

RECEIVER-MOUNTED SIMPLEX AND DUPLEX PACKAGES OR MULTIPLE PUMP MODULAR SYSTEMS.



CLEAN COMPRESSED AIR FOR:

- LABORATORY
- PHARMACEUTICAL
- MEDICAL
- DENTAL
- VETERINARY
- FOOD PROCESSING/PACKAGING
- AIR BURST SYSTEMS
- CHEMICAL PROCESSING
- ELECTRONIC MANUFACTURING
- INSTRUMENTATION
- CLIMATE CONTROL
- N2 GENERATION
- SOIL REMEDIATION
- AND MORE



BASIC PUMPS



SIMPLEX PACKAGES



MULTIPLE PUMP SYSTEMS

COMPRESSOR PUMP FEATURES

SINGLE STAGE MODELS



SD-203

SD-205

SD-307/310

SD-415



- 1) Clean air output with no oil contamination.
- 2) Self lubricating, anti-friction material used for piston guide and compression rings.
- 3) High density aluminum alloy piston for improved heat dissipation.
- 4) Aluminum alloy cylinders with deep finned construction for optimum heat dissipation.
- 5) High precision sealed bearings with high performance grease for continuous heavy load operation.
- 6) Robust cast iron crankcases with high flow breathers to eliminate heat and pressure loading in the frames.
- 7) High flow air foil-type cooling air fan mounted on the pump flywheel, to provide cooling air across the cylinders and frame.
- 8) Cylinder tube manifolds are finned for cooling of discharge air flow.
- 9) One piece connecting rod and sealed bearing for long trouble-free service.
- 10) Large air-cooled intercooler on 2-stage models.

2 STAGE MODELS

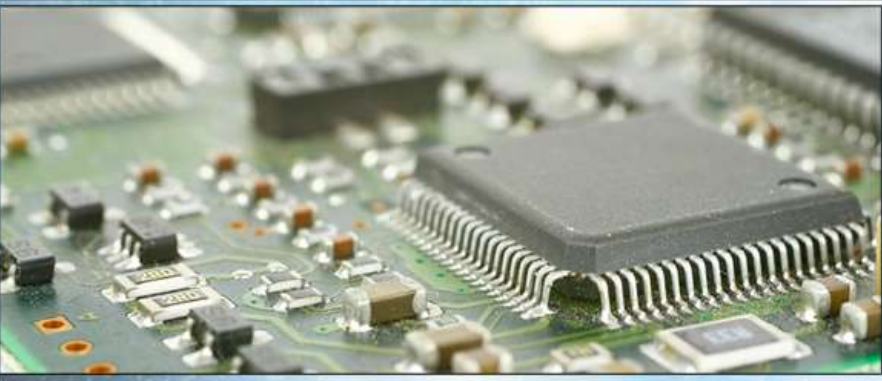


HDP-205

HDP-310

HDP-415

HD-420-425



"APPL" OIL-LESS AIR COMPRESSOR SPECIFICATIONS

SINGLE STAGE PUMPS (OPERATING PRESSURE TO 120 PSIG)



SIMPLEX COMPRESSOR PACKAGES INCLUDE:

- 1) Motor with slide base and vee belt drive.
- 2) Air receiver (ASME code) and CRN & National Board Registered.
- 3) Air pressure switch, receiver safety valve, pressure gauge, discharge, check valve, air service valve and receiver drain valve.
- 4) Optional items include vee-belt guard, air-cooled after cooler, receiver auto drain valve, motor starter, vibration isolation mounts, flexible connectors, and more.

