

ML25 SIMPLEX TECHNICAL DATA

| Capacity and power: ISO-1217(1996 annex #C) | | | | |
|--|---------------------------|---------------|--------------|---------------|
| Normal working pressure - psi | 175 | | 250 | |
| Capacity at normal working press - cfm | 82.4 | | 72.9 | |
| Basic Pump | | | | |
| Model | C98A | | | |
| Stage | 2 | | | |
| Lubrication type | Centro-Ring pressure lube | | | |
| Valve type | Disc Valve | | | |
| RPM (min – max) – rpm | 500 - 950 | | | |
| Outfit RPM | 837 | | 768 | |
| BHP – HP | 24.5 | | 27 | |
| Bore (LP/HP) – inch | 7.5" – 4.19" | | | |
| Stroke – inch | 5" | | | |
| Inlet size | 2" NPT | | | |
| Discharge size | 1 1/4" OD | | | |
| Sheave OD | 21" | | | |
| Sheave PD | 20.65" | | | |
| Number of belts | 4 | | | |
| Belt section | B | | | |
| Low oil sight glass | Dip stick | | | |
| Oil quantity | 6 quarts | | | |
| Unloaders and Method | Suction head | | | |
| Noise level – dB(A) | 89 | | | |
| Motor | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F |
| Efficiency - % | 91.7 | 93.6 | 93.6 | 94.1 |
| Nominal rated power – HP | 25 | 25 | 25 | 25 |
| Speed of rotation - rpm | 1760 | 1770 | 1770 | 1770 |
| FLA | 70 | 60 | 30 | 28 |
| Service Factor | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 386 | 336 | 158 | 134 |
| Power Factor | 83 | 82 | 82 | 85 |
| Installation condition | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | |
| Compressor dimensions | | | | |
| Air Receiver Type | Horizontal | | | |
| Air receiver size (Gal) | 200 | | | |
| Compressor outlet | 1" NPT | | | |
| Length – inch | 78 | | | |
| Width – inch | 43" | | | |
| Height – inch | 76 | | | |
| Weight – Lbs. | 2150 | | | |
| Air Cooled Aftercooler (Option) | | | | |
| Availability | Yes | | | |
| Air cooled aftercooler CTD - °F | 18 | | | |

Remark:

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

ML25 DUPLEX TECHNICAL DATA

| Capacity and power: ISO-1217(1996 annex #C) | | | | |
|--|---------------------------|---------------|---------------|---------------|
| Normal working pressure - psi | 175 | | 250 | |
| Capacity at normal working press - cfm | 164.8 | | 145.8 | |
| Basic Pump | | | | |
| Model | C98A | | | |
| Stage | 2 | | | |
| Lubrication type | Centro-Ring pressure lube | | | |
| Valve type | Disc valve | | | |
| RPM (min – max) – rpm | 500 - 950 | | | |
| Outfit RPM | 837 | | 768 | |
| BHP – HP | 24.5 | | 27 | |
| Bore (LP/HP) – inch | 7.5" – 4.19" | | | |
| Stroke – inch | 5" | | | |
| Inlet size | 2" NPT | | | |
| Discharge size | 1 1/4" OD | | | |
| Sheave OD | 21" | | | |
| Sheave PD | 20.65" | | | |
| Number of belts | 4 | | | |
| Belt section | B | | | |
| Low oil sight glass | Dip stick | | | |
| Oil quantity | 6 quarts | | | |
| Unloaders and Method | Suction head | | | |
| Noise level – dB(A) | 89 | | | |
| Motor | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F |
| Efficiency - % | 91.7 | 93.6 | 93.6 | 94.1 |
| Nominal rated power – HP | 25 | 25 | 25 | 25 |
| Speed of rotation - rpm | 1760 | 1770 | 1770 | 1770 |
| FLA | 70 | 60 | 30 | 28 |
| Service Factor | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 386 | 336 | 158 | 134 |
| Power Factor | 83 | 82 | 82 | 85 |
| Installation condition | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | |
| Compressor dimensions | | | | |
| Air Receiver Type | Horizontal | | Horizontal UP | |
| Air receiver size (Gal) | 240 | | 240 | |
| Compressor outlet | 1" NPT | | 1" NPT | |
| Length – inch | 95 | | 105 | |
| Width – inch | 46 | | 53 | |
| Height – inch | 73 | | 74 | |
| Weight – Lbs. | 3750 | | 3900 | |
| Air Cooled Aftercooler (Option) | | | | |
| Availability | Yes | | | |
| Air cooled aftercooler CTD - °F | 18 | | | |

Remark:

- Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
- Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
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ML25 BASE MOUNTED TECHNICAL DATA

| Capacity and power: ISO-1217(1996 annex #C) | | | | |
|--|---------------------------|-----------------|--------------------|---------------|
| Normal working pressure - psi | 175 | | 250 | |
| Capacity at normal working press - cfm | 82.4 | | 72.9 | |
| Basic Pump | | | | |
| Model | C98A | | | |
| Stage | 2 | | | |
| Lubrication type | Centro-Ring pressure lube | | | |
| Valve type | Disc Valve | | | |
| RPM (min – max) – rpm | 500 - 950 | | | |
| Outfit RPM | 837 | | 768 | |
| BHP – HP | 24.5 | | 27 | |
| Bore (LP/HP) – inch | 7.5" – 4.19" | | | |
| Stroke – inch | 5" | | | |
| Inlet size | 2" NPT | | | |
| Discharge size | 1 1/4" OD | | | |
| Sheave OD | 21.00" | | | |
| Sheave PD | 20.65" | | | |
| Number of belts | 4 | | | |
| Belt section | B | | | |
| Low oil sight glass | Dip stick | | | |
| Oil quantity | 6 quarts | | | |
| Unloaders and Method | Suction head | | | |
| Noise level dB(A) | 89 | | | |
| Motor | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F |
| Efficiency - % | 91.7 | 93.6 | 93.6 | 94.1 |
| Nominal rated power – HP | 25 | 25 | 25 | 25 |
| Speed of rotation - rpm | 1760 | 1770 | 1770 | 1770 |
| FLA | 70 | 60 | 30 | 28 |
| Service Factor | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 386 | 336 | 158 | 134 |
| Power Factor | 83 | 82 | 82 | 85 |
| Installation condition | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | |
| Compressor dimensions | | | | |
| Air Receiver Type | Base Mounted | B.M. Vert. Tank | B.M. Vert. Tank UP | |
| Air receiver size (Gal) | N/A | 120 | 120 | |
| Compressor outlet | 2" NPT | 1" NPT | 1" NPT | |
| Length – inch | 48 | 76 | 80 | |
| Width – inch | 37 | 42 | 45 | |
| Height – inch | 42 | 58 | 58 | |
| Weight – Lbs. | 1200 | 1900 | 2050 | |
| Air Cooled Aftercooler (Option) | | | | |
| Availability | Yes | | | |
| Air cooled aftercooler CTD - °F | 18 | | | |

Remark:

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