

SPES45054WPL-115V



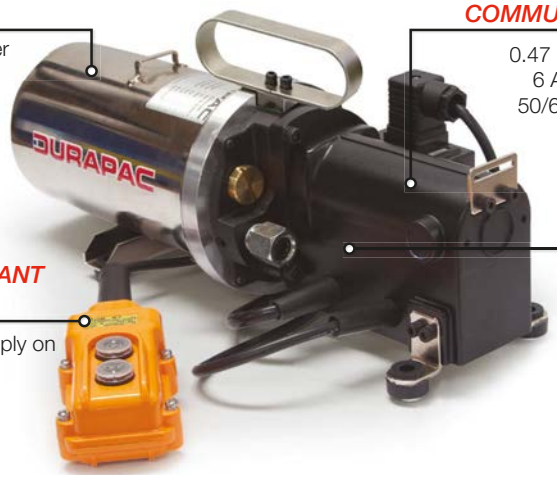
SPES3502AR-115V

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 (gal)	Pressure Stage	Flow (in^3)	Force (ton)									
Two Speed				Piston Rod speed inches per second	10	15	20	25	30	50	75	100	150	200
35 Series - Two Speed	0.4	1st	122.00		0.91	0.63	0.47	0.39	0.31	0.16	0.12	0.12	-	-
		2nd	12.20		0.08	0.06	0.05	0.04	0.03	0.02	0.01	0.01	-	-
45 Series - Two Speed	1.0*	1st	152.50		1.14	0.83	0.59	0.51	0.39	0.20	0.16	0.12	0.08	0.06
		2nd	21.35		0.16	0.12	0.08	0.08	0.06	0.03	0.02	0.02	0.01	0.01

* A 0.5 gal tank is also available – to order the smaller tank size; remove "**L**" from the end of the model number, eg. "SPES45054WP-115V"



STEEL OIL RESERVOIR
with internal bladder allows pump to be used at any angle

ELECTRIC COMMUTATOR MOTOR
0.47 hp 115 V 50/60 Hz
6 A or 0.35 kW 230 V
50/60 Hz 2.5 A (option)

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

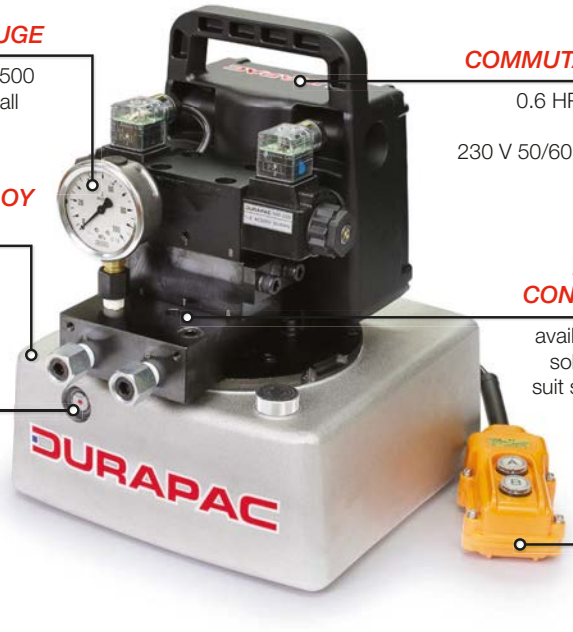
REMOTE PENDANT CONTROL
8 ft is standard supply on all 35-Series



MOTOR SIZE RANGE
0.47 - 0.60 hp

FLOW RANGE
12.20 - 21.35 in^3 @ 10,150 psi

MAXIMUM OPERATING PRESSURE
10,150 psi



PRESSURE GAUGE
2.48 in diam. 0-14,500 psi as standard on all 45-Series

ELECTRIC COMMUTATOR MOTOR
0.6 HP 115 V 50/60 Hz
11 A or 0.45 kW
230 V 50/60 Hz 4.5 A (option)

