

Hermetic compressors, Cubigel Compressors, LBP , L55BV, 1/6hp, r12

Category: compressor

written by www.mbsm.pro | 20 December 2021

R12				-35	-30	-25	-23,3	-20	-15	-10	R12							
CU01-L35AU	L35AU	1/12	S 3,66	44	62	83	92	109	138	170	C	270	8,6	RSIR	P		•	
CU01-L45AV	L45AV	1/8	S 4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R			•
CU01-L45AW	L45AW	1/8	S 4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R	•		•
CU01-L55AT	L55AT	1/6	S 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R	•		•
CU01-L55AV	L55AV	1/6	S 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R			•
CU01-L55BV	L55BV	1/6	OC 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R			•
CU01-L55BW	L55BW	1/6	OC 5,47	49	73	101	112	134	171	212	C	300	8,4	RSIR	R	•		•
CU01-L76AT	L76AT	1/5	S 7,57	58	88	125	139	168	217	272	C	530	10,0	RSIR	R	•		•
CU01-L76AV	L76AV	1/5	S 7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R			•
CU01-L76BV	L76BV	1/5	OC 7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R			•
CU01-L6BW	L76BW	1/5	OC 7,57	58	88	125	139	168	217	272	C	470	9,5	RSIR	R	•		•
CU01-L88AV	L88AV	1/4	S 8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R			•
CU01-L88BV	L88BV	1/4	OC 8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R			•
CU01-L88BW	L88BW	1/4	OC 8,85	69	106	150	166	200	255	317	C	530	10,0	RSIR	R	•		•

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R12				-35	-30	-25	-23,3	-20	-15	-10	R12							
CU01-L35AU	L35AU	1/12	S 3,66	44	62	83	92	109	138	170	C	270	8,6	RSIR	P		•	
CU01-L45AV	L45AV	1/8	S 4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R			•
CU01-L45AW	L45AW	1/8	S 4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R	•		•
CU01-L55AT	L55AT	1/6	S 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R	•		•
CU01-L55AV	L55AV	1/6	S 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R			•
CU01-L55BV	L55BV	1/6	OC 5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R			•
CU01-L55BW	L55BW	1/6	OC 5,47	49	73	101	112	134	171	212	C	300	8,4	RSIR	R	•		•
CU01-L76AT	L76AT	1/5	S 7,57	58	88	125	139	168	217	272	C	530	10,0	RSIR	R	•		•
CU01-L76AV	L76AV	1/5	S 7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R			•
CU01-L76BV	L76BV	1/5	OC 7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R			•
CU01-L6BW	L76BW	1/5	OC 7,57	58	88	125	139	168	217	272	C	470	9,5	RSIR	R	•		•
CU01-L88AV	L88AV	1/4	S 8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R			•
CU01-L88BV	L88BV	1/4	OC 8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R			•
CU01-L88BW	L88BW	1/4	OC 8,85	69	106	150	166	200	255	317	C	530	10,0	RSIR	R	•		•

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R12

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE	CECOMAF	ASHRAE	CECOMAF	ASHRAE	CECOMAF
					-23.3°C kcal/h	-25°C W	-23.3°C W/W	-25°C W/W	-23.3°C W/W	-25°C W/W ₀
<input type="checkbox"/> L45AV	LBP::R12	1/8	43	B	221	192	0.91	0.71		
<input type="checkbox"/> L55AV	LBP::R12	1/6	43	B	115	101	0.99	0.78		
<input type="checkbox"/> L55BV	LBP::R12	1/6	43	B	115	101	0.99	0.78		
<input type="checkbox"/> L76AV	LBP::R12	1/5	43	B	145	127	1.05	0.84		
<input type="checkbox"/> L76BV	LBP::R12	1/5	43	B	145	127	1.05	0.84		
<input type="checkbox"/> L88AV	LBP::R12	1/4	43	B	171	150	1.02	0.81		
<input type="checkbox"/> L88BV	LBP::R12	1/4	43	B	171	150	1.02	0.81		
<input type="checkbox"/> LT45AV	LBP::R12	1/8	50	B	94	83	1.04	0.83		
<input type="checkbox"/> LT55AV	LBP::R12	1/6	50	B	115	102	1.06	0.85		
<input type="checkbox"/> LT55BV	LBP::R12	1/6	50	B	115	102	1.06	0.85		
<input type="checkbox"/> LT76BV	LBP::R12	1/5	50	B	155	137	1.14	0.91		
<input type="checkbox"/> LT88BV	LBP::R12	1/4	50	B	190	169	1.16	0.93		
<input type="checkbox"/> P12BW	LBP::R12	1/3	43	A	221	192	0.91	0.71		

