

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

Category: compressor

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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 cm<sup>3</sup> 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 cm<sup>3</sup> 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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# Compresseur, réfrigérateur, JIAXIPERA, 115W, 1/7HP, R600a, JM1110Y, RSIR, 220-240~/50

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压缩机型号	容积 (cm <sup>3</sup> )	电机型式	电压/频率 (V ~ / Hz)	W	BTU / h	Kcal	W	W / W	BTU / Wh	W / W	电容 (μF)	
JM1080Y	6,0	RSIR	220-240 ~ / 50	100	341	86	75	1,45	4,95	1,13	/	CCC / VDE
<i>JM1080Y</i>	<i>6,0</i>	<i>RSIR</i>	<i>220-240 ~ / 50</i>	<i>100</i>	<i>341</i>	<i>86</i>	<i>75</i>	<i>1,45</i>	<i>4,95</i>	<i>1,13</i>	<i>/</i>	<i>VDE, CCC</i>
JM1110Y	7,0	RSIR	220-240 ~ / 50	118	403	101	89	1,45	4,95	1,13	/	CCC / VDE
<i>JM1110Y</i>	<i>7,1</i>	<i>RSCR</i>	<i>220-240 ~ / 50</i>	<i>118</i>	<i>403</i>	<i>101</i>	<i>89</i>	<i>1,42</i>	<i>4,85</i>	<i>1,11</i>	<i>/</i>	<i>VDE, CCC</i>
JK1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,55	5,29	1,21	4,0	CCC / VDE
<i>JK1080Y</i>	<i>6,0</i>	<i>RSCR</i>	<i>220-240 ~ / 50</i>	<i>100</i>	<i>341</i>	<i>86</i>	<i>75</i>	<i>1,55</i>	<i>5,29</i>	<i>1,21</i>	<i>3,0</i>	<i>VDE, CCC</i>
JK1110Y	7,0	RSCR	220-240 ~ / 50	118	403	101	89	1,55	5,29	1,21	4,0	CCC / VDE
JT1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,65	5,63	1,29	2,5	CCC / VDE
JT1110Y	7,0	RSCR	220-240 ~ / 50	118	403	101	89	1,65	5,63	1,29	2,5	CCC / VDE
JH1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,75	5,97	1,37	2,5	CCC / VDE
JH1111Y	7,4	RSCR	220-240 ~ / 50	128	437	110	96	1,75	5,97	1,37	3,0	CCC / VDE

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压缩机型号	容积 (cm <sup>3</sup> )	电机型式	电压/频率 (V ~ / Hz)	W	BTU / h	Kcal	W	W / W	BTU / Wh	W / W	(μF)	
JM1080Y	6,0	RSIR	220-240 ~ / 50	100	341	86	75	1,45	4,95	1,13	/	CCC / VDE
<i>JM1080Y</i>	<i>6,0</i>	<i>RSIR</i>	<i>220-240 ~ / 50</i>	<i>100</i>	<i>341</i>	<i>86</i>	<i>75</i>	<i>1,45</i>	<i>4,95</i>	<i>1,13</i>	<i>/</i>	<i>VDE, CCC</i>
JM1110Y	7,0	RSIR	220-240 ~ / 50	118	403	101	89	1,45	4,95	1,13	/	CCC / VDE
<i>JM1110Y</i>	<i>7,1</i>	<i>RSCR</i>	<i>220-240 ~ / 50</i>	<i>118</i>	<i>403</i>	<i>101</i>	<i>89</i>	<i>1,42</i>	<i>4,85</i>	<i>1,11</i>	<i>/</i>	<i>VDE, CCC</i>
JK1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,55	5,29	1,21	4,0	CCC / VDE
<i>JK1080Y</i>	<i>6,0</i>	<i>RSCR</i>	<i>220-240 ~ / 50</i>	<i>100</i>	<i>341</i>	<i>86</i>	<i>75</i>	<i>1,55</i>	<i>5,29</i>	<i>1,21</i>	<i>3,0</i>	<i>VDE, CCC</i>
JK1110Y	7,0	RSCR	220-240 ~ / 50	118	403	101	89	1,55	5,29	1,21	4,0	CCC / VDE
JT1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,65	5,63	1,29	2,5	CCC / VDE
JT1110Y	7,0	RSCR	220-240 ~ / 50	118	403	101	89	1,65	5,63	1,29	2,5	CCC / VDE
JH1080Y	6,0	RSCR	220-240 ~ / 50	100	341	86	75	1,75	5,97	1,37	2,5	CCC / VDE
JH1111Y	7,4	RSCR	220-240 ~ / 50	128	437	110	96	1,75	5,97	1,37	3,0	CCC / VDE

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# Specifications

# Description

# Detailed Product Description

- 1.Low levels of noise and vibration
- 2.Standard,medium,high and very high levels of efficiency

Compressor Model	Displ. (cm3)	Cooling Type	Motor Type	Vol./Fre. (V~/Hz)	Capacity (W)		COP (W/W)	
					ASHRAE (-23.3°C)	CECOMAF (-25°C)	ASHRAE (-23.3°C)	CECOMAF (-25°C)
JM1080Y	6.02	ST	RSIR	220-240~/50	100	75	1.45	1.13
JM1110Y	7.04	ST	RSIR	220-240~/50	115	86	1.25	0.98
JM1111Y	7.70	ST	RSIR	220-240~/50	125	94	1.30	1.01
JK1080Y	6.02	ST	RSCR	220-240~/50	100	75	1.55	1.21
JT1080Y	6.02	ST	RSCR	220-240~/50	95	71	1.65	1.29

## Description

### Detailed Product Description

- 1.Low levels of noise and vibration
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Compressor Model	Displ. (cm3)	Cooling Type	Motor Type	Vol./Fre. (V~/Hz)	Capacity (W)		COP (W/W)	
					ASHRAE	CECOMAF	ASHRAE	CECOMAF
					(-23.3°C)	(-25°C)	(-23.3°C)	(-25°C)
JM1080Y	6.02	ST	RSIR	220-240~/50	100	75	1.45	1.13
JM1110Y	7.04	ST	RSIR	220-240~/50	115	86	1.25	0.98
JM1111Y	7.70	ST	RSIR	220-240~/50	125	94	1.30	1.01
JK1080Y	6.02	ST	RSCR	220-240~/50	100	75	1.55	1.21
JT1080Y	6.02	ST	RSCR	220-240~/50	95	71	1.65	1.29

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