

APPLICATION

Refrigerant	R600a
Application	LBP
Expansion Device	Capillary
Cooling Type	Static
Evaporation temp. range	-35°C to -10°C

Max. Ambient temp.	43 °C
Max. Steady discharge temp.	120 °C
Max. Peak discharge temp.	135 °C
Max. Steady condensing temp.	60 °C
Max. Peak condensing temp.	70 °C
Max. Winding temp.	130 °C

BASIC PARAMETER

Compressor Model	HPZ100A
Displacement	5.7 cc
Net Weight	8.0 kg
Oil Type	WF5A
Oil Charge	135 cc
Oil Viscosity @40°C	5 cSt

Power Supply	220~240 V
Voltage Range	187~264 V
Frequency	50 Hz
Motor type	RSCR
Electrical insulation class	B

ELECTRICAL DATA

Enamelled Wires Material	Cu
Main Wind. Resistance @20°C	35.1 Ω
Start Wind. Resistance @20°C	27.5 Ω
Locked Rotor Current @220V	4.8 A
Locked Rotor Current after 4s	1.6 A

Connecting board GDI,GD-3

Run Capacitor Type Plastic or metallic case
Capacitance 2 uf

PERFORMANCE DATA

Cooling Capacity	Input Power	COP	Current
W	W	W/W	A
98	51	1.91	0.23

Evaporating temp. -23.3 °C
Condensing temp. +55 °C
Subcooling temp. +32 °C
Suction temp. +32 °C
Ambient temp. +32 °C

Starting test with capacitor	Motor Temp./Equalized Press.	
	90°C/3Bar A	43°C/3.5Bar A
Min. Starting Voltage	181	178

Acoustic test	A-weight SWL	Vibration
	dBA	m/s ²
-20°C/+50°C	37	0.35

COMPRESSOR OUTLINE

