

C
PUMPS



USABLE OIL (cc)	MODEL NO.
350	P-235 Series
700	P-170 & P-270
1,000	P-2100H
2,000	P-2200 Series
2,600	P-2600
8,000	P-2800 Series
8,000+	Power Pumps

HAND PUMP RESERVOIR CAPACITY TABLE

Single acting cylinder capacity
(ton)

Stroke (mm)	5 10 12 15 20 25 30 50 60 75 100 150 200 250 300															
	5	10	12	15	20	25	30	50	60	75	100	150	200	250	300	
15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
75	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
125	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
175	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
225	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
250	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Double acting cylinder capacity
(ton)

Stroke (mm)	5 10 12 15 20 25 30 50 60 75 100 150 200 250 300															
	5	10	12	15	20	25	30	50	60	75	100	150	200	250	300	
15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
75	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
125	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
175	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
225	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
250	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

* 2,800 bar working pressure model

THE **P-SERIES** MANUAL HAND PUMPS OFFER A WIDE CHOICE OF STEEL AND ALUMINIUM BODIED MODELS.

Ideally suited to applications where portable manual hydraulic power is required. All models feature low handle effort for easy operation and are engineered for demanding industrial applications. Models are available to operate single and double acting cylinders and tools.

All P-Series hand pumps include a factory set safety pressure relief valve and come pre-filled with hydraulic oil.

SPECIFIC MODEL ADVANTAGES

- Drop forged pump head on models **P-170** and **P-270** for superior durability
- Unique oil reservoir breather incorporating a pressure relief valve to guard against accidental over pressurisation of the oil reservoir on models **P-2200**, **P-2200D** and **P-2260**
- Sealed bladder reservoir design on models **P-235A** and **P-235AT** allows operation in any position
- Twin outlet design pump head incorporating two needle valves on model **P-235AT**
- 2,800 bar working pressure model **P-2100H** can be used for bolt tensioning, bearing removal and high pressure testing



OIL CAPACITY

350 - 8,000 cc

1ST STAGE FLOW RANGE

3.1 - 113 cc

MAXIMUM OPERATING PRESSURES

240 / 700 / 2,800 bar

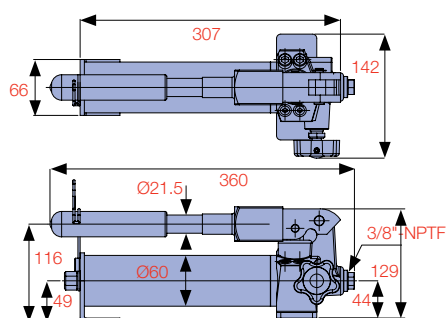
C
PUMPS

CYLINDER PISTON ROD SPEED TABLE

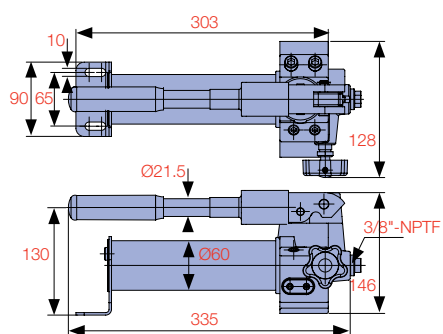
Model Number	Usable Oil (mL)	Pressure Stage		Cylinder Capacity (ton)											
				5	10	15	20	25	30	50	75	100	150	200	250
P-170	700	1st	mm of movement for each stroke of the pump handle	5.0	2.1	1.5	1.1	0.9	0.7	-	-	-	-	-	-
P-235A	350	1st		6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd		1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235AT	350	1st		6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd		1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235	350	1st		5.0	2.1	1.5	1.1	0.9	0.7	-	-	-	-	-	-
		2nd		11.2	4.8	3.4	2.5	2.1	1.7	1.0	-	-	-	-	-
P-2200A	2,000	1st		1.6	0.7	0.5	0.4	0.3	0.2	0.1	-	-	-	-	-
		2nd		20.6	8.9	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
P-2200AD	2,000	1st		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
		2nd		20.6	8.9	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
P-2100H	1,000	1st		3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
		2nd		20.8	9.0	6.4	4.6	3.9	3.1	1.8	-	-	-	-	-
P-2200	2,000	1st		1.0	0.4	0.3	0.2	0.2	0.2	0.1	-	-	-	-	-
		2nd		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
P-2200D	2,000	1st		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
		2nd		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
P-235L	350	1st		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-270	700	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2260	2,600	1st		48.0	20.7	14.8	10.6	9.0	7.1	4.2	2.9	2.3	1.5	1.0	-
		2nd		4.8	2.1	1.5	1.1	0.9	0.7	0.4	0.3	0.2	0.2	0.1	-
P-2800	8,000	1st		180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd		6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1
P-2800D	8,000	1st		180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd		6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1



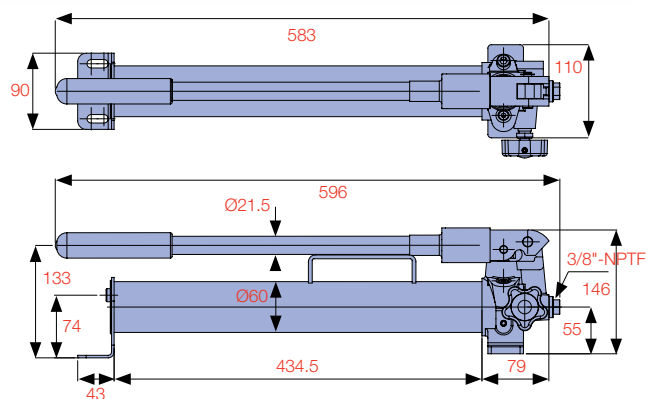
P-235



P-235L



P-170



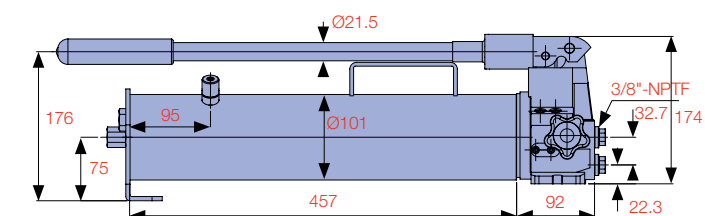
THE **P-SERIES** STEEL BODIED MANUAL HAND PUMP RANGE OFFERS A WIDE CHOICE OF TANK AND FLOW OPTIONS WHERE MANUAL PORTABLE HYDRAULIC POWER IS REQUIRED.

All pumps have a low handle effort for ease of operation and large, easy to grip external pressure release knobs. All models (excluding P-235L) incorporate a convenient carry handle. For applications requiring a high 1st stage flow the P-2260 offers 30cc per stroke within a compact portable package. Durapac's pump range is a robustly built industry proven performer.

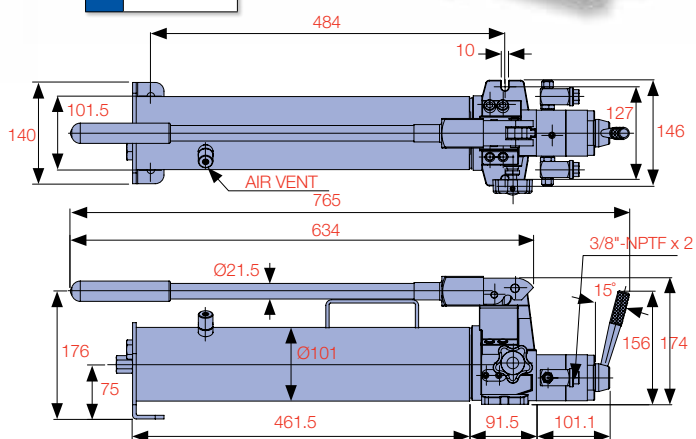
Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-235	Two Speed	S/A	2 Way	13.8	700	350	7.0	1.0	3/8"-NPTF	34	5.5
P-235L	Two Speed	S/A	2 Way	13.8	240	350	13.0	2.8	3/8"-NPTF	25	5.5
P-170	Single Speed	S/A	2 Way	700	-	700	3.1	-	3/8"-NPTF	33	6.5
P-270	Two Speed	S/A	2 Way	13.8	700	700	13.0	2.8	3/8"-NPTF	41	7.3
P-2200	Two Speed	S/A	2 Way	13.8	700	2,000	13.0	2.8	3/8"-NPTF	35	11.5
P-2200D	Two Speed	D/A	4 Way	13.8	700	2,000	13.0	2.8	3/8"-NPTF	37	11.5
P-2260	Two Speed	S/A	2 Way	28.0	700	2,600	30.0	3.0	3/8"-NPTF	36	13.5



