

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

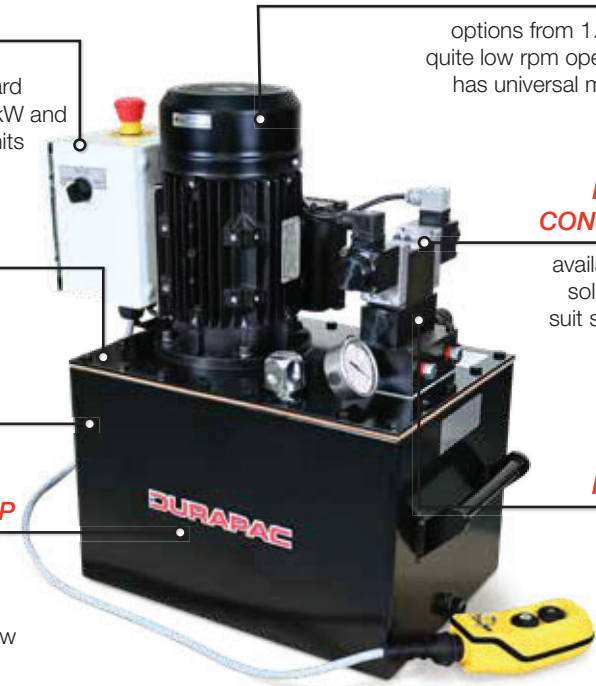
options from 1.5-11 kW provide quite low rpm operation. 08 Series has universal motor for field use

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

0.84 - 11 kW

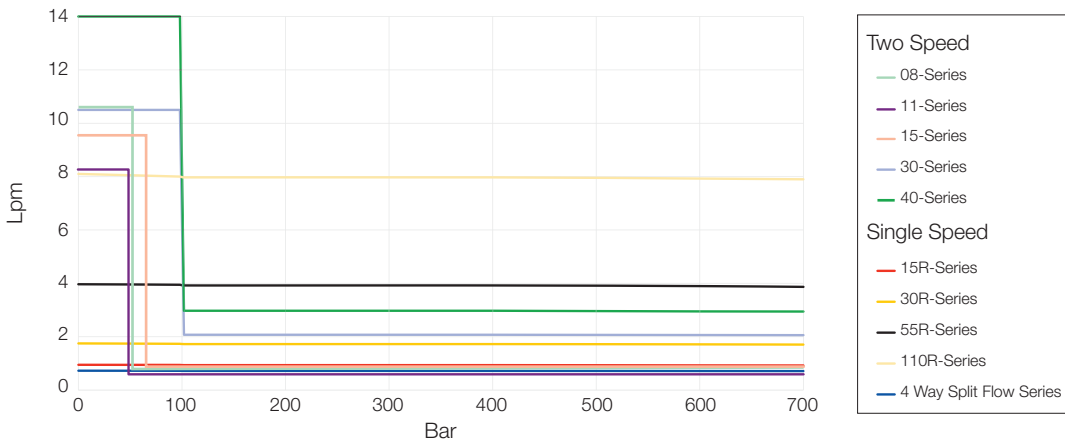
FLOW

0.65 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar

PERFORMANCE TABLES



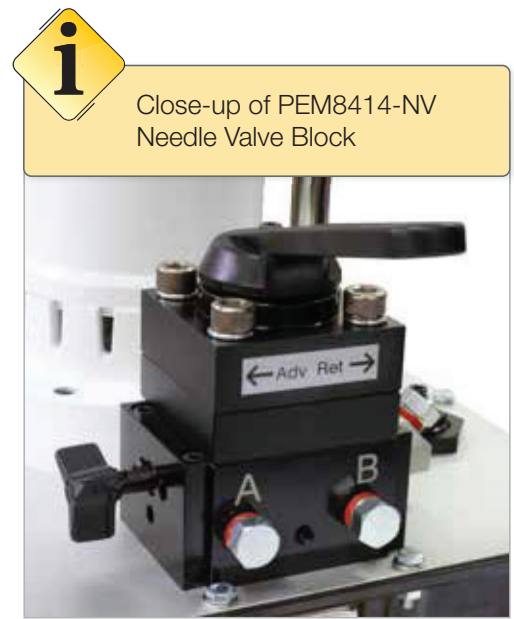
Model	Usable Oil (L)	Pressure Stage	Flow (Lpm)	Force (ton)														
				10	15	20	25	30	50	75	100	150	200	250	300	400	500	
Two Speed				Piston Rod speed (mm) per second														
08 Series	7 - 20	1st	10.50		120.0	86.0	60.0	53.0	41.0	22.0	16.0	13.0	8.0	6.0	4.0	3.0	3.0	2.3
		2nd	0.90		10.0	7.5	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	50	1st	4x0.73	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	

