamp-Safe handle was designed by a professional linesman for the safety of utility workers. Tamp-Safe handles are built with safety in mind. It puts the operator's hand in a safe position away from the hydraulic hoses. Our innovative handle is designed to attach to most hydraulic tampers, including Greenlee/Fairmont, Reliable, and Stanley tampers.



Hose End Valve


 TS1001
 Greenlee Hose
 End Valve Model

See below table for Tamp-Safe models


 Kidney Shape
 Foot ideal for
 Pole Filling

 TS2001G
 Greenlee Valve
 on Tube Model


On Tube Valve

SPECIFICATIONS

Style	Hose End Valve	Hose End With No On/Off Valve	Hose End Valve	Valve on Tube	Valve on Tube
Model No.	42198/FF	42202/FF	42199/FF	42201/FF	42200/FF
Length (mm)	1500	1500	2200	1500	1800
System	9/16 & 3/4		Open- and Closed-Centre		
Flow Range (lpm)	15-23	15-23	15-23	15-23	15-23
Operating Pressure (Bar)	69-138	69-138	69-138	69-138	69-138
Pressure Port Thread	9/16-18 SAE O-Ring 3/4-16 SAE O-Ring	9/16 M18 JIC 9/16 M18 JIC	9/16-18 SAE O-Ring 3/4-16 SAE O-Ring	9/16-18 SAE O-Ring 3/4-16 SAE O-Ring	9/16-18 SAE O-Ring 3/4-16 SAE O-Ring
Return Port thread	9/16 M18 JIC 3/4-16 SAE O-Ring				
Std Foot Size (mm)	63 x 203 (Kidney Shape)	63 x 203 (Kidney Shape)	63 x 203 (Kidney Shape)	63 x 203 (Kidney Shape)	63 x 203 (Kidney Shape)
Blows per minute @ 19lpm	1,160	1,160	1,160	1,160	1,160
Width (mm)	102	102	102	102	102
Weight (kg)	10.4	10.4	12.7	9.8	10.4
**Tamp-Safe Model No.	TS1001	TS1001	TS1001	N/A	N/A

Suffix "/FF" means supplied with standard low pressure flush face couplings

**NOTE: Models available for Stanley & Reliable - Please Contact your Nearest Specialised Force Branch & Advise the Tamper Model Number

HYDRAULIC UTILITY POLE PULLER (MADE IN USA)



TiiGER's Pole Puller is the lightest and safest on the market

Model No. 4001D Hydraulic Pole Puller with Pole Puller Pad



Model No. HA0040 Pole Puller Pad (Sold Separately)
- Engineered with the strength to take the full force of the pole pulling, and the flexibility not to crack.

Weight: 6.3 kg
Dimensions: 736x610x32 mm



Swivel assembly pre-tensions the chain providing maximum lift per stroke



Back Plate Prevents Chain Roll-up and Slippage



Model No. HA0060 Deluxe Metal Storage Case
Weight: 39 kg
Dimensions: 470x819x622 mm

- Reduces injury associated with using a boom truck
- Reduce boom damage & maintenance costs from pulling poles
- Ultra-lightweight cylinder is only 26 kg with a lifting capacity of 23 Tonnes.
- Hook assembly manufactured with all stainless steel components
- 12.7mm alloy chain is proof-tested for durability and strength
- Increase productivity by saving time

SPECIFICATIONS

Style	Pole
Model No.	4001D
Hydraulic Cylinder (kg)	26
Base Plate (kg)	11.3
Back Plate (kg)	3.1
Swivel Chain Hook Assembly (kg)	16.3
Chain - 1.8m - 12.7 Alloy (kg)	6.8
Operating Pressure	190 Bar Max.
Lift at Maximum Pressure (tonnes)	23

COMPONENT PART NUMBER

Base Plate	HA0008
Swivel & Hook Assembly	HA0016
Back Plate - Standard	4040B
Back Plate - Long Tooth	4041B
Pole Puller Pad	HA0040
Hydraulic Cylinder	HA0015
Chain	EF0001



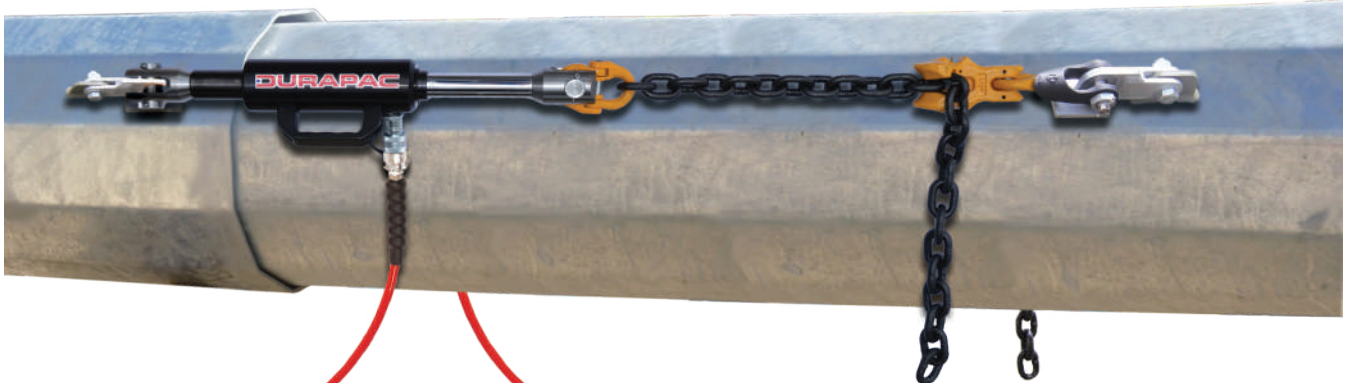
POWER POLE HYDRAULIC JACKING SYSTEM

DURAPAC

This system was designed in conjunction with industry specialists for the joining of steel power/communication pole sections, horizontally prior to erection.

Available in two models: 20 or 40 tonne capacity.

Due to varying manufacturers and designs of steel poles, the pulling lug connections and clevis fittings are designed on application. All main components remain the same.