P-2200



P-2200D



P-2260

OIL CAPACITY

350 - 2,600 cc

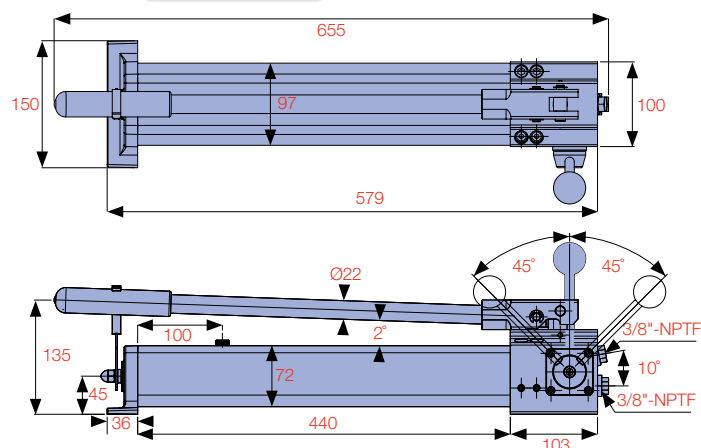
1ST STAGE FLOW RANGE

MAXIMUM OPERATING PRESSURE

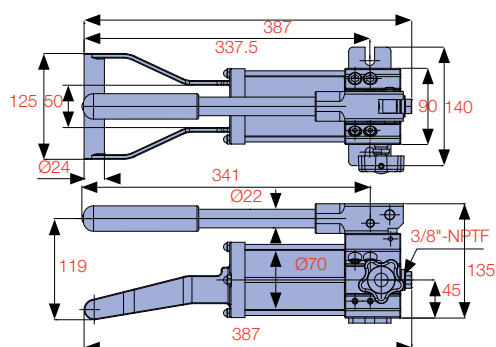
240 / 700 bar



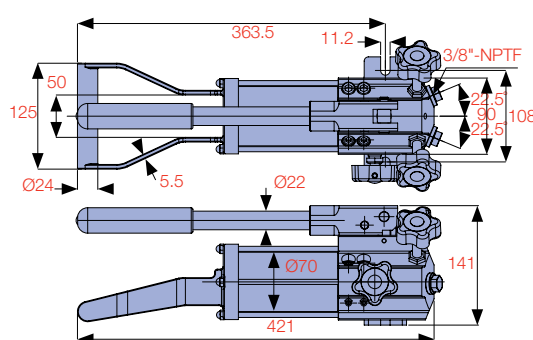
P-2200AD



P-235A



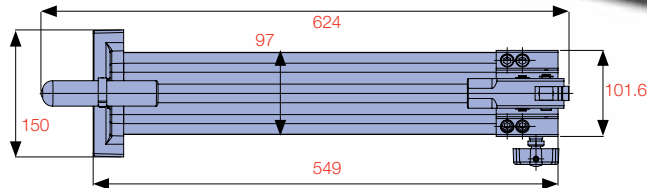
P-235AT



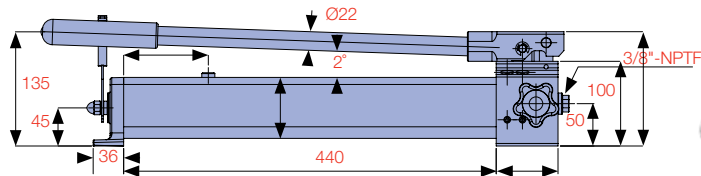
THE **P-SERIES** ALUMINIUM BODIED MANUAL HAND PUMP RANGE IS THE ULTIMATE IN LIGHTWEIGHT PORTABLE POWER.

All feature low handle effort for ease of operation and large easy to grip external pressure release knobs. Both the P-235A and P-235AT models feature a sealed bladder reservoir which allows the pump to be used at any operating angle. The P-235AT features a twin outlet design and incorporates two needle valves within the pump head. In applications requiring ultra high pressure the P-2100H offers a working pressure up to 2,800 bar. Durapac's pump range is a robustly built industry proven performer.

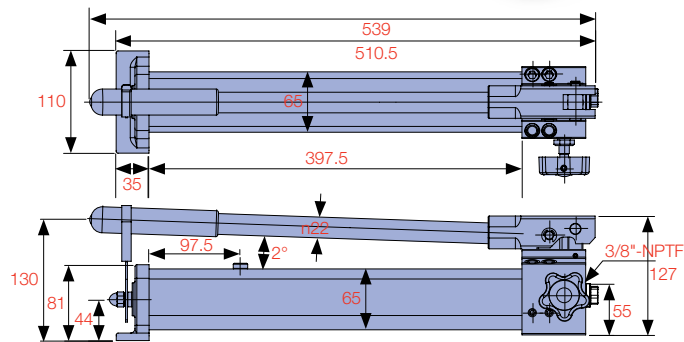
Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-235A	Two Speed	S/A	2 Way	13.8	700	350	3.9	0.59	3/8"-NPTF	55	3.7
P-235AT	Two Speed	S/A	Twin Outlet	13.8	700	350	3.9	0.59	3/8"-NPTF	55	3.8
P-2100A	Two Speed	S/A	2 Way	14.0	700	1,000	13.0	2.3	3/8"-NPTF	40	3.5
P-2100H	Two Speed	S/A	2 Way	28.0	2,800	1,000	13.0	0.7	3/4"-16UNF	40	6.9
P-2200A	Two Speed	S/A	2 Way	14.0	700	2,000	13.0	2.3	3/8"-NPTF	39	6.5
P-2200AD	Two Speed	D/A	4 Way	13.8	700	2,000	13.0	2.3	3/8"-NPTF	38	7.5



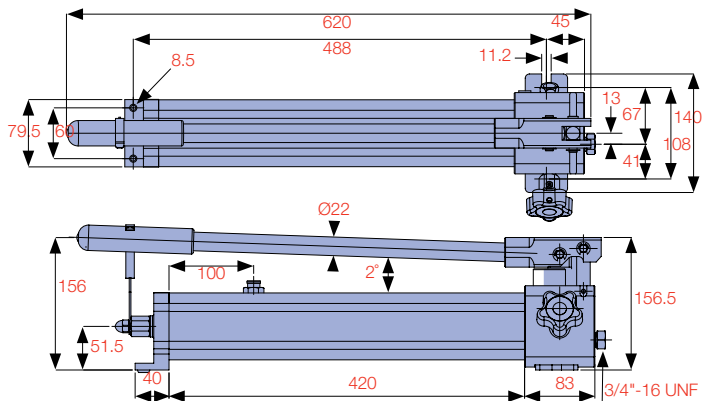
P-2200A



P-2100A



P-2100H ULTRA HIGH PRESSURE 2,800 BAR WP



PG-100-60K

4,000 bar
pressure gauge

FGA-2

4,000 bar gauge adaptor
Includes connection nipples
to suit pressure gauge and
hand pump



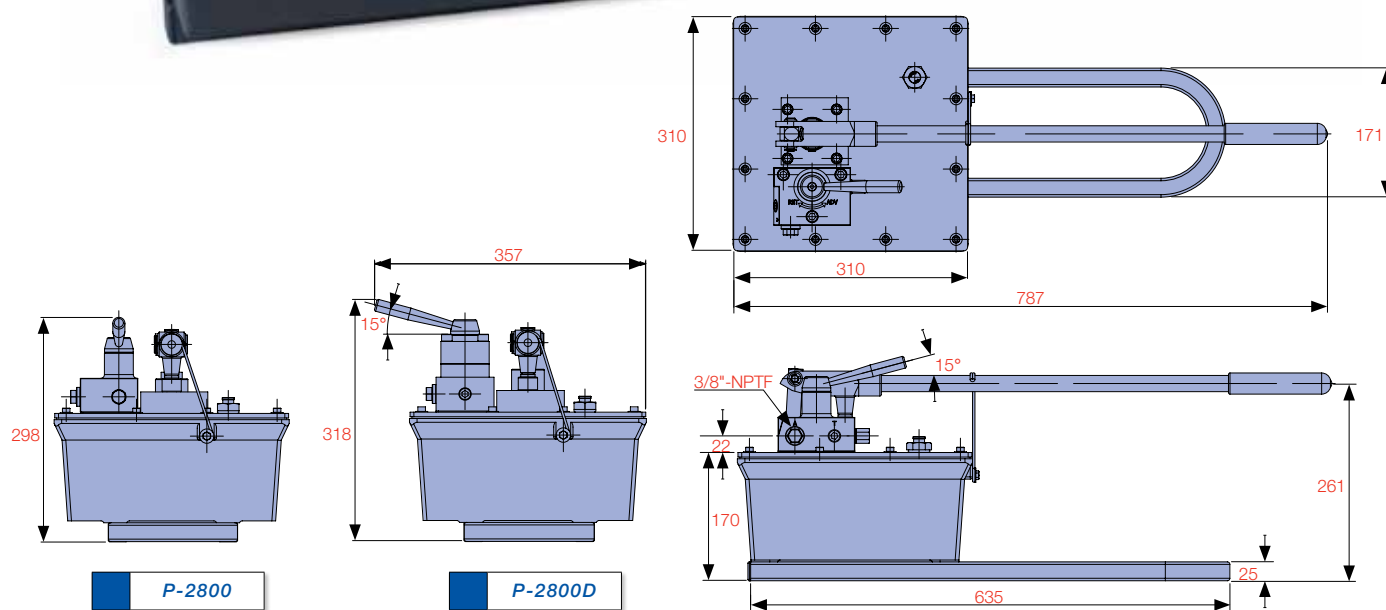
Did you know...

Durapac offers high pressure gauges and a gauge adaptor to suit the P-2100H 2,800 bar hand pump.

1

DURAPAC'S *HIGH FLOW MANUAL PUMP RANGE* IS THE ULTIMATE IN HIGH PERFORMANCE 2 SPEED PORTABLE POWER.

Ideally suited to operate high tonnage cylinders where conventional power sources are not available. Both models feature a first stage high flow of 113 cc per stroke for fast cylinder advance and retract and a high pressure power flow of 4 cc per stroke. Available with a 2 way valve for single acting applications or a 4 way valve for double acting applications. Durapac's pump range is robustly built and an industry proven performer.



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-2800	Two Speed	S/A	2 Way	27.5	700	8,000	113.0	4.0	3/8"-NPTF	29	29.0
P-2800D	Two Speed	D/A	4 Way	27.5	700	8,000	113.0	4.0	3/8"-NPTF	29	30.0

THE **CYLINDER KITS** ARE A CONVENIENT WAY TO PURCHASE REGULARLY REQUESTED CYLINDER AND HAND PUMP COMBINATIONS.

Popular cylinder combinations are available including low profile, aluminium and centre-hole. The range comprises 29 kit options that include a perfectly matched manual hand pump and 2 metre hose with coupling. A 63mm liquid filled pressure gauge with gauge adaptor is included with each kit.



