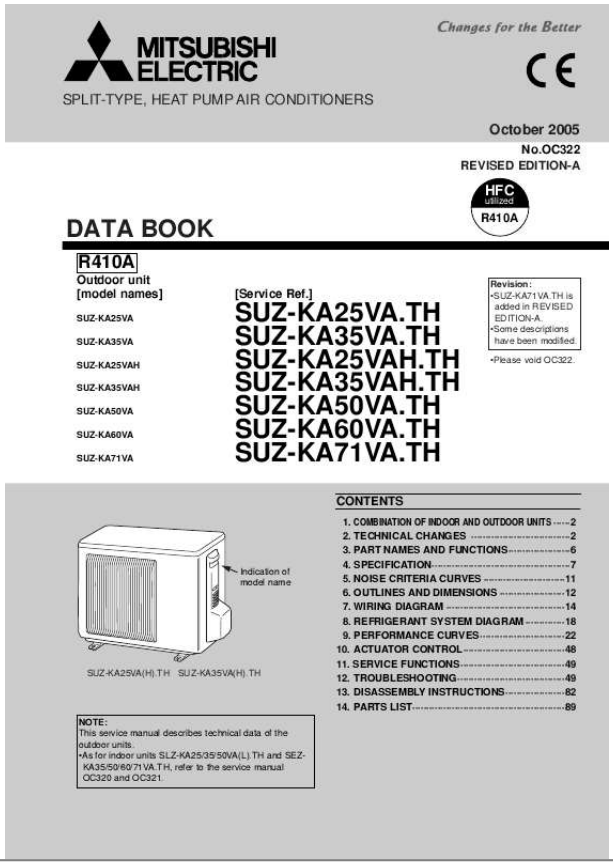

MITSUBISHI ELECTRIC

Changes for the Better

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

October 2005

No.OC322

REVISED EDITION-A

HFC utilized R410A

DATA BOOK

R410A

Outdoor unit [model names]

SUZ-KA25VA
SUZ-KA35VA
SUZ-KA25VAH
SUZ-KA35VAH
SUZ-KA50VA
SUZ-KA60VA
SUZ-KA71VA

[Service Ref.]

SUZ-KA25VA.TH
SUZ-KA35VA.TH
SUZ-KA25VAH.TH
SUZ-KA35VAH.TH
SUZ-KA50VA.TH
SUZ-KA60VA.TH
SUZ-KA71VA.TH

Revision:
•SUZ-KA71VA.TH is added in REVISED EDITION-A.
•Some descriptions have been modified.
•Please void OC322.

Indication of model name

SUZ-KA25VA(H).TH SUZ-KA35VA(H).TH

NOTE:
This service manual describes technical data of the outdoor units.
•As for indoor units SLZ-KA25/35/50VA(L).TH and SEZ-KA35/50/60/71VA.TH, refer to the service manual OC320 and OC321.

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Manual abstract:

@@@@@@PART NAMES AND FUNCTIONS······················6 4. SPECIFICATION···7 5. NOISE CRITERIA CURVES ·····························11 6. OUTLINES AND DIMENSIONS ·······················12 7. WIRING DIAGRAM ··14 8. REFRIGERANT SYSTEM DIAGRAM ·············18 9. PERFORMANCE CURVES ·····························22 10. ACTUATOR CONTROL·································48 11. SERVICE FUNCTIONS····································49 12. TROUBLESHOOTING ····································49 13. DISASSEMBLY INSTRUCTIONS····················82 14. PARTS LIST··89 NOTE: This service manual describes technical data of the outdoor units. ·As for indoor units SLZ-KA25/35/50VA(L).TH and SEZKA35/50/60/71VA.TH, refer to the service manual OC320 and OC321. 1 COMBINATION OF INDOOR AND OUTDOOR UNITS Indoor unit Service Manual No. Outdoor unit Heat pump type SUZService Ref. SLZ-KA25VA(L).TH SLZ-KA35VA(L).TH OC320 -- -- -- -- -- OC321 SEZ-KA60VA. TH SEZ-KA71VA.TH MFZ-KA25VA-E1 MFZ-KA35VA-E1 MFZ-KA50VA-E1 OB409 -- KA25VA(H).TH KA35VA(H).TH KA50VA.TH KA60VA.TH KA71VA.TH -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- Heat pump without electric heater SLZ-KA50VA(L).TH SEZ-KC25VA.W SEZ-KA35VA.TH SEZ-KA50VA.

TH (NOTE) Only the combination data of SLZ type and SEZ type have been described in this manual. Please refer to the service manual of indoor unit or the technical data book for other combination. 2 TECHNICAL CHANGES SUZ-A09VR.TH SUZ-KA25VA.TH SUZ-A12VR.TH SUZ-KA35VA.TH 1.Indication of capacity has been changed.(BTU base kW base) 2.Control method between indoor and outdoor unit has been changed. 3.Power supply method has been changed (change to supply from outdoor unit). 4. Terminal block for power supply has been added. 5. Power P.C.board has been changed. 6.Inverter P. C. board has been changed. 7.Refrigerant circuit has been changed. · Compressor has been changed.(KNB073FBVH KNB073FDVH:SUZ-KA25VA) (KNB092FAAH KNB092FCAH:SUZ-KA35VA) · Specification and position of muffler have been changed. · Path of outdoor heat exchanger has been changed. · 4-way valve and R.V. coil have been changed.

· Stop valve has been changed. 8.Fan motor has been changed.(AC DC) 9.Shape of grille has been changed. 10.Shape of service panel has been changed. 11.Shape of propeller has been changed. 12. Symbol on terminal block has been changed (to S1/S2/S3). SUZ-A18VR SUZ-KA50VA.TH SUZ-A24VR SUZ-KA60VA.TH 1.Indication of capacity has been changed. (BTU base kW base) 2.Power supply method has been changed (change to supply from outdoor unit). 3.Outdoor electronic control P.C. board has been changed. 4.Noise filter P.C. board has been changed. 5.Length of fan motor lead wire been changed. 6.Shape of relay panel has been changed. 7.

Symbol on terminal block has been changed (to S1/ S2/ S3). 8.Control method between indoor and outdoor unit has been changed. 2 INFORMATION FOR THE AIR CONDITIONER WITH R410A REFRIGERANT · This room air conditioner adopts an HFC refrigerant (R410A) which never destroys the ozone layer. · Pay particular attention to the following points, though the basic installation procedure is same as that for R22 conditioners. 1 As R410A has working pressure approximate 1.6 times as high as that of R22, some special tools and piping parts/ materials are required. Refer to the table below. 2 Take sufficient care not to allow water and other contaminations to enter the R410A refrigerant during storage and installation, since it is more susceptible to contaminations than R22. 3 For refrigerant piping, use clean, pressure-proof parts/materials specifically designed for R410A. (Refer to 2. Refrigerant piping.) 4 Composition change may occur in R410A since it is a mixed refrigerant. When charging, charge liquid refrigerant to prevent composition change. New refrigerant Refrigerant Composition (Ratio) Refrigerant handling Chlorine Safety group (ASHRAE) Refrigerant Molecular weight Boiling point (:) Steam pressure [25:](Mpa) Saturated steam density [25:](Kg/K) Combustibility ODP w1 GWP w2 Refrigerant charge method Additional charge on leakage Refrigerating Kind oil Color R410A HFC-32: HFC-125 (50%:50%) Pseudo-azeotropic refrigerant Not included A1/A1 72.

6 -51.4 1.557 64 Non combustible 0 1730 From liquid phase in cylinder Possible Incompatible oil Non Non Previous refrigerant R22 R22 (100%) Single refrigerant Included A1 86.5 -40.8 0.

94 44.4 Non combustible 0.055 1700 Gas phase Possible Compatible oil Light yellow Non Smell w1 :Ozone Destruction Parameter : based on CFC-11 w2 :Global Warmth Parameter : based on CO2 New Specification Current Specification Compressor The incompatible refrigerating oil easily separates from Since refrigerant and refrigerating oil are compatible each, refrigerant and is in the upper layer inside the suction muffler. refrigerating oil backs to the compressor through the lower Raising position of the oil back hole enables to back the position oil back hole. refrigerating oil of the upper layer to flow back to the compressor. Suction muffler Suction muffler Oil back hole Refrigerating oil Compressor Compressor Oil back hole Refrigerant Refrigerating oil /Refrigerant NOTE : The unit of pressure has been changed to MPa on the international system of units(SI unit system). f The conversion factor is: 1(MPa [Gauge]) =10.2(kgf/f [Gauge]) 3 Conversion chart of refrigerant temperature and pressure (MPa [Gauge]) 4.0 3.5 R410A R22 Saturated liquid pressure 3.

0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -30 -20 -10 NOTE : The unit of pressure has been changed to MPa on the international system of units(SI unit system). f The conversion factor is: 1(MPa [Gauge]) =10.2(kgf/f [Gauge]) 0 10 20 30 40 50 60 (:) 1.

Tools dedicated for the air conditioner with R410A refrigerant The following tools are required for R410A refrigerant. Some R22 tools can be substituted for R410A tools. The diameter of the service port on the stop valve in outdoor unit has been changed to prevent any other refrigerant being charged into the unit. Cap size has been changed from 7/16 UNF with 20 threads to 1/2 UNF with 20 threads. R410A tools Gauge manifold Charge hose Gas leak detector Torque wrench Flare tool Flare gauge Vacuum pump adapter Electronic scale for refrigerant charging Can R22 tools be used? No No No Yes No Yes New New New Description R410A has high pressures beyond the measurement range of existing gauges.

Port diameters have been changed to prevent any other refrigerant from being charged into the unit. Hose material and cap size have been changed to improve the pressure resistance. Dedicated for HFC refrigerant. 6.35 mm and 9.

52 mm 12.7 mm and 15.88 mm Clamp bar hole has been enlarged to reinforce the spring strength in the tool. Provided for flaring work (to be used with R22 flare tool). Provided to prevent the back flow of oil. This adapter enables you to use vacuum pumps. It is difficult to measure R410A with a charging cylinder because the refrigerant bubbles due to high pressure and high-speed vaporization No : Not Substitutable for R410A Yes : Substitutable for R410A 2. Refrigerant piping 1 Specifications Use the refrigerant pipes that meet the following specifications. Outside diameter mm 6.35 9.

