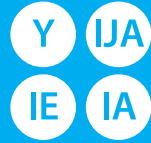




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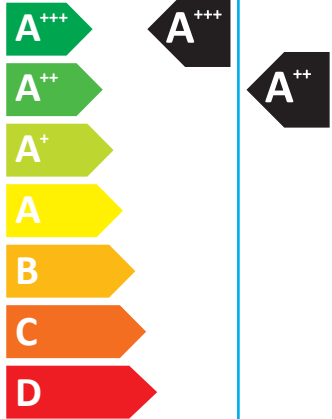
Model Indoor unit **MSZ-AP50VG**
Outdoor unit **MUZ-AP50VG**

SEER



kW **5,0**
SEER **7,4**
kWh/annum **236**

SCOP



| | | | |
|-----------|------------|-------------|---|
| kW | 2,3 | 4,2 | X |
| SCOP | 5,9 | 4,7 | X |
| kWh/annum | 543 | 1250 | X |



58dB



64dB



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626/2011

JG79J029H01



| Model | Indoor unit | | MSZ-AP25VG | | MSZ-AP35VG | | MSZ-AP42VG | | MSZ-AP50VG | | |
|-------------------------------------|---|---|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | Outdoor unit | | MUZ-AP25VG | MUZ-AP25VGH | MUZ-AP35VG | MUZ-AP35VGH | MUZ-AP42VG | MUZ-AP42VGH | MUZ-AP50VG | MUZ-AP50VGH | |
| Sound power levels on cooling mode | Inside | dB | 57 | 57 | 57 | 57 | 57 | 57 | 58 | 58 | |
| | Out-side | dB | 59 | 59 | 61 | 61 | 61 | 61 | 64 | 64 | |
| Refrigerant | R32 GWP 550 *1 | | | | | | | | | | |
| Cooling | SEER | | 8,6 | 8,6 | 8,6 | 8,6 | 7,8 | 7,8 | 7,4 | 7,4 | |
| | Energy efficiency class | | A+++ | A+++ | A+++ | A+++ | A++ | A++ | A++ | A++ | |
| | Annual electricity consumption *2 kWh/a | | 101 | 101 | 142 | 142 | 188 | 188 | 236 | 236 | |
| | Design load kw | | 2,5 | 2,5 | 3,5 | 3,5 | 4,2 | 4,2 | 5,0 | 5,0 | |
| Heating (Average / Warmer / season) | SCOP | | 4,8 / 5,8 | 4,7 / 5,8 | 4,7 / 5,9 | 4,6 / 5,9 | 4,7 / 5,9 | 4,6 / 5,9 | 4,7 / 5,9 | 4,6 / 5,9 | |
| | Energy efficiency class | | A++ / A+++ | A++ / A+++ | A++ / A+++ | A++ / A+++ | A++ / A+++ | A++ / A+++ | A++ / A+++ | A++ / A+++ | |
| | Annual electricity consumption *2 kWh/a | | 698 / 310 | 703 / 310 | 862 / 377 | 873 / 377 | 1120 / 491 | 1134 / 491 | 1250 / 543 | 1275 / 543 | |
| | Design load kw | | 2,4 / 1,3 | 2,4 / 1,3 | 2,9 / 1,6 | 2,9 / 1,6 | 3,8 / 2,1 | 3,8 / 2,1 | 4,2 / 2,3 | 4,2 / 2,3 | |
| | De-cleared capacity | at reference design temperature at bivalent temperature | kw | 2,4(-10°C) / 1,3(2°C) | 2,4(-10°C) / 1,3(2°C) | 2,9(-10°C) / 1,6(2°C) | 2,9(-10°C) / 1,6(2°C) | 3,8(-10°C) / 2,1(2°C) | 3,8(-10°C) / 2,1(2°C) | 4,2(-10°C) / 4,2(2°C) | 4,2(-10°C) / 4,2(2°C) |
| | | at operation limit temperature | kw | 2,4(-15°C) / 2,4(-15°C) | 2,2(-20°C) / 2,2(-20°C) | 2,6(-15°C) / 2,6(-15°C) | 2,4(-20°C) / 2,4(-20°C) | 4,2(-15°C) / 4,2(-15°C) | 3,8(-20°C) / 3,8(-20°C) | 4,7(-15°C) / 4,7(-15°C) | 4,2(-20°C) / 4,2(-20°C) |
| Back up heating capacity | | kw | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | 0,0(-10°C) / 0,0(2°C) | |

