

ML15 SIMPLEX TECHNICAL DATA

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|--|---------------------------|---------------|---------------|---------------|
| Capacity and power: ISO-1217(1996 annex #C) | | | | |
| Normal working pressure - psi | 175 | | | |
| Capacity at normal working press - cfm | 49.5 | | | |
| Basic Pump | | | | |
| Model | D97A | | | |
| Stage | 2 | | | |
| Lubrication type | Centro-Ring Pressure Lube | | | |
| Valve type | Disc Valve | | | |
| RPM (min – max) – rpm | 500 - 800 | | | |
| Outfit RPM | 800 | | | |
| BHP – HP | 12.86 | | | |
| Bore (LP/HP) – inch | 6.25" – 3.375" | | | |
| Stroke – inch | 3.75" | | | |
| Inlet size | 1 1/4" NPT | | | |
| Discharge size | 1 1/4" OD | | | |
| Sheave OD | 17.875" | | | |
| Sheave PD | 17.52" | | | |
| Number of belts | 3 | | | |
| Belt section | B | | | |
| Low oil sight glass | Dip Stick | | | |
| Oil quantity | 5 pints | | | |
| Unloaders and Method | APU Unloaders | | | |
| Noise level – dB(A) | 82 | | | |
| Motor | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F |
| Efficiency - % | 91% | 93% | 93% | 93% |
| Nominal rated power – HP | 15 | 15 | 15 | 15 |
| Speed of rotation - rpm | 1760 | 1765 | 1765 | 1765 |
| FLA | 43 | 35.4 | 17.7 | 14.1 |
| Service Factor | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 290 | 224 | 112 | 89 |
| Power Factor | 83 | 86 | 86 | 86 |
| Installation condition | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | |
| Compressor dimensions | | | | |
| Air Receiver Type | Horizontal | | Horizontal UP | |
| Air receiver size (Gal) | 120 | | 120 | |
| Compressor outlet | 3/4" NPT | | 3/4" NPT | |
| Length – inch | 74 | | 74 | |
| Width – inch | 33 | | 36 | |
| Height – inch | 59 | | 59 | |
| Weight – Lbs. | 1150 | | 1250 | |
| Air Cooled Aftercooler (Option) | | | | |
| Availability | Yes | | | |
| Air cooled aftercooler CTD - °F | 18 | | | |

Remark:

1. Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
2. Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
3. Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.

ML15 BASE MOUNTED TECHNICAL DATA

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|--|---------------------------|---------------|--------------|---------------|
| Capacity and power: ISO-1217(1996 annex #C) | | | | |
| Normal working pressure - psi | 175 | | | |
| Capacity at normal working press - cfm | 49.5 | | | |
| Basic Pump | | | | |
| Model | D97A | | | |
| Stage | 2 | | | |
| Lubrication type | Centro-Ring Pressure Lube | | | |
| Valve type | Disc Valve | | | |
| RPM (min – max) – rpm | 500 - 800 | | | |
| Outfit RPM | 800 | | | |
| BHP – HP | 12.86 | | | |
| Bore (LP/HP) – inch | 6.25" – 3.375" | | | |
| Stroke – inch | 3.75" | | | |
| Inlet size | 1 1/4" NPT | | | |
| Discharge size | 1 1/4" OD | | | |
| Sheave OD | 17.875" | | | |
| Sheave PD | 17.52" | | | |
| Number of belts | 3 | | | |
| Belt section | B | | | |
| Low oil sight glass | Dip Stick | | | |
| Oil quantity | 5 Pints | | | |
| Unloaders and Method | Suction Head | | | |
| Noise level – dB(A) | 82 | | | |
| Motor | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F |
| Efficiency - % | 91% | 93% | 93% | 93% |
| Nominal rated power – HP | 15 | 15 | 15 | 15 |
| Speed of rotation - rpm | 1760 | 1765 | 1765 | 1765 |
| FLA | 43 | 35.4 | 17.7 | 14.1 |
| Service Factor | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 290 | 224 | 112 | 89 |
| Power Factor | 83 | 86 | 86 | 86 |
| Installation condition | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | |
| Compressor dimensions | | | | |
| Air Receiver Type | Base Mounted | | | |
| Air receiver size (Gal) | N/A | | | |
| Compressor outlet | 1 1/4" NPT | | | |
| Length – inch | 41 | | | |
| Width – inch | 33 | | | |
| Height – inch | 35 | | | |
| Weight – Lbs. | 775 | | | |
| Air Cooled Aftercooler (Option) | | | | |
| Availability | Yes | | | |
| Air cooled aftercooler CTD - °F | 18 | | | |

Remark:

1. Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
2. Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
3. Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.