52 9.52 For gas 12.7 15.88 Wall thickness mm 0.8 0.8 0.8 0.8 1.0 Heat resisting foam plastic Specific gravity 0.045 Thickness 8 mm Pipe For liquid Insulation material · Use a copper pipe or a copper-alloy seamless pipe with a thickness of 0.

8 mm. Never use any pipe with a thickness less than 0.8mm, as the pressure resistance is insufficient. 4 2 Flaring work and flare nut Flaring work for R410A pipe differs from that for R22 pipe. For details of flaring work, refer to Installation manual "FLARING WORK".

Pipe diameter (mm) 6.35 9.52 12.7 15.88 Dimension of flare nut (mm) R410A 17 22 26 29 R22 17 22 24 27 3.

Refrigerant oil Apply the special refrigeration oil (accessories: packed with indoor unit) to the flare and the union seat surfaces. 4. Air purge · Do not discharge the refrigerant into the atmosphere. Take care not to discharge refrigerant into the atmosphere during installation, reinstallation, or repairs to the refrigerant circuit. · Use the vacuum pump for air purging for the purpose of environmental protection. 5. Additional charge For additional charging, charge the refrigerant from liquid phase of the gas cylinder. If the refrigerant is charged from the gas phase, composition change may occur in the refrigerant inside the cylinder and the outdoor unit. In this case, ability of the refrigerating cycle decreases or normal operation can be impossible. However, charging the liquid refrigerant all at once may cause the compressor to be locked.

Thus, charge the refrigerant slowly. Union Stop valve Indoor unit Liquid pipe Gas pipe Refrigerant gas cylinder operating valve Outdoor unit Se 3.65 4.22 4.42 2.74 3.37 0.33 0.33 0.31 0.

28 3.30 3.64 3.42 3.61 KNB092FCAH KNB073FDVH 650 550 U-V 0.

49 U-W 0.49 U-V 1.53 U-W 1.53 V-W 0.49 V-W 1.

53 RC0J50-AL RC0J50-AL WHT-BLK 37.5 WHT-BLK 37.5 BLK-RED 37.5 BLK-RED 37.5 RED-WHT 37.5 RED-WHT 37.5 800o550o285 800o550o285 37 33 47 48 46 810w/650w 880w/810w/650w 840w/760w 880w/800w/630w 2 3 2 3 0.90 320 (NEO22) 32.6 13.4 17 10 1.

05 320 (NEO22) 32.6 13.4 17 10 NOTE : Test conditions are based on ISO 5151 Cooling : Indoor Dry-bulb temperature 27:Wet-bulb Outdoor Dry-bulb temperature 35:Wet-bulb Heating : Indoor Dry-bulb temperature 20:Wet-bulb Outdoor Dry-bulb temperature 7: Wet-bulb Refrigerant piping length (one way): 5m V1 Measured under rated operating frequency w Reference value Special remarks Fan motor temperature 19: temperature(24:) temperature 15: temperature 6: 8 SEZ-KA·VA.TH / SUZ-KA·VA.TH Outdoor Service Ref. Function Power supply Electrical Capacity data Capacity Rated frequency(Min.~Max.) kW Dehumidification r/h Air flow(High/Loww) K /h Starting current V1 A Compressor motor current V1 A Fan motor current A Coefficient of performance(C.O.P) Model Output W Winding " resistance(at 20:) Model Compressor Winding resistance(at 20:) Dimensions WOHOD Weight Sound level(High/Loww) Fan speed(High/Loww) Fan speed regulator Refrigerant filling capacity(R410A) Refrigerating oil (Model) Thermistor RT61 (at 25:) Thermistor RT62 (at 100:) Thermistor RT64 (at 50:) Thermistor RT65 (at 25:) Thermistor RT68 (at 25:) " mm kg dB rpm SUZ-KA50VA.

TH SUZ-KA60VA.TH SUZ-KA71VA.TH Indoor Service Ref. Indoor Service Ref. Indoor Service Ref.

SEZ-KA60VA.TH SEZ-KA50VA.TH SEZ-KA71VA.TH Cooling Cooling Cooling Heating Heating Heating Single phase Single phase Single phase 230V,50Hz 230V,50Hz 230V,50Hz 5.0(1.

1-5.6) 5.9(1.1-7.2) 5.5(1.1-6.3) 6.9(0.9-8.

0) 7.1(0.9-8.3) 8.1(0.9-10.4) 1.9 2.0 2.7 -- -- -- w 2,940/2,210w 2,940/1,650w 2,940/2,210w 2,940/1,650w 2,940/2,210w 2,940/1,650 6.

75 9.75 10.30 8.05 10.00 6.

45 9.45 9.60 6.05 0.30 0.

30 0.30 2.81 2.89 2.81 2.82 3.43 3.21 SNB130FLDH SNB130FLDH TNB220FMCH 850 850 1300 U-V 0.45 U-W 0.45 U-V 0.

45 U-W 0.45 U-V 1.41 U-W 1.41 V-W 0.45 V-W 0.45 V-W 1.41 RC0J60-AA RC0J60-AA RC0J60-AA BLK-WHT 15.2 BLK-WHT 15.2 BLK-WHT 15.2 WHT-RED 15.

2 WHT-RED 15.2 WHT-RED 15.2 RED-BLK 15.2 RED-BLK 15.2 RED-BLK 15.

2 840o850o330 840o850o330 840o850o330 53 53 58 53/51w 53/51w 53/51w 55/53w 55/53w 55/53w w w w w w 800/480 800/480 800/480 800/620 800/620w 800/620 2 2 2 1.

60 450 (NEO22) 10.0 13.4 17.0 10.
0 10.0 1.80 450 (NEO22) 10.0 13.4 17.0 10.0 10.0 2.00 870 (NEO22) 10.0 13.

4 17.0 10.0 10.0 Fan motor Special remarks kg cc k" k" k" k" k" NOTE : Test conditions are based on ISO 5151 Cooling : Indoor D.B. 27: W.B. 19: Outdoor D.B. 35: W.
B. 24: Heating : Indoor D.B. 20: W.B.
15: Outdoor D.B. 7: W.B. 6: Refrigerant piping length (one way): 5m V1 Measured under rated operating frequency.
w Reference value 9 Specifications and rating conditions of main electric parts SUZ-KA25VA.TH SUZ-KA25VAH.TH SUZ-KA35VA.TH SUZ-KA35VAH.TH Model Item Current transformer (CT) Current transformer (CT761, CT781) Smoothing capacitor (C63A, C63B, C63C) Diode module Fuse Fuse Defrost heater Intelligent power module Expansion valve coil Reactor Current-detecting resistor Current-detecting resistor Terminal block Relay Relay Relay R.V. coil Heater protector (DB61, DB65) (F61) (F71, F801, F901) (H) (IPM) (LEV) (L61) (R61) (R831) (TB1,TB2) (X63) (X64) (X66) (21S4) (26H) -- -- G5NB-1a STF-01AJ503 Open 45: -- Open 45: 45m" 5W (1 element) 25m" 5W 5.1" 5W 3P G5NB-1a G4A-1A-PS -- G5NB-1a -- 230V 130W PS21244-A-203 CAD-MD12ME 12VDC 10A 23.0mH 50m" 5W (2 elements) SUZ-KA25VA.TH SUZ-KA25VAH.

TH SUZ-KA35VA.TH SUZ-KA35VAH.TH ETA19Z59BZ ETQ19Z71AY 620+ 420V D25XB60 250V 20A 250V 3.15A -- 230V 130W Current-limiting resistor (R64A, R64B) SUZ-KA50VA.TH SUZ-KA60VA.TH SUZ-KA71VA.TH Model Item Smoothing capacitor Current transformer Current transformer Fuse Fuse Fuse Intelligent power module High pressure switch Intelligent power module Reactor Expansion valve coil Power factor controller Resistor Resistor Resistor Solenoid coil relay Terminal block Terminal block Relay R.V. @@@@@@@@@@@@@@@@2.Use copper conductors only.
(For field wiring) 3. Symbols below indicate. @@BOARD INVERTER P.C. @@@@@@2.
Use copper conductors only. (For field wiring) 3. Symbols below indicate. @@@@@@@@@@@@@SSR61 SOLENOID COIL RELAY 3.Symbols below indicate.
@@@@@@@@coil heating ON cooling OFF Refrigerant flow in cooling Refrigerant flow in heating Unit:mm Capillary tube [3.6![2.4!50 SUZ-KA71VA.TH OUTDOOR UNIT Refrigerant pipe [15.88 (with heat insulator) Capillary tube [1.8![0.6!1000 Oil separator High-pressure 4-way valve switch Stop valve (with service port) Flared connection Strainer #100 Defrost thermistor RT61 Discharge temperature thermistor RT62 Outdoor heat exchanger Ambient temperature thermistor RT65 Compressor Flared connection Strainer Receiver #100 Stop valve Refrigerant pipe [9.52 (with heat insulator) Outdoor heat exchanger temperature thermistor RT68 R.V. coil heating ON cooling OFF Refrigerant flow in cooling Refrigerant flow in heating LEV Strainer #100 Capillary tube [3.

6![2.4!50 19 SUZ-KA25VA.TH SUZ-KA25VAH.TH SUZ-KA35VA.TH SUZ-KA35VAH.TH MAX. REFRIGERANT PIPING LENGTH Refrigerant piping Models SUZ-KA25VA.TH SUZ-KA35VA.TH SUZ-KA25VAH.TH SUZ-KA35VAH.
TH Max. length : m A Piping size O.D : mm Gas Liquid 20 9.52 6.35 MAX.
HEIGHT DIFFERENCE Indoor unit (SLZ/SEZ) w Max. Height difference 12m Refrigerant Piping Max. length A Outdoor unit w Height difference should be within 12m regardless of which unit, indoor or outdoor position is high. ADDITIONAL REFRIGERANT CHARGE (R410A:g) Outdoor unit precharged Refrigerant piping length (one way) 5m 6m 7m 8m 9m 10m 11m 12m 13m 14m 15m 20m Models SUZ-KA25VA.TH SUZ-KA25VAH.
TH 900 0 0 0 90 120 150 180 210 240 270 300 450 SUZ-KA35VA.TH SUZ-KA35VAH.TH 1,050 0 0 0 90 120 150 180 210 240 270 300 450 Calculation : Xg=30g/mo(Refrigerant piping length(m) - 5) 20 SUZ-KA50VA.TH SUZ-KA60VA.TH SUZ-KA71VA.TH MAX. REFRIGERANT PIPING LENGTH Refrigerant piping Model Max. length : m A SUZ-KA50VA.TH SUZ-KA60VA.TH SUZ-KA71VA.