| | Deutsch | Italiano | Svenska | Polski | Eesti | Malti | Русский |
|-------------|--------------------|---------------|--------------|----------------------|-------------|--------------------|-------------------|
| Model | Modell | Modello | Modell | Model | Mudel | Mudell | Модель |
| Innengerät | Appareil intérieur | Unità interna | Inomhusenhet | Jednostka wewnętrzna | Siseseade | Unità għal ġewwa | Внутренний прибор |
| Außengerät | Modèle extérieur | Unità esterna | Utomhusenhet | Jednostka zewnętrzna | Väliseseade | Unità għal barra | Наружный прибор |
| Refrigerant | Refrigerante | Refrigerante | Kølemiddel | Refrigerant | Šaldalás | Rashladno sredstvo | Хладагент |

| | Deutsch | Italiano | Svenska | Polski | Eesti | Malti | Русский |
|---|--|---|---------------------------------------|--|---|--|---|
| Kühlen / Refroidissement / Koelen / Refrigeración | Deutsch | Italiano | Svenska | Polski | Eesti | Malti | Русский |
| | Français | Ελληνικά | Česky | Slovensko | Gaeilge | Suomi | Норск |
| Energieeffizienzklasse | Classe d'efficacité énergétique | Κλάση ενεργειακής απόδοσης | Třída energetické účinnosti | Razred energetske učinkovitosti | Aicme éifeachtúlachta fuinnimh | Energiatohkkuusluokka | Класс эффективности использования энергии |
| | Energieeffizienzklasse | Κλάση ενεργειακής απόδοσης | Třída energetické účinnosti | Razred energetske učinkovitosti | Aicme éifeachtúlachta fuinnimh | Energiatohkkuusluokka | Класс эффективности использования энергии |
| Jahresstromverbrauch *2 | Consumption annuelle d'électricité annuelle *2 | Ετήσια κατανάλωση ρεύματος *2 | Roční spotřeba elektrické energie *2 | Letna poraba elektrike *2 | Ídiú leictreachais bhliantúil *2 | Vuotuinen sähkönkulutus *2 | Анлі годовае спажыванне электраэнергіі *2 |
| | Consumo anual de electricidad *2 | Ανάλογη ενέργεια / αναφοράς | Roční spotřeba elektrické energie *2 | Letna poraba elektrike *2 | Ídiú leictreachais bhliantúil *2 | Vuotuinen sähkönkulutus *2 | Анлі годовае спажыванне электраэнергіі *2 |
| Lastauslegung / Charge de calcul / Ontwerpbelasting / Carga de diseño | Carico nominale | Σχεδιασμός φόρτισης | Dimensionierende belastning | Maksymalne obciążenie | Projektteeritud koormus | Tagħbija tad-disinn | Расчетная нагрузка |
| | Carica nominale | Σχεδιασμός φόρτισης | Dimensionierende belastning | Maksymalne obciążenie | Projektteeritud koormus | Tagħbija tad-disinn | Расчетная нагрузка |
| Heizen (Jahresdurchschnitt / wärmeres Wetter) | Chauffage (moyenne saison / saison chaude) | Θέρμανση (Εποχή με μέσες / υψηλότερες θερμοκρασίες) | Topení (průměrná/teplá sezóna) | Ogrevanje (Povprečni/toplejši letni čas) | Téamh (Séasúr Meánach / Níos teo) | Lämmitys (Normaali / Lämpimämpi kausi) | Oppvarming (gjennomsnittlig / varmere årstid) |
| | Verwarmen (gemiddeld / warmer seizoen) | Θέρμανση (Εποχή με μέσες / υψηλότερες θερμοκρασίες) | Topení (průměrná/teplá sezóna) | Ogrevanje (Povprečni/toplejši letni čas) | Téamh (Séasúr Meánach / Níos teo) | Lämmitys (Normaali / Lämpimämpi kausi) | Oppvarming (gjennomsnittlig / varmere årstid) |
| Nennkapazität / Capacité déclarée / Aangegeven capaciteit / Capacidad declarada | Capacité déclarée | Δηλωμένη χωρητικότητα | Udáváná kapacita | Prijavljena zmogljivost | Toilleadh fógartha | Ilmoitettu teho | Erklært kapasitet |
| | Capacité déclarée | Δηλωμένη χωρητικότητα | Udáváná kapacita | Prijavljena zmogljivost | Toilleadh fógartha | Ilmoitettu teho | Erklært kapasitet |
| bei angegebener Referenztemperatur / à la température de calcul de référence | alla temperatura di progetto di riferimento | σε θερμοκρασία σχεδιασμού αναφοράς | vid dimensionerande referenstempertur | w znamionowej temperaturze odniesienia | projekteerimise võrdlustemperatuur juures | f'temperatura tad-disinn ta' referenza | при эталонной расчетной температуре |
| | alla temperatura di progetto di riferimento | σε θερμοκρασία σχεδιασμού αναφοράς | vid dimensionerande referenstempertur | w znamionowej temperaturze odniesienia | projekteerimise võrdlustemperatuur juures | f'temperatura tad-disinn ta' referenza | при эталонной расчетной температуре |