THE **DURAPAC AUTO TWO SPEED** POWER UNIT RANGE OFFERS 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. 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



i Close-up of PEM8414-NV Needle Valve Block

Model No.	Flow Rate (Lpm)		Pressure Rating (bar)		Motor (kW)	Voltage† (1 Ph.)	Hz	Amps	Remote Pendant Function 4 mtr	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	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	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	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	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	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	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	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	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	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	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.

D
PUMPS



MOTOR SIZE

0.84 - 1.12 kW

FLOW

0.65 - 0.90 Lpm@700 bar

MAXIMUM OPERATING PRESSURE

700 bar



PES1113



PEM1114

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

THE **DURAPAC AUTO TWO SPEED** POWER UNIT RANGE OFFERS 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.



PES1513



Australian designed and built

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 (1 Ph.)	Hz	Amps	Remote Pendant Function 4 mtr	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	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	1.5	230	50	8.3		3w/3p Manual	20	53	320 x 450 x 605
PEM1514	9.5	1.1	65	700	1.5	230	50	8.3		4w/3p Manual	10	46	270 x 410 x 565
PEM1524	9.5	1.1	65	700	1.5	230	50	8.3		4w/3p Manual	20	53	320 x 450 x 605
PES1513*	9.5	1.1	65	700	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	1.5	230	50	8.3		3w/3p Solenoid	20	58	320 x 450 x 605
PES1514*	9.5	1.1	65	700	1.5	230	50	8.3		4w/3p Solenoid	10	51	270 x 410 x 565
PES1524*	9.5	1.1	65	700	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"



Australian designed and built

PES3054-WR with optional wireless remote



PEM4054



MOTOR SIZE

1.5 - 4.0 kW

FLOW

1.1 - 3.0 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 auto two speed power unit with a 10L or 20L Oil Reservoir
Add Item "DPFA60" when ordering an auto two speed power unit with a 50L Oil Reservoir



Model No.	Flow Rate (Lpm)		Pressure Rating (bar)		Motor (kW)	Voltage† (3 Ph.)	Hz	Amps	Remote Pendant Function 4 mtr	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	3.0	415	50	6.3	ON/OFF/JOG	3w/3p Manual	20	71	320 x 450 x 560
PEM3053	10.5	2.1	100	700	3.0	415	50	6.3		3w/3p Manual	50	78	530 x 855 x 640
PEM3024	10.5	2.1	100	700	3.0	415	50	6.3		4w/3p Manual	20	71	320 x 450 x 560
PEM3054	10.5	2.1	100	700	3.0	415	50	6.3		4w/3p Manual	50	100	530 x 855 x 640
PES3023*	10.5	2.1	100	700	3.0	415	50	6.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	20	77	320 x 450 x 560
PES3053*	10.5	2.1	100	700	3.0	415	50	6.3		3w/3p Solenoid	50	84	530 x 855 x 640
PES3024*	10.5	2.1	100	700	3.0	415	50	6.3		4w/3p Solenoid	20	77	320 x 450 x 560
PES3054*	10.5	2.1	100	700	3.0	415	50	6.3		4w/3p Solenoid	50	84	530 x 855 x 640
40 SERIES													
PEM4023	14.0	3.0	110	700	4.0	415	50	8.85	ON/OFF/JOG	3w/3p Manual	20	80	320 x 450 x 560
PEM4053	14.0	3.0	110	700	4.0	415	50	8.85		3w/3p Manual	50	87	530 x 855 x 640
PEM4024	14.0	3.0	110	700	4.0	415	50	8.85		4w/3p Manual	20	80	320 x 450 x 560
PEM4054	14.0	3.0	110	700	4.0	415	50	8.85		4w/3p Manual	50	87	530 x 855 x 640
PES4023*	14.0	3.0	110	700	4.0	415	50	8.85	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	20	86	320 x 450 x 560
PES4053*	14.0	3.0	110	700	4.0	415	50	8.85		3w/3p Solenoid	50	93	530 x 855 x 640
PES4024*	14.0	3.0	110	700	4.0	415	50	8.85		4w/3p Solenoid	20	86	320 x 450 x 560
PES4054*	14.0	3.0	110	700	4.0	415	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"