TH 30 15.88 9.52 Piping size O.D : mm Gas 12.7 6.35 Liquid MAX. HEIGHT DIFFERENCE Indoor unit (SLZ/SEZ) w Max. Height difference 15m Refrigerant Piping Max. length A Outdoor unit w Height difference should be within 15m regardless of which unit, indoor or outdoor position is high. ADDITIONAL REFRIGERANT CHARGE(R410A : g) Model Outdoor unit precharged Refrigerant piping length (one way) 7m 10m 15m 20m 25m 30m SUZ-KA50VA.
TH 1,600 0 60 160 260 360 460 SUZ-KA60VA.TH 1,800 0 60 160 260 360 460 Calculation : Xg=20g/m ! (Refrigerant piping length (m)7) Model SUZ-KA71VA.TH Outdoor unit precharged 2,000 Refrigerant piping length (one way) 7m 0 10m 165 15m 440 20m 715 25m 990 30m 1,265 Calculation : Xg=55g/mo(Refrigerant piping length(m)-7) 21 9 PERFORMANCE CURVES q SLZ-KA25VA(L).TH / SUZ-KA25VA.TH, SUZ-KA25VAH.
TH q SLZ-KA35VA(L).TH / SUZ-KA35VA.TH, SUZ-KA35VAH.TH q SLZ-KA50VA(L).TH / SUZ-KA50VA.
TH The standard data contained in these specifications apply only to the operation of the air conditioner under normal condition. Operating conditions vary according to the areas where these units are installed. The following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve. (1) GUARANTEED VOLTAGE Rated voltage : ±10% (207~253V), 50Hz (2) AIR FLOW Air flow should be set at MAX. (3) MAIN READINGS COOLING (1) Indoor intake air wet-bulb temperature : W.B. °C (2) Indoor outlet air wet-bulb temperature : W.B. °C (3) Outdoor intake air dry-bulb temperature : D.B.

°C (4) Total input : W HEATING (1) Indoor intake air dry-bulb temperature : D.B. °C (2) Indoor outlet air dry-bulb temperature : D.B. °C (3) Outdoor intake air wet-bulb temperature : W.B. °C (4) Total input : W Indoor air wet/dry-bulb temperature difference on the side of the chart on page shows the difference between the indoor intake air wet/dry-bulb temperature and the indoor outlet air wet/dry-bulb temperature for your reference at service. How to measure the indoor air wet-bulb/dry-bulb temperature difference 1. Attach at least 2 sets of wet-and-dry-bulb thermometers to the indoor air inlet as shown in the figure, and at least 2 sets of wet-and-dry-bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high. 2. Attach at least 2 sets of wet-and-dry-bulb thermometers to the outdoor air inlet. Cover the thermometers to prevent direct rays of the sun. 3. Check that the air filter is cleaned.
4. Open windows and doors of the room. 5. Press the EMERGENCY OPERATION switch once to start the EMERGENCY COOL(HEAT) MODE. 6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature. 7. 10 minutes later, measure temperature again and check that the temperature does not change. INDOOR UNIT OUTDOOR UNIT Wet-and dry-bulb thermometers BACK VIEW Indoor air Wet-bulb temperature difference (degree) 6.4 5.9 5.4 5.0 4.5 4.1 8.

4 7.8 7.2 6.6 6.0 5.4 10.8 10.0 9.2 8.5 7.
7 6.9 Indoo r inta ke air Wetbulb peratu lb tem re (:) temp eratu re (:) Indoo r inta k et-bu e air W SUZ-KA25VA(H).

TH Rated frequency 58Hz SUZ-KA35VA(H).TH Rated frequency 73Hz SUZ-KA50VA.TH Rated frequency 75Hz Outdoor intake air Dry-bulb temperature (:) Outdoor intake air Dry-bulb temperature (:) 22 Indoor air Dry-bulb temperature difference (degree) 20.
8 19.2 17.6 16.0 14.4 12.
8 11.2 9.6 SUZ-KA25VA(H).TH Rated frequency 77Hz 23.9 22.1 20.2 18.4 16.5 14.7 12.

9 11.0 SUZ-KA35VA(H).TH Rated frequency 77Hz 28.2 26.0 23.9 21.7 19.5 17.4 15.2 13.
0 SUZ-KA50VA.TH Rated frequency 65Hz Ind oo t r in ak ea ir yDr bu lb ra pe tem tur :) e(ke a ir Dr y-bu m lb te ture pera (:) Indo ta or in Outdoor intake air Wet-bulb temperature (:) Outdoor intake air Wet-bulb temperature (:) NOTE:The above curves are for the heating operation without any frost. SUZ-KA25VA(H).TH Correction of Cooling capacity 1.5 Capacity correction factors Input correction factors 2.
0 SUZ-KA25VA(H).TH Correction of Cooling total input 2.0 SUZ-KA25VA(H).TH Correction of Heating capacity SUZ-KA25VA(H).TH Correction of Heating total input 2.
0 Input correction factors Capacity correction factors 1.5 1.5 1.5 1.0 1.0 1.0 1.0 0.5 0.5 0.

5 0.5 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) 0.0 0 50 100 150(Hz) The operational frequency of compressor The operational frequency of compressor SUZ-KA35VA(H).TH Correction of Cooling capacity 1.5 Capacity correction factors 1.5 SUZ-KA35VA(H).TH Correction of Cooling total input 2.
0 Capacity correction factors SUZ-KA35VA(H).TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA35VA(H).TH Correction of Heating total input Input correction factors 1.5 1.
5 1.0 1.0 1.0 1.0 0.
5 0.5 0.5 0.5 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor SUZ-KA50VA.TH Correction of Cooling capacity 1.5 Capacity correction factors 1.

5 SUZ-KA50VA.TH Correction of Cooling total input 2.0 Capacity correction factors SUZ-KA50VA.TH Correction of Heating capacity 2.5 Input correction factors 2.0 1.5 1.0 0.5 0.0 0 SUZ-KA50VA.
TH Correction of Heating total input Input correction factors 1.5 1.0 1.0 1.0 0.
5 0.5 0.5 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.
0 0 50 100 150(Hz) The operational frequency of compressor 50 100 150(Hz) The operational frequency of compressor OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT <How to operate fixed-frequency operation (Test run operation)> 1. Press the EMERGENCY OPERATION switch or the Test button to COOL or HEAT mode. 2. Test run operation starts and continue to operate for 30 minutes. 3. Compressor starts at rated frequency in COOL mode or 58Hz in HEAT mode. 4. Indoor fan operates at High speed. 5. @@6.

To cancel test run operation (EMERGENCY OPERATION), press the EMERGENCY OPERATION switch or the ON/OFF button on remote controller. @@f The conversion factor is: 1(MPa [Gauge]) =10.2(kgf/f [Gauge]) 23 OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT COOL operation 1 Both indoor and outdoor unit are under the same temperature/humidity condition. 2 Air flow : High speed 3 Operational frequency : 58Hz(SUZ-KA25VA(H).TH) 73Hz(SUZ-KA35VA(H).TH) 75Hz(SUZ-KA50VA.TH) Dry-bulb temperature 20 25 30 Relative humidity(%) 50 60 70 SUZ-KA25VA(H).TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 Outdoor low pressure 12 10 8 6 4 2 1.2 58Hz 1.
0 0.8 0.6 0.4 0.2 15 Outdoor low pressure SUZ-KA35VA(H).
TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 12 10 8 6 4 2 1.2 1.0 0.8 0.
6 0.4 0.2 15 Outdoor low pressure 73Hz SUZ-KA50VA.TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 12 10 8 6 4 2 1.2 1.0 0.8 0.6 0.4 0.

2 15 75Hz 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) SUZ-KA25VA(H).TH 4 Outdoor unit current(A) Outdoor unit current(A) 5 SUZ-KA35VA(H).TH 9.0 Outdoor unit current(A) SUZ-KA50VA.TH 75Hz 8.0 3.5 58Hz 3 4.5 73Hz 4 7.0 2.5 3.
5 6.0 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 2 15 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 3 15 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 5.0 15 HEAT operation Condition indoor: Dry bulb temperature 20.0°C Wet bulb temperature 14.5°C Condition outdoor: Dry bulb temperature 2,7,15,20.
0°C Wet bulb temperature 1,6,12,14.5°C SUZ-KA25VA(H).TH 3.0 Outdoor unit current (A) Outdoor unit current (A) 2.5 58Hz 2.
0 1.5 1.0 0.5 0.0 2 5 10 15 20 25(:) 4.0 3.5 SUZ-KA35VA(H).TH 7.0 Outdoor unit current (A) 6.0 SUZ-KA50VA.

TH 58Hz 3.0 2.5 2.0 1.5 1.0 2 5 10 15 20 25(:) 58Hz 5.0 4.0 3.0 2.0 1.
0 2 5 10 15 20 25(:) Ambient temperature(°C) Ambient temperature(°C) Ambient temperature(°C) 24 q q q q q SEZ-KC25VA.W SEZ-KA35VA.TH SEZ-KA50VA.TH SEZ-KA60VA.TH SEZ-KA71VA.
TH ///// SUZ-KA25VA.TH, SUZ-KA25VAH.TH SUZ-KA35VA.TH, SUZ-KA35VAH.TH SUZ-KA50VA.
TH SUZ-KA60VA.TH SUZ-KA71VA.TH The standard data contained in these specifications apply only to the operation of the air conditioner under normal condition. Operating conditions vary according to the areas where these units are installed. The following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve. (1) GUARANTEED VOLTAGE Rated voltage : ±10% (207~253V), 50Hz (2) AIR FLOW Air flow should be set at MAX. (3) MAIN READINGS COOLING (1) Indoor intake air wet-bulb temperature : W.B.°C (2) Indoor outlet air wet-bulb temperature : W.B.