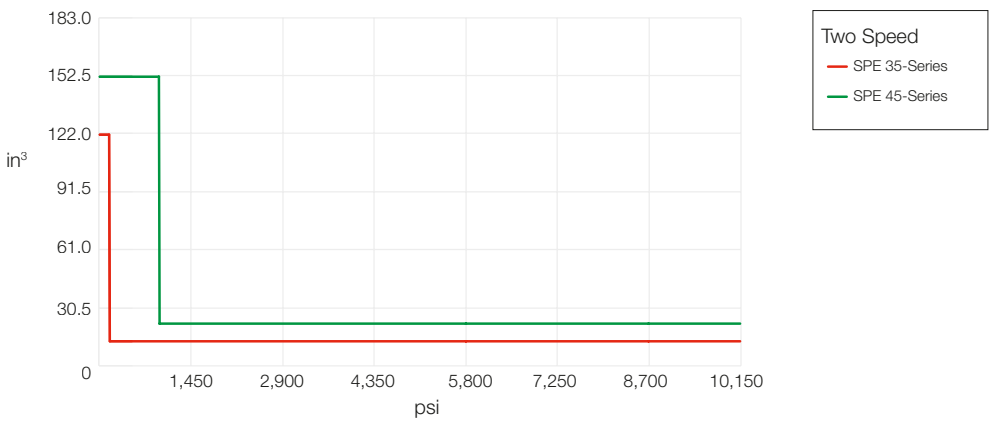
ONE PIECE ALLOY RESERVOIR
for lightweight durability

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

RESERVOIR SIGHT GAUGE
to monitor oil level

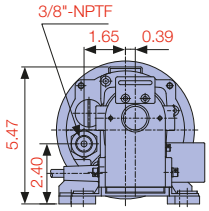
REMOTE PENDANT CONTROL
8 ft is standard supply on all 45-Series

PERFORMANCE TABLE



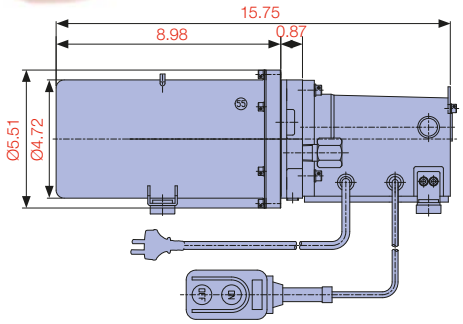
SPES3502NC-115V

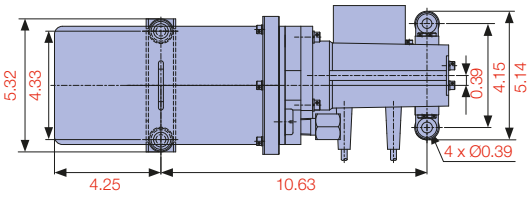




THE **SPE35-SERIES** POWER UNITS ARE CONFIGURED WITH A NUMBER OF VALVE AND PUMP FUNCTIONALITY OPTIONS TO ENSURE THAT THERE IS A SUITABLE POWER UNIT FOR EVERY APPLICATION.

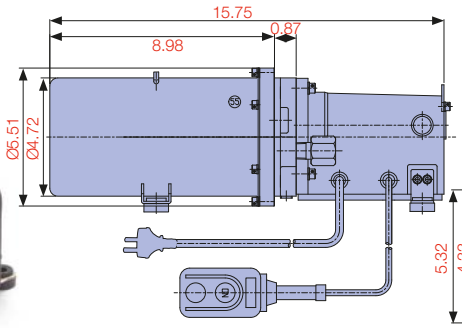
Cost effective, portable and powerful, these units are lightweight and have shoulder strap and handle for transport ease. Extremely simple to use. A pressure switch is an available option on the 35 Series.

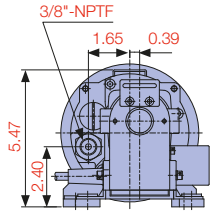


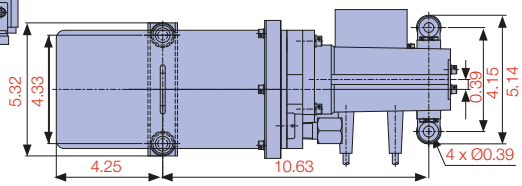


SPES3502NO-115V









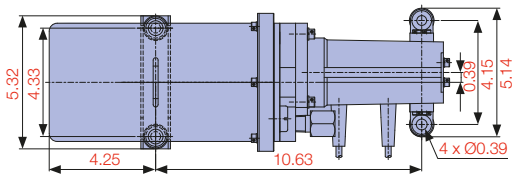
Model	Motor (hp)	Voltage† (1 Ph.)	Hz	Amps	Pressure Rating (psi)	Flow Rate (in³)		Control Switch	Usable Oil Capacity (gal)
						145 psi	10,150 psi		
SPE35 Series	0.47	230	50/60	2.5	10,150	122.0	12.2	Remote ON/OFF	0.4
		115	50/60	6.0					