TWO AVAILABLE MODELS

- 20 tonne capacity
- 40 tonne capacity

FEATURES

- Clevis ends custom made to suit lugs on different manufacturers power poles (please contact Specialised Force for more details)
- Rated alloy grade chain with swivel connectors
- Clevis locking & shortening clutch fully rated for the system
- 2 x 10 Tonne or 2 x 20 Tonne capacity cylinders,
 - ◇ 20 Tonne: 2 x Pulling Cylinders - RAP-106 - Maximum system pulling force "20 tonne"
 - ◇ 40 Tonne: 2 x Pulling Cylinders - RAP-206 - Maximum system pulling force "40 tonne"
- System is fitted with 2 x 100mm \varnothing force pressure gauges & needle flow control valves for independent cylinder control, and adjustable force/pressure valve for accurate pressure settings
- Hose lengths made to order with choice of quick connect couplings & dust caps
- Systems are fully assembled & pressure tested ready for immediate use



PUMP OPTIONS

- MANUAL – Hand operated pump P2200 (please contact Specialised Force for more details)
- BATTERY – 14.4VDC Lithium-Ion powered pump (refer page 103 for REC-P1 and page 105 & 106 for BP114)
- ELECTRIC – 230VAC/50Hz pump, adjustable external pressure switch (refer page 107 SMP40AR-67B)

OPTIONAL EXTRAS

- Force/pressure charts
- Equipment storage case



POST DRIVER (MADE IN JAPAN)



SCAN & PLAY

FEATURES

- For fencing, piping, road barrier tubes, signposts, earth rods, anchors, tendrils supports, braces, channel markers, etc
- KH191/KH240V Lightweight with two cushioned side handles make it easier to operate
- Supplied with whip hoses and male/female flush face couplings
- Range of post driver adapters available on request

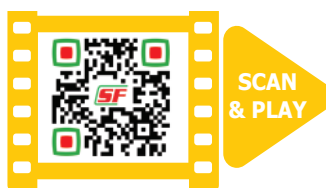
SPECIFICATIONS

Model No.	KH192	KH240V	KH800
Overall Dimensions (mm) (LxW)	597 x 276	629 x 265	850 x 364
Oil flow (L/Min)	15-22	20	20-35
Blow per Minute (bpm)	1,920	1,080	500-950
Maximum Diameter (mm) (*Additional Parts Required)	50	80 (*100,120)	150 (*100,120)
Weight (kg)	19.8	24.5	110.0

ROCK DRILLS

FEATURES

- For breaking stones, roads and for drilling dynamite borehole
- The only one rock drill in the world with a built-in air compressor to purge dirt from hole
- No air or water supply necessary
- Low noise and dust free
- Can be used as breakers with 4 adjustable speed feature



SCAN & PLAY

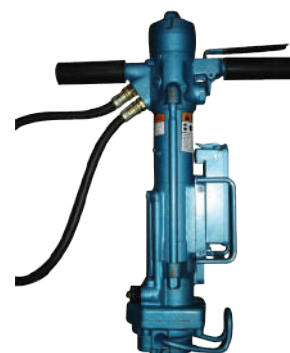


Air Compressor

DH205 Anti-Vibration Handle Model

SPECIFICATIONS

Model No.	DH204	DH205
Overall Length (mm)	626	692
Width	412	410
Weight (kg)	20	22
Oil Flow (L/Min)	20 – 25	
Shank Size Hex	7/8" x 4 1/4" (22 x 108mm)	
Rotation Speed (RPM)	0 - 400(4 adjustable speed)	
Operating Pressure (bar)	140	
Maximum Drilling (mm)	65 DIA	
Drilling Depth (m)	Up to 3	



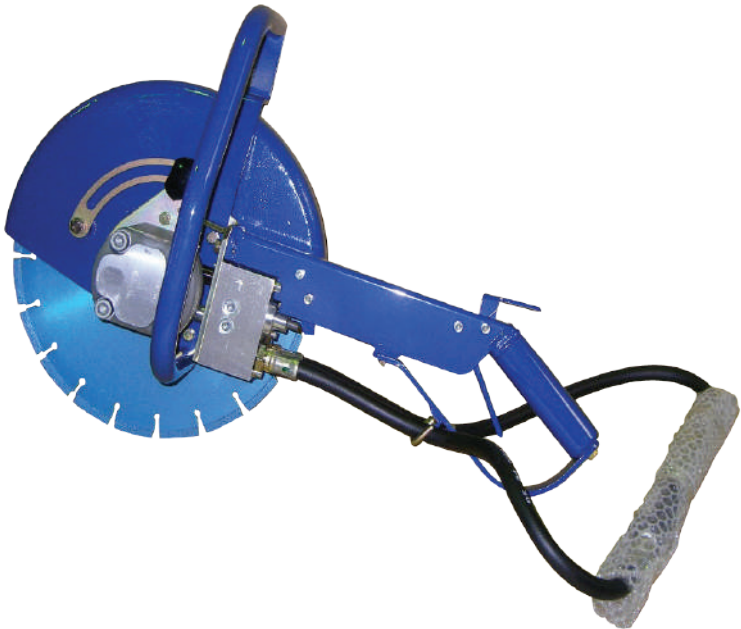
DH204 Standard Model

CONCRETE & ASPHALT SAW/CUTTER (MADE IN JAPAN)



FEATURES

- Used for cutting concrete, asphalt surfaces and cast iron pipe products
- Fitted with hydraulic motor, reduced noise compared with petrol engine cutters
- High torque which makes good use of hydraulic system results in maximum efficiency
- It can be used in a wet environment
- Compared to petrol engine cutters, hydraulic cutters have a great advantage due to less parts for service and repair
- Compact, lightweight body can be used in narrow places
- Supplied with Whip Hoses and cutting blade



SPECIFICATIONS

Model No.	CH-130
Overall Dimension (mm) (LxWxH)	602 x 207 x 315
Weight (kg)	8
Required Oil Flow (L/Min)	20.5
Rotation (RPM)	3200
Blade Diameter (mm)	305 (HOLE DIAMETER 22)



Can be operated from portable petrol pumps shown on page 98

HYDRAULIC ROCK BREAKERS (MADE IN JAPAN)



BH7E

BH112E

BH20EV

BH23K32EV



SCAN & PLAY



FEATURES

- Used in finishing and demolition work
- Low Noise and Low Vibration
- No restriction for operating in a lower temperature
- Hydraulic lubricated at all times, easily maintained and less parts for repair
- All models have anti-bouncing feature for user comfort
- BH20EV and BH23K32EV have anti- vibration handles.
- Steels are common with pneumatic breakers
- Lightweight and compact .

Some models can source power from mini excavators

See page 101 for suitable flow control valve

Model No.	BH7E	BH112E	BH20EV	BH23K32EV *
Overall Length (mm)	458	566	665	752
Weight (kg)	7	13	20	25
Oil Flow (L/min)	20.5	15-20	20.5	20.30
Blow Per Minute (bpm)	1920	1450 (15L/min)	1450	1500 (30 LPM)
Shank Size (Hex)	19 x 50mm	22 x 83mm	25 x 108mm	32 x 160mm

*Breaker can work on 20LPM Oil Flow with restrictor Orifice Fitted Blows per minute 1050.

