

VARIABLE-SPEED COMPRESSORS

R290 and R600a Compressors Models

Refrig	Model	Application	HP	Disp. [cc]	Evap. Range [°C]	Test Condition (Rated Point)	Rotation [RPM]	CAP* [W]	Max COP* [W/W]
R290	VENT403U	L/MBP	1/3	3,1	-40°C to 0°	ASHRAE LBP	1200 - 4500	61 - 220	1,82
	VENT404U	L/MBP	1/3+	4,3	-40°C to 0°	ASHRAE LBP	1200 - 4500	108 - 354	1,82
	VENT406U	L/MBP	2/1	6,4	-40°C to 0°	ASHRAE LBP	1600 - 4500	155 - 445	1,72
	VEHT409U	L/MBP	1/2+	9,0	-40°C to 0°	ASHRAE LBP	1600 - 4500	238 - 668	1,84
	VEHU413U	L/MBP	1	12,7	-40°C to 0°	ASHRAE LBP	1600 - 4500	343 - 939	1,71
	FMFT406U	L/MBP	2/1	6,4	-40°C to 0°	ASHRAE LBP	1400 - 4500	146 - 518	1,90
	FMFT408U	L/MBP	1/2+	8,0	-40°C to 0°	ASHRAE LBP	1800 - 4500	259 - 644	1,91
	FMFT411U	L/MBP	4/3	11,0	-40°C to 0°	ASHRAE LBP	1800 - 4500	349 - 867	1,92
	FMFD413UE	L/MBP	1	11,0	-40°C to 0°	ASHRAE LBP	1600 - 5000	331 - 958	1,98
	FMFT213U	LBP	1+	13,0	-40°C to 0°	ASHRAE LBP	1800 - 4500	413 - 963	1,87
	FMFT413U	L/MBP	1+	13,0	-40°C to 0°	ASHRAE LBP	1800 - 4500	404 - 1000	1,84
	FMFT415U	L/MBP	1 1/4	14,8	-40°C to 0°	ASHRAE LBP	1600 - 5000	469 - 1276	1,84
	VNEX219U	LBP	1 1/2	18,7	-40°C to -10°	ASHRAE LBP	2200 - 5000	610 - 1376	1,78
	VNEX221U**	LBP	1 3/4	21,0	-40°C to 0°	ASHRAE LBP	2200 - 5000	799 - 1668	1,8
	VNEX419U	LMBP	1 1/2	18,7	-40°C to 0°	ASHRAE LBP	2200 - 5000	610 - 1376	1,74
	VNEX421U	LMBP	1 1/2	21	-40°C to 0°	ASHRAE LBP	2200 - 5000	799 - 1668	1,75
	VNEX619U**	MBP	1 1/2	18,7	-20° to 0°	EN12900 MBP	2200 - 5000	900 - 2250	2,4
VNEX621U	MBP	1	21,0	-20° to 0°	EN12900 MBP	2200 - 5000	1257 - 2593	2,37	
R600a	FMS_4C	L/MBP	1/16	2,8	-35° to 0°	ASHRAE LBP	1800 - 6300	43 - 86	1,5-1,75
	FMX_4C	L/MBP	1/16	4,0	-35° to 0°	ASHRAE LBP	1300 - 4000	21 - 71	1,5-1,75
	VESH4C	L/MBP	1/16	4,25	-35° to 0°	ASHRAE LBP	950-4500	17-98	1,83
	FMS_7C	L/MBP	1/9	5,2	-35° to 0°	ASHRAE LBP	1800 - 6300	52 - 170	1,6-1,9**
	FMX_6C	L/MBP	1/10	6,2	-35° to 0°	ASHRAE LBP	1300 - 4000	39 - 121	1,6-1,9**
	VES_7C	L/MBP	1/7	7,23	-35° to 0°	ASHRAE LBP	950-4500	38-172	1,9-2,2**
	FMS_9C	L/MBP	1/7	6,5	-35° to 0°	ASHRAE LBP	1800 - 6300	69 - 215	1,6-1,9**
	FMX_9C	L/MBP	1/6	8,7	-35° to 0°	ASHRAE LBP	1300 - 4000	62 - 187	1,7-1,9
	VES_9C	L/MBP	1/6	9,04	-35° to 0°	ASHRAE LBP	950-4500	69-217	1,9-2,2**
	FMS_11C	L/MBP	1/5	7,9	-35° to 0°	ASHRAE LBP	1800 - 6300	82 - 264	1,6-1,9**
	FMX_11C	L/MBP	1/5	10,85	-35° to -5°	ASHRAE LBP	1300-4800	86-269	1,75-1,85
	VES_11C	LBP	1/5	11,1	-35° to -10°	ASHRAE LBP	1200 - 4500	86 - 276	1,9-2,2**
	VES_13C	LBP	1/4	13,3	-35° to -10°	ASHRAE LBP	1300 - 4500	103 - 300	1,91

* Test Conditions:
ASHRAE LBP (Rated point): T. evap: -23.3°C / T. cond: 54.4°C
EN12900 MBP (Rated point): T. evap: -10°C / T. cond: 45°C

Macro numbers - Specific data/details shall be requested

** Product still under development. Preliminary performance demonstrated