| a temperatura de diseño de referencia | alla temperatura di progetto di riferimento | σε θερμοκρασία σχεδιασμού αναφοράς | vid dimensionerande referenstempertur | w znamionowej temperaturze odniesienia | projekteerimise võrdlustemperatuur juures | f'temperatura tad-disinn ta' referenza | при эталонной расчетной температуре |
| | alla temperatura di progetto di riferimento | σε θερμοκρασία σχεδιασμού αναφοράς | vid dimensionerande referenstempertur | w znamionowej temperaturze odniesienia | projekteerimise võrdlustemperatuur juures | f'temperatura tad-disinn ta' referenza | при эталонной расчетной температуре |
| bei bivalenter Temperatur / à température bivalente | alla temperatura bivalente | σε θερμοκρασία διθενοούς λειτουργίας | vid bivalent temperatur | w temperaturze bivalentnej | bivalentse temperatuur juures | f'temperatura bivalenti | при бивалентной температуре |
| | alla temperatura bivalente | σε θερμοκρασία διθενοούς λειτουργίας | vid bivalent temperatur | w temperaturze bivalentnej | bivalentse temperatuur juures | f'temperatura bivalenti | при бивалентной температуре |
| bij bivalente temperatuur / a temperatura bivalente | alla temperatura bivalente | σε θερμοκρασία διθενοούς λειτουργίας | vid bivalent temperatur | w temperaturze bivalentnej | bivalentse temperatuur juures | f'temperatura bivalenti | при бивалентной температуре |
| | alla temperatura bivalente | σε θερμοκρασία διθενοούς λειτουργίας | vid bivalent temperatur | w temperaturze bivalentnej | bivalentse temperatuur juures | f'temperatura bivalenti | при бивалентной температуре |
| bei Temperatur an der Betrieb-sgrenze / à température de fonctionnement limite | alla temperatura limite di funzionamento | σε θερμοκρασία ορίου λειτουργίας | vid driftstemperaturens gränsvärde | w granicznej temperaturze roboczej | töötamise piirtemperatuur juures | f'temperatura tal-limitu tad-thaddim | при предельной рабочей температуре |
| | alla temperatura limite di funzionamento | σε θερμοκρασία ορίου λειτουργίας | vid driftstemperaturens gränsvärde | w granicznej temperaturze roboczej | töötamise piirtemperatuur juures | f'temperatura tal-limitu tad-thaddim | при предельной рабочей температуре |
| a temperatura límite de funcionamiento | alla temperatura limite di funzionamento | σε θερμοκρασία ορίου λειτουργίας | vid driftstemperaturens gränsvärde | w granicznej temperaturze roboczej | töötamise piirtemperatuur juures | f'temperatura tal-limitu tad-thaddim | при предельной рабочей температуре |
| | alla temperatura limite di funzionamento | σε θερμοκρασία ορίου λειτουργίας | vid driftstemperaturens gränsvärde | w granicznej temperaturze roboczej | töötamise piirtemperatuur juures | f'temperatura tal-limitu tad-thaddim | при предельной рабочей температуре |
| Backup-Heizleistung | Capacità di riscaldamento ad-dizionale | Καπακίτεια επεξεργασίας | Kapacitet för reservvärme | Zaprasowa pojemność grzewcza | Tagavara kütte võimsus | Kapacità tad-tishin ta' sostenn | Резервная тепловая мощность |
| | Capacità di riscaldamento ad-dizionale | Καπακίτεια επεξεργασίας | Kapacitet för reservvärme | Zaprasowa pojemność grzewcza | Tagavara kütte võimsus | Kapacità tad-tishin ta' sostenn | Резервная тепловая мощность |
| Reserveverwarmingcapaciteit | Capacitate de aquecimento de reserva | Αποθεματικό θερμότητας | Výkon záložního vykurovacieho telesa | Мощность на спомогателно електрическо подгряване | Rezerves silditaja jauda | Yedek istma kapasitesi | Резервна тепла потужність |
| | Capacitate de aquecimento de reserva | Αποθεματικό θερμότητας | Výkon záložního vykurovacieho telesa | Мощность на спомогателно електрическо подгряване | Rezerves silditaja jauda | Yedek istma kapasitesi | Резервна тепла потужність |
| Capacidad de calefacción auxiliar | Reserveverwarmingcapaciteit | Αποθεματικό θερμότητας | Kisegítő fűtési teljesítmény | Saracitate de încălzire de siguranță | Pagalbinio šildymo pajėgumas | Kapacitet rezervnog grijanja | |
| | Reserveverwarmingcapaciteit | Αποθεματικό θερμότητας | Kisegítő fűtési teljesítmény | Saracitate de încălzire de siguranță | Pagalbinio šildymo pajėgumas | Kapacitet rezervnog grijanja | |