SIMPLEX MODELS - SINGLE STAGE

| COMPRESSOR MODEL | H.P. | RECEIVER SIZE U.S. GAL | CYLINDER SIZE - MM | | NO. OF CYL. | PUMP SPEED RPM | PISTON DISPL. CFM | FREE AIR DELIVERY @ 100 PSIG | OVERALL DIMENSIONS HORIZONTAL RECEIVERS - IN. | | |
|------------------|------|------------------------|--------------------|--------|-------------|----------------|-------------------|------------------------------|---|----|----|
| | | | BORE | STROKE | | | | | L | W | H |
| SD-203/3-R60 | 3 | 60 | 82 | 55 | 2 | 700 | 15.4 | 10 | 54 | 23 | 43 |
| SD-205/5-R80 | 5 | 80 | 95 | 70 | 2 | 700 | 24.5 | 17.1 | 69 | 23 | 43 |
| SD-307/7.5-R120 | 7.5 | 120 | 95 | 70 | 3 | 700 | 36.8 | 25.7 | 74 | 28 | 59 |
| SD-310/10-R120 | 10 | 120 | 95 | 70 | 3 | 850 | 44.7 | 31.2 | 74 | 28 | 59 |
| SD-415/15-R240 | 15 | 240 | 95 | 70 | 4 | 950 | 66.6 | 46.5 | 90 | 36 | 68 |
| SD-420/20-R240 | 20 | 240 | 130 | 88 | 4 | 650 | 107 | 64 | 90 | 42 | 72 |
| SD-425/25-R240 | 25 | 240 | 130 | 88 | 4 | 820 | 135 | 81 | 90 | 42 | 72 |

DUPLEX MODELS - SINGLE STAGE

| COMPRESSOR MODEL | H.P. | RECEIVER SIZE U.S. GAL | CYLINDER SIZE - MM | | NO. OF CYL. | PUMP SPEED RPM | TOTAL PISTON DISPL. CFM | FREE AIR DELIVERY @ 100 PSIG | OVERALL DIMENSIONS HORIZONTAL RECEIVERS - IN. | | |
|--------------------|------|------------------------|--------------------|--------|-------------|----------------|-------------------------|------------------------------|---|----|----|
| | | | BORE | STROKE | | | | | L | W | H |
| SD-203/3X2-R120G | 6 | 120 | 82 | 55 | 2 | 700 | 30.8 | 20 | 75 | 40 | 66 |
| SD-205/5X2-R120G | 10 | 120 | 95 | 70 | 2 | 700 | 49 | 34.2 | 75 | 40 | 66 |
| SD-307/7.5X2-R240G | 15 | 240 | 95 | 70 | 3 | 700 | 73.6 | 51.4 | 90 | 51 | 70 |
| SD-310/10X2-R240G | 20 | 240 | 95 | 70 | 3 | 850 | 89.4 | 62.4 | 90 | 51 | 70 |
| SD-415/15X2-R240G | 30 | 240 | 95 | 70 | 4 | 950 | 133.2 | 93 | 90 | 51 | 70 |
| SD-420/20x2-V240 | 40 | 240 | 130 | 88 | 4 | 650 | 214 | 128 | SPECIAL ARRANGEMENT | | |
| SD-425/25x2-V240 | 50 | 240 | 130 | 88 | 4 | 820 | 270 | 162 | SPECIAL ARRANGEMENT | | |

*40 & 50 HP systems are base mount and will be used with a remote receiver. Drawings will be supplied for arrangement of compressors to suit user's floor space.

MULTIPLE COMPRESSOR FEATURES:

- 1) All duplex models use grasshopper-style air receivers so pump and motor weight is not supported by receiver vessel.
- 2) Compressor/motor sub-bases are mounted on spring type vibration isolators for smooth, low noise level operation.
- 3) Belt guard mounted air-cooled aftercoolers are recommended for cooling and condensate removal. This will be a requirement if an air dryer is to be used down stream of the compressor package. Connections to aftercoolers are made through stainless steel braided flexible connectors to eliminate connection stress due to vibration.
- 4) An air receiver electronic timed auto drain is recommended for automatic discharging of receiver condensate.
- 5) Control panels can be custom designed to suit service. APPL designs and assembles control panels in-house and can provide relay based control or PLC control functions and alarms to provide the best control system for your facility.



