

# MD500 SERIES

## OPTIONAL EQUIPMENT

### 16.0 MD500 SERIES OPTIONAL EQUIPMENT

| <i>Airspeed/Time</i>              | <i>lb</i> | <i>kg</i> |
|-----------------------------------|-----------|-----------|
| ▪ Davtron 877 Digital Clock       | 0.2       | 0.1       |
| ▪ Heated Pitot Tube, MD 500E/530F | 0.4       | 0.2       |
| ▪ Heated Pitot Tube, MD 520N      | 1.0       | 0.5       |

| <i>Altitude</i>                            | <i>lb</i> | <i>kg</i> |
|--|-----------|-----------|
| ▪ Blind Encoder Garmin GAE-43              | 2.0       | 0.9       |
| ▪ Encoding Altimeter 3-inch                | 3.7       | 1.7       |
| ▪ Instantaneous Vertical Speed Indicator   | 2.5       | 1.1       |
| ▪ KRA 10-00 Radar Alt W/KI250 Indicator    | 4.4       | 2.0       |
| ▪ KRA405B-15 Radar Alt W/KNI416 Indicator  | 10.5      | 4.8       |
| ▪ TRA 3000 Radar Alt with TRI 40 Indicator | 2.6       | 1.2       |

| <i>Altitude/Heading</i>                                       | <i>lb</i> | <i>kg</i> |
|---|-----------|-----------|
| ▪ Attitude Gyro Indicator 3-inch                              | 3.1       | 1.4       |
| ▪ Directional Gyro-Panel Mounted                              | 3.0       | 1.4       |
| ▪ KCS55A-01 Compass System                                    | 10.3      | 4.7       |
| ▪ KI229-00 Radio Magnetic Indicator                           | 2.0       | 0.9       |
| ▪ Turn and Bank Indicator, 2-inch                             | 1.4       | 0.6       |
| ▪ Turn and Bank Indicator, 3-inch (mid continent 1394T100-7Z) | 1.6       | 0.7       |
| ▪ Turn and Bank Indicator, 3-inch United Instruments          | 1.6       | 0.7       |

| <i>Avionics</i>  | <i>lb</i> | <i>kg</i> |
|--|-----------|-----------|
| ▪ GNS-430W NAV/COM/GPS   | 7.8       | 3.5       |
| ▪ GNS-430AW NAV/COM/GPS  | 7.8       | 3.5       |
| ▪ GNS-530W NAV/COM/GPS   | 9.8       | 4.4       |
| ▪ GNS-530AW NAV/COM/GPS  | 9.8       | 4.4       |
| ▪ GPS-400-GPS  |           |           |
| ▪ GPS-500-GPS  |           |           |
| ▪ GNC-420-COM/GPS  |           |           |
| ▪ GMA-340 Audio Panel – Stereo   |           |           |
| ▪ GMA-347 Audio Panel – Stereo, with Panel IPOD Unit                                       |           |           |
| ▪ GTX-330D Transponder-Modes A,C,S with TIS Capability and Diversity Isolation (2 antenna) | 4.3       | 2.0       |
| ▪ GTX-330 Transponder-Modes A,C,S w/o TIS Capability and Diversity                         | 4.3       | 2.0       |
| ▪ GTX-327 Transponder-Modes A,C  | 4.3       | 2.0       |
| ▪ GMX-200 Multi Function Display Unit  |           |           |
| ▪ GNC-250 XL – COMM/GPS  |           |           |
| ▪ GDL-69 Satellite WX – w/o display  |           |           |
| ▪ GDL-69A Satellite WX with XM radio – w/o display   |           |           |
| ▪ KLN90B   |           |           |
| ▪ KT76A Modes A,C Transponder  | 4.2       | 1.9       |
| ▪ KT76C Modes A,C Transponder  | 4.2       | 1.9       |
| ▪ KT-70 Modes A,C,S Transponder  | 5.2       | 2.4       |
| ▪ KDR510 Satellite Weather   |           |           |
| ▪ Pointer 3000 ELT   |           |           |

