

REDSTAR DIS-685ESS



ROTARY SCREW, SINGLE-STAGE COMPRESSION, OIL COOLED

Highly reliable and durable

The advanced design of the non-friction, twin screw airends enables the DIS series compressors to generate consistently steady streams of air. The special bearings incorporated into the airends are carefully selected for use with twin screws and are highly reliable and durable.

High efficiency and low fuel consumption

The engine speed control system, developed by Denyo, incorporates a highly efficient screw that saves fuel and improves performance at all rated conditions and guarantees high overall operating efficiency from no-load to full-load conditions. Fuel consumption has also been significantly improved at light and medium load level.

Dependable low temperature start-up

The new type airend and large battery built into the compressors have improved start-up at low temperatures and a start relief valve also makes start-up easier.

Highly safe from start-up to shut-off

All models are equipped with an automatic blowoff valve that releases residual air pressure when the compressor is shut off. This makes restarting the unit easier. The DIS-130 and larger units are equipped with a protective device which prevents the machine from restarting accidentally due to residual air pressure.

All air compressors can be stopped merely by turning the engine key to the STOP position, eliminating the need for the manual stopping levers or buttons used on previous models.

Air bleeding no longer necessary

Unlike larger units equipped with automatic air bleeder or emergency shut-off devices as standard equipment, the DIS-90 and smaller units no longer require air bleeding. The engine can be started at any time without air bleeding.

For more information, refer to the emergency shut-off device and automatic air bleeder sections on the back cover page.

Salt damage virtually eliminated

DIS-600 and larger compressor models are coated with an anticorrosive substance that prevents damage due to salt and moisture and stainless steel bolts have also been used on the exterior. Denyo's high standards for electrical wiring and connector insulation have been utilised in these new and improved machines.

Low noise level

These small, lightweight compressors are equipped with a unique soundproofing system. The average value of noise at a distance of 7m in any direction is 64-76dB(A) at rated operation.

Transportation made easy

These lightweight and compact compressors feature a one-point lifting eye that makes moving the unit at the work site quick and easy. All compressors, including trailer types are equipped with a lifting eye.

Parking brake is standard equipment

All 4-wheel trailer type units are equipped with parking brakes.

SPECIFICATIONS

COMPRESSOR

| | | |
|-------------------|---------------------------|--|
| Type | | Rotary screw, single-stage compression, oil cooled |
| Rated Pressure | MPa (psi) | 0.69 (100) |
| Air Delivery | m ³ /min (cfm) | 19.4 (685) |
| Air Tank Capacity | m ³ | 0.20 |
| Service Cock | Size x Q'ty | 20Ax3, 50Ax1 |

ENGINE - 4 cycle, water-cooled, diesel engine

| | | |
|----------------------------------|-------------------|-------------------------------|
| Model | | Hino J08C-UT |
| Type | | Direct injected, turbocharged |
| No. of Cylinders (Bore x Stroke) | mm | 6 - 114x130 |
| Displacement | L | 7.961 |
| Rated Output | kW (PS) | 134.5 (183) |
| Rated Revolution | min ⁻¹ | 1800 |

DIMENSIONS, WEIGHT & SOUND LEVEL

| | | |
|-------------------------|----------|----------------|
| Length x Width x Height | mm | 3830x1600x2035 |
| Dry Weight | kg | 3060 |
| Sound Level | 7mbD (A) | 68 |