°C (3) Outdoor intake air dry-bulb temperature : D.B.°C (4) Total input : W HEATING (1) Indoor intake air dry-bulb temperature : D.B.°C (2) Indoor outlet air dry-bulb temperature : D.B.°C (3) Outdoor intake air wet-bulb temperature : W.B.°C (4) Total input : W Indoor air wet/dry-bulb temperature difference on the side of the chart on page shows the difference between the indoor intake air wet/dry-bulb temperature and the indoor outlet air wet/dry-bulb temperature for your reference at service. How to measure the indoor air wet-bulb/dry-bulb temperature difference 1.
Attach at least 2 sets of wet-and-dry-bulb thermometers to the indoor air inlet as shown in the figure, and at least 2 sets of wet-and-dry-bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high. 2. Attach at least 2 sets of wet-and-dry-bulb thermometers to the outdoor air inlet.

Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned. 4. Open windows and doors of the room. 5.
Press the TEST button twice to start the COOL(HEAT) MODE. 6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature. 7. 10 minutes later, measure temperature again and check that the temperature does not change. INDOOR UNIT Air outlet OUTDOOR UNIT Wet-and dry-bulb thermometers Air inlet Wet-and dry-bulb thermometers BACK VIEW w The picture is SEZ-KA35, 50, 60, 71VA. SEZ-KC25VA is similar to SEZ-KA35, 50, 60, 71VA. 25 Indoor air Wet-bulb temperature difference (degree) Cooling capacity 8.4 7.8 7.

2 6.6 6.0 5.4 SUZ-KA25VA(H).TH Rated frequency 63Hz 7.9 7.3 6.7 6.2 5.6 5.
1 SUZ-KA35VA(H).TH Rated frequency 73Hz 8.4 7.8 7.2 6.
6 6.0 5.4 SUZ-KA50VA.TH Rated frequency 80Hz 8.6 8.
0 7.4 6.8 6.2 5.5 SUZ-KA60VA.TH Rated frequency 87Hz Indoo r inta ke air Wetbulb Total input (cooling) temp eratu re (:) Indoo r inta k lb et-bu e air W tempe rature (:) Outdoor intake air Dry-bulb temperature (:) Outdoor intake air Dry-bulb temperature (:) Indoor air Wet-bulb temperature difference (degree) Cooling capacity 10.5 9.6 8.8 7.9 7.

1 6.3 SUZ-KA71VA.TH Rated frequency 61Hz Indoo r inta ke air Wetbulb Total input (cooling) temp eratu re (:) Indoo r inta k et-bu e air W peratu lb tem re (:) Outdoor intake air Dry-bulb temperature (:) Outdoor intake air Dry-bulb temperature (:) Indoor air Dry-bulb temperature difference (degree) 25.2 23.2 21.3 19.4 17.4 15.5 13.6 11.
6 SUZ-KA25VA(H).TH Rated frequency 77Hz 22.7 20.9 19.2 17.
4 15.7 14.0 12.2 10.5 SUZ-KA35VA(H).
TH Rated frequency 77Hz 24.5 22.6 20.7 18.9 17.0 15.1 13.2 11.3 SUZ-KA50VA.TH Rated frequency 80Hz 25.

3 23.3 21.4 19.4 17.5 15.5 13.6 11.7 SUZ-KA60VA.TH Rated frequency 96Hz Ind oo Heating capacity tur :) e(Total input (heating) ture pera (:) t r in ak ea ir yDr bu lb ra pe tem Indo ta or in ke a ir Dr y-bu m lb te Outdoor intake air Wet-bulb temperature (:) Outdoor intake air Wet-bulb temperature (:) NOTE:The above curves are for the heating operation without any frost. Indoor air Dry-bulb temperature difference (degree) 25.
3 23.3 21.4 19.4 17.5 15.
5 13.6 11.7 SUZ-KA71VA.TH Rated frequency 61Hz Ind r oo Heating capacity ure (:) Total input (heating) ratu mpe) re (: int ak ea r ir D y-b ulb p tem t era or Indo inta ke a ir Dr y te -bulb Outdoor intake air Wet-bulb temperature (:) Outdoor intake air Wet-bulb temperature (:) NOTE:The above curves are for the heating operation without any frost. 26 SUZ-KA25VA(H).
TH Correction of Cooling capacity 1.5 Capacity correction factors 2.0 SUZ-KA25VA(H).TH Correction of Cooling total input 2.0 Capacity correction factors SUZ-KA25VA(H).TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA25VA(H).TH Correction of Heating total input Input correction factors 1.5 1.5 1.

5 1.0 1.0 1.0 1.0 0.5 0.5 0.5 0.5 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.
0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0 50 100 150(Hz) The operational frequency of compressor SUZ-KA35VA(H).TH Correction of Cooling capacity 1.5 Capacity correction factors 1.
5 SUZ-KA35VA(H).TH Correction of Cooling total input 2.0 Capacity correction factors SUZ-KA35VA(H).TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA35VA(H).
TH Correction of Heating total input Input correction factors 1.5 1.5 1.0 1.0 1.0 1.0 0.5 0.5 0.5 0.

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TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA50VA.TH Correction of Heating total input Input correction factors 1.5 1.5 1.
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TH Correction of Cooling total input 2.0 Capacity correction factors SUZ-KA60VA.TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA60VA.TH Correction of Heating total input Input correction factors 1.5 1.5 1.0 1.0 1.0 1.
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5 Capacity correction factors 1.5 SUZ-KA71VA.TH Correction of Cooling total input 2.0 Capacity correction factors SUZ-KA71VA.TH Correction of Heating capacity 2.0 Input correction factors SUZ-KA71VA.TH Correction of Heating total input Input correction factors 1.5 1.5 1.0 1.

0 1.0 1.0 0.5 0.5 0.5 0.5 0.0 0 50 100 150(Hz) The operational frequency of compressor 0.0 0.0 0 50 100 150(Hz) 0 50 100 150(Hz) The operational frequency of compressor The operational frequency of compressor 0.
0 0 50 100 150(Hz) The operational frequency of compressor 27 OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT <How to operate fixed-frequency operation (Test run operation)> 1. Press the TEST button to COOL or HEAT mode. 2. Test run operation starts and continue to operate for 30 minutes. 3.
Compressor starts at rated frequency in COOL mode or 58Hz in HEAT mode. 4. Indoor fan operates at High speed. 5. @@6.
@@@@@@2 Air flow : High speed 3 Operational frequency : 63Hz(SUZ-KA25VA(H).TH) 73Hz(SUZ-KA35VA(H).TH) 80Hz(SUZ-KA50VA.TH) 87Hz(SUZ-KA60VA.TH) 61Hz(SUZ-KA71VA.TH) SUZ-KA25VA(H).TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 Outdoor low pressure 12 10 8 6 4 2 1.2 1.0 0.

8 0.6 0.4 0.2 15 63Hz Outdoor low pressure Dry-bulb temperature 20 25 30 Relative humidity(%) 50 60 70 SUZ-KA35VA(H).TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 12 10 8 6 4 2 1.2 1.0 0.8 0.6 0.

4 0.2 15 Outdoor low pressure 73Hz SUZ-KA50VA.TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 12 10 8 6 4 2 1.2 1. 0 0.8 0.6 0.4 0.2 15 Outdoor low pressure 80Hz SUZ-KA60VA. TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 12 10 8 6 4 2 1.2 1.0 0.8 0.6 0.4 0.2 15 87Hz 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) SUZ-KA71VA.

TH (kgf/F [Gauge]) (MPa [Gauge]) 14 1.4 Outdoor low pressure 12 10 8 6 4 2 1.

2 1.0 0.8 0.6 0.4 0.2 15 61Hz 25 30 32 35(°C) 18 20 50 60 70 (%) Ambient temperature(°C) Ambient humidity(%) SUZ-KA25VA(H).TH 4 Outdoor unit current(A) Outdoor unit current(A) 63Hz 3.5 5 SUZ-KA35VA(H).TH 10 Outdoor unit current(A) 73Hz 4.5 SUZ-KA50VA.
TH 12 80Hz 9 Outdoor unit current(A) 10 SUZ-KA60VA.TH 87Hz 3 4 8 8 2.5 3.5 7 6 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 2 15 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 3 15 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 6 15 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 4 15 SUZ-KA71VA.TH 12 Outdoor unit current(A) 61Hz 10 8 6 30 32 35(°C) 25 18 20 70 (%) 50 60 Ambient temperature(°C) Ambient humidity(%) 4 15 28 HEAT operation Condition indoor: Dry bulb temperature 20.
0°C Wet bulb temperature 14.5°C Condition outdoor: Dry bulb temperature 2,7,15,20.0°C Wet bulb temperature 1,6,12,14.5°C SUZ-KA25VA(H).TH 4.
0 Outdoor unit current (A) Outdoor unit current (A) 3.5 3.0 2.5 2.0 1.5 1.0 2 5 10 15 20 25(:) 58Hz 4.0 3.5 SUZ-KA35VA(H).TH 7.

0 Outdoor unit current (A) 6.0 5.0 4.0 3.0 2.0 1.0 2 SUZ-KA50VA.TH 7.0 58Hz Outdoor unit current (A) 6.0 5.
0 4.0 3.0 2.0 1.0 2 SUZ-KA60VA.
TH 58Hz 58Hz 3.0 2.5 2.0 1.5 1.
0 2 5 10 15 20 25(:) 5 10 15 20 25(:) 5 10 15 20 25(:) Ambient temperature(°C) Ambient temperature(°C) Ambient temperature(°C) Ambient temperature(°C) SUZ-KA71VA.TH 13.0 Outdoor unit current (A) 12.0 11.0 10.0 9.0 8.0 7.0 2 5 10 15 20 25(:) 58Hz Ambient temperature(°C) 29 PERFORMANCE DATA COOLING operation Rated frequency 58Hz SLZ-KA25VA(L).TH / SUZ-KA25VA.

TH, SUZ-KA25VAH.TH CAPACITY : 2.5(kW) INPUT : 690(W) SHF : 0.86 INDOOR INDOOR D.B.(;) W.B.(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32 NOTE OUTDOOR D.B.(;) 21 25 27 30 SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT 2.
00 0.68 552 2.81 1.91 0.68 580 2.
70 1.84 0.68 607 2.60 1.77 0.
68 635 1.72 0.56 580 2.94 1.65 0.56 614 2.85 1.60 0.56 628 2.75 1.