Aluminium Cylinder Kits - Single Acting Spring Return								
Model	Capacity (ton)*	Stroke (mm)	Collapsed Height	Included in Set				
				Cylinder	Hand Pump	Hose	Gauge	Gauge Adaptor
CKA-302	30	50	181	AR-302	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-306		150	281	AR-306	P-2200A	HPS-0602CR	PG-63	FGA-1
CKA-502	50	50	186	AR-502	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-506		150	286	AR-506	P-2200A	HPS-0602CR	PG-63	FGA-1
Hollow Piston Cylinder Kits - Single Acting Spring Return								
CKH-121	12	42	120	RHS-121	P-270	HPS-0602CR	PG-63	FGA-1
CKH-123		76	184	RHS-123	P-270	HPS-0602CR	PG-63	FGA-1
CKH-202	20	49	162	RHS-202	P-270	HPS-0602CR	PG-63	FGA-1
CKH-206		155	306	RHS-206	P-270	HPS-0602CR	PG-63	FGA-1
CKH-302	30	64	178	RHS-302	P-270	HPS-0602CR	PG-63	FGA-1
CKH-306		155	330	RHS-306	P-2200	HPS-0602CR	PG-63	FGA-1
Low Profile Cylinder Kits - Single Acting Spring Return								
CKL-50	5	6	32	RFJ-50	P-270	HPS-0602CR	PG-63	FGA-1
CKL-100	10	12	43	RFJ-100	P-270	HPS-0602CR	PG-63	FGA-1
CKL-101		38	88	RLP-101	P-270	HPS-0602CR	PG-63	FGA-1
CKL-200	20	11	51	RFJ-200	P-270	HPS-0602CR	PG-63	FGA-1
CKL-201		45	98	RLP-201	P-270	HPS-0602CR	PG-63	FGA-1
CKL-300	30	13	58	RFJ-300	P-270	HPS-0602CR	PG-63	FGA-1
CKL-302		62	117	RLP-302	P-270	HPS-0602CR	PG-63	FGA-1
CKL-500	50	16	66	RFJ-500	P-270	HPS-0602CR	PG-63	FGA-1
CKL-502		60	122	RLP-502	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1000	100	16	85	RFJ-1000	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1002		57	141	RLP-1002	P-2200	HPS-0602CR	PG-63	FGA-1
General Jacking Cylinder Kits - Single Acting Spring Return								
CKG-102	10	54	121	RG-102	P-270	HPS-0602CR	PG-63	FGA-1
CKG-106		156	247	RG-106	P-270	HPS-0602CR	PG-63	FGA-1
CKG-252	25	50	165	RG-252	P-270	HPS-0602CR	PG-63	FGA-1
CKG-254		102	215	RG-254	P-270	HPS-0602CR	PG-63	FGA-1
CKG-256	50	158	273	RG-256	P-270	HPS-0602CR	PG-63	FGA-1
CKG-502		51	176	RG-502	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-504		101	227	RG-504	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-506		159	282	RG-506	P-2200	HPS-0602CR	PG-63	FGA-1

* Nominal Cylinder Capacity in ton - see kN values for actual capacity



THE **SPE 35 & 45 SERIES** ARE COMPACT PORTABLE ELECTRIC POWER UNITS.

These powerful units 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.

Model	Usable Oil (L)	Pressure Stage	Flow (Lpm)	Piston Rod speed (mm) per second	Force (ton)									
					10	15	20	25	30	50	75	100	150	200
Two Speed														
35 Series - Two Speed	1.6	1st	2.00		23.0	16.0	12.0	10.0	8.0	4.0	3.0	3.0	-	-
		2nd	0.20		2.0	1.6	1.2	1.0	0.8	0.4	0.3	0.3	-	-
45 Series - Two Speed	2-3	1st	2.50		29.0	21.0	15.0	13.0	10.0	5.0	4.0	3.0	2.1	1.6
		2nd	0.35		4.0	3.0	2.0	2.0	1.4	0.8	0.6	0.4	0.3	0.2

STEEL OIL RESERVOIR

with internal bladder allows pump to be used at any angle

REMOTE PENDANT CONTROL

2.5m is standard supply on all 35-Series

ELECTRIC COMMUTATOR MOTOR

0.35 kW (0.47HP)
230V 50/60Hz 4.5A
110V 9A (Option)

DIRECTIONAL CONTROL VALVES

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



MOTOR SIZE

0.35 - 0.45 kW

FLOW

0.2 - 0.35 Lpm @ 700 bar

MAXIMUM OPERATING PRESSURE

700 bar

PRESSURE GAUGE

63 mm diam. 0-1,000 bar as standard on all 45-Series

ONE PIECE ALLOY RESERVOIR

for lightweight durability

RESERVOIR SIGHT GAUGE

to monitor oil level

ELECTRIC COMMUTATOR MOTOR

0.45 kW (0.6HP)
230V 50/60Hz 4.5A
110V 9A (Option)

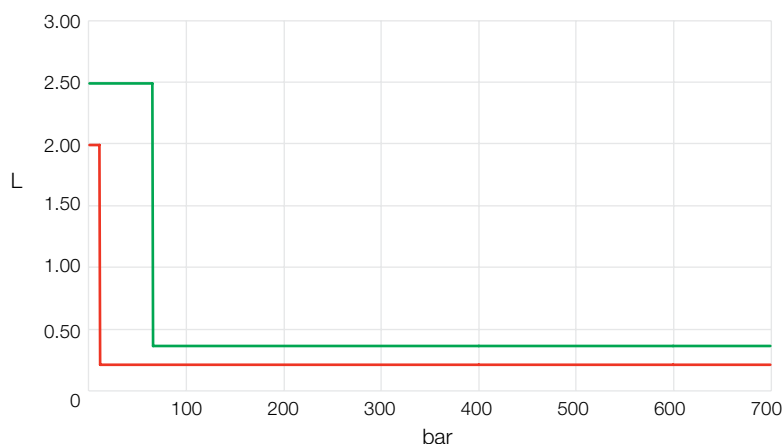
DIRECTIONAL CONTROL VALVES

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

REMOTE PENDANT CONTROL

2.5m is standard supply on all 45-Series

PERFORMANCE TABLES



Two Speed

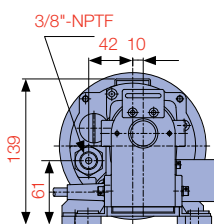
— SPE 35-Series

— SPE 45-Series

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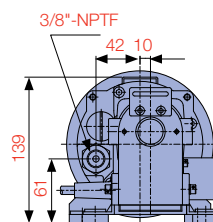
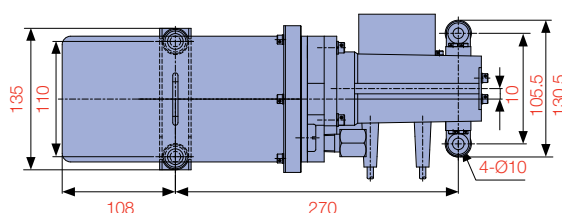
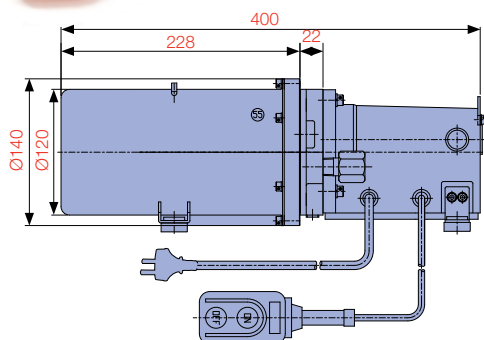
PUMPS

SPES3502NC

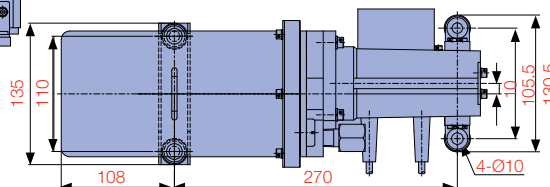
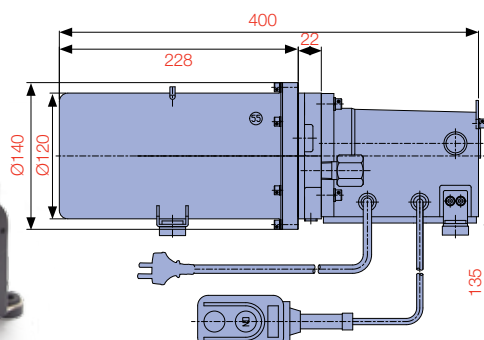


THE **SPE35-SERIES** POWER UNITS ARE CONFIGURED WITH A NUMBER OF VALVE AND PUMP FUNCTIONALITY OPTIONS TO ENSURE THAT THERE A SUITABLE POWER UNIT FOR EVERY APPLICATION.

Cost effective, portable and powerful these units are lightweight and have shoulder strap and handle for transport ease. Extremely simple to use. A pressure switch is an available option on the 35 Series.



SPES3502NO

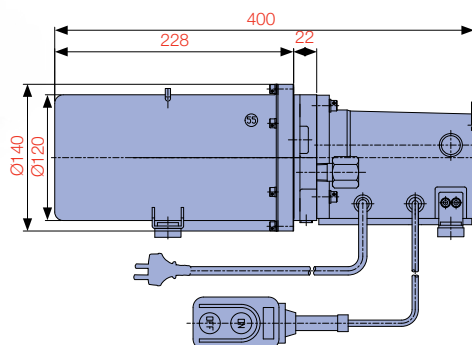
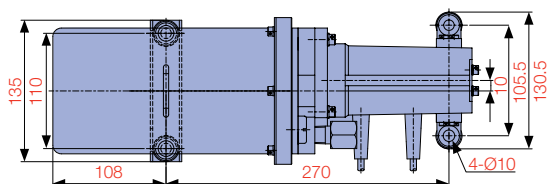
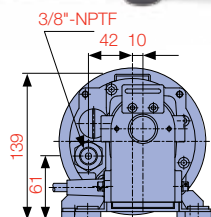


Model	Electric Motor (230 V 50/60 Hz)	Pressure Rating (bar)	Motor kW @ 2,000 rpm	Voltage	Amps	Flow Rate (Lpm)		Control Switch	Usable Oil Capacity (L)
						10 bar	700 bar		
SPE35 Series	Commutator type	700	0.35	230	4.5	2.0	0.2	Remote ON/OFF	1.6
				110	9				

Model Number	Valve Type Sol. = Solenoid Man. = Manual	Used with Cylinder	Cylinder/Pump Function	Weight (kg)
SPES3502NC	Sol. Pressure Hold type	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed. Cylinder can not be stopped on "Retract"	8.7
SPES3502NO	Sol. Auto Retract type	S/A	"Advance" when ON switch is pressed and the motor starts, Auto "Retract" when ON switch is released. The optional pressure switch allows the cylinder to be stopped at set pressure and return automatically	8.7
SPES3502AR	Internal "Pop Off" valve, Auto Retract type	S/A	"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	8.4
SPES3502IN	Sol. Pressure Hold type	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed. Cylinder can be stopped on "Retract"	9.0
SPEM35024	4w/3p Man.	D/A	When ON switch is pressed, motor will start. When ON switch is released, motor will stop. Advance, Hold, Retract via manual valve	9.7

[†]Standard motor supplied is 230V, should 110V be required; add "110V" to the end of the model number.

