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HYDRAULIC PUMPS & POWER UNITS

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 are required regardless of weight distribution.



PEMS4054



PEM8414



PES1513



PESR5554

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 RANGE

0.84 - 11 kW

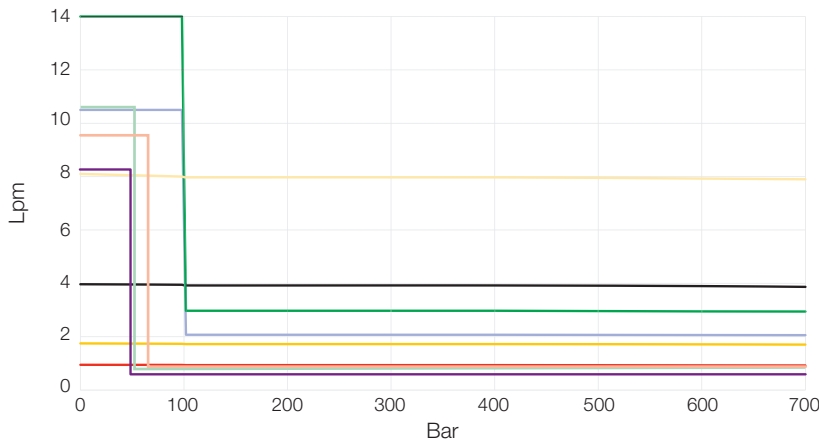
FLOW RANGE

0.65 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

PERFORMANCE TABLES



Two Speed @ 50 Hz

— 08-Series
— 11-Series
— 15-Series
— 30-Series
— 40-Series

Single Speed @ 50 Hz

— 15R-Series
— 30R-Series
— 55R-Series
— 110R-Series

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	250	300	400	500
Two Speed																		
08 Series	7 - 20	1st	10.50		120.0	86.0	60.0	53.0	41.0	22.0	16.0	13.0	8.0	6.0	4.0	3.0	3.0	2.3
		2nd	0.90		10.0	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
11 Series	9	1st	8.20		95.0	67.0	47.0	41.0	33.0	18.0	13.0	10.0	7.0	5.0	3.7	3.0	2.4	1.9
		2nd	0.65		11.3	7.9	5.5	4.7	3.8	2.0	1.5	1.3	0.8	0.6	0.4	0.3	0.2	0.2
15 Series	10 - 20	1st	9.50		109.0	78.0	55.0	48.0	38.0	21.0	15.0	12.0	8.0	6.0	4.3	3.5	2.8	2.2
		2nd	1.10		13.0	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	20 - 50	1st	10.50		121.0	86.0	61.0	53.0	42.0	23.0	17.0	13.0	8.8	6.6	4.8	3.8	3.1	2.4
		2nd	2.10		24.0	17.0	12.0	11.0	8.3	4.5	3.4	2.6	1.8	1.3	1.0	0.8	0.6	0.5
40 Series	20 - 50	1st	14.00		161.0	115.0	81.0	70.0	56.0	30.0	23.0	18.0	12.0	8.8	6.4	5.1	4.2	3.2
		2nd	3.00		35.0	25.0	17.0	15.0	12.0	6.5	4.9	3.8	2.5	1.9	1.4	1.1	0.9	0.7
Single Speed																		
15R Series	20	1st	0.95		11.0	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	20	1st	1.75	20.0	14.0	10.0	8.8	6.9	3.8	2.8	2.2	1.5	1.1	0.8	0.6	0.5	0.4	
55R Series	50	1st	3.97	46.0	33.0	23.0	20.0	16.0	8.6	6.5	5.0	3.3	2.5	1.8	1.5	1.2	0.9	
110R Series	100	1st	8.10	93.0	67.0	47.0	41.0	32.0	18.0	13.0	10.0	6.8	5.1	3.7	3.0	2.4	1.8	
4 Way Split Flow Series	-	-	-	Consult Durapac														

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HYDRAULIC PUMPS & POWER UNITS

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

The single phase 08 Series Power Unit has a universal motor and is ideal for field use with generators. Standard supply includes roll frame and 63 mm diameter pressure gauge. Castor wheels are supplied as standard for power units with 20 L oil tanks. 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. The models with "-NV" suffix include an integrated needle valve to lower the 'A' port pressure in a controlled manner. Making it suitable for prestressing and post-tensioning applications.



