

HALLSCREW OPEN TYPE COMPRESSORS

J&E Hall
International

Now with an extended range of capacities

Compatible with R717 | R507A | R404a | R134a | R513A | R1234ze | R515B | R454C

Engineered for demanding applications

Whether operating in industrial refrigeration, cold storage, process cooling, or marine systems, HallScrew open type screw compressors deliver unmatched reliability and efficiency. Now featuring an extended range of capacities, HallScrew compressors are designed for use with R717 (ammonia), R507A, R404A, R134a, R1234ze and all HFC / HFO refrigerant blends, giving greater flexibility across applications.

7200 Series



8400 Series



Key benefits

Extended capacity range

- ▶ Now available in a broader selection of displacements to better match system demands
- ▶ Flexible performance from low to high cooling capacities

Robust and serviceable design

Ideal for environments requiring long service life and heavy-duty performance

Superior efficiency

High efficiency capacity control mechanism regulates the capacity with reduction in power input

Flexible integration

Designed for easy integration with existing systems, including retrofit and custom-built installations

Low noise and vibration

Smooth, quiet operation thanks to balanced design and advanced engineering

Multi-refrigerant compatibility

- ▶ **R717 (Ammonia)** Natural, zero-GWP refrigerant with superior thermodynamic properties
- ▶ **R507A/R404A** Reliable, high-capacity HFC blends for low- and medium temperature applications
- ▶ **R448A/R449A/R454C/R455A** HFO blend replacements for R404A / R507A
- ▶ **R134a** Widely used for medium-temperature refrigeration and air conditioning
- ▶ **R1234ze/R515B/R513A** HFO and HFO blend replacements for R134a

Applications



Food & beverage
processing



Chemical and
pharmaceutical plants



Cold storage &
logistics

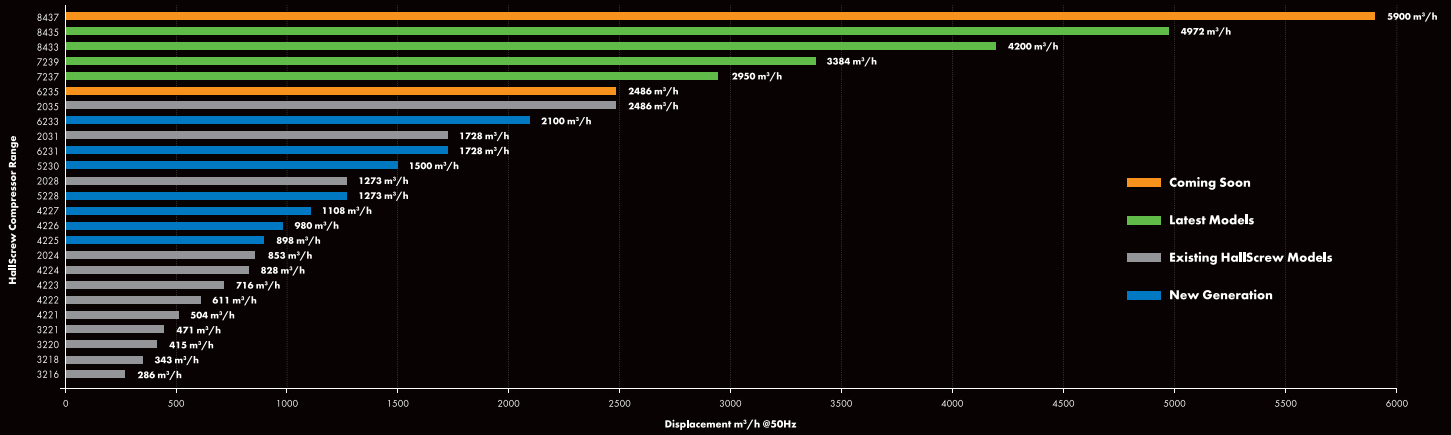


Ice rinks & sports
facilities



Marine
refrigeration

HallScrew Models in Range



	R717			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	2051	547	2443	658
HSO7239	2353	627	2802	755
HSO8433	2775	726	3330	871
HSO8435	3285	859	3942	1031

-10/35C, 5K superheat, 0K subcooling, non-economised

	R507A			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	2051	607	2441	727
HSO7239	2353	696	2800	834
HSO8433	2854	850	3425	1020
HSO8435	3379	1006	4054	1207

-10/35C, 5K superheat, 0K subcooling, non-economised

	R134a			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	1907	344	2304	429
HSO7239	2187	394	2643	493
HSO8433	2662	479	3194	575
HSO8435	3151	567	3781	681

+2/35C, 5K superheat, 0K subcooling, non-economised

	R717			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	972	447	1129	544
HSO7239	1115	513	1295	624
HSO8433	1262	595	1515	714
HSO8435	1494	705	1793	846

-30/35C, 5K superheat, 0K subcooling, open flash economiser

	R507A			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	1180	582	1433	708
HSO7239	1354	667	1644	812
HSO8433	1689	800	2027	960
HSO8435	1999	947	2399	1137

-30/35C, 5K superheat, 0K subcooling, open flash economiser

	R134a			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237	1336	402	1580	487
HSO7239	1533	461	1812	559
HSO8433	1811	543	2173	652
HSO8435	2144	643	2573	771

-10/40C, 5K superheat, 0K subcooling, economiser 5K TD

	R717			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237B	642	146	770	176
HSO7239B	736	173	884	208
HSO8433B	870	205	1045	245
HSO8435B	1031	242	1237	291

-40/-10C, 5K superheat, open flash economiser

	R507A			
	2980rpm		3575rpm	
	Ref. Capacity	Shaft Power	Ref. Capacity	Shaft Power
	kW	kW	kW	kW
HSO7237B	945	215	1134	257
HSO7239B	1084	246	1300	295
HSO8433B	1281	291	1537	349
HSO8435B	1516	344	1819	413

-40/-10C, 5K superheat, open flash economiser

Why choose HallScrew open type screw compressors?

- ▶ Extended capacity range for better system matching
- ▶ Field-proven reliability in the most challenging conditions
- ▶ Simple solution for pack-build
- ▶ Lower total cost of ownership through durability and ease of maintenance

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