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np	cm ³	cm ³	Kg
LBP			

R12				-35	-30	-25	-23,3	-20	-15	-10	R12									
CU01-L35AU	L35AU	1/12	S	3,66	44	62	83	92	109	138	170	C	270	8,6	RSIR	P				
CU01-L45AV	L45AV	1/8	S	4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R				
CU01-L45AW	L45AW	1/8	S	4,50	39	56	79	87	105	136	171	C	300	8,4	RSIR	R				
CU01-L55AT	L55AT	1/6	S	5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R				
CU01-L55AV	L55AV	1/6	S	5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R				
CU01-L55BV	L55BV	1/6	OC	5,47	49	73	101	112	134	171	212	C	470	9,5	RSIR	R				
CU01-L55BW	L55BW	1/6	OC	5,47	49	73	101	112	134	171	212	C	300	8,4	RSIR	R				
CU01-L76AT	L76AT	1/5	S	7,57	58	88	125	139	168	217	272	C	530	10,0	RSIR	R				
CU01-L76AV	L76AV	1/5	S	7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R				
CU01-L76BV	L76BV	1/5	OC	7,57	58	88	125	139	168	217	272	C	530	10,5	RSIR	R				
CU01-L6BW	L76BW	1/5	OC	7,57	58	88	125	139	168	217	272	C	470	9,5	RSIR	R				
CU01-L88AV	L88AV	1/4	S	8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R				
CU01-L88BV	L88BV	1/4	OC	8,85	69	106	150	166	200	255	317	C	530	11,0	RSIR	R				
CU01-L88BW	L88BW	1/4	OC	8,85	69	106	150	166	200	255	317	C	530	10,0	RSIR	R				
CU01-L88EW	L88EW	1/4	OC	8,85	69	106	150	166	200	255	317	C-V	530	10,0	CSIR	R				
CU01-L88FW	L88FW	1/4	F	8,85	69	106	150	166	200	255	317	C-V	530	10,0	CSIR	R				
CU01-P12BW	P12BW	1/3	OC	12,0	79	131	192	215	261	338	422	C	530	11,5	RSIR	R				
CU01-P12FW	P12FW	1/3	F	12,0	79	131	192	215	261	338	422	C-V	530	11,5	CSIR	R				

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Type: Hermetic piston compressors Producer: ACC Series: HMBP

Model: L55BV

General data

Refrigerant: R12

Discharge element: C

Cooling: OC

Maximum ambient temperature [°C]: 43

Compressor's data

Cylinder capacity [cm³]: 5,5



Displacement [m³/h]: 0,9
Weight [kg]: 9,5
Oil charge [cm³]: 470
Oil type: ISO VG 46 MINERAL

Engine's data

Engine type: RSIR
Power [KM]: 1/6
Starting element: LST
Power supply: 200V 50Hz
Voltage range: 180-242
Locked rotor current [A]: 10,9
Running winding resistance (25°C) [Ω]: 10,81
Starting winding resistance (25°C) [Ω]: 34,36

Electrical data

Relays: 9660 B 118, MTRP 33
Shielding element: MRP63AMK, T0069
Starting capacitor volume [μF]:

Connections

	milimeters	inches
Suction/service tube:	6,5	
Service/suction tube:	6,5	
Discharge tube:	4,9	
Oil cooler tube:		4,9

