

CT7.5 SIMPLEX

TECHNICAL DATA

| | | | | | |
|--|------------------------------|---------------|---------------|--------------|---------------|
| Capacity and power: ISO-1217(1996 annex #C) | | | | | |
| Normal working pressure - psi | 175 | | | | |
| Capacity at normal working press - cfm | 24.2 | | | | |
| Basic Pump | | | | | |
| Model | CT75 | | | | |
| Stage | 2 | | | | |
| Lubrication type | Splash Lubrication | | | | |
| Valve type | Channel Valve | | | | |
| RPM (min – max) – rpm | 650-1000 | | | | |
| Outfit RPM | 879 | | | | |
| Bore (LP/HP) – inch | 4.72" – 2.56" [120mm – 65mm] | | | | |
| Stroke – inch | 3.15" [80mm] | | | | |
| Inlet size | 3/4"NPT | | | | |
| Discharge size | 7/8" NPT | | | | |
| Sheave OD | 16.53" [420mm] | | | | |
| Sheave PD | 16.32" [414.5mm] | | | | |
| Number of belts | 2 | | | | |
| Belt section | A | | | | |
| Low oil sight glass | Yes | | | | |
| Oil quantity | 3 Quarts | | | | |
| Unloaders and Method | Bleeder Type Pressure Switch | | | | |
| Noise level – dB(A) | 86 | | | | |
| Motor | 1-230V | 3-200V | 3-230V | 3-460 | 3-575V |
| Enclosure | IP21 | IP23 | IP23 | IP23 | IP23 |
| Insulation Class | F | F | F | F | F |
| Efficiency - % | 84.5 | 88.5 | 91 | 91 | 91 |
| Nominal rated power – HP | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| Speed of rotation - rpm | 1755 | 1750 | 1770 | 1770 | 1770 |
| FLA | 30.6 | 23.0 | 19.4 | 9.7 | 7.8 |
| Service factor | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| Locked rotor current – A | 218 | 163 | 142 | 71 | 57 |
| Power Factor | 94 | 79 | 79 | 79 | 79 |
| Installation condition | | | | | |
| Allowed ambient temperature min - max - °F | 32-104 | | | | |
| Compressor dimensions | | | | | |
| Air Receiver Type | Vertical | | | | |
| Air receiver size (Gal) | 80 | | | | |
| Compressor outlet | 1/2" NPT | | | | |
| Length – inch | 36 | | | | |
| Width – inch | 27 | | | | |
| Height – inch | 73 | | | | |
| Weight – Lbs. | 573 | | | | |
| Air Cooled Aftercooler (Option) | | | | | |
| Availability | N/A | | | | |
| Air cooled aftercooler CTD - °F | N/A | | | | |

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.