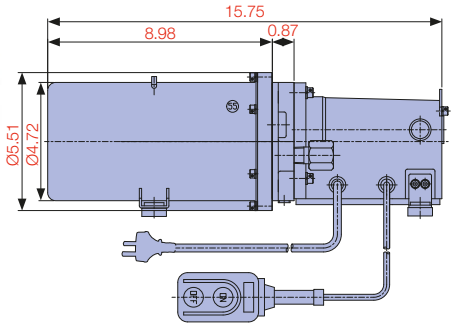
Model Number	Valve Type	Used with Cylinder	Cylinder/Pump Function	Weight (lbs)
SPES3502NC-115V	Solenoid Pressure Hold Type	S/A	"Advance" when ON switch is pressed and the motor starts, Release ON switch to "Hold" and stop the motor, "Retract" when OFF switch is pressed. Cylinder cannot be stopped on "Retract"	19.1
SPES3502NO-115V	Solenoid 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	19.1
SPES3502AR-115V	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	18.5
SPES3502IN-115V	Solenoid 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"	19.8
SPEM35024-115V	4w/3p Manual	D/A	When ON switch is pressed, motor will start. When ON switch is released, motor will stop. Advance, Hold, Retract via manual valve	21.3

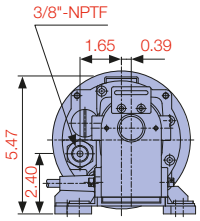
† Standard motor supplied is 230V, should 230V be required; remove prefix "**-115V**" from the model number, eg. "SPES3502NC"

SPES3502AR-115V











OIL CAPACITY

97.6 in³

FLOW

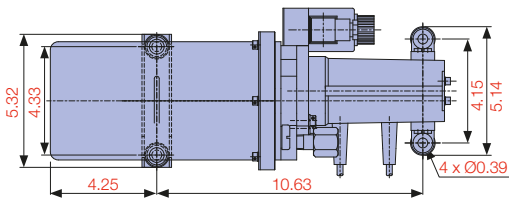
122.0 in³ @ 145 psi
12.2 in³ @ 10,150 psi

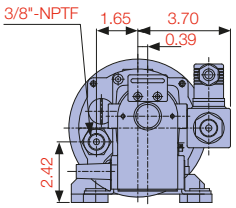
MAXIMUM OPERATING PRESSURE

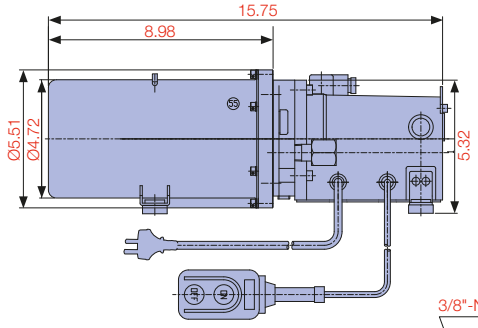
10,150 psi

SPES3502IN-115V



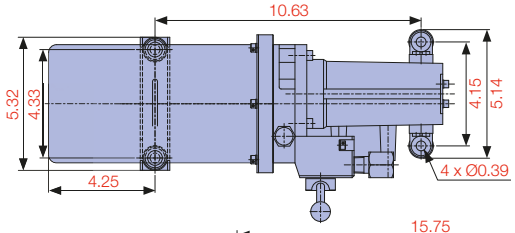


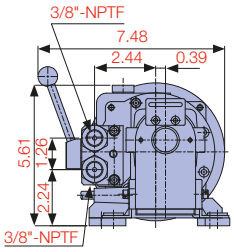


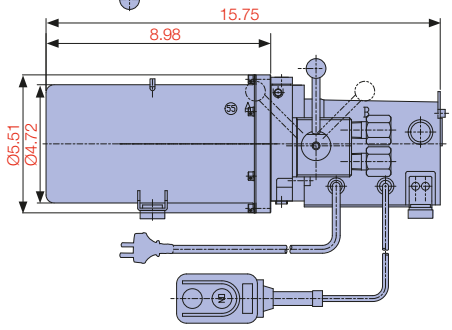


SPEM35024-115V











SPES4505NCL-115V

SPEM45054L-115V

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.