PEM8423



PEM8414-NV Needle Valve Block



Optional DURAJET for fast retraction of load return cylinders. Consult Durapac



Model No.	Flow Rate (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage [†] (1 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
08 SERIES														
PEM8413	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Manual	7	25	320 x 400 x 565
PEM8414	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	7	25	320 x 400 x 565
PEM8414-NV	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	7	25	320 x 400 x 565
PEM8423	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Manual	20	41	368 x 490 x 715
PEM8424	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	20	41	368 x 490 x 715
PEM8424-NV	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Manual	20	41	368 x 490 x 715
PES8413	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Solenoid	7	27	320 x 400 x 565
PES8414	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Solenoid	7	27	320 x 400 x 565
PES8423	10.5	0.9	50	700	S/A	0.84	230	50/60	10	MOTOR ON/OFF	3w/3p Solenoid	20	43	368 x 490 x 715
PES8424	10.5	0.9	50	700	D/A	0.84	230	50/60	10	MOTOR ON/OFF	4w/3p Solenoid	20	43	368 x 490 x 715

† Standard motor supplied is 230V, 10A, should 115V, 20A be required; add "-115V" to the end of the model number

THE **SINGLE PHASE 11 SERIES** POWER UNIT HAS AN INDUCTION MOTOR WHICH IS QUIET IN OPERATION (APPROX. 80 DBA @ FULL PRESSURE) AND IDEALLY SUITED TO INDOOR APPLICATIONS.

Power Units are available with Manual or Solenoid valves to control both single and double acting cylinders and tools.



PES1113



PEM1114

MOTOR SIZE RANGE

0.84 - 1.12 kW

FLOW RANGE

0.65 - 0.90 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

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To order the optional Roll Frame & Wheel Set: Add Item **"DPFABUND"** when ordering an 11 Series power unit



Model No.	Flow Rate @ 50 Hz (Lpm)		Max. Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage (1 Ph.)	Hz	Amps	Usable Oil Cap. (L)	Remote Pendant Function 4 M	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage										
11 SERIES												
PEM1113	8.2	0.65	700	S/A	1.12	220	50/60	8.3	9	MOTOR ON/OFF	37	310 x 550 x 500
PEM1114	8.2	0.65	700	D/A	1.12	220	50/60	8.3	9		37	310 x 550 x 500
PES1113	8.2	0.65	700	S/A	1.12	220	50/60	8.3	9	SOLENOID ADV/ HOLD/RETRACT	37	310 x 550 x 500
PES1114	8.2	0.65	700	D/A	1.12	220	50/60	8.3	9		38	310 x 550 x 500

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HYDRAULIC PUMPS & POWER UNITS



PES1513

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

Single phase 1.5 kW 230 Volt versions operate on a standard 10 amp power source and provide high flows in a portable package. Three phase 3 and 4 kW 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.



Australian designed and built



To order the optional Roll Frame & Wheel Set: Add Item **"DPFABUND"** when ordering a 15 Series power unit



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 @ 50 Hz (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage (1 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
15 SERIES														
PEM1513	9.5	1.1	65	700	S/A	1.5	230	50	8.3	MOTOR ON/OFF	3w/3p Manual	10	46	270 x 410 x 565
PEM1523	9.5	1.1	65	700	S/A	1.5	230	50	8.3		3w/3p Manual	20	53	320 x 450 x 605
PEM1514	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Manual	10	46	270 x 410 x 565
PEM1524	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Manual	20	53	320 x 450 x 605
PES1513*	9.5	1.1	65	700	S/A	1.5	230	50	8.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	10	59	270 x 410 x 565
PES1523*	9.5	1.1	65	700	S/A	1.5	230	50	8.3		3w/3p Solenoid	20	58	320 x 450 x 605
PES1514*	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Solenoid	10	51	270 x 410 x 565
PES1524*	9.5	1.1	65	700	D/A	1.5	230	50	8.3		4w/3p Solenoid	20	58	320 x 450 x 605

* To order the wireless remote version, add suffix **"-WR"** to the model number, eg. "PES1524-WR"