For suitable lightweight petrol pumps see page 98

BREAKER STEELS ISO CONFIGURATION

Name of Tool	Shape of Tool	Maruzen P/No.	Suits Model	Hex (mm) Shank Size	Dimension (mm)			Weight (kg)
					L	A	B	
Moil Point		13101300	BH7E	19x50	300			0.6
		14001465	BH112E	22x83	465			1.7
		14601465	BH20EV	25x108	465			2.0
		15501555	BH23K32EV	32x160	555			3.5
Flat Chisel		MZ42-0006Z	BH20EV	25X108	400			2.0
		CB35-NC	BH23K32EV	32X160	520			3.5
Asphalt Chisel (Concrete Cutter)		ZZ#3H-07111202	BH7E	19x50	260	60	50	0.7
		ZA-005S	BH112E	22x83	475	75	75	2
		MZ42-0010D	BH20EV	25x108	400	76	162	2.5
		CB35-CC75	BH23K32EV	32x160	520	76	162	4.0
Spade		C-1004-01	BH20EV	25x108	400	140	180	3.3
		C-1019	BH23K32EV	32x160	400	140	180	5.0
Tamping Rammer (Rod/Pad Set)		ZN-003C-1005	BH20EV	25x108	280	180		9.2
		CB35-TR180	BH23K32EV	32x160	280	180		9.7
Ground Rod Driver		B12783	BH112E	22x83	Ground Rod Size 16mm			2.1
		B22783	BH20EV	25x108	Ground Rod Size 16mm			2.2

LOW PRESSURE HYDRAULIC PUMPS (MADE IN JAPAN)



FEATURES

- Engine petrol driven hydraulic power source
- Compact design
- Extensive range of tools available to suit
- Equipped with oil cooler which allows constant use even in hot climates
- Folding handle & pneumatic wheels for easy manoeuvrability
- Fitted with male & female flush face hydraulic couplings

SPECIFICATIONS

Model No.	UH070
Overall Dimension (mm)	615L x 480W x 577H
Weight (kg)	40
Engine Model	Honda Gx200 4.1 kw
Maximum Pressure (Bar)	117 (1,700 PSI)
Max Oil Flow (l/min)	20.5
Oil Capacity (L)	4
Starter	Recoil (Pull start)
Engine Type	Air Cooled 4 Stroke



LOW PRESSURE HYDRAULIC PUMP – ELECTRIC START (MADE IN JAPAN)

FEATURES

- Air cooled oil cooler
- Fitted with male & female flush face couplers
- Engine petrol driven hydraulic power source
- Flip handle and pneumatic wheels for easy transportation
- Compact and reliable
- Large range of compatible tools available
- Maruzen 30L/min pump with Honda
- Electric start

SPECIFICATIONS

Model No.	UH130
Dimensions (mm)	800L x 608W x 650H
Weight (kg) Dry	95
Maximum Working Pressure (Bar)	137 (2,000 PSI)
Oil Flow (L/min)	20-25-30 (3 settings)
Engine Model	Honda Gx390 8.7 kw
Oil Capacity (L)	8
Starter	Electric Start
Engine Type	Air Cooled 4 Stroke



Refer page 100 for low pressure hoses to suit

LOW PRESSURE DIESEL HYDRAULIC PUMPS (MADE IN DENMARK)



HPP13D

HYCON HPP13D is a medium sized hydraulic diesel powerpack made for demanding users. This powerpack gives you absolute maximum power to operate tools like breakers, submersible pumps, cut-off saws, drilling tools, core drills, impact wrenches and many other tools. Easily transported in a vehicle. ON-OFF valve for easy change of tool. Extremely easy to service - direct access to all parts. Oil level eye. Few wearing parts/all run in oil/low cost. Very strong and sturdy steel frame. High quality diesel engine. Both recoil and electric start. C/W Manual Adjustment Lever to select oil flow 20 or 30 L/pm.

HPP26DMULTIFLEX

The HPP26D Multiflex is the most powerful diesel driven power pack in the HYCON product range. The power pack is powered by a durable 26 hp water cooled Lombardini engine that delivers an output flow of either single flow of 1x 20, 30, 40, 60 l.p.m. or dual flow of 2x 15, 20, 30 l.p.m. The power pack is the preferred all-round power pack for areas where electric or petrol driven engines are not allowed, and where you need a power pack that can run continuously for many hours without a stop. The power pack is the preferred choice for heavy duty tasks, as it can handle even the most demanding tools and jobs. The dual flow is perfect when you want to run two tools simultaneously, for instance an 18" saw and a breaker off two 30 l.p.m. pump outlets.

HYCON powerpacks are designed for professional users who expect maximum operating time, low service cost and durability. Professional users expect machines to work when they need them. The concept of HYCON powerpacks is to offer high performance, compact, low weight packs and with a minimum of wearing parts. The heart of HYCON packs is the ring cooler that enables us to design a pack where all moving parts are mounted directly on the engine shaft. This way the pump achieves 100% alignment which ensures the low wearing cost and the long lifetime of our packs. Our ring cooler secures optimum cooling in all conditions and does not get clogged up by dirt etc and can be cleaned by high pressure washers. Also all coupling parts are protected inside a housing ensuring maximum lifetime. **A HYCON powerpack you can rely on.**

SPECIFICATIONS

Model No.	Starter	Fuel Type	Power		Output & Flow		Pressure Max	Weight
	Engine Brand		(kW)	HP	Dual Ports	L/pm	(bar)	(kg)
HPP13D	Manual/Recoil & Electric	Diesel	8.2	11	1	20-30	140	114
	Lombardini					Adjustable		
HPP26DMULTIFLEX	Electric	Diesel	17.9	26	2	15-60	170	230

LOW PRESSURE HOSES, COUPLERS AND ACCESSORIES

FEATURES

The NRP Jones B098 3m twinline non-conductive hose assemblies are specifically manufactured for use with hydraulic tools, including hydraulic impact wrenches, hydraulic chainsaws, low-pressure hydraulic compression tools, hydraulic tampers, hydraulic breakers etc.

These hose assemblies are extremely flexible and will not kink like thermoplastic hoses can. NRP Jones B098 hose assemblies meet or exceed SAE100-R7 standards in relation to impulse testing, static burst pressure and electrical conductivity. Available fitted with male & female flush face hydraulic couplings on both ends of the twinline hose assembly.

