Mbsm.pro, Compressor, Eateron, E100HL, R-134, 23.3C, 280W, HUAYI, LBP

Category: compressor
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HUAYI R134a COMPRESSOR LBP MODELS

Model	Power supply (V/Hz)	Displacement (cm^3)	Cooling Capacity(W)	COP (W/W)	Motor Type

L22HL	220~240/50	2.2	47	0.80	RSIR
	220~240/60	2.2	55	0.95	RSIR
L22H5	110~120/60	2.2	55	0.80	RSIR
L22H5L	110~120/60	2.2	55	0.90	RSIR
L22H7L	127/60	2.2	55	0.90	RSIR
L25H	220~240/50	2.6	55	0.85	RSIR
	220~240/60		61	0.90	
L25H5	110~120/60	2.6	61	0.90	RSIR
L25H5L	110~120/60	2.6	61	0.90	RSIR
L30H	220~240/50	3.1	67	0.90	RSIR
L30HL	220~240/50	3.1	67	0.90	RSIR
	220~240/60		75	1.00	RSIR
L30H5L	110~120/60	3.1	75	1.00	RSIR
L30H5	110~120/60	3.1	75	1.00	RSIR
B22H	220~240/50	2.2	47	0.72	RSIR
	220~240/60		54	0.80	RSIR
B22HL	220~240/50	2.2	47	0.85	RSIR
	220~240/60		54	1.00	RSIR
B22H5	110~120/60	2.2	54	0.80	RSIR
B22H5L	110~120/60	2.2	54	0.90	RSIR
B25H	220~240/50	2.6	55	0.85	RSIR
	220~240/60		63	0.94	RSIR
B25H0	100~50/60	2.6	63	0.90	RSIR
B25H5	110~115/60	2.6	63	0.88	RSIR
			63	1.10	RSCR
			63	1.25	RSCR
B25H5B	110~115/60	2.6	63	1.00	RSIR
			63	1.10	RSCR
			63	1.25	RSCR
B25H5L	110~120/60	2.6	63	0.95	RSIR
			63	1.10	RSIR
			63	1.20	RSCR
B25H7	127/60	2.6	63	0.90	RSIR
B30H	220~240/50	3.1	70	0.88	RSIR
	220~240/60		80	0.98	RSIR
B30H0	100~50/60	3.1	80	0.90	RSIR
B30H5	110~115/60	3.1	80	0.98	RSIR
			80	1.15	RSCR
			80	1.25	RSCR
B30H7	127/60	3.1	80	1.05	RSIR
B35H	220~240/50	3.5	79	0.90	RSIR
	220~240/60		90	0.95	RSIR
B38H	220~240/50	3.8	86	0.95	RSIR
	220~240/60		97	1.10	RSIR
B38H5	110~115/60	3.8	97	1.10	RSIR
	110~115/60		97	1.30	RSCR

B38H7	127/60	3.8	97	1.10	RSIR
B43H	220~240/50	4.3	97	0.95	RSIR
	220~240/60		110	1.10	RSIR
B43HB	220~240/50	4.3	97	1.25	RSCR
	220~240/60		110	1.40	RSCR
B43H5	110~115/60	4.3	110	1.10	RSIR
B43H5L	110~120/60	4.3	110	1.10	RSIR
B48H	220~240/50	4.8	110	1.05	RSIR
K38HL	220~240/50	3.8	95	1.10	RSIR
K43HL	220~240/50	4.3	110	1.10	RSIR
K48HL	220~240/50	4.8	120	1.15	RSIR
K52HL	220~240/50	5.2	145	1.25	RSIR
F52HL	220~240/50	5.2	145	1.25	RSIR
F60HL	220~240/50	6.0	165	1.25	RSIR
F70HL	220~240/50	6.9	190	1.25	RSIR
F80HL	220~240/50	7.9	220	1.35	RSIR
F85HL	220~240/50	8.4	235	1.20	RSIR
E80HL	220~240/50	8.1	220	1.35	RSIR
E95HL	220~240/50	9.3	265	1.20	RSIR
E100HL	220~240/50	9.8	280	1.20	RSIR
E110HL	220~240/50	11.3	300	1.20	CSIR
E130HL	220~240/50	13.1	360	1.25	CSIR
X130HL	220~240/50	13.1	360	1.25	CSIR
X150H	220~240/50	15.3	410	1.25	CSIR
X150HL	220~240/50	15.3	410	1.25	CSIR
X165HL	220~240/50	16.4	450	1.25	CSIR

Test conditions	According to ASHRAE
Evaporating temperature	-23.3□
Condensing temperature	54.4□
Subcooling temperature	32.2□
Suction temperature	32.2□
Ambient temperature	32.2□

Working condition limit□R134a

Max ambient temperature	43[□]
Working voltage range	$0.85\times U_e$~$1.06\times U_e$ [V]
Max discharge pressure	1.79[Mpa] (gauge pressure)
Max allowable housing temperature	95[□]
Max discharge temperature	130[□]
Max pressure housing endured	3.5 [Mpa] (gauge pressure)

R134a-LBP COMPRESSORS – E SERIES

Model	Power supply (V/Hz)	Displacement (cm³)	Cooling Capacity(W)	C.O.P (W/W)	Motor Type	Certification
E Series						
E80HL	220240/50	8.1	225	1.35	RSIR	
E85HL	220240/50	8.7	240	1.25	RSIR	
*E95HL	220240/50	9.3	265	1.20	RSIR	
E100HL	220240/50	9.8	280	1.20	RSIR	

*** TOLERANCE: Capacity: ≥95%, Input Power: ≤115%, Current: ≤110%, C.O.P≥93%;**
HBP-Evaporator Temperature: -5~15
*** COOLING TYPE: ST=Static Cooling, FC=Fan Cooling, OC=Oil Cooling**

Test Conditions	LBP	MHBP	Conversion Table
	ASHRAE CECOMAF	ASHRAE CECOMAF	1 Kcal/h×1.163=W
Evaporator Temp.	-23.3	7.2	2 Kcal/h×3.968=Btu/h
Ambience Temp.	32.2	35.0	3 W×3.412=Btu/h
Condenser Temp.	54.4	54.4	4 W×0.864= Kcal/h
Suction Temp.	32.2	35.0	5 EER=COP×3.412
Subcooling Temp.	32.2	46.1	6 Capacity(at 50Hz)×1.16=Capacity(at 60Hz)