

Condensing Unit

Technical Data Sheet

Model CGS34TB_N
Voltage 220-240V 50Hz ~1
Refrigerant R134a

APPLICATION

Application High-Medium Back Pressure
 Refrigerant R134a
 Evaporating temp. -25°C to 10°C
 Expansion Capillar / Valve
 Comp. Cooling Fan cooled
 Max. ambient temp. 43,00°C

COMPRESSOR

Displacement 34,42 cm³
 Diameter 42,86 mm
 Stroke 23,85 mm
 Oil type ISO VG 46 ESTER
 Oil charge 880 cm³

MOTOR

Approximate Power 1 hp
 Voltage/Frequency 220-240V 50Hz
 Voltage range 198-255 V
 Type CSR
 Phase number 1 PH
 Locked rotor current 32,00 A

NOMINAL PERFORMANCE

ASHRAE

Cooling Capacity (W)	3009
COP (W/W)	2,21
EER (kcal/Wh)	1,90
Input Power (W)	1358
Current (A)	3.03

TEST CYCLE CONDITIONS

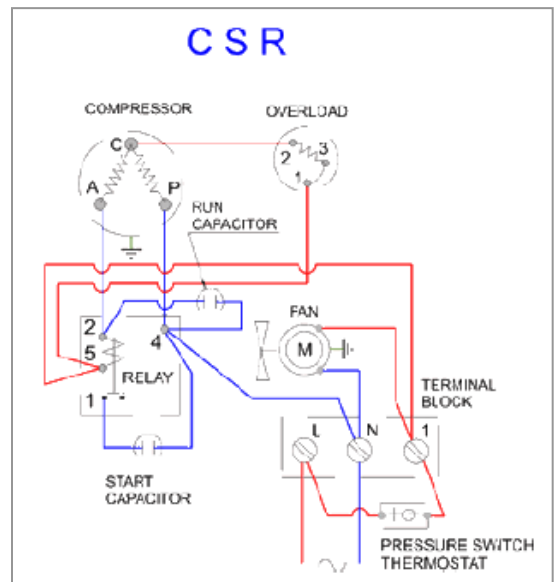
HMBP (D)

Evaporating temp. (°C)	7,2
Condensing temp. (°C)	55
Liquid temp. (°C)	46
Ambient temp. (°C)	35
Suction temp. (°C)	35
Tens/Freq (V/Hz)	220V 50Hz

CONDENSER DATA

Condenser type	CU-AL
Condenser model	12T 4R
Fan Blade (Ø [mm] / °)	300 / 19
Fan motor	25W 230V 50/60Hz

ELECTRICAL DIAGRAM



PERFORMANCES

REFRIGERATION CAPACITY (W)									
Evaporating Temperature (°C)									
Model	Motor					7.2			10
		-25	-15	-5	5	W	Winp	A	
CGS34TB_N	CSR	686	1283	1992	2813	3009	1358	6.03	3266

Ashrae HMBP: Condensing temperature: 55°C, Liquid temperature: 46°C, Suction temperature: 35°C, Ambient temperature: 35°C

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VERSIONS

VERSION 1	VERSION 2	VERSION 3	VERSION 3P	VERSION 4
Tube	Service valve	Service valve and receiver	Service valve, receiver, pressure switch	Tube, Schrader valve on the refrigerant charging
Suction tube internal diam.: 12,7mm Discharge tube internal diam.: 8mm	Suction valve: 5/8" Discharge valve: 3/8"	Receiver vol.: 2,4l Suction valve: 5/8" Discharge valve: 3/8"	Receiver vol.: 2,4l Suction valve: 5/8" Discharge valve: 3/8"	Suction tube internal diam.: 12,7mm Discharge tube internal diam.: 8mm

DIMENSION