SPES3502AR



OIL CAPACITY

1,600 cc

FLOW

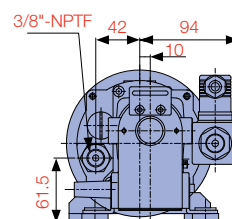
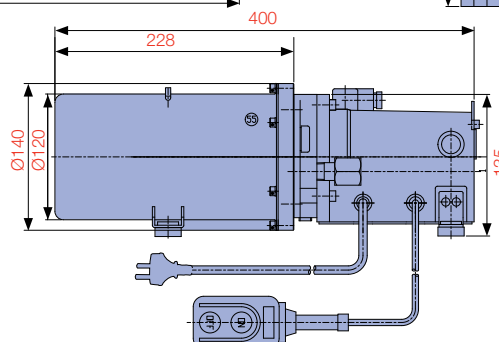
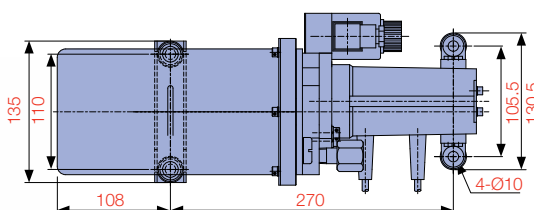
2 Lpm @ 10 bar

0.2 Lpm @ 700 bar

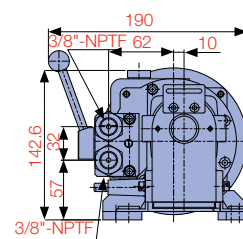
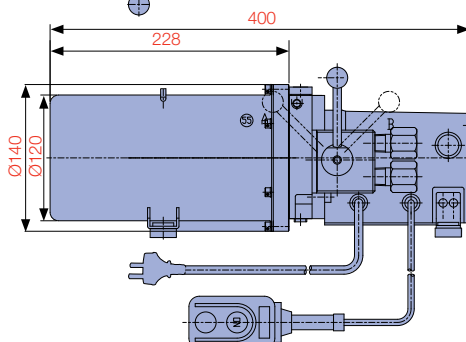
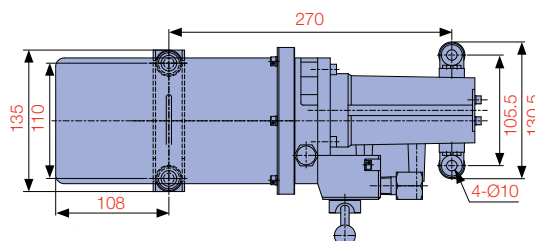
MAXIMUM OPERATING PRESSURE

700 bar

SPES3502IN



SPEM35024



C

PUMPS



THE **SPE45-SERIES** POWER UNITS ARE CONFIGURED WITH A NUMBER OF VALVE AND PUMP FUNCTIONALITY OPTIONS TO ENSURE THAT THERE IS A SUITABLE PUMP FOR EVERY APPLICATION.

Cost effective, portable and powerful these units are lightweight and have a carry handle integrated into the shroud. Extremely simple to use. Pressure switch, adjustable pressure relief and pilot check valves are available options on the 45 Series.

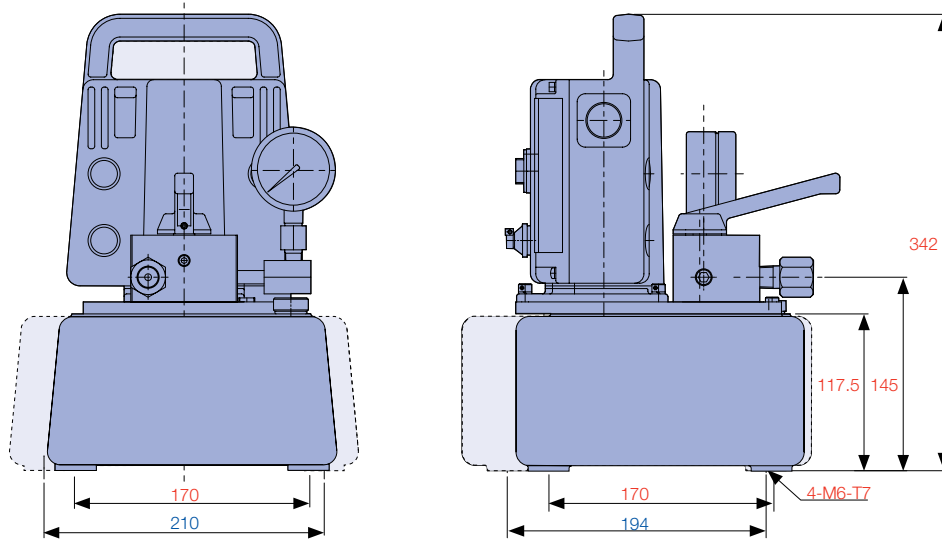
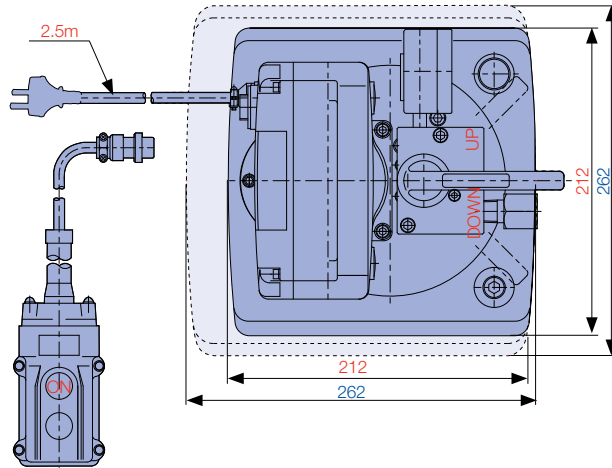
Model	Electric Motor (50/60 Hz)	Pressure Rating (bar)	kW @ 2,000 rpm	Voltage	Amps	Flow Rate (Lpm)		Fitted with	Usable Oil Capacity (L)	*Optional Large Tank Usable Oil Capacity (L)
						70 bar	700 bar			
SPE45 Series	Single phase, commutator type, insulation class 120 ("E")	700	0.45	230	4.5	2.5	0.35	Pressure Gauge	2	3
				110	9					

Model Number	Valve Type Sol. = Solenoid Man. = Manual	Used with Cylinder	Pump Function	Remote Pendant Function 2.4 mtr	Weight (kg)
SPEM4505M	Basic	S/A	P.T. manifold, without valve	MOTOR ON/OFF	16.3
SPEM45053	3w/2p Man.	S/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	18.1
SPES4505NC	3w/2p Sol.	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed	Adv/Hold/Retract	19.2
SPES4505NO	2w/2p Sol.	S/A	"Advance" when ON switch is pressed and the motor starts, Auto "Retract" when ON switch is released	MOTOR ON/OFF	20.5
SPEM45054	4w/3p Man.	D/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	18.1
SPES45054SP	4w/3p Sol.	D/A	"Advance"/"A" port Hold/ "Retract" with stacking type pilot-operated check valve fitted on "A" port line	Adv/Hold/Retract	20.5
SPES45054WP	4w/3p Sol.	D/A	"Advance"/"A" and "B" port Hold/ "Retract" with stacking type pilot-operated check valve fitted on "A" and "B" port lines. Pressure holding on both "A" and "B" ports	Adv/Hold/Retract	20.5

* To order with larger tank size; add "L" to the end of the model number

† Standard motor supplied is 230V, should 110V be required; add "110V" to the end of the model number

SPE45 SERIES DIAGRAM



MOTOR SIZE

0.35 - 0.45 kW

FLOW

0.2 - 0.35 Lpm @ 700 bar

MAXIMUM OPERATING PRESSURE

700 bar

SPEM4505M

SPES45054WP

SPES45054SP

SPES4505NC

SPES4505NO

SPEM45054

SPEM45053



C

PUMPS

THE DURAPAC **PE-SERIES** POWER UNITS ARE DESIGNED FOR EXTENDED DUTY APPLICATIONS REQUIRING SUSTAINED RELIABLE HYDRAULIC POWER.

At the heart of every unit is a field proven pump body featuring precision machined components and advanced design. Single speed radial piston options up to 8.1 Lpm offer reliable solutions to heavy duty applications while high performance automatic two speed pumps combine the best combination of speed and power. Split flow power units are ideal where synchronised lifting and lowering of loads is required regardless of weight distribution.



REMOTE PENDANT CONTROL

through a 24 Volt transformer is standard supply on 0.84, 1.5 kW and all solenoid power units

STEEL OIL RESERVOIR

for strength and durability

RESERVOIR SIGHT GAUGE

to monitor oil level

PRECISION PUMP

bodies available in a wide range of flow options including synchronised split flow

ELECTRIC INDUCTION MOTOR

options from 1.5-11 kW provide quite low rpm operation. 08 Series has universal motor for field use

