

BITZER ECOLINE COMPRESSORS

R134A (Motor Options 1 & 2) Semi Hermetic Compressors – cont'd

Capacities R134A

Airefrig Part Number	Comp & Motor Version	Refrigeration Capacity – <u>W</u> atts Consumption – <u>P</u> ower (Kw)										
		<u>W</u>	60.0	Condensing Temperature °C								<u>P</u>
				Evaporating Temperature °C								
				+15	+10	+5	0	-5	-10	-15	-20	
4FES-5Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	60.0	11910	9730	7850	6250	4890	3740	2790	2000	<u>P</u>
		<u>P</u>		3.83	3.55	3.25	2.93	2.60	2.26	1.92	1.60	
	Motor Type 1	<u>W</u>	70.0	9620	7820	6270	4950	3820	2860	2070	1410	<u>P</u>
		<u>P</u>		4.15	3.79	3.41	3.01	2.62	2.22	1.83	1.47	
		<u>W</u>	80.0	7340	5930	4720	3660	2760	2000	1360		<u>P</u>
		<u>P</u>		4.35	3.91	3.45	2.99	2.53	2.08	1.65		
4EES-4Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	40.0		17030	14000	11410	9190	7320	5730	4410	<u>P</u>
		<u>P</u>			3.52	3.36	3.16	2.93	2.67	2.40	2.12	
	Motor Type 2	<u>W</u>	50.0		14760	12110	9830	7890	6240	4850	3690	<u>P</u>
		<u>P</u>			4.18	3.90	3.59	3.26	2.91	2.56	2.22	
		<u>W</u>	60.0		12500	10230	8280	6610	5190	3980	2980	<u>P</u>
		<u>P</u>			4.75	4.35	3.93	3.51	3.08	2.67	2.27	
4EES-6Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	60.0	15130	12500	10230	8280	6610	5190	3980	2980	<u>P</u>
		<u>P</u>		5.02	4.67	4.30	3.90	3.50	3.09	2.69	2.31	
	Motor Type 1	<u>W</u>	70.0	12450	10270	8380	6750	5340	4150	3130	2280	<u>P</u>
		<u>P</u>		5.57	5.11	4.63	4.15	3.66	3.19	2.73	2.30	
		<u>W</u>	80.0	9760	8040	6540	5230	4100	3130	2300		<u>P</u>
		<u>P</u>		6.02	5.45	4.88	4.31	3.75	3.21	2.70		
4DES-5Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	40.0		20500	16690	13470	10750	8460	6550	4980	<u>P</u>
		<u>P</u>			4.16	3.96	3.71	3.42	3.11	2.77	2.43	
	Motor Type 2	<u>W</u>	50.0		17650	14360	11550	9180	7180	5510	4130	<u>P</u>
		<u>P</u>			4.88	4.54	4.17	3.77	3.35	2.93	2.51	
		<u>W</u>	60.0		14830	12030	9630	7600	5890	4450	3270	<u>P</u>
		<u>P</u>			5.47	5.00	4.50	4.00	3.49	2.99	2.51	
4DES-7Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	60.0	18090	14830	12030	9640	7610	5890	4460	3280	<u>P</u>
		<u>P</u>		5.79	5.38	4.94	4.47	3.98	3.49	3.01	2.54	
	Motor Type 1	<u>W</u>	70.0	14720	12040	9730	7740	6050	4610	3410	2420	<u>P</u>
		<u>P</u>		6.34	5.80	5.24	4.66	4.08	3.51	2.96	2.43	
		<u>W</u>	80.0	11350	9250	7420	5850	4490	3340	2370		<u>P</u>
		<u>P</u>		6.72	6.07	5.40	4.72	4.05	3.40	2.78		
4CES-6Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	40.0		25050	20450	16560	13260	10490	8170	6250	<u>P</u>
		<u>P</u>			5.05	4.82	4.54	4.20	3.83	3.44	3.04	
	Motor Type 2	<u>W</u>	50.0		21700	17690	14290	11400	8970	6950	5270	<u>P</u>
		<u>P</u>			5.94	5.55	5.12	4.65	4.16	3.67	3.19	
		<u>W</u>	60.0		18320	14920	12010	9540	7450	5710	4260	<u>P</u>
		<u>P</u>			6.69	6.14	5.57	4.98	4.38	3.80	3.24	
4CES-9Y - Service Valves - Crankcase Heater - Protection Module - Oil Sight Glass - POE Oil - DOL Start - Mount Kit - Integrated varicool opt. - Terminal Box IP65	Comp Series CE3	<u>W</u>	60.0	22300	18320	14920	12010	9540	7450	5710	4260	<u>P</u>
		<u>P</u>		7.20	6.69	6.14	5.57	4.98	4.38	3.80	3.24	
	Motor Type 1	<u>W</u>	70.0	18240	14980	12160	9750	7680	5930	4470	3250	<u>P</u>
		<u>P</u>		7.95	7.29	6.59	5.88	5.18	4.49	3.82	3.19	
		<u>W</u>	80.0	14170	11620	9390	7470	5820	4410	3220		<u>P</u>
		<u>P</u>		8.53	7.71	6.88	6.05	5.24	4.45	3.71		

Rating Conditions: 50Hz, 20 Deg Return Gas, no Sub-Cooling. Shaded areas require additional cooling &/or return vapour limitations.

Note: All 4 cylinder models supplied with one cylinder head prepared for capacity control (standard feature)