Model No.	B098	B098/FF
Length (m) *	3	
Hose ID (mm)	10	
Hose OD (mm)	19	
Rated WP (Bar)	155	
Min Burst (Bar)	620	
Min Bend Radius (mm)	125	
Temp Range (°C)	-40c TO +93c	
Tube	Oil Resistant Nitrile	
Reinforcement	Non-Conductive Textile Braid	
Cover	Orange Oil, Abrasion & Weather Resistant NBR/PVC	
Test Results	75,000 V per 300mm for 3min	
Wt (kg)	2.05	2.65
End Connections	3/8" NPT Male Both Ends	Flush Face Couplings – Male & Female Each End (Male # FF372-6FP & Female # FF371-6FP)

* OTHER LENGTHS SPECIALLY MADE TO ORDER



TWIN LINE BRAIDED HYDRAULIC HOSE WITH STEEL BRAIDING - CONDUCTIVE

Hose construction has an inner tube of oil resistant Nitrile or Neoprene synthetic rubber, a single braid of high tensile steel wire reinforcement and an oil and weather resistant, black, Neoprene or PKR synthetic rubber, MSHA accepted, cover. Application and temperature range is for petroleum based hydraulic fluids and lubricating oils within a temperature range of -40°C to 125°C (Hose to standard SAE 100R1, Type AT). Supplied with Flush Face Couplings, Male & Female Each End (Male # FF372-6FP & Female # FF371-6FP).

Model No.	Length (m)*
421-802-B12NM/FF	2
421-803-B12NM/FF	3
421-805-B12NM/FF	5
421-806-B12NM/FF	6
421-810-B12NM/FF	10
421-815-B12NM/FF	15
421-820-B12NM/FF	20
421-825-B12NM/FF	25
421-830-B12NM/FF	30



Hose has 1/2" NPT fittings and supplied with flush face couplings.
* Other lengths made to order.



STORAGE BAG FOR HOSE

Model No.	Description	Colour	Dimensions (mm)
2630	Hose Storage Bag (Keeps hose safe from damage and UV exposure)	Yellow	432 x 470 x 89

Suitable for B098 3 metre hose



LOW PRESSURE HYDRAULIC FLOW CONTROL VALVES (MADE IN USA)



MODEL NO. 49550

FEATURES

- Operates off other equipment's hydraulic accessory circuit - no need for a separate power unit
- Accepts up to 113Lpm for running off most Bobcats, tractors and loaders
- Variable flow adjustment allows precise flow control for tool operation
- Integral pressure relief valve helps protect hydraulic equipment and tools
- All-aluminium body design is lightweight and provides better heat dissipation
- Low profile, compact unit is unobtrusive and easy to install
- All tool ports have O-Ring Boss and accept industry standard hoses and couplers



SPECIFICATIONS

Model No	Input Flow Range	Couplers	Dimensions (mm)	Temperature Range (°C)	Wt (kg)
49550	113Lpm @ 207bar	Flush Face	128 x 223 x 171 H x L x W	-34 to 60	3.8

Maximum Output Flow to Tool 38lpm @ 148bar Max Pressure



RAIL CATALOGUE

- Drills, Saws & Impact Wrenches
- Rail Material Handling
- Welding, Grinding & Bending
- Trolleys
- Hand Tools
- Derails, Rerailers & Track Safety
- Test, Measurement & Dynamometers
- Track Jacks & Wagon Stabilisers
- Electrical, Winches, Stringing & Cable Laying
- Safety Lighting & Flags



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MODEL No. REC-P1(CC) REMOTE BATTERY HYDRAULIC PUMP



The REC-P1(CC) kit has a battery powered hydraulic pump (700Bar) with hard wired remote control switch, batteries (2 x Li-Ion) and charger (12/24VDC). A quiet and powerful pump unit, the 28.8VDC motor provides an intermittent duty hydraulic power source to a remote head up to 60 ton capacity.

The remote control permits operator to advance, retract and stop the piston at any desired position. With a 1L reservoir tank it is capable of operating a 60 ton compression head.

Two batteries must be inserted into the cartridge slots of the pump because they are connected in series to activate 28.8V DC motor

NOTE: Two BP-84LI battery packs are required to power this pump.
Hoses sold separately



Motor (VDC)	28.8
Oil delivery Low Pressure (L/min)	1.8
High Pressure (L/min)	0.3
Reservoir volume (L)	1
Oil pressure (Bar)	700
Size LxHxW (mm)	250x380x175
Weight (kg)	14.0 (less battery)

# REC-P1(CC) Kit Contents	Description	Qty
REC-P1	Pump & Remote Switch	1
BP-84LI	Battery Li-Ion 4.0AH	2
CH-120	Charging Base , 230VAC Charge Lead & 12/24VDC Charge Lead	1

**Refer page 14 for Battery and
Charger Details**

MODEL No. CP700EC & CP700EC(BB) HIGH PRESSURE REMOTE BATTERY PUMP (MADE IN GERMANY)

intercable



CP700EC (Shown)

SPECIFICATIONS

Tank Capacity (mL)	800
Usable Oil (mL)	750
Operating Pressure	700
Power (W)	200 Max
Battery Voltage	18.0VDC
Battery Capacity	4.0Ah
Battery Charge Time (min)	60
Battery Life (# of Charges)	1,000 (Approx)
Temperature Range	-20/+55°C Continuous Operation
Protection Rating	IP43
Measurements (mm)	205 x 290 x 190
Weight (kg)	5.2 with Battery

ACCESSORIES & SPARES

Model No.	Description
NG3	Adaptor to Operate Pump off Mains Power 230VAC (Accessory)
FS02	Switch, Foot Operated for CP700-EC (Accessory)
SCH1.5	Hose, Non-Conductive CEJN M&F Couplings & Dust Caps 1.5m Long (Accessory)
HPS-0602BB-CCN	2m Standard HP Hose with Male & Female Cejn Couplings (Accessory)
RA11	Battery, Lithium-Ion 18V 4.0Ah (Spare)
LG8	Charger, 230VAC for RA11 (Spare)
CP-F	Control, Remote Corded for CP700-EC (Spare)
CP-USB	Cable, USB for CP700-EC (Spare)
TTCP01	Bag, Carry for CP700-EC units and accessories (Spare)
TG3	Strap, Shoulder for CP700-EC (Spare)

Model No. CP700EC

- 1 x Battery Pump with CEJN Female 115 Series Coupling & Dust Cap
- 1 x Remote Control (1.5m Long)
- 1 x **RA11** Lithium-Ion Milwaukee® Battery 4.0Ah
- 1 x 230VAC Charger
- 1 x Shoulder Strap
- 1 x Bag

Model No. CP700EC(BB)