PES3054-WR with optional wireless remote



Australian designed and built



PEM4054



To order the optional Roll Frame & Wheel Set:
Add Item **"DPFABUND"** when ordering a power unit with a 20 L Oil Reservoir
Add Item **"DPFA60"** when ordering a power unit with a 50 L Oil Reservoir



MOTOR SIZE RANGE

1.5 - 4.0 kW

FLOW RANGE

1.1 - 3.0 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

Model No.	Flow Rate @ 50 Hz (Lpm)		Pressure Rating (bar)		Used with Cyl.	Motor (kW)	Voltage† (3 Ph.)	Hz	Amps	Remote Pendant Function 4 M	Valve Type (3/8"-NPTF Ports)	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
	1st Stage	2nd Stage	1st Stage	2nd Stage										
30 SERIES														
PEM3023	10.5	2.1	100	700	S/A	3	400	50	6.3	ON/OFF/JOG	3w/3p Manual	20	71	320 x 450 x 560
PEM3053	10.5	2.1	100	700	S/A	3	400	50	6.3		3w/3p Manual	50	78	530 x 855 x 640
PEM3024	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Manual	20	71	320 x 450 x 560
PEM3054	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Manual	50	100	530 x 855 x 640
PES3023*	10.5	2.1	100	700	S/A	3	400	50	6.3	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	20	77	320 x 450 x 560
PES3053*	10.5	2.1	100	700	S/A	3	400	50	6.3		3w/3p Solenoid	50	84	530 x 855 x 640
PES3024*	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Solenoid	20	77	320 x 450 x 560
PES3054*	10.5	2.1	100	700	D/A	3	400	50	6.3		4w/3p Solenoid	50	84	530 x 855 x 640
40 SERIES														
PEM4023	14.0	3.0	110	700	S/A	4	400	50	8.85	ON/OFF/JOG	3w/3p Manual	20	80	320 x 450 x 560
PEM4053	14.0	3.0	110	700	S/A	4	400	50	8.85		3w/3p Manual	50	87	530 x 855 x 640
PEM4024	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Manual	20	80	320 x 450 x 560
PEM4054	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Manual	50	87	530 x 855 x 640
PES4023*	14.0	3.0	110	700	S/A	4	400	50	8.85	SOLENOID ADV/HOLD/ RETRACT	3w/3p Solenoid	20	86	320 x 450 x 560
PES4053*	14.0	3.0	110	700	S/A	4	400	50	8.85		3w/3p Solenoid	50	93	530 x 855 x 640
PES4024*	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Solenoid	20	86	320 x 450 x 560
PES4054*	14.0	3.0	110	700	D/A	4	400	50	8.85		4w/3p Solenoid	50	93	530 x 855 x 640

* To order the wireless remote version, add suffix "-WR" to the model number, eg. "PES4053-WR"

† Also suitable for 440 - 480 Volt / 3 Ph. / 60 Hz power supply, to order add suffix "-440V" to the model number, eg. "PEM3024-440V"

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HYDRAULIC PUMPS & POWER UNITS



Australian designed
and built

PESR5554

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.



To order the optional Roll Frame & Wheel Set:
Add Item "**DPFABUND**" when ordering a power unit with a 20 L Oil Reservoir
Add Item "**DPFA60**" when ordering a power unit with a 50 L or 100 L Oil Reservoir



