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 ºC to -10,0 ºC 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 ºC Oil charge 205 cm³ Locked Rotor Amps (LRA) 8,60 A
Max. Cont. Current (MCC) 1,00 A
Main W. resist. at 25ºC 22,02 Ω
Start W. resist. at 25ºC 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 ºC -25,0 ºC
Condensing temp. 55,0 ºC 55,0 ºC
Liquid temp. 32,0 ºC 55,0 ºC
Ambient temp. 32,0 ºC 32,0 ºC
Suction temp. 32,0 ºC 32,0 ºC
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 ºC 120,00 / 61,00 ºC 110,00 / 62,00 ºC 115,00 / 62,00 ºC

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ZEM
3 HLY 80 AA 0051
220-240V~ 50Hz
R 600 a
1 146
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SUCTION
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