- 1 x Battery Pump with CEJN Female 115 Series Coupling & Dust Cap
- 1 x Remote Control (1.5m L)
- 2 x RA11 Lithium-Ion Milwaukee® Batteries 4.0Ah
- 1 x 230VAC Charger
- 1 x Shoulder Strap
- 1 x Bag

DETAILS

- Adjustable Retraction Mode to increase battery life
- Light, compact and robust structure
- Ergonomic design for right or left hand operation
- Remote control lead (1.5m)
- Possibility to carry the special transportation bag with additional (optional) pockets, by a shoulder strap or attached to a belt (optional)
- Possibility to attach the remote control unit to the apparatus, belt or shoulder strap with a clamp support, on buttons (Ø 18.7mm) or with a magnet on flat and rounded surfaces
- Fitted with Cejn 115 Series female high-flow snap coupler
- Anti-scratch and shock resistant display protection
- Rapid return of apparatus, thanks to high return capacity
- Electronic sensor pressure control
- High yield Lithium-Ion battery 4.0Ah
- Powerful (700Bar - LP=1.5L/min & HP=0.1L/min)
- Rapid return of connected tool or cylinder
- Automatic energy saving mode after 5 minutes



BATTERY HYDRAULIC PUMP

MODEL NO. BP114A & BP150A

Battery powered 700 or 850 Bar battery hydraulic pump suitable for all single-acting high pressure tools including cutters, crimpers, punches, benders, pullers, presses, nut splitters etc.

NOTE: BP150A is also suitable for double-acting tools including hydraulic torque wrenches.

FEATURES

INTERNALLY FITTED 6.3Ah LONG LIFE BATTERY High capacity lithium-ion 67VDC - sufficient power for a full working day.

EXTERNAL CHARGER - 230 Volt - Plug In Type

VARIABLE OUTPUT - Pump output pressure set at 700 Bar but unit can be preset to suit customer requirements to a maximum of 850 Bar.

TWO REMOTE PENDANTS SUPPLIED WITH PUMP
Hard-Wired Plug-In Type & Bluetooth Remote Type.

FAST CHARGE - Battery will charge to 80% of full capacity during a lunch break.

DURABLE DESIGN - Rugged and heavy duty plastic housing with carry handle. Hydraulic coupling/control buttons/plug connectors well protected.

BATTERY SAVER - Energy saving mode switches the pump off 10 minutes after last cycle.

PRESSURE INDICATOR - Digital Gauge

TECHNICAL FEATURES

BP114A - DUAL FUNCTION SWITCH (DUMP OR HOLD) POSITION 1 - DUMP

When remote switch is pressed pump starts, cylinder advances and pump builds up line pressure to 700 Bar (or pre-set output), pressure switch turns pump off, cylinder automatically retracts. Pump can be stopped and cylinder retracts automatically at any time.

POSITION 2 - HOLD

When remote switch is pressed pump starts and cylinder advances, release remote switch and pump stops with pressure held. Cylinder can be retracted at any time by two quick presses of the remote button. Automatic pressure release after cut or punch is complete (in order to protect dies if punching and to save energy). Pressure switch activates at all times when 700 Bar is reached.

BP150 - MODES (The mode is switched by pressing the potentiometer)

- Mode 1: Single acting cylinders with end of stroke detection ON.
- Mode 2: Double acting cylinders with end of stroke detection ON.
- Mode 3: Torque wrench mode (automatic). Adjustment of maximum pressure through potentiometer D.
- Mode 4: Single acting cylinders with end of stroke detection OFF.
- Mode 5: Double acting cylinders with end of stroke detection OFF.

DURAPAC



**THE BP114 IS THE IDEAL
PUMP FOR SAFETY
CUTTING (CABLE SPIKING)
OF LIVE CABLES TO PROVE
DEAD DUE TO PUMP SPEED
AND BLUETOOTH REMOTE**

FASTEST BATTERY PUMP ON THE MARKET

BATTERY HYDRAULIC PUMP

ORDERING INFORMATION

Model No.	BP114A	BP150A
Dimensions (mm)	250 H x 185 W x 250 L	
Weight (kg)	8.4	9.0
Oil Flow (L/min)	0.8 to 1.0	2.0
	Variable Flow vs Pressure	
Motor Peak Power (Watts)	1,400	4,000
Useable Oil (L)	1.2	

SUPPLIED AS STANDARD WITH PUMP

- 230 VAC plug in charger (with leads)
- Remote hand pendant 2.5 metre, Bluetooth remote
- Operating instructions
- Fitted with CEJN (10-116-1219) flush face coupling with aluminium dust cap (10-115-4100) + 10-115-6272 nipple with 10-115-4101 dust cap

DURAPAC



BLUETOOTH REMOTE
MODEL NO. BP1141
WEIGHT: 38 GRAMS



CHARGER
MODEL NO. BP1143
WEIGHT: 1.06KG



REMOTE HAND
MODEL NO. BP1142
WEIGHT: 200 GRAMS

OPTIONAL ACCESSORIES

- Carry bag Fatmax for pump, hose and small tool, **Model No. 1.93.952**
- Hydraulic hose 3m orange non-conductive, **Model No. 2022N-03-B38NM-CCN**
- Hydraulic hose 6m orange non-conductive, **Model No. 2022N-06-B38NM-CCN**



MODEL NO.
1.93.952

Carry Bag



NON- CONDUCTIVE HOSE
MODEL NO. 2022N-03-B38NM-CCN



CONDUCTIVE RED HOSE
MODEL NO. HPS0603BR-CCN

MODEL NO. 2022N-03-B38NM-CCN
MODEL NO. 2022N-06-B38NM-CCN

Hydraulic Hose 3m or 6m,
non-conductive with couplings

HIGH PRESSURE PUMPS (MADE IN JAPAN)

RIKEN



Roll Frames available upon request

SMP-40AR-67B
Pictured

Footswitch Sold Separately **SF1**

SMP-30 & SMP-40

The Riken SMP-30 and SMP-40 electric hydraulic pumps have a magnet motor which greatly reduces noise compared with conventional motor types (Max 70dBa).

The "AR" models have an external adjustable pressure switch with automatic return function. They include a standard 3m remote hand pendant, operated through the low voltage step down transformer for added safety. The "dead-man" feature stops the pump when the switch is released on the remote hand pendant. Optional foot switch is also available Model No. **SF1**. Load holding is possible by fitting optional Model No. **SCH-13B** check valve with by-pass. Stainless steel roll cage to suit SMP series Model No. **P03SMP3/4**.