REFRIGERATION APPLICATION CHART (R12 AND R22)

Category: Technologie, Tester ok
written by www.mbsm.pro | 20 December 2021

REFRIGERATION APPLICATION CHART (R-12 AND R-22)*

H.P.	REF.	NOTE	NORMAL EVAPORTING TEMPERATURE DEGREES F							
			-10 to +5		+5 to +20		+20 to +35		+35 to +50	
1/20	R12	S-F	16 Ft.	TC-26	10 Ft.	TC-26				
1/12	R12	S-F	12 Ft.	TC-26	12 Ft.	TC-31				
1/9	R12	S	12 Ft.	TC-26	12 Ft.	TC-31				
1/9	R12	S	10 Ft.	TC-26	10 Ft.	TC-31				
1/8	R12	S-F	10 Ft.	TC-26	10 Ft.	TC-31				
1/6	R12	S	12 Ft.	TC-31	12 Ft.	TC-36	8 Ft.	TC-36	10 Ft.	TC-42
1/6	R12	F	10 Ft.	TC-31	10 Ft.	TC-36				
1/5	R12	S	10 Ft.	TC-31	10 Ft.	TC-36	7-1/2 Ft.	TC-42	7-1/2 Ft.	TC-49
1/5	R12	F	8 Ft.	TC-31	8 Ft.	TC-36	10 Ft.	TC-42	6 Ft.	TC-42
1/4	R22	S-F	12 Ft.	TC-36	6 Ft.	TC-36	8-1/2 Ft.	TC-42	6 Ft.	TC-49
1/4	R12	F	10 Ft.	TC-36	6 Ft.	TC-36	8 Ft.	TC-42	6 Ft.	TC-49
1/3	R22	F	10 Ft.	TC-36	6 Ft.	TC-36	11 Ft.	TC-49		
1/3	R12	F	12 Ft.	TC-42	6 Ft.	TC-42	9 Ft.	TC-49	6 Ft.	TC-54
1/2	R22	F	6 Ft.	TC-36	9 Ft.	TC-42	7-1/2 Ft.	TC-54	10 Ft.	TC-64
1/2	R12	F	11 Ft.	TC-54	9 Ft.	TC-49				
3/4	R22	F	11 Ft.	TC-54	9 Ft.	TC-54				
3/4	R12	F	7-1/2 Ft.	TC-54	12 Ft.	TC-70	1 Ft.	TC-80		
1	R22	F	10 Ft.	TC-64	12 Ft.	TC-70				
1	R12	F	10 Ft.	TC-70	11 Ft.	TC-54	7-1/2 Ft.	TC-54 (2 pcs)		
1-1/2	R22	F	7-1/2 Ft.	TC-54 (2 pcs)	7-1/2 Ft.	TC-54 (2 pcs)	8 Ft.	TC-64 (2 pcs)		
1-1/2	R12	F			9 Ft.	TC-64 (2 pcs)	10 Ft.	TC-80 (2 pcs)		
2	R22	F			10 Ft.	TC-70 (2 pcs)	9 Ft.	TC-75 (2 pcs)		
2	R12	F	10 Ft.	TC-70 (2 pcs)	9 Ft.	TC-75 (2 pcs)	10 Ft.	TC-85 (2 pcs)		
3	R22	F			10 Ft.	TC-70 (3 pcs)	9 Ft.	TC-75 (3 pcs)		
3	R12	F	10 Ft.	TC-70 (2 pcs)	8 Ft.	TC-64 (4 pcs)	10 Ft.	TC-80 (4 pcs)		
4	R22	F			10 Ft.	TC-70 (4 pcs)	9 Ft.	TC-75 (4 pcs)		
4	R12	F			10 Ft.	TC-70 (5 pcs)	9 Ft.	TC-75 (5 pcs)		
5	R12	F			10 Ft.	TC-80 (5 pcs)	9 Ft.	TC-85 (5 pcs)		

NOTE: Condenser Type: S = Static, F = FAN

*R-134a - It is suggested to add 10% to length.