DIRECTIONAL CONTROL VALVES

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

ADJUSTABLE PRESSURE RELIEF VALVE

is included on all models. Optional pilot checkplate is available on most models



MOTOR SIZE

0.84 - 11 kW

FLOW

0.73 - 8.1 Lpm@700 bar

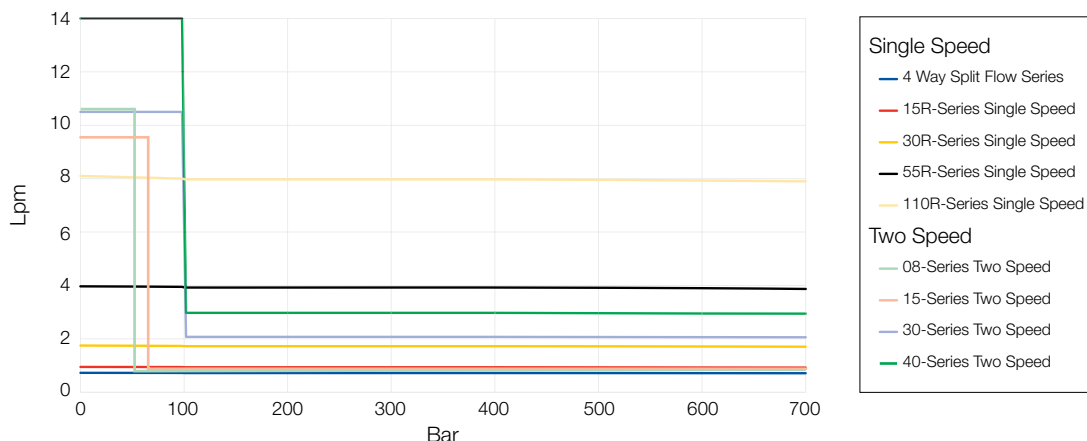
MAXIMUM OPERATING PRESSURE

700 bar

C

PUMPS

PERFORMANCE TABLES



Model	Usable Oil (L)	Pressure Stage	Flow (Lpm)	Force (ton)															
				10	15	20	25	30	50	75	100	150	200	250	300	400	500		
Single Speed																			
4 Way Split Flow Series	50	1st	4 x 0.73	8.4	6.0	4.2	3.7	2.9	1.6	1.2	0.9	0.6	0.5	0.3	0.3	0.2	0.2		
15R Series - Single Speed	20	1st	0.95	11	7.8	5.5	4.8	3.8	2.1	1.5	1.2	0.8	0.6	0.4	0.3	0.3	0.2		
30R Series - Single Speed	20	1st	1.75	20	14	10	8.8	6.9	3.8	2.8	2.2	1.5	1.1	0.8	0.6	0.5	0.4		
55R Series - Single Speed	50	1st	3.97	46	33	23	20	16	8.6	6.5	5.0	3.3	2.5	1.8	1.5	1.2	0.9		
110R Series - Single Speed	100	1st	8.10	93	67	47	41	32	18	13	10	6.8	5.1	3.7	3.0	2.4	1.8		
Two Speed																			
08 Series - Two Speed	7 - 20	1st	10.5	120	86	60	53	41	22	16	13	8.0	6.0	4.0	3.0	3.0	2.3		
		2nd	0.9	10	7.5	5.3	4.5	3.6	1.9	1.5	1.1	0.7	0.5	0.4	0.3	0.2	0.2		
15 Series - Two Speed	10 - 20	1st	9.5	109	78	55	48	38	21	15	12	8.0	6.0	4.3	3.5	2.8	2.2		
		2nd	1.1	13	9.1	6.4	5.5	4.4	2.4	1.8	1.4	0.9	0.7	0.5	0.4	0.3	0.3		
30 Series - Two Speed	20 - 50	1st	10.50	121	86	61	53	42	23	17	13	8.8	6.6	4.8	3.8	3.1	2.4		
		2nd	2.10	24	17	12	11	8.3	4.5	3.4	2.6	1.8	1.3	1.0	0.8	0.6	0.5		
40 Series - Two Speed	20 - 50	1st	14.00	161	115	81	70	56	30	23	18	12	8.8	6.4	5.1	4.2	3.2		
		2nd	3.00	35	25	17	15	12	6.5	4.9	3.8	2.5	1.9	1.4	1.1	0.9	0.7		



THE **DURAPAC AUTO TWO SPEED** POWER UNIT RANGE OFFERS HIGH PERFORMANCE FLOW COMBINATIONS FOR APPLICATIONS REQUIRING SPEED AND POWER.

Single phase 08 Series has a universal motor and are ideal for field use with generators. Single phase 1.5 kW versions operate on a standard 10 amp power source and provide high flows in a portable package. Three phase 3 and 4 kW, 415 Volt versions are ideal for operating medium to large tonnage cylinders and systems.

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.

4 WAY MANUAL VALVE



4 Way/3 Position directional control valve for controlling double acting cylinders.

3 WAY MANUAL VALVE



3 Way/3 Position directional control valve for controlling single acting cylinders.

3 & 4 WAY SOLENOID VALVE



3 and 4 Way/3 Position directional control valve for remote actuation of cylinders.

Model No.	Flow Rate (Lpm)		Pressure Rating (bar)		Motor kW	Voltage (50 Hz)	Amps	Remote Pendant Function 4 mtr	Valve Type (3/8"-NPTF Ports) Sol.= Solenoid Man.= Manual	Usable Oil Cap. (L)	Approx. Dry Weight (kg)	Approx. Dimensions (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage								
08 SERIES												
PEM8414 [^]	10.5	0.9	50	700	0.84	240	10.0	MOTOR ON/OFF	4w/3p Man.	7	25	320 W x 400 L x 565 H
PEM8424 [^]	10.5	0.9	50	700	0.84	240	10.0	MOTOR ON/OFF	4w/3p Man.	20	41	368 W x 490 L x 715 H
15 SERIES												
PEM1513	9.5	1.1	65	700	1.5	240	8.3	MOTOR ON/OFF	3w/3p Man.	10	46	270 W x 410 L x 565 H
PEM1523	9.5	1.1	65	700	1.5	240	8.3		3w/3p Man.	20	53	300 W x 450 L x 605 H
PEM1514	9.5	1.1	65	700	1.5	240	8.3		4w/3p Man.	10	46	270 W x 410 L x 565 H
PEM1524	9.5	1.1	65	700	1.5	240	8.3		4w/3p Man.	20	53	300 W x 450 L x 605 H
PES1513	9.5	1.1	65	700	1.5	240	8.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Sol.	10	59	270 W x 410 L x 565 H
PES1523	9.5	1.1	65	700	1.5	240	8.3		3w/3p Sol.	20	58	300 W x 450 L x 605 H
PES1514	9.5	1.1	65	700	1.5	240	8.3		4w/3p Sol.	10	51	270 W x 410 L x 565 H
PES1524	9.5	1.1	65	700	1.5	240	8.3		4w/3p Sol.	20	58	300 W x 450 L x 605 H
30 SERIES												
PEM3023	10.5	2.1	100	700	3.0	415	6.3	*	3w/3p Man.	20	71	320 W x 450 L x 560 H
PEM3053	10.5	2.1	100	700	3.0	415	6.3	*	3w/3p Man.	50	78	440 W x 750 L x 680 H
PEM3024	10.5	2.1	100	700	3.0	415	6.3	*	4w/3p Man.	20	71	320 W x 450 L x 560 H
PEM3054	10.5	2.1	100	700	3.0	415	6.3	*	4w/3p Man.	50	78	440 W x 750 L x 680 H
PES3023	10.5	2.1	100	700	3.0	415	6.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Sol.	20	77	320 W x 450 L x 560 H
PES3053	10.5	2.1	100	700	3.0	415	6.3		3w/3p Sol.	50	84	440 W x 750 L x 680 H
PES3024	10.5	2.1	100	700	3.0	415	6.3		4w/3p Sol.	20	77	320 W x 450 L x 560 H
PES3054	10.5	2.1	100	700	3.0	415	6.3		4w/3p Sol.	50	84	440 W x 750 L x 680 H
40 SERIES												
PEM4023	14.0	3.0	110	700	4.0	415	8.85	*	3w/3p Man.	20	80	320 W x 450 L x 590 H
PEM4053	14.0	3.0	110	700	4.0	415	8.85	*	3w/3p Man.	50	87	440 W x 750 L x 710 H
PEM4024	14.0	3.0	110	700	4.0	415	8.85	*	4w/3p Man.	20	80	320 W x 450 L x 590 H
PEM4054	14.0	3.0	110	700	4.0	415	8.85	*	4w/3p Man.	50	87	440 W x 750 L x 710 H
PES4023	14.0	3.0	110	700	4.0	415	8.85	SOLENOID ADV/HOLD/RETRACT	3w/3p Sol.	20	86	320 W x 450 L x 590 H
PES4053	14.0	3.0	110	700	4.0	415	8.85		3w/3p Sol.	50	93	440 W x 750 L x 710 H
PES4024	14.0	3.0	110	700	4.0	415	8.85		4w/3p Sol.	20	86	320 W x 450 L x 590 H
PES4054	14.0	3.0	110	700	4.0	415	8.85		4w/3p Sol.	50	93	440 W x 750 L x 710 H

* Standard supply is motor mounted ON/OFF/JOG switch. Remote pendant is optional. To order with remote pendant; add "R" to the end of the model number.

[^] Standard supply includes roll frame and 63mm diameter pressure gauge.



THE **SINGLE SPEED** RADIAL PISTON POWER UNITS OFFER A RANGE OF FLOW AND POWER OPTIONS TO SUIT MANY INDUSTRIAL APPLICATIONS.

These power units are suitable for heavy duty applications and offer flows from 0.95 Lpm to 8.10 Lpm at 700 bar pressure. Valve options for operating single and double acting cylinders are available in manual or solenoid control.



MOTOR SIZE

0.84 - 11 kW

FLOW

0.73 - 8.1 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

THE **SPLIT FLOW** POWER UNIT OFFERS SYNCHRONISED LIFTING AND LOWERING OF LOADS REGARDLESS OF WEIGHT DISTRIBUTION.

Power is provided by a single electric motor to a single pump body incorporating 4 pressure outlets. Oil flow per outlet is identical for each revolution of the electric motor. The split flow power unit provides a simple effective solution to critical lifting and lowering applications. Manual valve options for double acting cylinders are standard and solenoid control is optional. Durapac also offers other split combinations such as 2 way, 6 way and 8 way.



Model No.	Flow Rate (Lpm)	Pressure Rating (bar)	Motor kW @ 1,450 rpm	Voltage (50 Hz)	Amps	Pendant Control	Valve Type Sol.= Solenoid Man.= Manual	Usable Oil Cap. (L)	Approx. Dry Weight (kg)	Approx. Dimensions (mm)
RADIAL SINGLE SPEED SERIES										
PEMR1523	0.95	700	1.5	240	8.3	MOTOR ON/OFF	3w/3p Man.	20	53	300 W x 450 L x 605 H
PEMR1524	0.95	700	1.5	240	8.3		4w/3p Man.	20	53	300 W x 450 L x 605 H
PESR1523	0.95	700	1.5	240	8.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Sol.	20	59	300 W x 450 L x 605 H
PESR1524	0.95	700	1.5	240	8.3		4w/3p Sol.	20	59	300 W x 450 L x 605 H
PEMR3023	1.75	700	3.0	415	6.3	*	3w/3p Man.	20	55	320 W x 450 L x 560 H
PEMR3024	1.75	700	3.0	415	6.3	*	4w/3p Man.	20	55	320 W x 450 L x 560 H
PESR3023	1.75	700	3.0	415	6.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Sol.	20	61	320 W x 450 L x 560 H
PESR3024	1.75	700	3.0	415	6.3		4w/3p Sol.	20	61	320 W x 450 L x 560 H
PEMR5553	3.97	700	5.5	415	11.3	*	3w/3p Man.	50	99	270 W x 440 L x 750 H
PEMR5554	3.97	700	5.5	415	11.3	*	4w/3p Man.	50	99	270 W x 440 L x 750 H
PESR5553	3.97	700	5.5	415	11.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Sol.	50	105	270 W x 440 L x 750 H
PESR5554	3.97	700	5.5	415	11.3		4w/3p Sol.	50	105	270 W x 440 L x 750 H
PEMR11103	8.10	700	11	415	19.8	**	3w/3p Man.	100	**	**
PEMR11104	8.10	700	11	415	19.8	**	4w/3p Man.	100	**	**
PESR11103	8.10	700	11	415	19.8	SOLENOID ADV/HOLD/ RETRACT	3w/3p Sol.	100	**	**
PESR11104	8.10	700	11	415	19.8		4w/3p Sol.	100	**	**
SPLIT FLOW SERIES										
PEMS4054	4 x 0.73	700	4.0	415	8.85	*	4w/3p Man.	50	180	440 W x 750 L x 710 H

* Standard supply is motor mounted ON/OFF/JOG switch. Remote pendant is optional.
To order with remote pendant; add "R" to the end of the model number.