PRODUCT INFORMATION (*)

| | | |
|----------------------|---------------|------------|
| ROOM AIR CONDITIONER | INDOOR MODEL | MSZ-AP50VG |
| | OUTDOOR MODEL | MUZ-AP50VG |

| | |
|--------------------------------|---|
| Function (indicate if present) | |
| cooling | Y |
| heating | Y |

| | |
|--|---|
| If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'. | |
| Average (mandatory) | Y |
| Warmer (if designated) | Y |
| Colder (if designated) | N |

| Item | symbol | value | unit |
|--------------------|----------------------|-------|------|
| Design load | | | |
| cooling | P _{designc} | 5,0 | kW |
| heating/Average | P _{designh} | 4,2 | kW |
| heating/Warmer | P _{designh} | 2,3 | kW |
| heating/Colder | P _{designh} | x | kW |

| Item | symbol | value | unit |
|----------------------------|--------|-------|------|
| Seasonal efficiency | | | |
| cooling | SEER | 7,4 | - |
| heating/Average | SCOP/A | 4,7 | - |
| heating/Warmer | SCOP/W | 5,9 | - |
| heating/Colder | SCOP/C | x | - |

| | | | |
|--|-----------------|-----|----|
| Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j | | | |
| T _j =35°C | P _{dc} | 5,0 | kW |
| T _j =30°C | P _{dc} | 3,7 | kW |
| T _j =25°C | P _{dc} | 2,4 | kW |
| T _j =20°C | P _{dc} | 1,3 | kW |

| | | | |
|--|------|------|---|
| Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature T _j | | | |
| T _j =35°C | EERd | 3,3 | - |
| T _j =30°C | EERd | 5,3 | - |
| T _j =25°C | EERd | 9,3 | - |
| T _j =20°C | EERd | 12,5 | - |

| | | | |
|---|-----------------|-----|----|
| Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =-7°C | P _{dh} | 3,8 | kW |
| T _j =2°C | P _{dh} | 2,3 | kW |
| T _j =7°C | P _{dh} | 1,4 | kW |
| T _j =12°C | P _{dh} | 0,8 | kW |
| T _j =bivalent temperature | P _{dh} | 4,2 | kW |
| T _j =operating limit | P _{dh} | 4,7 | kW |

| | | | |
|---|------|------|---|
| Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =-7°C | COPd | 3,0 | - |
| T _j =2°C | COPd | 4,7 | - |
| T _j =7°C | COPd | 6,0 | - |
| T _j =12°C | COPd | 6,6 | - |
| T _j =bivalent temperature | COPd | 2,6 | - |
| T _j =operating limit | COPd | 2,18 | - |

| | | | |
|--|-----------------|-----|----|
| Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =2°C | P _{dh} | 2,3 | kW |
| T _j =7°C | P _{dh} | 1,4 | kW |
| T _j =12°C | P _{dh} | 0,8 | kW |
| T _j =bivalent temperature | P _{dh} | 2,3 | kW |
| T _j =operating limit | P _{dh} | 4,7 | kW |

| | | | |
|--|------|------|---|
| Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =2°C | COPd | 4,7 | - |
| T _j =7°C | COPd | 6,0 | - |
| T _j =12°C | COPd | 6,6 | - |
| T _j =bivalent temperature | COPd | 4,7 | - |
| T _j =operating limit | COPd | 2,18 | - |

| | | | |
|--|-----------------|---|----|
| Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =-7°C | P _{dh} | x | kW |
| T _j =2°C | P _{dh} | x | kW |
| T _j =7°C | P _{dh} | x | kW |
| T _j =12°C | P _{dh} | x | kW |
| T _j =bivalent temperature | P _{dh} | x | kW |
| T _j =operating limit | P _{dh} | x | kW |
| T _j =-15°C | P _{dh} | x | kW |

| | | | |
|--|------|---|---|
| Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature T _j | | | |
| T _j =-7°C | COPd | x | - |
| T _j =2°C | COPd | x | - |
| T _j =7°C | COPd | x | - |
| T _j =12°C | COPd | x | - |
| T _j =bivalent temperature | COPd | x | - |
| T _j =operating limit | COPd | x | - |
| T _j =-15°C | COPd | x | - |

