

# Mbsm.pro, compressor, HUAYI, S90CL, 1/5 hp, r600a, lbp, 155 w, 9 cm3

Category: compressor

written by Lilianne | 17 February 2024



## R600a-LBP COMPRESSORS – S SERIES

Model	Power supply (V/Hz)	Displacement $\square$ cm $^3$	CoolingCapacity(W)	C.O.P(W/W)	Motor Type	Certification
<b>S Series</b>						
S70CL	220~240/50	6.9	115	1.20	RSIR	
S75CL	220~240/50	7.4	125	1.25	RSIR	CCC CB VDE
S80CL	220~240/50	7.9	135	1.30	RSIR	
S85CL	220~240/50	8.4	145	1.35	RSIR	
S90CL	220~240/50	9.0	155	1.35	RSIR	CCC CB VDE

\* TOLERANCE: Capacity:  $\geq 95\%$ , Input Power:  $\leq 115\%$ , Current:  $\leq 110\%$ , C.O.P $\geq 93\%$ ;  
HBP-Evaporator Temperature:  $-5^{\circ}\text{C}\sim 15^{\circ}\text{C}$

\* COOLING TYPE: ST=Static Cooling, FC=Fan Cooling, OC=Oil Cooling

Note: This datasheet describes certain operational parameters and

conditions for operation of this product. If this product is operated outside of the parameters and conditions stated herein, buyer assumes sole and full responsibility.

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

### 1.2 R600a—LBP

型号 Model	电源 Power supply (V/Hz)	汽缸容积 Displacement (cm <sup>3</sup> )	制冷量 Cooling Capacity(W)	COP (W/W)	电机类型 Motor Type	认证 Certification
S Series						
S70CL	220~240/50	6.9	115	1.20	RSIR	
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S85CL	220~240/50	8.4	145	1.35	RSIR	
S90CL	220~240/50	9.0	155	1.35	RSIR	CCC CB VDE
F Series						
F60CL	220~240/50	6.0	100	1.60	RCSR	
F70CL	220~240/50	7.0	115	1.20	RSIR	
F80CL	220~240/50	7.9	135	1.25	RSIR	
F85CL	220~240/50	8.5	145	1.25	RSIR	
	220~240/50	8.5	145	1.60	RSCR	
*F90CL	220~240/50	9.0	155	1.35	RSIR	
E Series						
E100CL	220~240/50	9.8	180	1.35	RSIR	
E110CL	220~240/50	11.3	195	1.35	RSIR	
E130CL	220~240/50	13.2	225	1.35	RSIR	
X Series						
X110CL	220~240/50	11.3	195	1.35	RSIR	
X130CL	220~240/50	13.2	225	1.35	RSIR	
*X140CL	220~240/50	13.8	235	1.35	RSIR	
*X150CL	220~240/50	15.3	265	1.35	RSIR	

“\*” 标识表示待开发产品

测试工况 Test conditions	按ASHRAE 标准According to ASHRAE
蒸发温度Evaporating temperature	-23.3℃



**使用工况范围及极限 Working condition limit: R134a**

最大环境温度Max ambient temperature	43[°C]
蒸发温度范围Evaporation temperature range	-35~-15[°C]
工作电压范围Working voltage range	187~242[V]
最大排气压力Max discharge pressure	1.79[Mpa] 表压 gauge pressure
最大允许壳温Max allowable housing temperature	95[°C]
最大排气温度Max discharge temperature	130[°C]
机壳最大承受压力max pressure housing endured	3.5 [Mpa] 表压 gauge pressure
低电压启动性能 Low voltage start	0.4/0.4Mpa(表压 gauge pressure)187V

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F80CL	220~240/50	7.9	135	1.25	RSIR	
F85CL	220~240/50	8.5	145	1.25	RSIR	
	220~240/50	8.5	145	1.40	RSIR	
	220~240/50	8.5	145	1.60	RSCR	
*F90CL	220~240/50	9.0	155	1.35	RSIR	
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E100CL	220~240/50	9.8	180	1.35	RSIR	
E110CL	220~240/50	11.3	195	1.35	RSIR	
E130CL	220~240/50	13.2	225	1.35	RSIR	
X Series						
X110CL	220~240/50	11.3	195	1.35	RSIR	
X130CL	220~240/50	13.2	225	1.35	RSIR	



S90CLTélécharger