"APPL" OIL-LESS AIR COMPRESSOR SPECIFICATIONS

SIMPLEX MODELS - 2-STAGE (MAXIMUM OPERATING PRESSURE 175 PSIG)

| COMPRESSOR MODEL | H.P. | RECEIVER SIZE U.S. GAL | CYLINDER SIZE - MM | | NO. OF CYL | PUMP SPEED RPM | TOTAL PISTON DISPL. CFM | FREE AIR DELIVERY @ 170 PSIG | OVERALL DIMENSIONS HORIZONTAL RECEIVERS - INCHES | | |
|------------------|------|------------------------|--------------------|--------|------------|----------------|-------------------------|------------------------------|--|----|----|
| | | | BORE | STROKE | | | | | L | W | H |
| HDP-205/5-R80 | 5 | 80 | 95 & 82 | 70 | 2 | 980 | 17.6 | 13.7 | 69 | 23 | 43 |
| HDP-307/7.5-R120 | 7.5 | 120 | 95 & 82 | 70 | 3 | 800 | 28 | 22.4 | 74 | 28 | 59 |
| HDP-310/10-R120 | 10 | 120 | 95 & 82 | 70 | 3 | 1050 | 36.8 | 29.4 | 74 | 28 | 59 |
| HDP-415/15-R240 | 15 | 240 | 95 & 82 | 70 | 4 | 1050 | 55.2 | 44.1 | 90 | 36 | 68 |
| HD-420/20-R240 | 20 | 240 | 130 & 110 | 88 | 4 | 650 | 80.5 | 54 | 90 | 42 | 72 |
| HD-425/25-R240 | 25 | 240 | 130 & 110 | 88 | 4 | 820 | 102 | 68 | 90 | 42 | 72 |

DUPLEX MODELS - 2-STAGE (MAXIMUM OPERATING PRESSURE 175 PSIG)

| COMPRESSOR MODEL | H.P. | RECEIVER SIZE U.S. GAL | CYLINDER SIZE - MM | | NO. OF CYL | PUMP SPEED RPM | TOTAL PISTON DISPL. CFM | FREE AIR DELIVERY @ 170 PSIG | OVERALL DIMENSIONS HORIZONTAL RECEIVERS - INCHES | | |
|---------------------|------|------------------------|--------------------|--------|------------|----------------|-------------------------|------------------------------|--|----|----|
| | | | BORE | STROKE | | | | | L | W | H |
| HDP-205/5X2-R120G | 10 | 120 | 95 & 82 | 70 | 2 | 980 | 35.2 | 27.4 | 75 | 40 | 66 |
| HDP-307/7.5X2-R240G | 15 | 240 | 95 & 82 | 70 | 3 | 800 | 56 | 44.8 | 90 | 51 | 70 |
| HDP-310/10X2-R240G | 20 | 240 | 95 & 82 | 70 | 3 | 1050 | 73.6 | 58.8 | 90 | 51 | 70 |
| HDP-415/15X2-R240G | 30 | 240 | 95 & 82 | 70 | 4 | 1050 | 110.4 | 88.2 | 90 | 51 | 70 |
| HD-420/40-V240 | 40 | 240 | 130 & 110 | 88 | 4 | 650 | 161 | 108 | SPECIAL ARRANGEMENT | | |
| HD-425/50-V240 | 50 | 240 | 130 & 110 | 88 | 4 | 820 | 204 | 136 | SPECIAL ARRANGEMENT | | |

* 40 & 50 HP systems are base mount and will be used with a remote receiver. Drawings will be supplied for arrangement of compressors to suit user's floor space.

CABINET ENCLOSED MODELS – SOUND ATTENUATED



The Swan cabinet enclosed compressors offer an attractive package which is complete with all electrical controls including magnetic motor starter, air pressure switch, air-cooled aftercooler, surge receiver with auto drain, and vibration isolation. The packages are modified by APPL, and special inspection approved for electrical compliance with the Canadian Electrical Code, and suitable for legal use in all Canadian provinces. These quiet units can be supplied with either single stage or 2-stage pumps. Refer to the foregoing tables for performance specifications. The noise levels and package dimensions are as follows.

| MODEL | NOISE LEVEL | WEIGHT-LBS | DIMENSIONS - INCHES |
|------------|-------------|------------|----------------------|
| SDU-203C-1 | 60 dBA | 430 | 33.5 X 28.75 X 41.75 |
| SDU-205C-1 | 68 dBA | 463 | 33.5 X 28.75 X 41.75 |
| SDU-310C-1 | 67 dBA | 640 | 37.8 X 32.7 X 50.4 |
| SDU-415C-1 | 75 dBA | 728 | 39.4 X 38.2 X 50 |