

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

60 Hz Operation

**MEDIUM
TEMPERATURE**

**Blue Area Restrictions: 4.4°C Max.
Return Gas Temp.**

ZS33KAE-PFV

HFC-507

COPELAND SCROLL®

PFV 208/230-1-60

**Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)**

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2.6)	-20.0 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C				6,760	7,820	8,950	10,200	10,750
	P				5,930	6,060	6,080	5,980	5,910
	A				26.7	27.4	27.5	27.1	26.7
	M				329	387	453	529	564
	E %				1.3	1.5	1.7	2.0	2.1
55.0 (26.4)	C			5,860	7,020	8,250	9,590	11,100	11,800
	P			5,060	5,250	5,340	5,350	5,240	5,170
	A			22.7	23.6	24.1	24.2	23.6	23.3
	M			251	305	364	431	511	547
	E %			1.4	1.6	1.8	2.1	2.5	2.7
45.0 (21)	C		5,320	6,620	8,030	9,590	11,350	13,400	14,300
	P		3,930	4,090	4,200	4,250	4,230	4,140	4,080
	A		17.7	18.4	18.9	19.2	19.1	18.6	18.3
	M		190	239	293	354	427	513	552
	E %		1.6	1.9	2.2	2.6	3.1	3.8	4.1
40.0 (18.7)	C		5,780	7,150	8,680	10,400	12,400	14,700	15,700
	P		3,600	3,710	3,800	3,830	3,820	3,750	3,700
	A		16.3	16.7	17.1	17.3	17.3	16.8	16.5
	M		192	240	295	358	432	521	562
	E %		1.9	2.2	2.7	3.2	3.8	4.6	5.0
30.0 (14.6)	C		6,750	8,270	10,050	12,100	14,500	17,350	18,600
	P		3,030	3,090	3,150	3,180	3,190	3,170	3,150
	A		13.8	14.0	14.3	14.5	14.6	14.4	14.2
	M		199	246	301	367	446	541	584
	E %		2.6	3.1	3.7	4.4	5.3	6.4	6.9
25.0 (12.8)	C		7,160	8,760	10,650	12,850	15,500	18,550	
	P		2,780	2,820	2,860	2,910	2,940	2,960	
	A		12.6	12.8	13.0	13.3	13.5	13.5	
	M		201	247	303	370	451	548	
	E %		3.0	3.6	4.3	5.2	6.1	7.3	
20.0 (11.2)	C		7,460	9,130	11,150	13,550	16,350		
	P		2,510	2,540	2,590	2,650	2,720		
	A		11.4	11.5	11.8	12.2	12.5		
	M		199	245	301	370	452		
	E %		3.5	4.2	5.0	5.9	7.0		
15.0 (9.8)	C		7,600	9,340	11,450	14,000			
	P		2,220	2,250	2,310	2,390			
	A		9.9	10.1	10.5	11.0			
	M		194	239	296	365			
	E %		4.0	4.8	5.8	6.8			
5.0 (7.3)	C		7,190	9,070					
	P		1,505	1,545					
	A		6.3	6.6					
	M		168	214					
	E %		5.6	6.8					

C: Capacity (kcal/hr), P: Power (W), A: Current (Amps), M: Mass Flow (kg/hr), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 230 V