

**Compressor, Zanussi, HLY80AA,
1/7Hp, 220-240V 50Hz ~1,
R600a, ZEM, Low Back
Pressure, RSIR**

written by Lilianne | 26 January 2021



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Technical Data Sheet
Compressor model HLY80AAa
Voltage 220-240V 50Hz ~1
Refrigerant R600a

APPLICATION COMPRESSOR MOTOR

Application Low Back Pressure Displacement 8,10 cm³ Nominal Power 1/7 hp

Refrigerant R600a Diameter 24,29 mm Voltage/Frequency 220-240V 50Hz

Evaporating Temp. -35,0 °C to -10,0 °C Stroke 17,47 mm Voltage range 187-264 V

Expansion Capillar Net Weight 9,45 Kg Type RSIR

Comp. Cooling Static Oil type ISO VG 10 MINER Phase number 1 PH

Max. ambient temp. 43,0 °C Oil charge 205 cm³ Locked Rotor Amps (LRA) 8,60 A

Max. Cont. Current (MCC) 1,00 A

Main W. resist. at 25°C 22,02 Ω

Start W. resist. at 25°C 22,53 Ω

NOMINAL PERFORMANCE

ASHRAE CECOMAF

Cooling Capacity 113 kCal/h 99 W

COP 1,41 W/W 1,11 W/W

EER 1,22 kCal/Wh 0,96 kCal/Wh

Input Power 93 W 89 W

Current 0,62 A 0,60 A

TEST CYCLE CONDITIONS

ASHRAE CECOMAF

LBP (B) LBP (A)

Evaporating temp. -23,3 °C -25,0 °C

Condensing temp. 55,0 °C 55,0 °C

Liquid temp. 32,0 °C 55,0 °C

Ambient temp. 32,0 °C 32,0 °C

Suction temp. 32,0 °C 32,0 °C

Voltage/Frequency 220 V 50 Hz 220 V 50 Hz

ELECTRICAL COMPONENTS

Relay Option 1

Reference PTC K100

Voltage 200-240 V

Resistance 14.00 Ω

Protector Option 1 Option 2 Option 3 Option 4
Reference MSP318LZ 4TM189NFBYY T0462 AE37FJ
Current 5,90 A 5,50 A 6,20 A 5,90 A
Time check 7,5-14 seg 5-15 seg 7,5-14 seg 7,5-14 seg
Disc temp. (Open/Close) 120,00 / 61,00 °C 120,00 / 61,00 °C
110,00 / 62,00 °C 115,00 / 62,00 °C

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