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 single speed power unit with a 20L Oil Reservoir
Add Item **"DPFA60"** when ordering a single speed power unit with a 50L or 100L 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 (Lpm)	Pressure Rating (bar)	Motor (kW)	Voltage	Hz	Amps	Remote Pendant Function 4 mtr	Valve Type	Usable Oil Cap. (L)	Dry Weight (kg)	Dimensions W x L x H (mm)
15 SERIES											
PEMR1523	0.95	700	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	1.5	230 / 1 Ph.	50	8.3		4w/3p Manual	20	53	320 x 450 x 560
PESR1523^	0.95	700	1.5	230 / 1 Ph.	50	8.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	20	59	320 x 450 x 560
PESR1524^	0.95	700	1.5	230 / 1 Ph.	50	8.3		4w/3p Solenoid	20	59	320 x 450 x 560
30 SERIES											
PEMR3023	1.75	700	3.0	415 ^t / 3 Ph.	50	6.3	ON/OFF/JOG	3w/3p Manual	20	55	320 x 450 x 560
PEMR3024	1.75	700	3.0	415 ^t / 3 Ph.	50	6.3		4w/3p Manual	20	55	320 x 450 x 560
PESR3023^	1.75	700	3.0	415 ^t / 3 Ph.	50	6.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	20	61	320 x 450 x 560
PESR3024^	1.75	700	3.0	415 ^t / 3 Ph.	50	6.3		4w/3p Solenoid	20	61	320 x 450 x 560
55 SERIES											
PEMR5553	3.97	700	5.5	415 ^t / 3 Ph.	50	11.3	ON/OFF/JOG	3w/3p Manual	50	99	530 x 855 x 750
PEMR5554	3.97	700	5.5	415 ^t / 3 Ph.	50	11.3		4w/3p Manual	50	99	530 x 855 x 750
PESR5553^	3.97	700	5.5	415 ^t / 3 Ph.	50	11.3	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	50	105	530 x 855 x 750
PESR5554^	3.97	700	5.5	415 ^t / 3 Ph.	50	11.3		4w/3p Solenoid	50	105	530 x 855 x 750
110 SERIES											
PEMR11103	8.10	700	11	415 ^t / 3 Ph.	50	19.8	*	3w/3p Manual	100	*	*
PEMR11104	8.10	700	11	415 ^t / 3 Ph.	50	19.8	*	4w/3p Manual	100	*	*
PESR11103^	8.10	700	11	415 ^t / 3 Ph.	50	19.8	SOLENOID ADV/HOLD/RETRACT	3w/3p Solenoid	100	*	*
PESR11104^	8.10	700	11	415 ^t / 3 Ph.	50	19.8		4w/3p Solenoid	100	*	*

* Consult Durapac

^ 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. "PEM3024-440V"

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.



PEMS4054



D
PUMPS

MOTOR SIZE
1.5 - 11 kW

FLOW
0.23 - 8.10 Lpm@700 bar

MAXIMUM OPERATING PRESSURE
700 bar



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



Australian designed and built

Model No.	Flow Rate (Lpm)	Pressure Rating (bar)	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	1.5	230 / 1 Ph.	50	8.30	ON/OFF/ JOG	4w/3p Manual	50	170	530 x 855 x 710
PEMS4052	2 x 1.46	700	4.0	415 [†] / 3 Ph.	50	8.85		2w/2p Manual	50	180	530 x 855 x 710
PEMS4054	4 x 0.73	700	4.0	415 [†] / 3 Ph.	50	8.85		4w/3p Manual	50	180	530 x 855 x 710
PEMS401004	4 x 0.73	700	4.0	415 [†] / 3 Ph.	50	8.85		4w/3p Manual	100	190	530 x 855 x 710
PEMS753004	4 x 1.14	700	7.5	415 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	300	270	1,120 x 1,210 x 820
PEMS7554	4 x 1.14	700	7.5	415 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	50	210	530 x 855 x 900
PEMS751004	4 x 1.14	700	7.5	415 [†] / 3 Ph.	50	15.00 [^]		4w/3p Manual	100	220	530 x 855 x 900

[^] 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. "PEM3024-440V"