54 0.56 656 2.12 0.72 552 2.81 2.03 0.72 580 2.70 1.94 0.72 607 2.
60 1.87 0.72 635 1.84 0.60 580 2.
94 1.76 0.60 614 2.85 1.71 0.
60 628 2.75 1.65 0.60 656 1.53 0.48 600 3.08 1.48 0.48 638 3.00 1.

44 0.48 656 2.88 1.38 0.48 683 2.23 0.76 552 2.81 2.14 0.76 580 2.
70 2.05 0.76 607 2.60 1.98 0.
76 635 1.96 0.64 580 2.94 1.88 0.
64 614 2.85 1.82 0.64 628 2.75 1.76 0.64 656 1.66 0.52 600 3.08 1.

60 0.52 638 3.00 1.56 0.52 656 2.88 1.50 0.52 683 2.35 0.80 552 2.
81 2.25 0.80 580 2.70 2.16 0.
80 607 2.60 2.08 0.80 635 2.08 0.
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00 635 2.70 0.88 580 2.94 2.59 0.88 614 2.85 2.51 0.88 628 2.75 2.

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75 1.00 656 2.81 0.88 600 3.08 2.
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23 2.45 0.76 662 3.15 2.39 0.76 683 3.05 2.32 0.76 718 2.21 0.
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11 0.64 718 3.20 2.05 0.64 738 SHF : Sensible heat factor INPUT : Total power input (W) DB : Dry-bulb temperature WB : Wet-bulb temperature Q 2.
94 3.06 2.94 3.06 3.19 2.94 3.06 3.19 2.94 3.06 3.

19 3.35 3.06 3.19 3.35 2.94 3.06 3.19 3.35 3.45 2.
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94 3.06 3.19 3.35 3.45 2.94 3.06 3.19 3.35 3.45 Q : Total capacity (kW) SHC : Sensible heat capacity (kW) 30 PERFORMANCE DATA COOLING operation
Rated frequency 58Hz SLZ-KA25VA(L).
TH / SUZ-KA25VA.TH, SUZ-KA25VAH.TH CAPACITY : 2.5(kW) INPUT : 690(W) SHF : 0.86 INDOOR INDOOR D.
B.(;) W.B.(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32 NOTE OUTDOOR D.B.
(;) 35 40 SHC SHF INPUT Q SHC SHF INPUT 1.67 0.68 676 2.25 1.53 0.68 718 1.44 0.56 704 2.40 1.34 0.

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68 773 1.61 0.56 759 2.70 1.51 0.
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64 821 46 SHF INPUT 0.68 745 0.56 780 0.72 745 0.60 780 0.48 800 0.76 745 0.64 780 0.52 800 0.80 745 0.
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48 828 0.88 745 0.76 780 0.64 800 0.52 828 0.
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68 2.08 2.23 2.38 2.55 2.68 2.08 2.23 2.38 2.55 2.

68 SHC 1.41 1.25 1.49 1.34 1.14 1.58 1.42 1.24 1.66 1.
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22 1.83 1.69 1.52 1.33 1.
07 1.91 1.78 1.62 1.43 1.18 1.99 1.87 1.71 1.53 1.

28 2.08 1.96 1.81 1.63 1.39 2.16 2.05 1.90 1.73 1.
50 2.24 2.14 2.00 1.84 1.
61 2.32 2.23 2.09 1.94 1.
71 Q : Total capacity (kW) SHC : Sensible heat capacity (kW) SHF : Sensible heat factor INPUT : Total power input (W) DB : Dry-bulb temperature WB : Wet-bulb temperature 31 PERFORMANCE DATA COOLING operation Rated frequency 73Hz SLZ-KA35VA(L).TH / SUZ-KA35VA.TH, SUZ-KA35VAH.TH CAPACITY : 3.5(kW) INPUT : 1060(W) SHF : 0.77 INDOOR INDOOR D.B.(;) W.B.(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32 NOTE OUTDOOR D.

B.(;) 21 25 27 30 SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT 2.43 0.59 848 3.94 2.32 0.59 890 3.78 2.23 0.59 933 3.
64 2.15 0.59 975 2.02 0.47 890 4.
11 1.93 0.47 943 3.99 1.88 0.
47 965 3.85 1.81 0.47 1007 2.59 0.63 848 3.94 2.48 0.63 890 3.78 2.

38 0.63 933 3.64 2.29 0.63 975 2.19 0.51 890 4.11 2.10 0.51 943 3.

99 2.03 0.51 965 3.85 1.96 0.
51 1007 1.74 0.39 922 4.31 1.68 0.
39 981 4.20 1.64 0.39 1007 4.03 1.57 0.39 1049 2.76 0.67 848 3.94 2.

64 0.67 890 3.78 2.53 0.67 933 3.64 2.44 0.67 975 2.36 0.55 890 4.
11 2.26 0.55 943 3.99 2.19 0.
55 965 3.85 2.12 0.55 1007 1.92 0.
43 922 4.31 1.85 0.43 981 4.20 1.81 0.43 1007 4.03 1.73 0.43 1049 2.

92 0.71 848 3.94 2.80 0.71 890 3.78 2.68 0.71 933 3.64 2.58 0.
71 975 2.53 0.59 890 4.11 2.43 0.
59 943 3.99 2.35 0.59 965 3.85 2.
27 0.59 1007 2.10 0.47 922 4.31 2.02 0.47 981 4.20 1.97 0.47 1007 4.

03 1.89 0.47 1049 1.64 0.35 965 4.52 1.58 0.35 1018 4.41 1.54 0.
35 1049 4.27 1.49 0.35 1102 2.70 0.
63 890 4.11 2.59 0.63 943 3.99 2.
51 0.63 965 3.85 2.43 0.63 1007 2.28 0.51 922 4.31 2.20 0.51 981 4.

20 2.14 0.51 1007 4.03 2.05 0.51 1049 1.83 0.39 965 4.52 1.76 0.
39 1018 4.41 1.72 0.39 1049 4.27 1.
67 0.39 1102 3.25 0.79 848 3.94 3.
11 0.79 890 3.78 2.99 0.79 933 3.64 2.88 0.79 975 2.87 0.67 890 4.

11 2.76 0.67 943 3.99 2.67 0.67 965 3.85 2.58 0.67 1007 2.45 0.
55 922 4.31 2.37 0.55 981 4.20 2.
31 0.55 1007 4.03 2.21 0.55 1049 2.
02 0.43 965 4.52 1.94 0.43 1018 4.41 1.90 0.43 1049 4.27 1.84 0.

43 1102 1.50 0.31 1018 4.69 1.45 0.31 1071 4.62 1.43 0.31 1102 4.48 1.
39 0.31 1134 3.41 0.83 848 3.94 3.
27 0.83 890 3.78 3.14 0.83 933 3.
64 3.02 0.83 975 3.04 0.71 890 4.11 2.92 0.71 943 3.99 2.83 0.

71 965 3.85 2.73 0.71 1007 2.63 0.59 922 4.31 2.54 0.59 981 4.20 2.
48 0.59 1007 4.03 2.37 0.59 1049 2.
20 0.47 965 4.52 2.12 0.47 1018 4.
41 2.07 0.47 1049 4.27 2.01 0.47 1102 1.69 0.35 1018 4.69 1.64 0.

35 1071 4.62 1.62 0.35 1102 4.48 1.57 0.35 1134 3.58 0.87 848 3.94 3.
43 0.87 890 3.78 3.29 0.87 933 3.
64 3.17 0.87 975 3.22 0.75 890 4.
11 3.08 0.75 943 3.99 2.99 0.75 965 3.85 2.89 0.75 1007 2.81 0.

63 922 4.31 2.71 0.63 981 4.20 2.65 0.63 1007 4.03 2.54 0.63 1049 2.
39 0.51 965 4.52 2.30 0.51 1018 4.
41 2.25 0.51 1049 4.27 2.18 0.
51 1102 1.88 0.39 1018 4.69 1.83 0.39 1071 4.62 1.80 0.39 1102 4.48 1.

75 0.39 1134 3.74 0.91 848 3.94 3.58 0.91 890 3.78 3.44 0.91 933 3.
64 3.31 0.91 975 3.39 0.79 890 4.
11 3.25 0.79 943 3.99 3.15 0.
79 965 3.85 3.04 0.79 1007 2.99 0.67 922 4.31 2.88 0.67 981 4.20 2.

81 0.67 1007 4.03 2.70 0.67 1049 2.58 0.55 965 4.52 2.48 0.55 1018 4.
41 2.43 0.55 1049 4.27 2.35 0.
55 1102 2.08 0.43 1018 4.69 2.02 0.
43 1071 4.62 1.99 0.43 1102 4.48 1.93 0.43 1134 3.91 0.95 848 3.94 3.

74 0.95 890 3.78 3.59 0.95 933 3.64 3.46 0.95 975 3.56 0.83 890 4.
11 3.41 0.83 943 3.99 3.31 0.
83 965 3.85 3.20 0.83 1007 3.17 0.
71 922 4.31 3.06 0.71 981 4.20 2.98 0.71 1007 4.03 2.86 0.71 1049 2.

77 0.59 965 4.52 2.66 0.59 1018 4.41 2.60 0.59 1049 4.27 2.52 0.
59 1102 2.27 0.47 1018 4.69 2.20 0.
47 1071 4.62 2.17 0.47 1102 4.48 2.

11 0.47 1134 4.07 0.99 848 3.94 3.90 0.99 890 3.78 3.74 0.99 933 3.

64 3.60 0.99 975 3.73 0.87 890 4.11 3.58 0.87 943 3.99 3.47 0.
87 965 3.85 3.35 0.87 1007 3.35 0.
75 922 4.31 3.23 0.75 981 4.20 3.
15 0.75 1007 4.03 3.02 0.75 1049 2.95 0.63 965 4.52 2.84 0.63 1018 4.

41 2.78 0.63 1049 4.27 2.69 0.63 1102 2.46 0.51 1018 4.69 2.39 0.
51 1071 4.62 2.36 0.51 1102 4.48 2.
28 0.51 1134 4.24 1.03 848 3.94 4.
06 1.03 890 3.78 3.89 1.03 933 3.64 3.75 1.03 975 3.90 0.91 890 4.