** Consult Durapac.

C

PUMPS

THE **DPR-SERIES** ROTARY AIR DRIVEN POWER UNITS ARE A TWO SPEED HIGH PERFORMANCE PUMP DESIGN.

They are ideally suited to applications where air is the preferred power source. A choice of valve configurations allows them to be used with single or double acting cylinders and tools. Optional valve sub-plates offer pressure and flow control. All models feature a Gast® heavy duty air motor with a slide type motor ON/OFF air supply valve and 11 L usable oil reservoir.



Model No.	Used with Cylinder	Motor Size (kW)	Usable Oil Capacity (L)	Maximum Pressure Rating (bar)	Pressure Rating (bar)		Oil Output Flow Rate (Lpm)		Valve Type
					1st Stage	2nd Stage	1st Stage	2nd Stage	
DPR-222	S/A	1.27	11.0	700	48	700	5.1	0.36	Dump
DPR-223	S/A	1.27	11.0	700	48	700	6.8	0.36	Manual 3w/3p
DPR-224	D/A	1.27	11.0	700	48	700	6.8	0.36	Manual 4w/3p



Did you know...

Durapac offers a range of optional sub-plates and directional control valves to suit the DPR-Series air driven power units.

1

Optional air actuated directional control valves, 3 & 4 way versions available.

2

Optional pilot check valve sub-plate.

3

Optional adjustable pressure relief valve sub-plate.

1



2



3



OIL CAPACITY

11 L

AIR PRESSURE RANGE

4.1 - 5.6 bar

MAXIMUM OPERATING PRESSURE

700 bar

C

PUMPS



DPR-222

Dump valve is a 2 way, 2 position lever operated flipper valve:

Position 1: oil goes from pump to cylinder/tool and line pressure is held when pump is stopped.

Position 2: oil goes from pump to cylinder/tool and flows back automatically when pump is stopped.



DPR-223

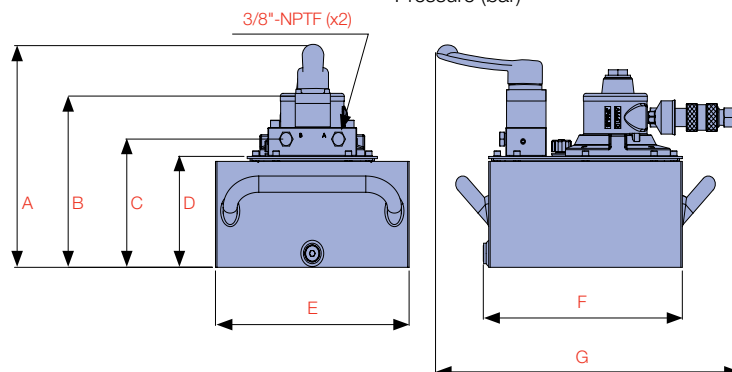
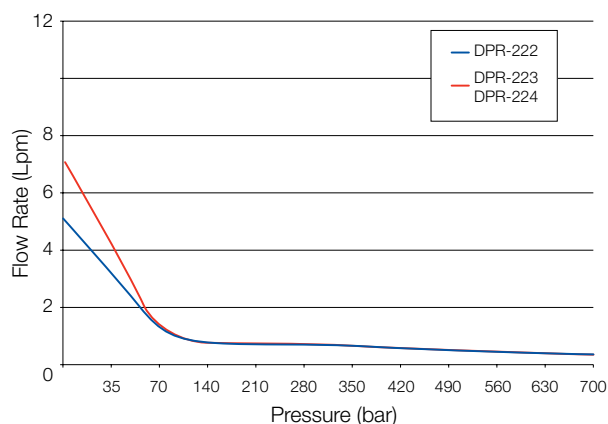
Manual 3 way/3 position valve for Advance/Hold/Retract of single acting cylinder/tool. Valve handle operation can be swapped from detent to spring loaded.



DPR-224

Manual 4 way/3 position valve for Advance/Hold/Retract of a double acting cylinder/tool. Valve handle detent operation.

PERFORMANCE CHART



Valve Function	Air Pressure Range (bar)	Air Consumption (Lpm)	Sound Level (dB)	Dimensions (mm)							Weight (kg)
				A	B	C	D	E	F	G	
Advance/Return	4.1 – 5.6	1,246	93	-	303	212	184	305	313	456	24
Advance/Hold/Return	4.1 – 5.6	1,246	93	-	292	208	184	305	313	-	24
Advance/Hold/Return	4.1 – 5.6	1,246	93	362	295	208	184	305	313	459	24



C

PUMPS

THE **DPA-SERIES** OF AIR DRIVEN HYDRAULIC PUMPS ARE A FIELD PROVEN ECONOMICAL CHOICE OF POWER SOURCE FOR RUNNING SMALL TO MEDIUM HYDRAULIC CYLINDERS AND TOOLS WHEN COMPRESSED AIR IS AVAILABLE.

All models have a maximum working pressure of 700 bar and metal oil reservoirs for strength and durability. A convenient carry handle is built into the treadle and all pumps are supplied pre-filled with oil and ready for immediate use.



FEATURES



- Choice of 1.5, 3.8 & 7.5 L usable oil reservoirs



- Remote actuation for adv/hold/retract functions



- 3 position treadle for adv/hold/retract functions



- Convenient carry handle included



- Dust cover protection for the release control valve



- 4 way directional control valve to operate double acting cylinders



- Release detent function enhances productivity



- Recommended air pressure range 4-12 bar



- 1.5 L high strength, reinforced alloy oil reservoir. 3.8 & 7.5 L reservoirs are made from durable steel

OIL CAPACITY

1.5 - 7.5 L

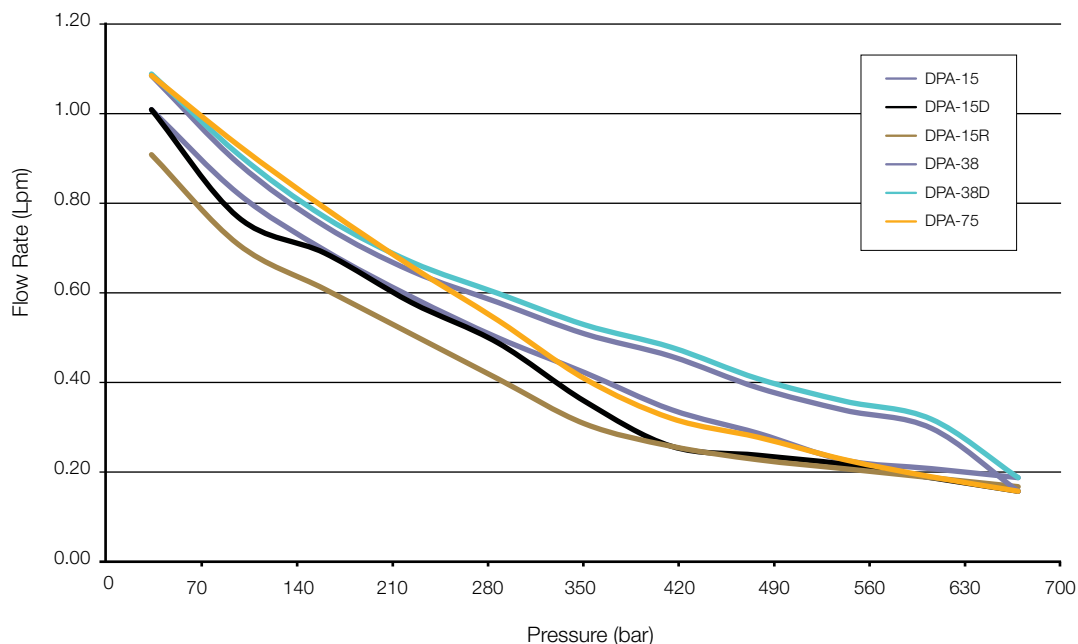
AIR PRESSURE RANGE

4 - 12 bar

MAXIMUM OPERATING PRESSURE

700 bar

PRESSURE VS FLOW RATE



DPA-75



DPA-38

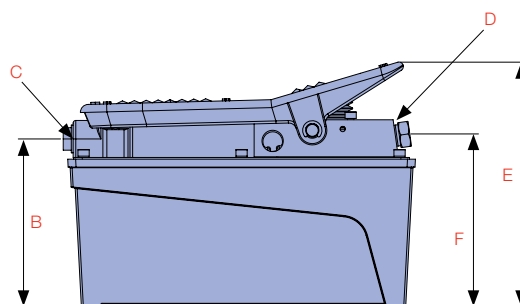
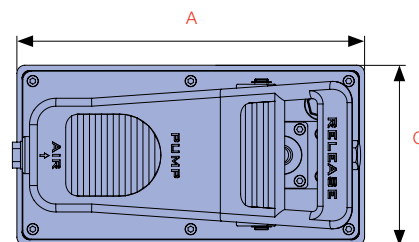


DPA-15

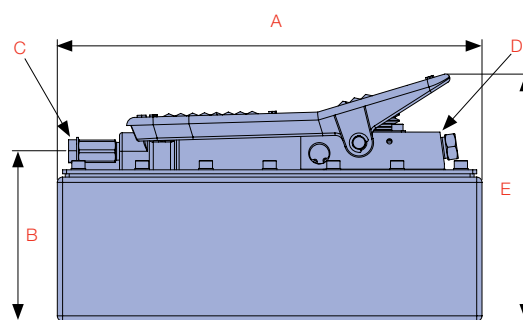
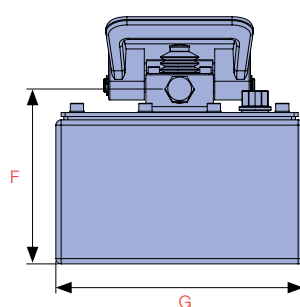


THE **DPA-15 (1.5 L)**, **DPA-38 (3.8 L)** AND **DPA-75 (7.5 L)** MODELS ARE THE STANDARD WORK HORSES OF THE RANGE.