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 @ 50 Hz (Lpm)	Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage	Hz	Amps	Remote Pendant Function 4 M	Valve Type	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
15 SERIES												
PEMR1523	0.95	700	S/A	1.5	230 / 1 Ph.	50	8.3	MOTOR ON/OFF	3w/3p Manual	20	53	320 x 450 x 560
PEMR1524	0.95	700	D/A	1.5	230 / 1 Ph.	50	8.3		4w/3p Manual	20	53	320 x 450 x 560
PESR1523^	0.95	700	S/A	1.5	230 / 1 Ph.	50	8.3	SOLENOID ADV/	3w/3p Solenoid	20	59	320 x 450 x 560
PESR1524^	0.95	700	D/A	1.5	230 / 1 Ph.	50	8.3	HOLD/RETRACT	4w/3p Solenoid	20	59	320 x 450 x 560
30 SERIES												
PEMR3023	1.75	700	S/A	3.0	400 ⁺ / 3 Ph.	50	6.3	ON/OFF/JOE	3w/3p Manual	20	55	320 x 450 x 560
PEMR3024	1.75	700	D/A	3.0	400 ⁺ / 3 Ph.	50	6.3		4w/3p Manual	20	55	320 x 450 x 560
PESR3023^	1.75	700	S/A	3.0	400 ⁺ / 3 Ph.	50	6.3	SOLENOID ADV/	3w/3p Solenoid	20	61	320 x 450 x 560
PESR3024^	1.75	700	D/A	3.0	400 ⁺ / 3 Ph.	50	6.3	HOLD/RETRACT	4w/3p Solenoid	20	61	320 x 450 x 560
55 SERIES												
PEMR5553	3.97	700	S/A	5.5	400 ⁺ / 3 Ph.	50	11.3	ON/OFF/JOE	3w/3p Manual	50	99	530 x 855 x 750
PEMR5554	3.97	700	D/A	5.5	400 ⁺ / 3 Ph.	50	11.3		4w/3p Manual	50	99	530 x 855 x 750
PESR5553^	3.97	700	S/A	5.5	400 ⁺ / 3 Ph.	50	11.3	SOLENOID ADV/	3w/3p Solenoid	50	105	530 x 855 x 750
PESR5554^	3.97	700	D/A	5.5	400 ⁺ / 3 Ph.	50	11.3	HOLD/RETRACT	4w/3p Solenoid	50	105	530 x 855 x 750
110 SERIES												
PEMR11103	8.10	700	S/A	11	400 ⁺ / 3 Ph.	50	19.8	*	3w/3p Manual	100	*	*
PEMR11104	8.10	700	D/A	11	400 ⁺ / 3 Ph.	50	19.8	*	4w/3p Manual	100	*	*
PESR11103^	8.10	700	S/A	11	400 ⁺ / 3 Ph.	50	19.8	SOLENOID ADV/	3w/3p Solenoid	100	*	*
PESR11104^	8.10	700	D/A	11	400 ⁺ / 3 Ph.	50	19.8	HOLD/RETRACT	4w/3p Solenoid	100	*	*

[^] To order the **wireless remote version**, add suffix "**-WR**" to the model number, eg. "PESR11103-WR"

[†] Also suitable for 440 - 480 Volt / 3 Ph. / 60 Hz power supply, to order add suffix "**-440V**" to the model number, eg. "PEMR5553-440V"

* Consult Durapac

THE **SPLIT FLOW** POWER UNIT OFFER 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 offer other split combinations such as 2 way, 6 way and 8 way.



PEMS4054



MOTOR SIZE RANGE

1.5 - 11.0 kW

FLOW RANGE

0.23 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

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All models (excluding 300 L) include a roll frame and wheel set



Australian designed and built

Model No.	Flow Rate @ 50 Hz (Lpm)	Pressure Rating (bar)	Used with Cyl.	Motor (kW)	Voltage	Hz	Amps	Pendant Control	Valve Type	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
SPLIT FLOW SERIES												
PEMS1554	4 x 0.23	700	D/A	1.5	230 / 1 Ph.	50	8.30	ON/OFF/ JOG	4w/3p Manual	50	170	530 x 855 x 710
PEMS4054	4 x 0.73	700	D/A	4.0	400 [†] / 3 Ph.	50	8.85		4w/3p Manual	50	180	530 x 855 x 710
PEMS40104	4 x 0.73	700	D/A	4.0	400 [†] / 3 Ph.	50	8.85		4w/3p Manual	100	190	530 x 855 x 710
PEMS7554	4 x 1.14	700	D/A	7.5	400 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	50	210	530 x 855 x 900
PEMS75104	4 x 1.14	700	D/A	7.5	400 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	100	220	530 x 855 x 900
PEMS75304	4 x 1.14	700	D/A	7.5	400 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	300	270	1,120 x 1,210 x 820

[^] Fitted with a soft start motor starter

[†] Also suitable for 440 - 480 Volt / 3 Ph. / 60 Hz power supply, to order add suffix "-440V" to the model number, eg. "PEMS4054-440V"