11 3.74 0.91 943 3.99 3.63 0.91 965 3.85 3.50 0.91 1007 3.53 0.
79 922 4.31 3.40 0.79 981 4.20 3.
32 0.79 1007 4.03 3.18 0.79 1049 3.
14 0.67 965 4.52 3.03 0.67 1018 4.41 2.95 0.67 1049 4.27 2.86 0.

67 1102 2.66 0.55 1018 4.69 2.58 0.55 1071 4.62 2.54 0.55 1102 4.48 2.
46 0.55 1134 SHF : Sensible heat factor INPUT : Total power input (W) DB : Dry-bulb temperature WB : Wet-bulb temperature Q 4.11 4.29 4.11 4.
29 4.46 4.11 4.29 4.46 4.
11 4.29 4.46 4.69 4.29 4.46 4.69 4.11 4.29 4.46 4.

69 4.83 4.11 4.29 4.46 4.69 4.83 4.11 4.29 4.46 4.
69 4.83 4.11 4.29 4.46 4.
69 4.83 4.11 4.29 4.46 4.
69 4.83 4.11 4.29 4.46 4.69 4.83 4.11 4.29 4.46 4.

69 4.83 Q : Total capacity (kW) SHC : Sensible heat capacity (kW) 32 PERFORMANCE DATA COOLING operation Rated frequency 73Hz SLZ-KA35VA(L).TH / SUZ-KA35VA.TH, SUZ-KA35VAH.TH CAPACITY : 3.5(kW) INPUT : 1060(W) SHF : 0.77 INDOOR INDOOR D.B.(;) W.B.
(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27
18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32
NOTE OUTDOOR D.B.(;) 35 40 SHC SHF INPUT Q SHC SHF INPUT 2.02 0.59 1039 3.
15 1.86 0.59 1102 1.69 0.47 1081 3.
36 1.58 0.47 1134 2.16 0.63 1039 3.15 1.98 0.63 1102 1.84 0.51 1081 3.

36 1.71 0.51 1134 1.49 0.39 1124 3.57 1.39 0.39 1187 2.30 0.67 1039 3.
15 2.11 0.67 1102 1.98 0.55 1081 3.
36 1.85 0.55 1134 1.64 0.43 1124 3.
57 1.54 0.43 1187 2.44 0.71 1039 3.15 2.24 0.71 1102 2.13 0.59 1081 3.

36 1.98 0.59 1134 1.79 0.47 1124 3.57 1.68 0.47 1187 1.41 0.35 1166 3.
78 1.32 0.35 1219 2.27 0.63 1081 3.
36 2.12 0.63 1134 1.95 0.51 1124 3.
57 1.82 0.51 1187 1.57 0.39 1166 3.78 1.47 0.39 1219 2.71 0.79 1039 3.

15 2.49 0.79 1102 2.42 0.67 1081 3.36 2.25 0.67 1134 2.

10 0.55 1124 3.
57 1.96 0.55 1187 1.73 0.43 1166 3.
78 1.63 0.43 1219 1.31 0.31 1208 3.
99 1.24 0.31 1261 2.85 0.83 1039 3.15 2.61 0.83 1102 2.56 0.71 1081 3.

36 2.39 0.71 1134 2.25 0.59 1124 3.57 2.11 0.59 1187 1.89 0.47 1166 3.
78 1.78 0.47 1219 1.48 0.35 1208 3.
99 1.40 0.35 1261 2.98 0.87 1039 3.
15 2.74 0.87 1102 2.70 0.75 1081 3.36 2.52 0.75 1134 2.40 0.63 1124 3.

57 2.25 0.63 1187 2.05 0.51 1166 3.78 1.93 0.51 1219 1.65 0.39 1208 3.
99 1.56 0.39 1261 3.12 0.91 1039 3.
15 2.87 0.91 1102 2.85 0.79 1081 3.
36 2.65 0.79 1134 2.56 0.67 1124 3.57 2.39 0.67 1187 2.21 0.55 1166 3.

78 2.08 0.55 1219 1.82 0.43 1208 3.99 1.72 0.43 1261 3.26 0.95 1039 3.
15 2.99 0.95 1102 2.99 0.83 1081 3.
36 2.79 0.83 1134 2.71 0.71 1124 3.
57 2.53 0.71 1187 2.37 0.59 1166 3.78 2.23 0.59 1219 1.99 0.47 1208 3.

99 1.88 0.47 1261 3.40 0.99 1039 3.15 3.12 0.99 1102 3.14 0.87 1081 3.
36 2.92 0.87 1134 2.86 0.75 1124 3.
57 2.68 0.75 1187 2.54 0.63 1166 3.
78 2.38 0.63 1219 2.16 0.51 1208 3.99 2.03 0.51 1261 3.53 1.03 1039 3.

15 3.24 1.03 1102 3.28 0.91 1081 3.36 3.06 0.91 1134 3.01 0.79 1124 3.
57 2.82 0.79 1187 2.70 0.67 1166 3.
78 2.53 0.67 1219 2.33 0.55 1208 3.
99 2.19 0.55 1261 46 SHF INPUT 0.59 1145 0.47 1198 0.63 1145 0.51 1198 0.39 1230 0.67 1145 0.55 1198 0.

43 1230 0.71 1145 0.59 1198 0.47 1230 0.35 1272 0.63 1198 0.51 1230 0.39 1272 0.79 1145 0.67 1198 0.
55 1230 0.43 1272 0.31 1314 0.83 1145 0.71 1198 0.
59 1230 0.47 1272 0.35 1314 0.87 1145 0.75 1198 0.
63 1230 0.51 1272 0.39 1314 0.91 1145 0.79 1198 0.67 1230 0.55 1272 0.43 1314 0.95 1145 0.83 1198 0.

71 1230 0.59 1272 0.47 1314 0.99 1145 0.87 1198 0.75 1230 0.63 1272 0.51 1314 1.03 1145 0.91 1198 0.
79 1230 0.67 1272 0.55 1314 Q 3.43 3.61 3.
43 3.61 3.82 3.43 3.61 3.
82 3.43 3.61 3.82 4.03 3.61 3.82 4.03 3.43 3.61 3.

82 4.03 4.24 3.43 3.61 3.82 4.03 4.24 3.43 3.61 3.
82 4.03 4.24 3.43 3.61 3.
82 4.03 4.24 3.43 3.61 3.
82 4.03 4.24 3.43 3.61 3.82 4.03 4.24 3.43 3.61 3.

82 4.03 4.24 Q 2.91 3.12 2.91 3.12 3.33 2.91 3.12 3.
33 2.91 3.12 3.33 3.57 3.
12 3.33 3.57 2.91 3.12 3.
33 3.57 3.75 2.91 3.12 3.33 3.57 3.75 2.91 3.12 3.

33 3.57 3.75 2.91 3.12 3.33 3.57 3.75 2.91 3.12 3.
33 3.57 3.75 2.91 3.12 3.
33 3.57 3.75 2.91 3.12 3.
33 3.57 3.75 SHC 1.71 1.46 1.83 1.59 1.30 1.95 1.71 1.

43 2.06 1.84 1.56 1.25 1.96 1.70 1.39 2.29 2.09 1.
83 1.54 1.16 2.41 2.21 1.
96 1.68 1.31 2.53 2.34 2.
09 1.82 1.46 2.64 2.46 2.23 1.96 1.61 2.76 2.59 2.

36 2.11 1.76 2.88 2.71 2.49 2.25 1.91 2.99 2.83 2.
63 2.39 2.06 Q : Total capacity (kW) SHC : Sensible heat capacity (kW) SHF : Sensible heat factor INPUT : Total power input (W) DB : Dry-bulb temperature WB : Wet-bulb temperature 33 PERFORMANCE DATA COOLING operation Rated frequency 65Hz SLZ-KA50VA(L).TH / SUZ-KA50VA.TH CAPACITY : 4.
6(kW) INPUT : 1630(W) SHF : 0.68 INDOOR INDOOR D.B.(;) W.B.
(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27
18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32

OUTDOOR D.B.(;) 21 25 27 30 SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT 2.70 0.50 1304 5.18 2.59 0.50 1369 4.97 2.48 0.

50 1434 4.78 2.39 0.50 1500 2.14 0.38 1369 5.41 2.05 0.38 1451 5.24 1.
99 0.38 1483 5.06 1.92 0.38 1549 2.
92 0.54 1304 5.18 2.79 0.54 1369 4.
97 2.68 0.54 1434 4.78 2.58 0.54 1500 2.37 0.42 1369 5.41 2.27 0.

42 1451 5.24 2.20 0.42 1483 5.06 2.13 0.42 1549 1.76 0.30 1418 5.66 1.
70 0.30 1508 5.52 1.66 0.30 1549 5.
29 1.59 0.30 1614 3.13 0.58 1304 5.
18 3.00 0.58 1369 4.97 2.88 0.58 1434 4.78 2.77 0.58 1500 2.59 0.

46 1369 5.41 2.49 0.46 1451 5.24 2.41 0.46 1483 5.06 2.33 0.46 1549 1.
99 0.34 1418 5.66 1.92 0.34 1508 5.
52 1.88 0.34 1549 5.29 1.80 0.
34 1614 3.35 0.62 1304 5.18 3.21 0.62 1369 4.97 3.08 0.62 1434 4.78 2.

97 0.62 1500 2.82 0.50 1369 5.41 2.70 0.50 1451 5.24 2.62 0.50 1483 5.
06 2.53 0.50 1549 2.23 0.38 1418 5.
66 2.15 0.38 1508 5.52 2.10 0.
38 1549 5.29 2.01 0.38 1614 1.60 0.26 1483 5.93 1.54 0.26 1565 5.80 1.

51 0.26 1614 5.61 1.46 0.26 1695 3.04 0.54 1369 5.41 2.92 0.54 1451 5.
24 2.83 0.54 1483 5.06 2.73 0.
54 1549 2.46 0.42 1418 5.66 2.38 0.
42 1508 5.52 2.32 0.42 1549 5.29 2.22 0.42 1614 1.85 0.30 1483 5.93 1.

78 0.30 1565 5.80 1.74 0.30 1614 5.61 1.68 0.30 1695 3.78 0.70 1304 5.
18 3.62 0.70 1369 4.97 3.48 0.
70 1434 4.78 3.35 0.70 1500 3.27 0.
58 1369 5.41 3.13 0.58 1451 5.24 3.04 0.58 1483 5.06 2.93 0.58 1549 2.