SPECIFICATIONS

Model No.	SMP-30AR-329C	SMP-40AR-67B
Included	3 Metres Hand Pendant Control	
Electric Magnet Motor 50Hz	230VAC	
Insulation Type	Class E Closed Type	
Voltage (V)	230	230
Rated Output (KW)	0.25	0.45
Max Current @ 5min (Amps)	3.5	5.2
Hydraulic Pump		
Max Working Pressure (Bar)		
1st Stage	15	15
2nd Stage	700	700
Output (L/min)		
1st Stage	2.0	3.0
2nd Stage	0.2	0.4
Reservoir Capacity (L) ^	2	2
Usable Oil (L)*	1.8	1.8
Weight	14.5	15.0

*Supplied with oil

^Larger oil reservoirs available for SMP models (4L, 6L & 10L)

These pumps are ideal for use with remote hydraulic single acting tools. Including cable cutters and crimpers, as well as punching, bending and cutting tools used in busbar fabrication and switchboard building.

DAIA



PERFECT FOR BENDING & PUNCHING

Footswitch Sold Separately **SFVA-1-2**

DSPN-12AS

The DSPN-12AS is a solenoid switched valve operated switched pump.

It features an advance pressure/hold/retract operation and has a hand pendant control operated through a 24VDC step down transformer. Unique "inching" function.

Fitted with 700 Bar Relief Valve.

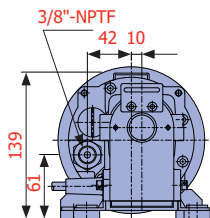
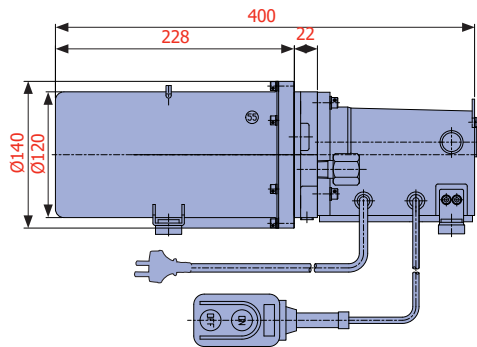
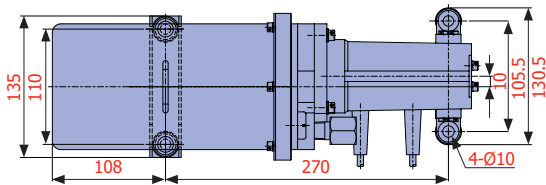
SPECIFICATIONS

Model No.	DSPN-12AS
Included	2 Metres Hand Pendant Control
Output Pressure/Flow	0-3.5Bar 2.0 L/min 3.5-700Bar 0.17L/min
Reservoir Capacity	1.2L
Weight (kg)	7.5kg
Dimensions (mm)	265L x 145W x 275H
Voltage	230VAC @ 50Hz
Accessories	Foot Switch #SFVA-1-2
Notes	Hose Sold Separately

**SPE SERIES ELECTRIC HYDRAULIC PUMPS
(SINGLE ACTING, AUTOMATIC 2 SPEED)**



These DURAPAC powerful electric, hydraulic pumps are lightweight, cost effective and have a number of valve and pump functionality options to ensure that there is a suitable pump for every application. Having low amperage draw motors they are ideal for field use or indoors. The steel oil reservoir has an internal bladder which allows the pump to be used at any angle. Other manual and solenoid options available upon request. Remote pendant operated through low voltage step down transformer for safety.



DURAPAC

Model No.	SPES3502AR	
Model Series	35 Series	
Valve Type	Internal "Pop-Off" Valve, Auto Retract Type	
Cylinder Pump Function	Advance when ON switch is pressed and the motor starts. Pop Off relief valve will indicate full pressure. Auto retract when ON switch is released	
Usable Oil (L/cc)	1.6 / 1600	
Pressure Stage	1st (10Bar)	2nd (700Bar)
Flow (Lpm)	2	0.2
Motor Type (230VAC 50)	Commutator	
Pressure Rating (bar)	700	
Motor kW @ 2,000 rpm	0.35	
Voltage (VAC)	230	
Amps	4.5	
Control Switch	Remote ON/OFF	
Remote Pendant Control Length (m)	2.5	
Size (mm) LxWxH	400 x 140 x 140	
Weight (kg)	8.4	

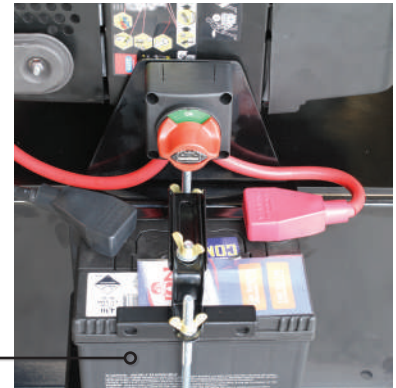


HIGH PRESSURE DIESEL PUMP

THE PD-SERIES DIESEL DRIVEN SINGLE SPEED RADIAL PISTON POWER UNITS ARE SUITABLE FOR heavy duty APPLICATIONS IN THE FIELD and can deliver a minimum flow of 2.5 Lpm at 700 bar pressure.

It has a 50 L usable oil capacity coupled with the reliability of a 3.4kW Hatz® diesel motor. The transport system is easy to handle and incorporates an engine control dash board. PDS models have a remote control pendant (on a 4M lead) for actuation of solenoid valves. All power units have an externally adjustable pressure relief valve and offer a range of directional control valve options to operate single and double acting cylinders and tools. An optional sub-plate style pilot check valve is also available.

