

MJR SERIES 82-125 kVA

TECHNICAL SPECIFICATIONS



| GENERATOR GROUP | | MJR0082 | MJR0094 | MJR0110 | MJR0110 | MJR0125 |
|-----------------|-----|---------|---------|---------|---------|---------|
| Stand By Power | kVA | 82 | 94 | 110 | 110 | 125 |
| | kW | 65.6 | 75 | 88 | 88 | 100 |
| Prime Power | kVA | 75 | 85 | 100 | 100 | 115 |
| | kW | 60 | 68 | 80 | 80 | 92 |

| DIESEL ENGINE | | RICARDO | | | | |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Model | | R4105IZLD | R4105IZD | R4110IZLD | R6105ZD | R6105ZLD |
| Engine Power - Stand By | kW | 56 | 72.6 | 92.4 | 92.4 | 110 |
| Engine Power - Prime | kW | 61.6 | 66 | 84 | 84 | 100 |
| Engine Speed (rpm) | | 1500 | 1500 | 1500 | 1500 | 1500 |
| Number of Cylinder | | 4 - In Line | 4 - In Line | 4 - In Line | 6 - In Line | 6 - In Line |
| Displacement (lt) | | 4.33 | 4.33 | 4.33 | 6.49 | 6.49 |
| Bore x Stroke (mm) | | 105 x 125 | 105 x 130 | 105 x 130 | 105 x 130 | 105 x 130 |
| Compression Rate | | 16:1 | 16:1 | 16:1 | 16:1 | 16:1 |
| Governor Type | | Mechanic/Electronic | Mechanic/Electronic | Mechanic/Electronic | Mechanic/Electronic | Mechanic/Electronic |
| Induction | | TurboCharged | TurboCharged | TurboCharged | TurboCharged | TurboCharged |
| Combustion System | | Direct Injection | Direct Injection | Direct Injection | Direct Injection | Direct Injection |
| Cooling System | | Water Cooled | Water Cooled | Water Cooled | Water Cooled | Water Cooled |
| Lubrication Oil Capacity (lt) | | 15 | 16 | 16 | 19 | 19 |
| Coolant Capacity (lt) | | 25 | 25 | 25 | 40 | 25 |
| Fuel Tank Capacity (lt) | | 165 | 165 | 180 | 180 | 280 |
| Fuel Consumption lt / h | 100% of Prime Power | 18 | 20.2 | 20.2 | 23.9 | 26.6 |
| | 75% of Prime Power | 13.5 | 15.6 | 15.6 | 17.9 | 20.2 |
| | 50% of Prime Power | 9 | 10 | 10 | 11.9 | 13.8 |

| ALTERNATOR | | | | | | |
|--------------------|--|---------|--|--|--|--|
| Output Voltage (V) | | 400/230 | | | | |
| Power Factor | | 0.8 | | | | |
| Number of Poles | | 4 | | | | |
| Frequency (Hz) | | 50 | | | | |
| Voltage Regulation | | ±%0,5 | | | | |
| Connection Type | | Star | | | | |

| DIMENSIONS & WEIGHT | | MJR0082 | MJR0094 | MJR0110 | MJR0110 | MJR0125 |
|---------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Canopy Dimensions | mm (WxDxH) | 1050 x 2700 x 1770 | 1050 x 2700 x 1770 | 1050 x 2700 x 1800 | 1050 x 2995 x 1940 | 1050 x 2700 x 1770 |
| Canopy Weight | kg | 1300 | 1410 | 1450 | 1650 | 1535 |
| Open Dimensions | mm (WxDxH) | 1050 x 2700 x 1600 | 1050 x 2700 x 1600 | 1050 x 2700 x 1600 | 1050 x 2995 x 1650 | 1050 x 2700 x 1600 |
| Open Weight | kg | 1050 | 1160 | 1200 | 1350 | 1290 |

Makelsan reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.