70 0.46 1418 5.66 2.60 0.46 1508 5.52 2.54 0.46 1549 5.29 2.43 0.
46 1614 2.10 0.34 1483 5.93 2.02 0.
34 1565 5.80 1.97 0.34 1614 5.61 1.
91 0.34 1695 1.40 0.22 1565 6.16 1.36 0.22 1646 6.07 1.34 0.22 1695 5.

89 1.30 0.22 1744 4.00 0.74 1304 5.18 3.83 0.74 1369 4.97 3.68 0.
74 1434 4.78 3.54 0.74 1500 3.49 0.
62 1369 5.41 3.35 0.62 1451 5.24 3.
25 0.62 1483 5.06 3.14 0.62 1549 2.93 0.50 1418 5.66 2.83 0.50 1508 5.

52 2.76 0.50 1549 5.29 2.65 0.50 1614 2.34 0.38 1483 5.93 2.25 0.
38 1565 5.80 2.20 0.38 1614 5.61 2.
13 0.38 1695 1.65 0.26 1565 6.16 1.
60 0.26 1646 6.07 1.58 0.26 1695 5.89 1.53 0.26 1744 4.22 0.78 1304 5.

18 4.04 0.78 1369 4.97 3.88 0.78 1434 4.78 3.73 0.78 1500 3.72 0.
66 1369 5.41 3.57 0.66 1451 5.24 3.
46 0.66 1483 5.06 3.34 0.66 1549 3.
17 0.54 1418 5.66 3.06 0.54 1508 5.52 2.98 0.54 1549 5.29 2.86 0.

54 1614 2.59 0.42 1483 5.93 2.49 0.42 1565 5.80 2.43 0.42 1614 5.61 2.
36 0.42 1695 1.90 0.30 1565 6.16 1.
85 0.30 1646 6.07 1.82 0.30 1695 5.
89 1.77 0.30 1744 4.43 0.82 1304 5.18 4.24 0.82 1369 4.97 4.07 0.

82 1434 4.78 3.92 0.82 1500 3.94 0.70 1369 5.41 3.78 0.70 1451 5.24 3.
67 0.70 1483 5.06 3.54 0.70 1549 3.
40 0.58 1418 5.66 3.28 0.58 1508 5.
52 3.20 0.58 1549 5.29 3.07 0.58 1614 2.84 0.46 1483 5.93 2.73 0.

46 1565 5.80 2.67 0.46 1614 5.61 2.58 0.46 1695 2.16 0.34 1565 6.16 2.
10 0.34 1646 6.07 2.06 0.34 1695 5.
89 2.00 0.34 1744 4.65 0.86 1304 5.
18 4.45 0.86 1369 4.97 4.27 0.86 1434 4.78 4.11 0.86 1500 4.17 0.

74 1369 5.41 4.00 0.74 1451 5.24 3.88 0.74 1483 5.06 3.74 0.74 1549 3.
64 0.62 1418 5.66 3.51 0.62 1508 5.
52 3.42 0.62 1549 5.29 3.28 0.
62 1614 3.08 0.50 1483 5.93 2.97 0.50 1565 5.80 2.90 0.50 1614 5.61 2.

81 0.50 1695 2.41 0.38 1565 6.16 2.34 0.38 1646 6.07 2.31 0.38 1695 5.
89 2.24 0.38 1744 4.86 0.90 1304 5.
18 4.66 0.90 1369 4.97 4.47 0.
90 1434 4.78 4.31 0.90 1500 4.40 0.78 1369 5.41 4.22 0.78 1451 5.24 4.

09 0.78 1483 5.06 3.95 0.78 1549 3.87 0.66 1418 5.66 3.73 0.66 1508 5.
52 3.64 0.66 1549 5.29 3.49 0.
66 1614 3.33 0.54 1483 5.93 3.20 0.
54 1565 5.80 3.13 0.54 1614 5.61 3.03 0.54 1695 2.67 0.42 1565 6.16 2.

59 0.42 1646 6.07 2.55 0.42 1695 5.89 2.47 0.42 1744 5.08 0.94 1304 5.
18 4.86 0.94 1369 4.97 4.67 0.
94 1434 4.78 4.50 0.94 1500 4.62 0.
82 1369 5.41 4.43 0.82 1451 5.24 4.30 0.82 1483 5.06 4.15 0.82 1549 4.

11 0.70 1418 5.66 3.96 0.70 1508 5.52 3.86 0.70 1549 5.29 3.70 0.
70 1614 3.58 0.58 1483 5.93 3.44 0.
58 1565 5.80 3.36 0.58 1614 5.61 3.
25 0.58 1695 2.92 0.46 1565 6.16 2.84 0.46 1646 6.07 2.79 0.46 1695 5.

89 2.71 0.46 1744 Q 5.41 5.64 5.41 5.64 5.87 5.41 5.64 5.
87 5.41 5.64 5.87 6.16 5.
64 5.87 6.16 5.41 5.64 5.
87 6.16 6.35 5.41 5.64 5.87 6.16 6.35 5.41 5.64 5.

87 6.16 6.35 5.41 5.64 5.87 6.16 6.35 5.41 5.64 5.
87 6.16 6.35 5.41 5.64 5.
87 6.16 6.35 5.41 5.64 5.
87 6.16 6.35 34 PERFORMANCE DATA COOLING operation Rated frequency 65Hz SLZ-KA50VA(L).TH / SUZ-KA50VA.TH CAPACITY : 4.6(kW) INPUT : 1630(W) SHF : 0.68 INDOOR INDOOR D.B.(;) W.B.

(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32 OUTDOOR D.B.(;) 35 40 SHC SHF INPUT Q SHC SHF INPUT 2.25 0.50 1597 4.14 2.07 0.50 1695 1.80 0.38 1663 4.
42 1.68 0.38 1744 2.43 0.54 1597 4.
14 2.24 0.54 1695 1.99 0.42 1663 4.
42 1.85 0.42 1744 1.50 0.30 1728 4.69 1.41 0.30 1826 2.61 0.58 1597 4.

14 2.40 0.58 1695 2.18 0.46 1663 4.42 2.03 0.46 1744 1.70 0.34 1728 4.
69 1.60 0.34 1826 2.79 0.62 1597 4.
14 2.57 0.62 1695 2.37 0.50 1663 4.

42 2.21 0.50 1744 1.91 0.38 1728 4.69 1.78 0.38 1826 1.38 0.26 1793 4.

97 1.29 0.26 1875 2.56 0.54 1663 4.42 2.38 0.54 1744 2.11 0.42 1728 4.
69 1.97 0.42 1826 1.59 0.30 1793 4.
97 1.49 0.30 1875 3.16 0.70 1597 4.
14 2.90 0.70 1695 2.75 0.58 1663 4.42 2.56 0.58 1744 2.31 0.46 1728 4.

69 2.16 0.46 1826 1.80 0.34 1793 4.97 1.69 0.34 1875 1.22 0.22 1858 5.
24 1.15 0.22 1940 3.34 0.74 1597 4.
14 3.06 0.74 1695 2.94 0.62 1663 4.
42 2.74 0.62 1744 2.51 0.50 1728 4.69 2.35 0.50 1826 2.01 0.38 1793 4.

97 1.89 0.38 1875 1.45 0.26 1858 5.24 1.36 0.26 1940 3.52 0.78 1597 4.
14 3.23 0.78 1695 3.13 0.66 1663 4.
42 2.91 0.66 1744 2.71 0.54 1728 4.
69 2.53 0.54 1826 2.22 0.42 1793 4.97 2.09 0.42 1875 1.67 0.30 1858 5.

24 1.57 0.30 1940 3.70 0.82 1597 4.14 3.39 0.82 1695 3.32 0.70 1663 4.
42 3.09 0.70 1744 2.91 0.58 1728 4.
69 2.72 0.58 1826 2.43 0.46 1793 4.
97 2.29 0.46 1875 1.89 0.34 1858 5.24 1.78 0.34 1940 3.88 0.86 1597 4.

14 3.56 0.86 1695 3.51 0.74 1663 4.42 3.27 0.74 1744 3.11 0.62 1728 4.
69 2.91 0.62 1826 2.65 0.50 1793 4.
97 2.48 0.50 1875 2.12 0.38 1858 5.
24 1.99 0.38 1940 4.06 0.90 1597 4.14 3.73 0.90 1695 3.70 0.78 1663 4.

42 3.44 0.78 1744 3.31 0.66 1728 4.69 3.10 0.66 1826 2.86 0.54 1793 4.
97 2.68 0.54 1875 2.34 0.42 1858 5.
24 2.20 0.42 1940 4.24 0.94 1597 4.
14 3.89 0.94 1695 3.89 0.82 1663 4.42 3.62 0.82 1744 3.51 0.70 1728 4.

69 3.28 0.70 1826 3.07 0.58 1793 4.97 2.88 0.58 1875 2.56 0.46 1858 5.
24 2.41 0.46 1940 46 SHF INPUT 0.50 1760 0.38 1842 0.
54 1760 0.42 1842 0.30 1891 0.58 1760 0.46 1842 0.
34 1891 0.62 1760 0.50 1842 0.38 1891 0.26 1956 0.54 1842 0.42 1891 0.30 1956 0.70 1760 0.58 1842 0.

46 1891 0.34 1956 0.22 2021 0.74 1760 0.62 1842 0.50 1891 0.38 1956 0.26 2021 0.78 1760 0.66 1842 0.
54 1891 0.42 1956 0.30 2021 0.82 1760 0.70 1842 0.
58 1891 0.46 1956 0.34 2021 0.86 1760 0.74 1842 0.
62 1891 0.50 1956 0.38 2021 0.90 1760 0.78 1842 0.66 1891 0.54 1956 0.42 2021 0.94 1760 0.82 1842 0.

70 1891 0.58 1956 0.46 2021 Q 4.51 4.74 4.51 4.74 5.01 4.51 4.74 5.
01 4.51 4.74 5.01 5.29 4.
74 5.01 5.29 4.51 4.74 5.
01 5.29 5.57 4.51 4.74 5.01 5.29 5.57 4.51 4.74 5.