Each has a 3 position treadle with advance/hold/retract functions, dust cover protection for the release control valve and a reinforced metal oil reservoir.



DPA-15



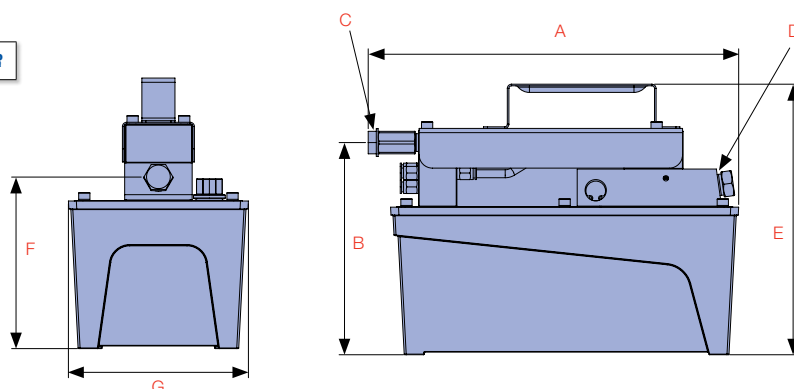
DPA-38 & DPA-75

Model Number	Used with Cylinder	Usable Oil Capacity (cc)	Pressure Rating (bar)	Output Flow Rate (cm ³ /min)		Air Pressure Range (bar)	Dimension (mm)							Weight (kg)
				No load	Load		A	B	C	D	E	F	G	
DPA-15	S/A	1,500	700	1,000	180	4-12	263	127	1/4"-NPT	3/8"-NPTF	185	131	136	8.2
DPA-15D	D/A	1,500	700	1,000	150	4-12	263	127	1/4"-NPT	3/8"-NPTF	203	136	136	8.7
DPA-15R	S/A	1,500	700	900	160	4-12	279	160	1/4"-NPT	3/8"-NPTF	204	130	136	8.8
DPA-38	S/A	3,800	700	1,075	150	4-12	321	129	1/4"-NPT	3/8"-NPTF	187	133	187	12.3
DPA-38D	D/A	3,800	700	1,075	180	4-12	321	129	1/4"-NPT	3/8"-NPTF	204	133	187	13.5
DPA-75	S/A	7,550	700	1,075	150	4-12	321	155	1/4"-NPT	3/8"-NPTF	212	159	255	17.4

THE **DPA-15R** IS A REMOTE EQUIPPED AIR DRIVEN HYDRAULIC PUMP AND IS IDEALLY SUITED WHEN A REMOTE ACTUATION OF THE PUMP IS REQUIRED.

The pump will operate small to medium sized single acting cylinders and is supplied with a 3 metre long hand lead with advance-hold-retract button on the remote.

DPA-15R



OIL CAPACITY

1.5 - 7.5 L

AIR PRESSURE RANGE

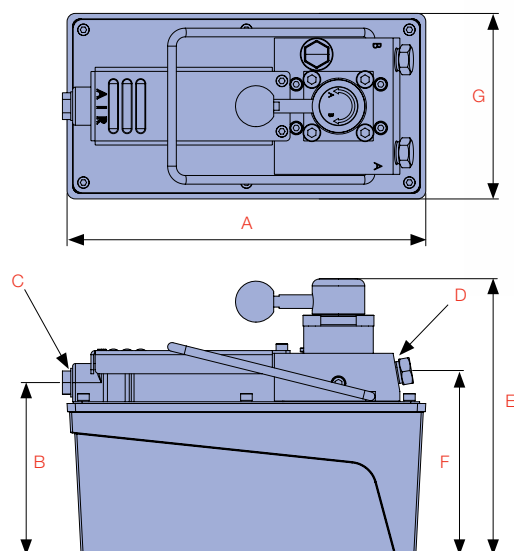
4 - 12 bar

MAXIMUM OPERATING PRESSURE

700 bar



DPA-15D & DPA-38D



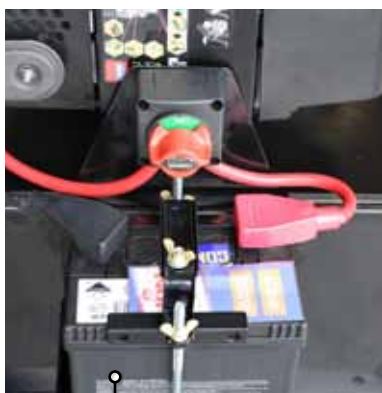
THE **DPA-15D** AND **DPA-38D** ARE AIR DRIVEN HYDRAULIC PUMPS WITH A 4 WAY/3 POSITION MANUAL DIRECTIONAL CONTROL VALVE.

They are designed for operating double acting, small to medium sized cylinders and tools.



C

PUMPS



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.

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
0-1,000 bar

SHUTDOWN PROTECTION

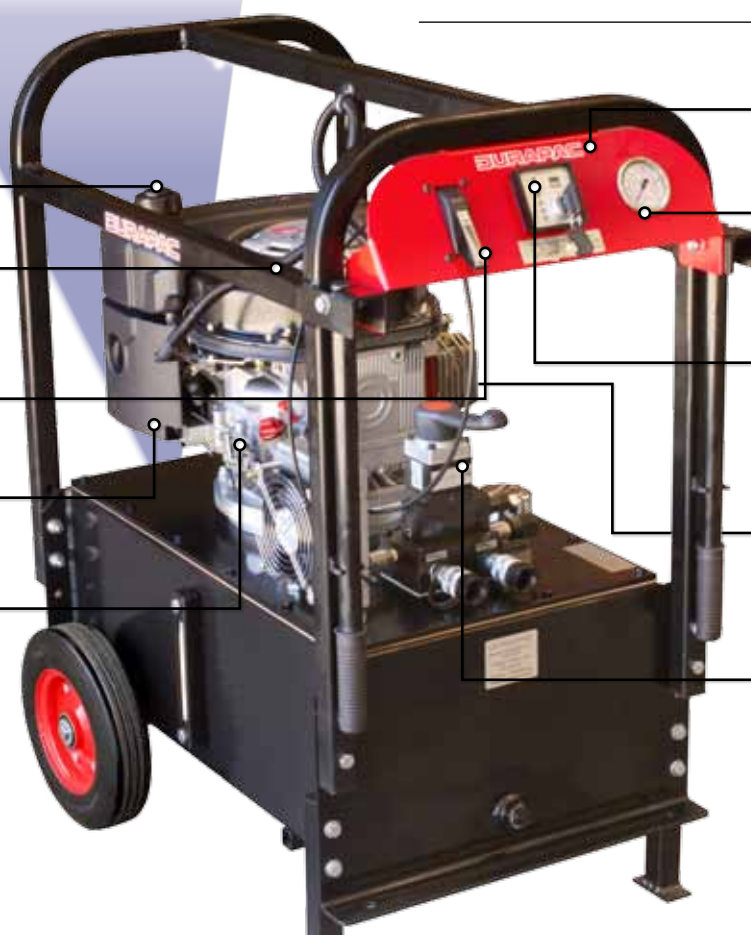
on high temperature
and low oil pressure

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 / RETRACT	3w/3p Sol.	50	190	450 W x 750 L x 650 H
PDS3054	Diesel	3.4	2,200	2.5	700		4w/3p Sol.	50	190	450 W x 750 L x 650 H

THE **PDM3054-RAIL** DIESEL DRIVEN RAILWAY POWER UNIT IS SUITABLE FOR HEAVY DUTY APPLICATIONS IN THE FIELD AND CAN DELIVER A MINIMUM FLOW OF 2.5 LPM AT 700 BAR PRESSURE.

It is specifically designed to operate rail tensors and weld shears commonly used in the railway industry. It features a selector valve to choose which tool to operate and individual directional control valves for each tool. Tools can be single or double acting and each tool may have a different maximum operating pressure.



Did you know...

Durapac diesel power units can be custom designed to suit many applications. Variations in function, pressure and flow can be achieved. Consult Durapac for more information.