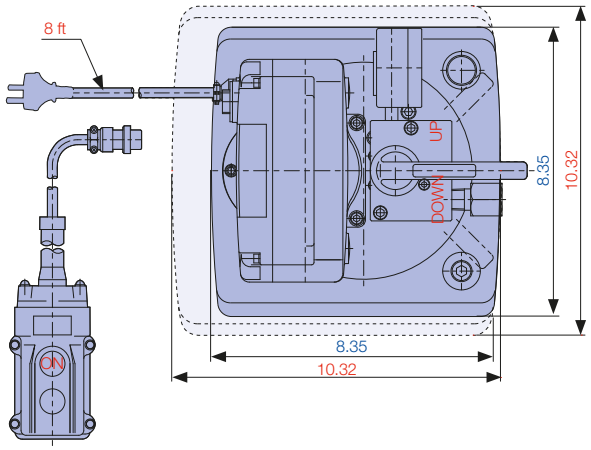
Cost effective, portable and powerful these units are lightweight and have a carry handle integrated into the shroud. Extremely simple to use. Pressure switch, adjustable pressure relief and pilot check valves are available options on the 45 Series.

Model	Motor (hp)	Voltage† (1 Ph.)	Hz	Amps	Pressure Rating (psi)	Flow Rate (in³)		Fitted with	Usable Oil Capacity (gal)	Optional Small Tank Usable Oil Capacity* (gal)
						1,015 psi	10,150 psi			
SPE45 Series	0.60	230	50/60	4.5	10,150	152.50	21.35	Pressure Gauge	1.0	0.5
		115	50/60	11.0						

Model Number	Valve Type	Used with Cylinder	Pump Function	Remote Pendant Function 8 ft	Weight (lbs)
SPEM4505ML-115V	Basic	S/A	P.T. manifold, without valve	MOTOR ON/OFF	39.2
SPEM45053L-115V	3w/2p Manual	S/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	43.1
SPES4505NCL-115V	3w/2p Solenoid	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	46.2
SPES4505NOL-115V	2w/2p Solenoid	S/A	"Advance" when ON switch is pressed and the motor starts, Auto "Retract" when ON switch is released	MOTOR ON/OFF	48.4
SPEM45054L-115V	4w/3p Manual	D/A	Advance, Hold, Retract via manual valve	MOTOR ON/OFF	43.1
SPES45054SPL-115V	4w/3p Solenoid	D/A	Advance/Hold/Retract with stacking type pilot-operated check valve fitted on "A" port line	Adv/Hold/Retract	48.4
SPES45054WPL-115V	4w/3p Solenoid	D/A	Advance/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	48.4

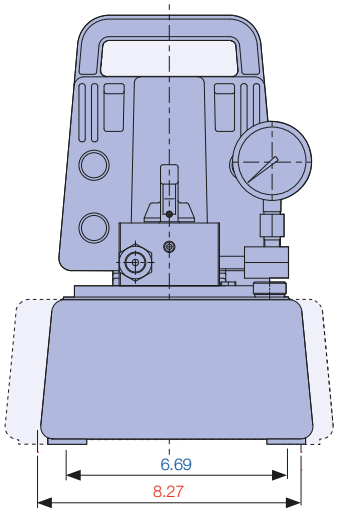
* To order the smaller tank size; remove "**L**" from the end of the model number, eg. "SPES45054WP-115V"

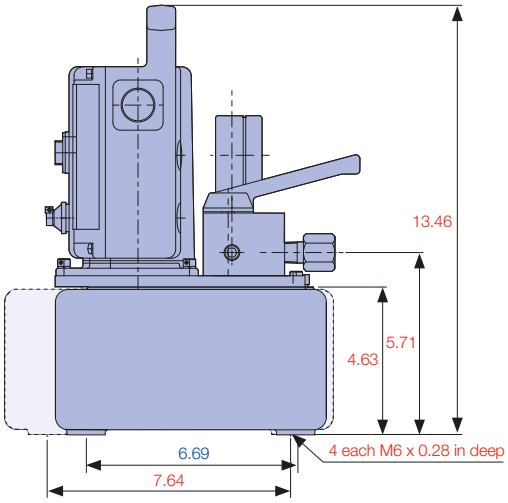
† Standard motor supplied is 230V, should 230V be required; remove suffix "**-115V**" from the model number, eg. "SPEM4505NOL"





MOTOR SIZE
0.60 hp
FLOW
21.35 in³ @ 10,150 psi
MAXIMUM OPERATING PRESSURE
10,150 psi





SPES45054WPL-115V **SPES4505NCL-115V** **SPEM45054L-115V**

SPEM4505ML-115V **SPES45054SPL-115V** **SPES4505NOL-115V** **SPEM45053L-115V**

