

# ▼ SOLENOID VALVES

410A

## E6S130-HP



R-410A valves with ODF solder connections are available from Sporlan in many different voltage and cycle ratings. Standard coils are listed in the specifications table at right.

Solenoid coils are available with either an integral junction box, a 1/2" conduit boss or DIN connector. Female DIN connector assemblies are also available.

**MOPD: 450 MRP: 700**

## Specifications

VALVE SERIES	CONNECTIONS Inches	PORT SIZE Inches	STANDARD COIL RATINGS		
			KIT	VOLTS/ CYCLES	WATTS
E5S130-HP	3/8 ODF	.150	MKC-1	24/50-60 120/50-60 208-240/50-60 120-208- 240/50-60	10
ME6S130-HP	3/8 ODF	3/16	MKC-1		
ME9S240-HP	1/2 ODF	9/32	MKC-2		15
ME14S250-HP	5/8 ODF	7/16			
ME19S270-HP	7/8 ODF	19/32			
ME25S290-HP	1-1/8 ODF	25/32	MKC-1	10	
ME35S190-HP	1-1/8 ODF	1			
ME35S1110-HP	1-3/8 ODF	1			

## Capacities For R-410A – Tons

VALVE SERIES	CAPACITIES – TONS OF REFRIGERATION															
	LIQUID					DISCHARGE GAS						SUCTION GAS				
	PRESSURE DROP ACROSS VALVE – psi*											1 psi – PRESSURE DROP and EVAPORATING TEMPERATURE				
	1	2	3	4	5	2	5	10	20	50	100	40°F	20°F	0°F	-20°F	-40°F
E5S130-HP	1.52	2.16	2.66	3.08	3.45	0.54	0.86	1.22	—	3.02	3.75	—	—	—	—	—
ME6S130-HP	2.73	3.84	4.68	5.35	6.02	1.0	1.57	2.2	3.50	5.1	6.14	0.50	0.40	0.32	0.24	0.18
ME9S240-HP	4.44	6.27	7.66	8.76	9.86	1.59	2.52	3.57	5.70	7.74	10.2	0.80	0.63	0.50	0.38	0.28
ME14S250-HP	8.64	12.2	14.9	17.1	19.2	3.13	4.93	6.96	11.1	16.2	20.9	1.56	1.24	0.98	0.75	0.56
ME19S270-HP	13.2	18.7	22.9	26.3	29.7	4.71	7.47	10.6	17.0	24.0	31.2	2.33	1.85	1.45	1.11	0.83
ME25S290-HP	22.5	31.9	39.2	49.9	50.6	7.92	12.5	17.7	25.0	38.3	49.9	3.95	3.14	2.46	1.89	1.41
ME35S190-HP	36.7	53.5	66.8	77.5	88.2	12.0	19.8	28.9	42.2	67.5	89.1	5.62	4.39	3.37	2.53	1.85
ME35S1110-HP	36.7	53.5	66.8	77.5	88.2	12.0	19.8	28.9	42.2	67.5	89.1	5.62	4.39	3.37	2.53	1.85

\* Do not use below 1 psi (0.07 bar) pressure drop.

E5S130-HP – contact Sporlan Division for suction gas capacities.

Liquid capacities based on 100°F (38°C) liquid temperature, 40°F (5°C) evaporator temperature. For other liquid line temperatures use liquid correction factors below. Maximum Operating Pressure Differential (MOPD) for the AC coil is 450 psid (31 bar). Maximum Rated Pressure (MRP) = 700 psig (48.3 bar).

Discharge capacities based on 100°F (38°C) condensing temperature, isentropic compression plus 50°F (28°C), 40°F (5°C) evaporator and 65°F (18.3°C) suction gas. For capacities at other conditions, consult Sporlan Division of Parker, Washington, MO.