MOTOR SIZE

3.4 kW

FLOW

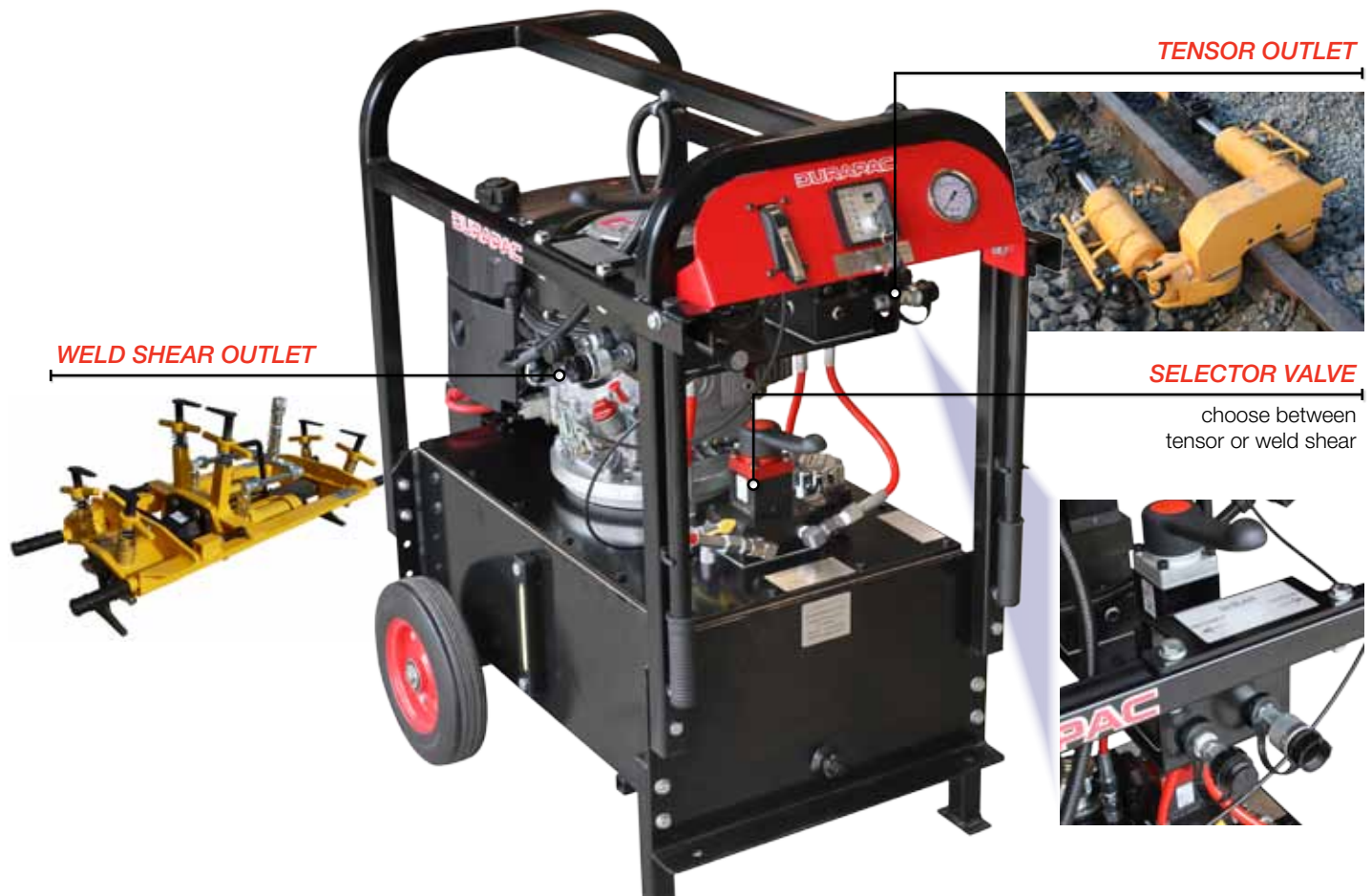
2.5 Lpm

MAXIMUM OPERATING PRESSURE

700 bar

C

PUMPS



WELD SHEAR OUTLET

TENSOR OUTLET

SELECTOR VALVE

choose between
tensor or weld shear

Model Number	Motor Type	kW	rpm	Flow Rate (Lpm) @ 700 bar	Maximum Pressure Rating (bar)*	Valve Types (3/8"-NPTF Ports)	Usable Oil Capacity (L)	Approx. Dry Weight (kg)	Approx. Dimensions (mm)
PDM3054-RAIL	Diesel	3.4	2,200	2.5	700	Selector Shear** Tension**	50	190	450 W x 750 L x 650 H

* Specify tool working pressure at placement of order.

** Specify single or double acting tools at placement of order.

THE **PHS-SERIES** ARE AIR OPERATED HYDROSTATIC POWER UNITS THAT WORK WITH EITHER WATER OR OIL.

These self-contained units are compact and robust and operate at either 300 or 700 bar. They come complete with air filter, regulator, lubricator, air/hydraulic pressure gauges, outlet pressure connection block, release valve and interconnecting pipework. The equipment is mounted inside a stainless steel frame and the power unit is ideally suited to hydrostatic testing, operation of hydraulic valve actuators, clamping and tensioning tools.



STRAINER FILTER

supplied on fluid inlet

FILTER, REGULATOR AND LUBRICATOR

are supplied on the air inlet

AIR PRESSURE GAUGE

to monitor working air pressure

LIQUID FILLED HYDROSTATIC PRESSURE GAUGE

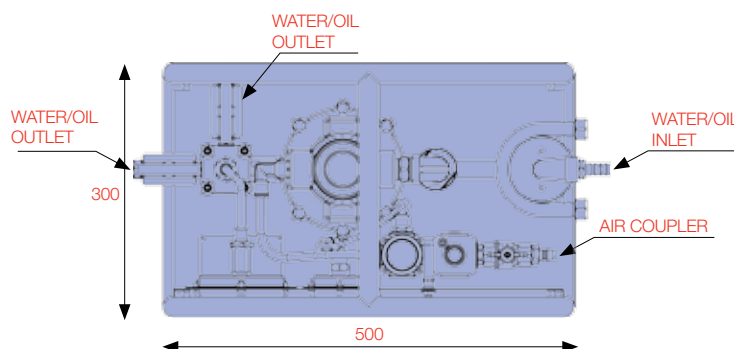
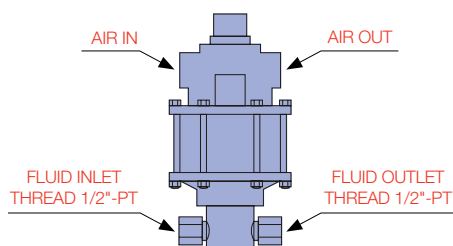
scale is bar/psi

STAINLESS STEEL BASE AND FRAME

resists corrosion and allows for easy handling

WATER/OIL OUTLETS

fitted with a 3/8"-18NPTF needle valve to allow greater control



Model Number	Compression Ratio	Output Oil/Water Flow Rate (cm ³ /stroke)	Maximum Operating Pressure (bar)	Working Air Pressure (bar)	Weight (kg)	Water/Oil Inlet Thread	Approx. Dimensions (mm)
PHS-300	1:60	6.4	300	5 ~ 7	25	3/8"-18NPTF	500 W x 300 L x 420 H
PHS-700	1:150	2.5	700	5 ~ 7	25	3/8"-18NPTF	500 W x 300 L x 420 H

THE **PHS-1900** IS A MANUALLY OPERATED HYDROSTATIC POWER UNIT THAT WORKS WITH EITHER WATER OR OIL.

Special steels and rust proofing treatments allow the unit to be used in test applications using water as the hydraulic medium. It is a single speed pump and is fitted with a high pressure safety relief valve set at 700 bar. A reservoir fill plug allows the use of an additional reservoir if more volume is required.



RESERVOIR CAPACITY

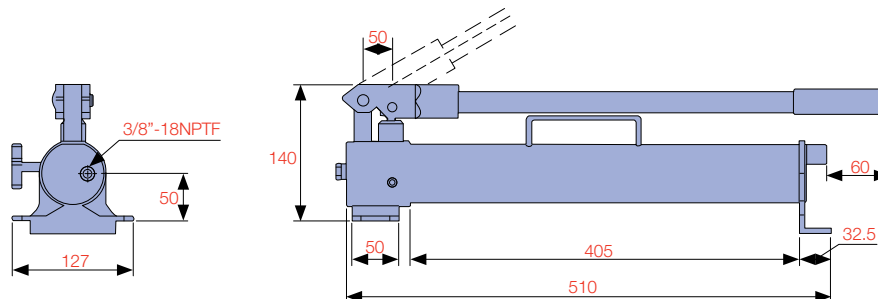
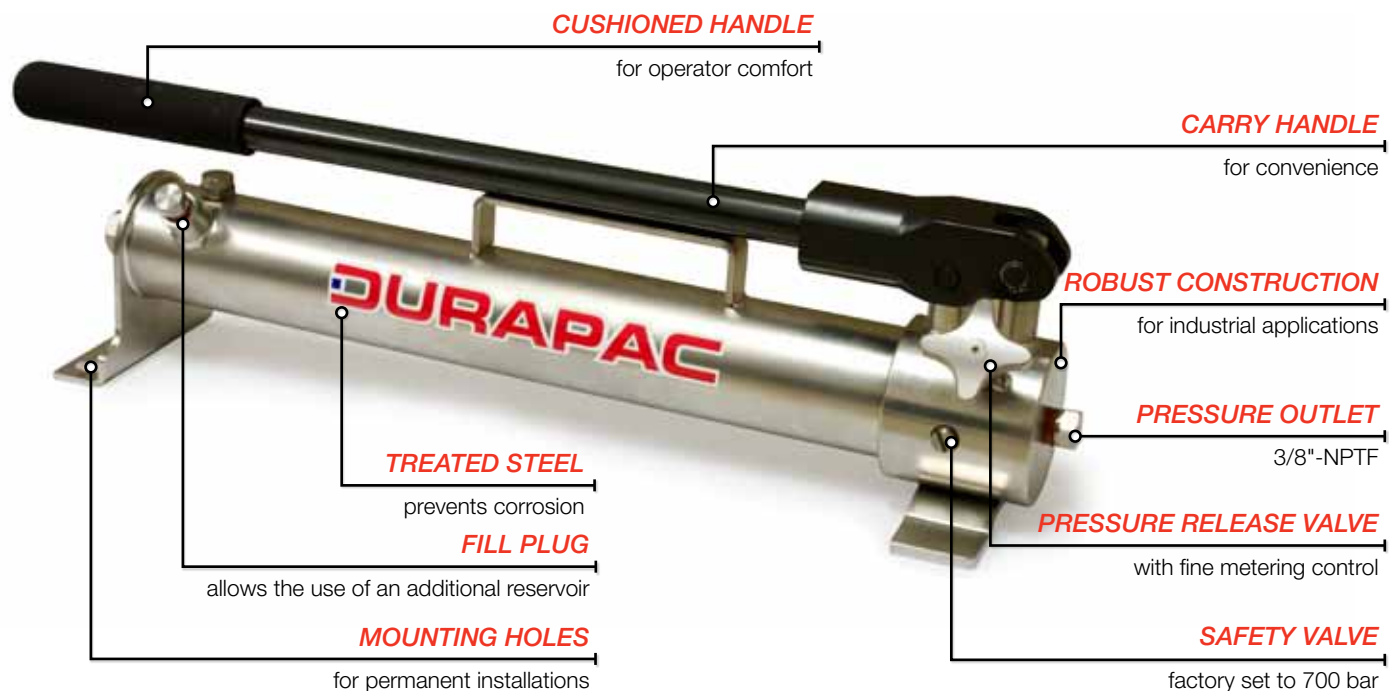
900 cc

AIR PRESSURE RANGE

5 - 7 bar

MAXIMUM OPERATING PRESSURE

300/700 bar



Model Number	Used with Cylinder	Pressure Rating (bar)	Usable Water Capacity (cc)	Water Volume per Stroke (cc)	Outlet Port Thread	Weight (kg)
PHS-1900	S/A	700	900	2.3	3/8"-NPTF	6.45