DURAPAC



12 V BATTERY
with isolation switch

5 LITRE FUEL TANK

with filter

RECOIL START

for manual backup

THROTTLE CONTROL LEVER

for manual adjustment

FUEL & OIL FILTER

accessible for ease of service

AIR COOLED DIESEL ENGINE

3.4 kW with variable speed control

CONTROL PANEL

12V electric start/stop

PRESSURE GAUGE

63mm panel mounted
0-1000 bar

SHUTDOWN PROTECTION

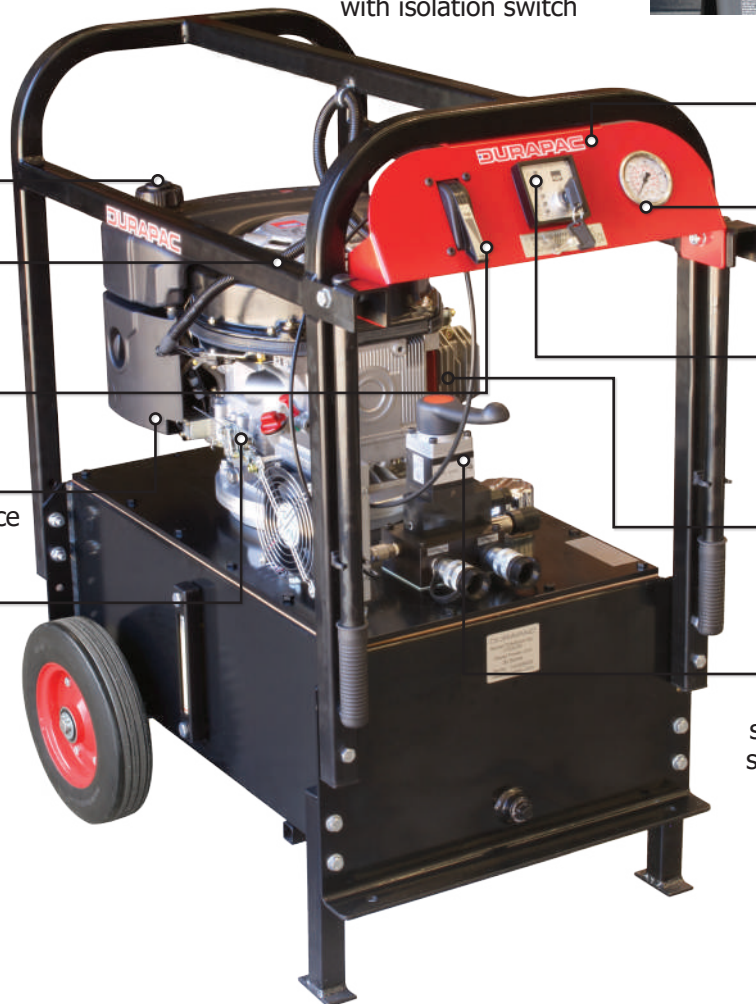
on high temperature
and low oil pressure

SIDE EXIT EXHAUST SILENCER

with mesh guard

DIRECTIONAL CONTROL VALVES

available in manual or solenoid versions to suit single and double acting cylinders



Model Number	Motor Type	kW	rpm	Flow Rate (Lpm) @ 700 bar	Maximum Pressure Rating (bar)	Remote Pendant Function 4 M Lead	Valve Type (3/8"-NPTF Ports) Sol. = Solenoid Man. = Manual	Usable Oil Capacity (L)	Approx. Dry Weight (kg)	Approx. Dimensions (mm)
PDM3053	Diesel	3.4	2,200	2.5	700	N/A	3w/3p Man.	50	190	450 W x 750 L x 650 H
PDM3054	Diesel	3.4	2,200	2.5	700	N/A	4w/3p Man.	50	190	450 W x 750 L x 650 H
PDS3053	Diesel	3.4	2,200	2.5	700	Solenoid ADV / HOLD	3w/3p Sol.	50	190	450 W x 750 L x 650 H
PDS3054	Diesel	3.4	2,200	2.5	700	/ RETRACT	4w/3p Sol.	50	190	450 W x 750 L x 650 H

HPE SERIES HIGH PRESSURE PETROL PUMPS



Image		
Model No.	HPE-160R	HPE-160M
Description	The HPE-160 is a double acting engine driven hydraulic pump suitable for double acting Hydraulic Presses for construction and maintenance of transmission line use.	The HPE-160M is a manual controlled engine driven hydraulic pump suitable for single and double acting Hydraulic Presses for construction and maintenance of transmission line use.
Output	Double Acting	Double Acting
Hydraulic Pressure	68.5 Mpa	68.5 Mpa
Reservoir Capacity	10L	10L
Oil Flow at Low Pressure	7.5L/min	7.5L/min
Oil Flow at High Pressure	1.2L/min	1.2L/min
Operation By	Wired Remote Control	Manual
Weight	61kg	61kg
Size (LxHxW)	665 x 405 x 445 (mm)	675 x 405 x 475 (mm)
Length of Remote Control Cable	3m	N/A
Engine	Honda Gx160	Honda Gx160
Engine Spec	4 cycle	4 cycle
Engine Capacity	163cc	163cc
Maximum Engine Output	3.2kw (2.8ps) / 3600pm	3.2kw (2.8ps) / 3600pm

PPM2014 HYDRAULIC HIGH PRESSURE PETROL PUMP



This powerful 4 stroke high pressure hydraulic pump is equipped with a protection cage that makes it easier to move and lift, protecting it in construction sites. With a large 10 litre aluminium reservoir it is capable of use with a wide range of equipment. Reduced maintenance and designed to last.

FEATURES





- Powerful Honda GXV 2.6 KW 4 stroke petrol engine
- Aluminium 10 litre oil reservoir
- Rugged tubular protection cage
- 4 way 3 position double acting manual directional valve with internal check valve
- Fast 4.5 litre minute first stage oil flow and 1.8 litre minute at 700 bar (10,000PSI)



Model No	Motor Type/ Brand	Hyd Pressure (bar)	Hyd Reservoir Capacity (L)	Motor Fuel	Motor Power (kW/HP)	RPM	Dimension Outside Frame (mm) (WxDxH)	Weight inc Oil & Frame (kg)
PPM2014	4-Stroke / Honda	700 (10,000psi)	10	Petrol	2.6 / 3.5	3,000	470X372X630	47

SUBMERSIBLE PUMPS (MADE IN USA)









Compact Submersible Pump	Submersible Water Pump	Submersible Trash Pump	Submersible Trash Pump
			
Model No. 42191/FF	Model No. 42190/FF	Model No. 49334/FF	Model No. 42192/FF
<ul style="list-style-type: none"> Self-priming, compact, lightweight design with carrying handle. High impact strainer housing. Up to 1,041 lpm. Can draw water down to depth of 45 mm. Can run dry without damage. 	<ul style="list-style-type: none"> High impact strainer housing with carrying handle. Self-priming. Up to 1,514 lpm. Can be run dry without damage. Can draw water down to depth of 51 mm. 	<ul style="list-style-type: none"> Compact, under 300 mm diameter to easily fit into small areas. Self-priming submersible pump can be placed and operated quickly. Passes up to 76 mm solids minimising pump blockage from debris. Can be run dry without damage for longer working life. Carry handle with lifting eye makes it easy to transport, move, lift, and lower. Locking coupler for discharge hose included. Can draw water down to depth of 70 mm. 	<ul style="list-style-type: none"> No clog, self-priming, abrasion resistant impeller pump. Up to 3,407 lpm. Replaceable wear plates, carry handle and can be run dry without damage. 101.6 mm NPT discharge – will pass 76 mm solids. Locking coupler for discharge hose included. Can draw water down to depth of 83 mm.