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| <b><i>Comm/Intercom</i></b>  | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| ▪ A711 Audio Panel   | 5.0              | 2.2              |
| ▪ AA97 Audio Panel System – Includes 2each   | 2.8              | 1.3              |
| ▪ AMS-42F Dual Channel Audio Panel   | 2.8              | 1.3              |
| ▪ AMS-44 Dual Channel Audio Panel  | 5.7              | 2.6              |
| ▪ CD Player AM/FM Radio Stereo PS ENG PXE7300  | 4.7              | 2.1              |
| ▪ Cyclic Remote Frequency Switch   | 0.3              | 0.1              |
| ▪ Garmin GNA-340 Audio Panel   | 3.3              | 1.5              |
| ▪ Hand Held Comm Radio Provisions to include AA-34 Universal   | 1.1              | 0.5              |
| ▪ Headset Bose Series X Noise Canceling Stereo   | 1.1              | 0.5              |
| ▪ Headset David Clark H10-56   | 1.5              | 0.7              |
| ▪ Headset David Clark Noise Canceling H10-56HXP  | 2.3              | 1.0              |
| ▪ KMA24H-71 Audio Panel  | 6.2              | 2.8              |
| ▪ KMA24H-71 Dual Audio Control/Intercom  |                  |                  |
| ▪ KTR908 COMM  |                  |                  |
| ▪ KX165-25 10-watt COM/NAV Transceiver w/ KI-206 NAV Indicator   | 5.2              | 2.4              |
|  | 5.5              | 2.5              |
| ▪ KY196A-30 16-watt VHF COM Transceiver  | 3.1              | 1.4              |
| ▪ KY-96A-61 10-watt VHF COM Transceiver  |                  |                  |
| ▪ NPX-138N – FM Transceiver 138-174 MHZ  | 21.4             | 9.7              |
| ▪ PA Siren System, External w/ AA-22 controller and TS-100WR speaker—with recessed mount   | 2.5              | 1.1              |
| ▪ Provisions Motorola Spectra 800 MHZ Radio  |                  |                  |
| ▪ Rear Seat Transmit Capability, includes AA-12S rear seat audio panel and 2-each rear lapel cords. NOTE: Compatible with NAT audio panels | 5.1              | 2.3              |
| ▪ SL-30 COM/NAV  | 5.1              | 2.3              |
| ▪ TDFM-6148 VHF HI/UHF LO/800 (136-174/403-512/800)  | 3.1              | 1.4              |
| ▪ TDFM-7000 Series 4 R/T System  | 27.2             | 12.3             |
| ▪ TFM-550 VHF Low/VHF/UHF High 30-50/138-174/403-512   | 4.2              | 1.9              |
| ▪ Wulfsberg RT5000 Transceiver   |                  |                  |
| ▪ Wulfsberg C5000 Flex Comm Control Head   |                  |                  |

| <b><i>Controls</i></b>                      | <b><i>lb</i></b> | <b><i>kg</i></b> |
|---|------------------|------------------|
| ▪ Mason Grip Installed – on pilot side only | 1.0              | 0.5              |

| <b><i>Electrical System</i></b>         | <b><i>lb</i></b> | <b><i>kg</i></b> |
|---|------------------|------------------|
| ▪ KA-22 Avionics Cooling Fan            | 2.2              | 1.0              |
| ▪ Lead Acid Battery G641S-17 amp hour   | 23.0             | 10.4             |
| ▪ 28-volt Cabin and Cockpit Receptacles | 1.6              | 0.7              |

| <b><i>Engine</i></b>                             | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| ▪ Diamond J TOT Indicator 61000-34 (C20B Engine) |                  |                  |
| ▪ Diamond J TOT Indicator 61000-35 (C20R Engine) |                  |                  |
| ▪ Engine 250-C20R                                |                  |                  |
| ▪ Engine Exhaust Oil Breather HT-800             |                  |                  |
| ▪ P/C Safety Valve Kit – for C20B Engine Only    |                  |                  |

