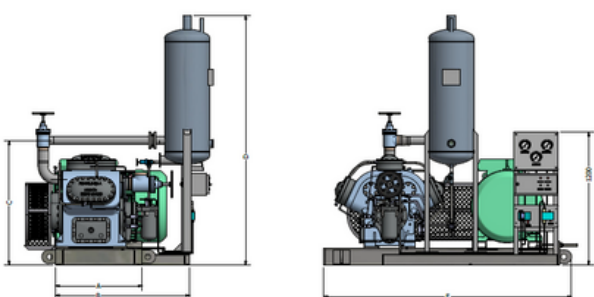


Performance Chart

HIGH STAGE

Refrigerant		R22				Ammonia - NH3				R-290 (Propane)				R-134a			
Model	Te (deg C)	Condensing Temperature				Condensing Temperature				Condensing Temperature				Condensing Temperature			
		35 deg C		40 deg C		35 deg C		40 deg C		35 deg C		40 deg C		35 deg C		40 deg C	
		Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW	Qo (kW)	Pe kW
452 XL	5	165.61	32.26	153.95	34.94	192.56	29.89	184.41	33.58	--	--	--	--	100.6	21.2	93.6	23
	0	136.56	31.36	127.43	33.59	156.7	28.78	151.16	33.22	115.4	29.5	106.6	31.6	79.5	20.2	74.6	21.7
	-5	113.52	29.86	104.25	31.74	126.06	28.87	121.17	31.74	95.7	28.3	87.6	30.1	61.9	19	57.7	20.1
	-10	93.17	27.95	84.62	29.4	99.11	27.14	94.4	29.34	78.1	26.8	71	28.1	47.1	17.6	44	18.2
	-15	74.62	25.8	67.74	26.85	76.43	24.98	71.83	26.54	62.6	24.9	57	26	35.5	15.9	32.7	16
	-20	58.25	23.39	52.74	24.03	58.39	22.58	-	-	49.6	22.8	44.7	23.6	27.1	13.9	23.9	13.6
454 XL	5	331.66	61.67	308.26	66.77	385.64	57.06	370.49	64.22	-	-	-	-	201.2	40.5	187.1	44.1
	0	273.85	59.94	255.38	64.23	313.99	56.91	302.9	63.47	231.1	56.4	213.1	60.5	159.3	38.7	148.8	41.5
	-5	227.63	57.14	208.72	60.63	252.84	55.24	242.95	60.69	191	54.2	175.5	57.4	123.4	36.4	115.7	38.5
	-10	186.33	53.41	169.6	56.21	198.8	51.9	189.01	56.05	155.8	51.2	142.4	53.8	94.3	33.6	87.9	34.8
	-15	149.24	49.29	135.84	51.3	153.23	47.72	143.66	50.72	125.2	47.7	113.6	49.6	71	30.3	65.4	30.6
	-20	116.86	44.67	105.48	45.88	116.86	43.12	-	-	98.8	43.6	89	45	53.8	26.6	47.8	25.9
456 XL	5	497.28	90.6	462.21	98.13	578.2	83.91	554	94.41	-	-	-	-	301.8	59.5	281	64.8
	0	410.41	88.14	382.81	94.44	470.69	83.67	454.1	93.31	46.4	83	319.7	88.9	238.8	56.9	223.3	61.1
	-5	341.15	84	312.97	89.14	378.9	81.24	364.14	89.22	286.6	79.6	263.1	84.4	185.3	53.5	173.4	56.5
	-10	279.5	78.49	254.22	82.65	297.9	76.3	283.45	82.38	233.9	75.2	213.5	79	141.4	49.4	131.9	51.2
	-15	223.86	72.48	203.58	75.39	229.66	70.17	215.49	74.55	187.8	70	170.6	72.9	106.6	44.7	97.8	45
	-20	175.1	65.65	158.22	69.43	175.25	63.35	-	-	148.4	64.1	133.6	66.2	80.9	39.1	72.1	38
458 XL	5	661.44	120.79	614.71	130.86	769.03	111.81	736.9	125.85	-	-	-	-	402.3	79.3	374.6	86.4
	0	546.11	117.46	507.71	125.9	626.16	111.54	604.03	124.41	461.8	110.7	426.6	118.6	318.6	75.8	297.5	81.4
	-5	453.95	111.99	416.14	118.82	504.23	108.28	484.49	118.98	381.9	106.2	350.6	112.6	247.2	71.4	231.4	75.4
	-10	371.58	104.67	338.18	110.2	396.5	101.73	376.98	109.86	311.6	100.3	284.5	105.4	188.2	65.9	175.9	68.2
	-15	297.76	96.64	270.95	100.59	305.73	93.51	286.62	99.4	250.4	93.4	227.2	97.2	141.7	59.6	130.5	60
	-20	232.99	87.53	210.24	89.93	232.99	84.5	-	-	197.7	85.5	178	88.3	108	52.2	96	50.8
4512 XL	5			866.90	176.20	1122.86	167.89	1086.78	184.66							581.69	141.40
	0	777.22	164.90	731.15	178.50	914.17	167.45	890.12	183.08	693.17	165.40	640.42	177.30	500.45	133.60	464.93	137.90
	-5	650.62	160.30	609.12	171.30	736.08	162.54	713.71	175.65	573.60	158.80	527.18	168.40	398.46	125.60	368.21	127.50
	-10	534.91	152.60	497.63	161.30	578.73	152.72	557.07	162.76	468.44	150.10	428.00	157.70	312.65	114.00	286.98	114.10
	-15	429.41	142.40	396.35	148.90	446.29	140.40	424.13	147.63	376.65	139.70	342.19	145.50	239.85	100.50	218.04	99.40
	-20	335.16	130.30	305.61	134.80	340.36	126.83	319.47	131.73	297.53	128.10	268.34	132.30	176.19	86.60	157.91	84.90



Dimensions and Weight

MODEL	A(m m)	B(m m)	C(m m)	D(m m)	E(m m)	F(m m)	WEIGHT
452 XL	785	1085	1123	1963	1870	1200	1800 Kg
454 XL	785	1085	1123	2127	1870	1200	2900 Kg
456 XL	785	1215	1124	2254	2235	1200	3600 Kg
458 XL	785	1215	1173	2053	2235	1200	4000 Kg
4512 XL	1500	1828	1200	1425	2100	1200	4200 Kg