01 5.29 5.57 4.51 4.74 5.01 5.29 5.57 4.51 4.74 5.
01 5.29 5.57 4.51 4.74 5.
01 5.29 5.57 4.51 4.74 5.
01 5.29 5.57 Q 3.82 4.09 3.82 4.09 4.37 3.82 4.09 4.

37 3.82 4.09 4.37 4.69 4.09 4.37 4.69 3.82 4.09 4.
37 4.69 4.92 3.82 4.09 4.
37 4.69 4.92 3.82 4.09 4.
37 4.69 4.92 3.82 4.09 4.37 4.69 4.92 3.82 4.09 4.

37 4.69 4.92 3.82 4.09 4.37 4.69 4.92 3.82 4.09 4.
37 4.69 4.92 SHC 1.91 1.56 2.
06 1.72 1.31 2.21 1.88 1.
49 2.37 2.05 1.66 1.22 2.21 1.84 1.41 2.67 2.37 2.

01 1.60 1.08 2.83 2.54 2.19 1.78 1.28 2.98 2.70 2.
36 1.97 1.48 3.13 2.87 2.
53 2.16 1.67 3.28 3.03 2.
71 2.35 1.87 3.44 3.19 2.88 2.53 2.07 3.59 3.36 3.

06 2.72 2.26 35 PERFORMANCE DATA COOLING operation Rated frequency 63Hz SEZ-KC25VA.W / SUZ-KA25VA.TH, SUZ-KA25VAH.TH CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.74 INDOOR INDOOR D.B.(;) W.
B.(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32
NOTE OUTDOOR D.B.(;) 21 25 27 30 SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT Q SHC SHF INPUT 1.65 0.
56 584 2.81 1.58 0.56 613 2.70 1.
51 0.56 642 2.60 1.46 0.56 672 1.35 0.44 613 2.94 1.29 0.44 650 2.

85 1.25 0.44 664 2.75 1.21 0.44 694 1.76 0.60 584 2.81 1.69 0.
60 613 2.70 1.62 0.60 642 2.60 1.
56 0.60 672 1.47 0.48 613 2.94 1.
41 0.48 650 2.85 1.37 0.48 664 2.75 1.32 0.48 694 1.15 0.36 635 3.

08 1.11 0.36 675 3.00 1.08 0.36 694 2.88 1.04 0.36 723 1.88 0.
64 584 2.81 1.80 0.64 613 2.70 1.
73 0.64 642 2.60 1.66 0.64 672 1.
59 0.52 613 2.94 1.53 0.52 650 2.85 1.48 0.52 664 2.75 1.43 0.

52 694 1.28 0.40 635 3.08 1.23 0.40 675 3.00 1.20 0.40 694 2.88 1.
15 0.40 723 2.00 0.68 584 2.81 1.
91 0.68 613 2.70 1.84 0.68 642 2.
60 1.77 0.68 672 1.72 0.56 613 2.94 1.65 0.56 650 2.85 1.60 0.

56 664 2.75 1.54 0.56 694 1.40 0.44 635 3.08 1.35 0.44 675 3.00 1.
32 0.44 694 2.88 1.27 0.44 723 1.
07 0.32 664 3.23 1.03 0.32 701 3.
15 1.01 0.32 723 3.05 0.98 0.32 759 1.84 0.60 613 2.94 1.76 0.

60 650 2.85 1.71 0.60 664 2.75 1.65 0.60 694 1.53 0.48 635 3.08 1.
48 0.48 675 3.00 1.44 0.48 694 2.
88 1.38 0.48 723 1.21 0.36 664 3.
23 1.16 0.36 701 3.15 1.13 0.36 723 3.05 1.10 0.36 759 2.23 0.

76 584 2.81 2.14 0.76 613 2.70 2.05 0.76 642 2.60 1.98 0.76 672 1.
96 0.64 613 2.94 1.88 0.64 650 2.
85 1.82 0.64 664 2.75 1.76 0.
64 694 1.66 0.52 635 3.08 1.60 0.52 675 3.00 1.56 0.52 694 2.88 1.

50 0.52 723 1.34 0.40 664 3.23 1.29 0.40 701 3.15 1.26 0.40 723 3.
05 1.22 0.40 759 0.97 0.28 701 3.
35 0.94 0.28 737 3.30 0.92 0.
28 759 3.20 0.90 0.28 781 2.35 0.80 584 2.81 2.25 0.80 613 2.70 2.

16 0.80 642 2.60 2.08 0.80 672 2.08 0.68 613 2.94 2.00 0.68 650 2.
85 1.94 0.68 664 2.75 1.87 0.
68 694 1.79 0.56 635 3.08 1.72 0.
56 675 3.00 1.68 0.56 694 2.88 1.61 0.56 723 1.47 0.44 664 3.23 1.

42 0.44 701 3.15 1.39 0.44 723 3.05 1.34 0.44 759 1.10 0.32 701 3.
35 1.07 0.32 737 3.30 1.06 0.
32 759 3.20 1.02 0.32 781 2.47 0.
84 584 2.81 2.36 0.84 613 2.70 2.27 0.84 642 2.60 2.18 0.84 672 2.

21 0.72 613 2.94 2.12 0.72 650 2.85 2.05 0.72 664 2.75 1.98 0.
72 694 1.91 0.60 635 3.08 1.85 0.
60 675 3.00 1.80 0.60 694 2.88 1.
73 0.60 723 1.61 0.48 664 3.23 1.55 0.48 701 3.15 1.51 0.48 723 3.

05 1.46 0.48 759 1.24 0.36 701 3.35 1.21 0.36 737 3.30 1.19 0.
36 759 3.20 1.15 0.36 781 2.59 0.
88 584 2.81 2.48 0.88 613 2.70 2.
38 0.88 642 2.60 2.29 0.88 672 2.33 0.76 613 2.94 2.23 0.76 650 2.

85 2.17 0.76 664 2.75 2.09 0.76 694 2.04 0.64 635 3.08 1.97 0.
64 675 3.00 1.92 0.64 694 2.88 1.
84 0.64 723 1.74 0.52 664 3.23 1.
68 0.52 701 3.15 1.64 0.52 723 3.05 1.59 0.52 759 1.38 0.40 701 3.

35 1.34 0.40 737 3.30 1.32 0.40 759 3.20 1.28 0.40 781 2.70 0.
92 584 2.81 2.59 0.92 613 2.70 2.
48 0.92 642 2.60 2.39 0.92 672 2.
45 0.80 613 2.94 2.35 0.80 650 2.85 2.28 0.80 664 2.75 2.20 0.

80 694 2.17 0.68 635 3.08 2.09 0.68 675 3.00 2.04 0.68 694 2.88 1.
96 0.68 723 1.88 0.56 664 3.23 1.
81 0.56 701 3.15 1.76 0.56 723 3.
05 1.71 0.56 759 1.52 0.44 701 3.35 1.47 0.44 737 3.30 1.45 0.

44 759 3.20 1.41 0.44 781 2.82 0.96 584 2.81 2.70 0.96 613 2.70 2.
59 0.96 642 2.60 2.50 0.96 672 2.
57 0.84 613 2.94 2.47 0.84 650 2.
85 2.39 0.84 664 2.75 2.31 0.84 694 2.30 0.72 635 3.08 2.21 0.

72 675 3.00 2.16 0.72 694 2.88 2.07 0.72 723 2.01 0.60 664 3.23 1.
94 0.60 701 3.15 1.89 0.60 723 3.
05 1.83 0.60 759 1.66 0.48 701 3.
35 1.61 0.48 737 3.30 1.58 0.48 759 3.20 1.54 0.48 781 2.94 1.

00 584 2.81 2.81 1.00 613 2.70 2.70 1.00 642 2.60 2.60 1.00 672 2.
70 0.88 613 2.94 2.59 0.88 650 2.
85 2.51 0.88 664 2.75 2.42 0.
88 694 2.42 0.76 635 3.08 2.34 0.76 675 3.00 2.28 0.76 694 2.88 2.

19 0.76 723 2.14 0.64 664 3.23 2.06 0.64 701 3.15 2.02 0.64 723 3.
05 1.95 0.64 759 1.79 0.52 701 3.
35 1.74 0.52 737 3.30 1.72 0.
52 759 3.20 1.66 0.52 781 SHF : Sensible heat factor INPUT : Total power input (W) DB : Dry-bulb temperature WB : Wet-bulb temperature Q 2.94 3.06 2.94 3.06 3.19 2.94 3.

06 3.19 2.94 3.06 3.19 3.35 3.06 3.19 3.35 2.94 3.
06 3.19 3.35 3.45 2.94 3.
06 3.19 3.35 3.45 2.94 3.
06 3.19 3.35 3.45 2.94 3.06 3.19 3.35 3.45 2.94 3.

06 3.19 3.35 3.45 2.94 3.06 3.19 3.35 3.45 2.94 3.
06 3.19 3.35 3.45 Q : Total capacity (kW) SHC : Sensible heat capacity (kW) 36 PERFORMANCE DATA COOLING operation Rated frequency 63Hz SEZ-KC25VA.W / SUZ-KA25VA.
TH, SUZ-KA25VAH.TH CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.74 INDOOR INDOOR D.B.
(;) W.B.(;) 18 21 20 21 18 22 20 22 22 22 18 23 20 23 22 23 18 24 20 24 22 24 24 24 20 25 22 25 24 25 18 26 20 26 22 26 24 26 26 26 18 27 20 27 22 27 24 27 26 27 18 28 20 28 22 28 24 28 26 28 18 29 20 29 22 29 24 29 26 29 18 30 20 30 22 30 24 30 26 30 18 31 20 31 22 31 24 31 26 31 18 32 20 32 22 32 24 32 26 32 NOTE OUTDOOR D.B.(;) 35 40 SHC SHF INPUT Q SHC SHF INPUT 1.37 0.56 715 2.25 1.26 0.56 759 1.

13 0.44 745 2.40 1.06 0.44 781 1.47 0.60 715 2.25 1.35 0.60 759 1.
24 0.48 745 2.40 1.15 0.48 781 0.
98 0.36 774 2.55 0.92 0.36 818 1.
57 0.64 715 2.25 1.44 0.64 759 1.34 0.52 745 2.40 1.25 0.52 781 1.

09 0.40 774 2.55 1.02 0.40 818 1.67 0.