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REFRIGERATION APPLICATION CHART (R12 AND R22)

REFRIGERATION APPLICATION CHART (R-12 AND R-22)*

H.P.	REF.	NOTE	NORMAL EVAPORTING TEMPERATURE DEGREES F							
			-10 to +5		+5 to +20		+20 to +35		+35 to +50	
1/20	R12	S-F	16 Ft.	TC-26	10 Ft.	TC-26				
1/12	R12	S-F	12 Ft.	TC-26	12 Ft.	TC-31				
1/9	R12	S	12 Ft.	TC-26	12 Ft.	TC-31				
1/9	R12	S	10 Ft.	TC-26	10 Ft.	TC-31				
1/8	R12	S-F	10 Ft.	TC-26	10 Ft.	TC-31				
1/6	R12	S	12 Ft.	TC-31	12 Ft.	TC-36	8 Ft.	TC-36	10 Ft.	TC-42
1/6	R12	F	10 Ft.	TC-31	10 Ft.	TC-36				
1/5	R12	S	10 Ft.	TC-31	10 Ft.	TC-36	7-1/2 Ft.	TC-42	7-1/2 Ft.	TC-49
1/5	R12	F	8 Ft.	TC-31	8 Ft.	TC-36	10 Ft.	TC-42	6 Ft.	TC-42
1/4	R22	S-F	12 Ft.	TC-36	6 Ft.	TC-36	8-1/2 Ft.	TC-42	6 Ft.	TC-49
1/4	R12	F	10 Ft.	TC-36	6 Ft.	TC-36	8 Ft.	TC-42	6 Ft.	TC-49
1/3	R22	F	10 Ft.	TC-36	6 Ft.	TC-36	11 Ft.	TC-49		
1/3	R12	F	12 Ft.	TC-42	6 Ft.	TC-42	9 Ft.	TC-49	6 Ft.	TC-54
1/2	R22	F	6 Ft.	TC-36	9 Ft.	TC-42	7-1/2 Ft.	TC-54	10 Ft.	TC-64
1/2	R12	F	11 Ft.	TC-54	9 Ft.	TC-49				
3/4	R22	F	11 Ft.	TC-54	9 Ft.	TC-54				
3/4	R12	F	7-1/2 Ft.	TC-54	12 Ft.	TC-70	1 Ft.	TC-80		
1	R22	F	10 Ft.	TC-64	12 Ft.	TC-70				
1	R12	F	10 Ft.	TC-70	11 Ft.	TC-54	7-1/2 Ft.	TC-54 (2 pcs)		
1-1/2	R22	F	7-1/2 Ft.	TC-54 (2 pcs)	7-1/2 Ft.	TC-54 (2 pcs)	8 Ft.	TC-64 (2 pcs)		
1-1/2	R12	F			9 Ft.	TC-64 (2 pcs)	10 Ft.	TC-80 (2 pcs)		
2	R22	F			10 Ft.	TC-70 (2 pcs)	9 Ft.	TC-75 (2 pcs)		
2	R12	F	10 Ft.	TC-70 (2 pcs)	9 Ft.	TC-75 (2 pcs)	10 Ft.	TC-85 (2 pcs)		
3	R22	F			10 Ft.	TC-70 (3 pcs)	9 Ft.	TC-75 (3 pcs)		
3	R12	F	10 Ft.	TC-70 (2 pcs)	8 Ft.	TC-64 (4 pcs)	10 Ft.	TC-80 (4 pcs)		
4	R22	F			10 Ft.	TC-70 (4 pcs)	9 Ft.	TC-75 (4 pcs)		
4	R12	F			10 Ft.	TC-70 (5 pcs)	9 Ft.	TC-75 (5 pcs)		
5	R12	F			10 Ft.	TC-80 (5 pcs)	9 Ft.	TC-85 (5 pcs)		

NOTE: Condenser Type: S = Static, F = FAN

*R-134a – It is suggested to add 10% to length.