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| <b><i>Environmental</i></b>  | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Air Conditioning R-134 with Forward Evaporator</li> </ul> | 88.8             | 40.3             |

| <b><i>Exterior Accessories</i></b>   | <b><i>lb</i></b>   | <b><i>kg</i></b>                                       |
|--|--|--|
| <ul style="list-style-type: none"> <li>▪ Breeze Eastern Cargo Hook – require factory hard point</li> <li>▪ Cargo Hook Load Weigh System – model E51</li> <li>▪ Cargo Hook with Hard Point</li> <li>▪ Dual Side Mount – FLR/NightSun – mount only</li> <li>▪ Exterior Crew Handles (4 each)</li> <li>▪ Four Bladed Tail Rotor</li> <li>▪ Meeker Engine Bay Quick Release Hinges</li> <li>▪ Skid Mirror</li> <li>▪ Tyler Special Operations Platform</li> <li>▪ Wire Strike</li> </ul> | 7.0<br><br><br>20.0<br>5.0<br>10.8<br>2.1<br>2.0<br><br>15.4 | 3.2<br><br><br>9.1<br>2.3<br><br>7.0<br>0.9<br><br>7.0 |

| <b><i>Exterior Lights</i></b>  | <b><i>lb</i></b>                                 | <b><i>kg</i></b>                                |
|--|--|---|
| <ul style="list-style-type: none"> <li>▪ Provisions for Side Mounted SX-16 NightSun</li> <li>▪ Pulse System for Existing Landing Light</li> <li>▪ Provisions for SX-16 NightSun and POP-200 Thermal Imager Mounted on Meeker Dual Side Mount</li> <li>▪ SX-16 NightSun Side Mounted with Gold Reflector</li> <li>▪ SX-16 Side Mounted w/o Gold Reflector</li> <li>▪ SX-5 15 Million Candle Power NightSun – Side Mounted</li> <li>▪ Night Scanner – 400 Candle Power NightSun – Belly Mounted</li> <li>▪ Super Night Scanner – 800 Candle Power – Belly Mounted</li> </ul> | 19.5<br><br><br>65.0<br>65.0<br><br>23.0<br>23.0 | 8.8<br><br><br>29.5<br>29.5<br><br>10.4<br>10.4 |

| <b><i>Fuel System</i></b>   | <b><i>lb</i></b> | <b><i>kg</i></b> |
|---|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Airframe Fuel Filter Install – (500E/N – 503) (500F-505)</li> <li>▪ Fargo 21 Gallon AUX Fuel Tank</li> </ul> | 6.7              | 3.0              |

| <b><i>Gear/Handling</i></b>  | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Carbide Skid Shoes</li> </ul> |                  |                  |

| <b><i>Infrared Cameras</i></b>   | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ FLIR 8500 IR Camera System – Basic No Options – Side Mounted with Avalex 10-inch Monitor (For Domestic Use Only)</li> <li>▪ FLIR Equipment – 8500</li> <li>▪ Provisions for FLIR 7000/8000 Series Nose Mounted, includes turret mount and monitor; and all cables and wiring. NOTE: Does not include vibration isolation mount</li> <li>▪ Provisions for FLIR 7000/8000 Series Side Mounted, includes turret and monitor mount and all cables and wiring. NOTE: Does not include vibration isolation mount</li> <li>▪ Slass System for use with FLIR 7000/8000 Series and Wescam FLIR's Only</li> </ul> |                  |                  |

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| <b><i>Interior/Trim/Lights</i></b>   | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Instrument Panel Face Plate Modification</li> <li>▪ Leather Covered Interior Panels</li> <li>▪ Leather Covered Seats</li> <li>▪ Mesh Seats, Black 2+2</li> <li>▪ NVG Compatible Lighting External and Internal</li> <li>▪ Slant Panel Pedestal</li> </ul> | 0                | 0                |
|  | -27.0            | -12.2            |
|  | 6.0              |                  |
|  | 3.0              |                  |

| <b><i>Mapping Systems</i></b>  | <b><i>lb</i></b> | <b><i>kg</i></b> |
|--|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Aero Computers LE-5000 Mapping Systems</li> </ul> |                  |                  |

| <b><i>Windows/Canopy</i></b>  | <b><i>lb</i></b> | <b><i>kg</i></b> |
|---|------------------|------------------|
| <ul style="list-style-type: none"> <li>▪ Comfort Windows – 2 each Cabin, 2 each Cockpit; with slides</li> <li>▪ Comfort Windwos – 2 each Cabin, 2 each Cockpit; with pop out</li> <li>▪ Paravion Left Front Door Opener</li> <li>▪ Paravion Right Front Door Opener</li> <li>▪ Comfort Windows – 2 each Cabin with pop out, 2 each Cockpit with slides</li> <li>▪ 4 Place Door Opener Kit - Paravion</li> </ul> | 1.5              | 0.7              |
|   | 1.5              | 0.7              |
|   | 6.0              | 2.8              |