| | | | |
|-----------------------------|------------------|-----|----|
| Bivalent temperature | | | |
| heating/Average | T _{biv} | -10 | °C |
| heating/Warmer | T _{biv} | 2 | °C |
| heating/Colder | T _{biv} | x | °C |

| | | | |
|------------------------------------|-----|-----|----|
| Operating limit temperature | | | |
| heating/Average | Tol | -15 | °C |
| heating/Warmer | Tol | -15 | °C |
| heating/Colder | Tol | x | °C |

| | | | |
|----------------------------------|-------------------|------|----|
| Cycling interval capacity | | | |
| for cooling | P _{cycc} | x | kW |
| for heating | P _{cyh} | x | kW |
| Degradation co-efficient cooling | C _{dc} | 0,25 | - |

| | | | |
|------------------------------------|---------------------|------|---|
| Cycling interval efficiency | | | |
| for cooling | EER _{cycc} | x | - |
| for heating | COP _{cyh} | x | - |
| Degradation co-efficient heating | C _{dh} | 0,25 | - |

| | | | |
|---|------------------|---|---|
| Electric power input in power modes other than 'active mode' | | | |
| off mode | P _{OFF} | 1 | W |
| standby mode | P _{SB} | 1 | W |
| thermostat - off mode | P _{TO} | 8 | W |
| crankcase heater mode | P _{CK} | 0 | W |



| | | | |
|---------------------------------------|-----------------|------|-------|
| Annual electricity consumption | | | |
| cooling | Q _{CE} | 236 | kWh/a |
| heating/Average | Q _{HE} | 1250 | kWh/a |
| heating/Warmer | Q _{HE} | 543 | kWh/a |
| heating/Colder | Q _{HE} | x | kWh/a |

| | |
|---|---|
| Capacity control (indicate one of three options) | |
| fixed | N |
| staged | N |
| variable | Y |

| | | | |
|------------------------------------|-----------------|----------|-----------------------|
| Other items | | | |
| Sound power level (indoor/outdoor) | L _{WA} | 58/64 | dB(A) |
| Global warming potential | GWP | 550 | kgCO ₂ eq. |
| Rated air flow (indoor/outdoor) | - | 756/2430 | m ³ /h |

| | |
|--|---|
| Contact details for obtaining more information | Name and address of the manufacturer or of its authorized representative. |
|--|---|

(*) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No206/2012.

| TECHNICAL DOCUMENTATION ⁽¹⁾ | | | |
|---|--|--------------|-----------------------|
| ROOM AIR CONDITIONER | INDOOR MODEL | MSZ-AP50VG | 299H*798W*219D (mm) |
| | OUTDOOR MODEL | MUZ-AP50VG | 714H*800W*285D (mm) |
| Function | | | |
| | cooling | | Y |
| | heating | | Y |
| The heating season | | | |
| | Average (mandatory) | | Y |
| | Warmer (if designated) | | Y |
| | Colder (if designated) | | N |
| Capacity control | | | |
| | fixed | | N |
| | staged | | N |
| | variable | | Y |
| Item | symbol | value | unit |
| Seasonal efficiency ⁽²⁾ | | | |
| cooling | SEER | 7,4 | - |
| heating/Average | SCOP/A | 4,7 | - |
| heating/Warmer | SCOP/W | 5,9 | - |
| heating/Colder | SCOP/C | x | - |
| Energy efficiency class | | | |
| cooling | SEER | A+++ | - |
| heating/Average | SCOP/A | A+++ | - |
| heating/Warmer | SCOP/W | A+++ | - |
| heating/Colder | SCOP/C | x | - |
| Other items | | | |
| Sound power level (indoor/outdoor) | L _{WA} | 58/64 | dB(A) |
| Refrigerant | - | R32 | - |
| Global warming potential | GWP | 550 | kgCO ₂ eq. |
| [INDOOR MODEL] identification and signature of the person empowered to bind the supplier |  Selin Domekeli Chief, Quality Assurance Department Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company | | |
| [OUTDOOR MODEL] identification and signature of the person empowered to bind the supplier |  Akira Hidaka Department Manager, Quality Assurance Department MITSUBISHI ELECTRIC CONSUMER PRODUCTS(THAILAND) CO.,LTD | | |

(1) This information is based on COMMISSION DELEGATED REGULATION (EU)No626/2011.

(2) SEER/SCOP values are measured based on FprEN 14825:2011: Testing and rating at part load conditions and calculation of seasonal performance.