Refer to accessories (below) for hoses and couplings

SPECIFICATIONS

Style	Compact	Water	Trash	Trash
Model No.	42191/FF	42190/FF	49334/FF	42192/FF
Included Accessories	Flush Face Couplers	Flush Face Couplers	Flush Face Couplers	Flush Face Couplers
System	Open- and Closed-Centre	Open- and Closed-Centre	Open- and Closed-Centre	Open- and Closed-Centre
Capacity	Up to 1,041 lpm at 3m head height	Up to 1,514 lpm at 4.5m head height	Up to 1,893 lpm at 4.5m head height	Up to 3,407 lpm at 3m head height
Intake Port (mm)	49	38	80	102
Discharge Port (mm)	2" NPT Female	2 1/2" NPT Female	3" NPT Female	4" NPTM
Strainer	67x43mm – 9.5mm Openings	178x64	-	-
Weight (kg)	4.0	10.6	11.7	26.7
Height (mm)	318mm Over Handle	406 Over Handle	360 Over Handle	400
Width (mm)	190 Diameter	305 Diameter	301 Diameter	368 Diameter
Flow Range (lpm)	19-30	15-30	26.5-37.9	19-34
Operating Pressure (Bar)	0-138	0-138	0-138	0-138
Pressure Port Thread	9/16-18 SAE O-Ring	1/2" Male NPTF	1/2" Male NPTF	1/2" Male NPTF
Return Port Thread	3/4-16 SAE O-Ring	1/2" Male NPTF	1/2" Male NPTF	1/2" Male NPTF

ACCESSORIES

Picture						
Model No.	41220	42104	41219	42105	49499	41189
Suits	42191/FF	42191/FF	42190/FF	42190/FF	49334/FF	42192/FF
Description	Discharge Hose Assembly 51mm (2") x 7.62m	Cam-Lock Coupling for Discharge Hose 51mm	Discharge Hose Assembly 63.5mm x 7.62m	Cam-Lock Coupling for Discharge Hose 63.5mm	Discharge Hose Assembly 76mm x 7.62m	Discharge Hose Assembly 102mm x 7.62m

HOSE - HIGH PRESSURE




SPECIALISED FORCE OFFER A WIDE RANGE AND LENGTHS OF HIGH & LOW PRESSURE HYDRAULIC HOSE

Please contact your nearest Specialised Force Branch for further information

Model No.	Brand	Type	Size-ID (mm)	OD (mm)	Working Pressure (Bar)	Minimum Burst (Bar)	Temp Range	Weight
HPS-06R	Durapac	RED	6.6	12.7	700	2,800	-40 to 100°C	180g/m
HPS-06B	Durapac	BLACK	6.6	12.7	700	2,800	-40 to 100°C	180g/m
HPS-06T	Durapac Twin	RED & BLACK	6.6	12.7	700	2,800	-40 to 100°C	180g/m
Non Conductive "Tested To 75,000 Volts Per 300mm"								
2022N-03-B38NM-CCN*	Parker 3m	ORANGE	6.0	15.0	700	2,800	-40 to 100°C	160g/m
2022N-06-B38NM-CCN*	Parker 6m	ORANGE	6.0	15.0	700	2,800	-40 to 100°C	160g/m
B098	NRP Twin	ORANGE	10.0	19.0	155	620	-40 to 93°C	600g/m

* Fitted with CEJN couplings & dust caps (10-116-1429 & 10-115-6404)

"PARKER" HIGH PRESSURE COUPLINGS - 700 BAR W.P.

Thread		Screw Type Coupler	
		Female	Male
3/8 NPT M in 3050-3			3010-3
3/8 NPT F in 3010-3			
			3009-3
DUST CAP TO SUIT SCREW TYPE COUPLERS		3005-3	

Thread		Flush-Face Coupler	
Thread	Thread Type	Female	Male (Nipple)
3/8 NPT	FEMALE	 10-116-1429	 10-115-6404

Refer page 113 for additional couplings

"CEJN" HIGH PRESSURE COUPLINGS

A one-hand-to-connect, non-drip coupling with built-in safety function



The one-hand-to-connect Flat-Face couplings have been developed to reliably meet the rigorous demands of high pressure hydraulic applications. Engineered to exacting tolerances, using the most durable materials, CEJN high pressure couplings hold up where other couplings fail.

FEATURES

One-hand-to-connect

The nipple is pushed into the coupling and is locked automatically. The locking sleeve does not need to be manually positioned.

Unique automatic safety function eliminates accidental disconnection

Turn the locking sleeve 30° and then pull backwards to release. The Flat-Face design ensures non-drip.

Maximum Working Pressure 800Bar



Thread	Thread Type	Flush-Face Coupler	
		Female Part Number	Male (Nipple) Part Number
1/4 BSPP	FEMALE PARALLEL	10-116-1219	10-115-6202
1/4 NPT	FEMALE	10-116-1419	10-115-6402
3/8 NPT	FEMALE	10-116-1429	10-115-6404
1/4 BSPP	MALE PARALLEL	10-116-1269**	10-115-6212**
3/8 BSPT	MALE TAPERED	10-116-1279	10-115-6154
3/8 NPT	MALE	10-116-1479	10-115-6454
1/4 NPT	MALE	10-116-1469	10-115-6452

Aluminium Dust Caps		
10-115-4101	10-115-4102	10-115-4100
SUITS ALL THE ABOVE NIPPLES	SUITS ALL THE ABOVE NIPPLES WITH PRESSURE ELIMINATOR	SUITS ALL THE ABOVE COUPLERS

**NOTE: USE WITH 19-950-0083 RUBBER/METAL SEAL

2022N HIGH PRESSURE NON-CONDUCTIVE HOSE

2022N High Pressure Non-Conductive Hydraulic hose assemblies are used in many applications where non-conductivity of hoses is required, including live power line work and cable spiking. We can supply 2022N high pressure hydraulic hose assemblies in any length required. Hose assemblies are supplied with 3/8" NPT male ends and can be fitted with any style of couplings required. 2022N hose is supplied with an orange outer jacket cover for easy identification. Hydraulic pressure test certificates can be supplied at extra cost if required. Meets or exceeds SAE J517 for less than 50 micro-amps of leakage under 75,000 volts per 300mm.

Series	Jacket Colour	Min. ID (mm)	Max. OD (mm)	Max. Work Pressure (MPa)	Min. Burst Pressure (MPa)	Min. Bend Radius (mm)	Weight (kg/mm)
2022N	Orange	6.0	15.0	69.0	275.9	64	0.16



Refer Page 112 and Above for Couplings