

LOW BACK PRESSURE

Refrigerant	Emerson		LG India		Tecumseh India		Danfoss		Embraco		Kulthorn Kirby		Tecumseh Europe			
	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr	Model	Capacity Btu/Hr		
R-404A(LBP)	KCN414LAL	1,150	-	-	-	-	SC10CLX	1,342	NE2125GK	1,157	-	-	AED2383ZFZ (AEZ2411Z)	926		
	KCN418LAL	1,500	-	-	-	-	SC10CL	1,360	NEK1134GK	1,536	-	-	AED2411ZFZ (AEZ2415Z)	1,110		
	KCN422LAL	1,800	-	-	-	-	SC12CL	1,749	NEK2134GK	1,583	-	-	AED2413ZFZ (CAE2417Z)	1,363		
	KCN430LAL	2,575	-	-	-	-	-	SC12CLX.2	2,011	-	-	-	-	AEA2419ZXC (AEA2419Z)	1,995	
								SC15CL	2,363	T2168GK	2,567	WJ2430ZK	2,399	AED2415ZFZ (CAE2420Z)	2,112	
								SC10/10CL	2,720			AE2428ZK	2,388			
	KCJ430LAL	2,425	-	-	-	-	SC18CL	2,721	-	-	-	-	AED1415ZFZ (AE1420Z)	2,112		
	KCJ450LAL	4,100	-	-	-	-	-	SC15CL	2,363	NEK2168GK	2,413	-	-	WJ2430ZK	2,399	AED2415ZFZ (CAE2420Z)
SC15CLX.2								2,453	AE2428ZK					2,388	AED2415ZFZ (CAE2420Z)	2,112
KCM475LAL	5,700	-	-	-	-	-	-	-	-	-	-	-	WJ2450ZK	3,801	AJE2422ZFZ (CAJ2432Z)	2,367
													AW2450ZK	4,245	AJB2433ZXC (CAJ2446Z)	4,017
R-134a(LBP)	KCN372LAG	600	MA53LAJM	496	THK1352YCF	460	NL6.1FT	533	EMT60HLP	597	AE1360Y	539	AED1365YGZ (AEZ1365Y)	623		
			MA57LBJG	548	THK1358YCF	500	SC10G	573	NB1116Z	621	AE1370Y	635	AED1370YFZ (AEZ1370Y)	604		
			MA62LBEG	596	THK1365YCG	540	FR8.5G	585	NB2116Z	621	AE2360Y	539	THG1365YNS (THG1365YS)	570		
			MA69LAEG	683	THK1374YFS	600	NL7.3FT	633	NB3117Z	594	AZA1360Y	495	-	-		
			MA72LBEG	715	-	-	-	FR10G	642	NB1117Z	594	AE2370Y	631	-	-	
	KCN396LAG	800	MA69LAEG	683	TWB1390YGS	845	NL9FT	748	NE1121Z	860	AE2390Y	809	AE1390Y-FZ1A (AE1390Y)	730		
			MA72LBEG	715			FR11G	803	NE2121Z	860			AED1380YFZ (AEZ1380Y)	764		
			MA72LAEP	754			SC12G	845	NE3121Z	860			AED2380YFZ (AEZ2380Y)	764		
	KCN411LAG	960	MA88LAEP	933	TWB1390YGS	845	SC15G	885	-	-	-	-	-	-		
							NLE10MF	912	NE1130Z	1,099	AE2411Y-SR	972	AED1410YFZ (AE1410Y)	868		
							NL11F	933	NE3130Z	1,099	AE2410Y	921	AED2410YFZ (CAE2410Y)	868		
	KCJ412LAG	1,025	-	-	TWB1390YGS	845	NL10FT	968	NE2130Z	1,174	-	-	-	-		
							TPH2415YFS	1,240	SC12FT	1,094	NE3130Z	1,099	AE2413Y	1,126	AED1412YFZ (AE1412Y)	1,025
							-	-	SC15F	1,103	NE2130Z	1,174	-	-	AED2412YFZ (CAE2412Y)	1,025
	KCN415LAG	1,260	-	-	TPH2415YFS	1,240	SC15FT	1,313	-	-	AEA2415Y	1,262	AED2414YFZ (CAE2414Y)	1,137		
							SC18F	1,324	NE2134Z	1,215						
							SC18G	1,331	NE2130Z	1,174						
							SC18MFX	1,498	-	-						
KCJ423LAG	1,925	-	-	-	-	SC21FTX	1,939	NJ2152Z	2,054	-	-	-	-			

- References**
- LG India Product Catalogue (2010)
 - Tecumseh India Product Catalogue (Feb 2011)
 - Danfoss Selection Software (RS+3, V3.6)
 - Embraco Hermetic Compressors Catalogue (Oct. 2011)
 - Kulthorn Kirby (Homepage)
 - Tecumseh Europe (Homepage)

- Note**
- The compressor models in the chart are not drop-in replacement. But indicate nearest capacity models available.
 - All compressor models are rated at below mentioned rating conditions only

Rating Conditions

Ambient Temperature		Evaporating Temperature		Condensing Temperature		Subcooled Liquid		Suction Gas Temperature		Suction Pressure			Discharge Pressure		
°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	R134a	R22	R404A	R134a	R22	R404A
Psig															
HBP															
95	35	45	7.2	130	54.4	115	46.1	95	35	40	77	93.7	196	300	354
MBP															
95	35	20	-6.7	130	54.4	115	46.1	95	35	18	-	55.6	196	-	354
LBP															
90	32	-10	-23.3	130	54.4	90	32	90	32	1.9	-	24.6	196	-	354

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