

LT1 LV1

Air-cooled
direct injection
diesel engines

Specifications & Technical Data



The right diesel
for the job.

CONSTRUCTION

- Cast iron cylinder for durability
- Large bearing surfaces for the bearing main and crank pin

VALVES

- 27° valve angle for maximum intake, leading to the highest scavenging efficiency
- 20° valve overlap for working at low speeds without air

COOLING

- Air cooling by means of a highly efficient fan-cooled fan
- Designed for continuous operation in ambient air up to 50°C (122°F)

APPLICATION

- Self-priming design for applications of water pumps in all different bearing systems
- 50° crank angle for 100° beam

AVAILABILITY AND SERVICE

- Diesel engine construction with low noise rating and low vibration
- Service facilities 24/7

PERFORMANCE

- 271° crank angle is suitable for the manufacture of a fast gear engagement in the Swiflow bearing on the fan
- 20° valve overlap is suitable for the manufacture of a starting fan for use in the bearing on the fan
- Starting fan for use in the bearing on the fan
- 50° crank angle is suitable for the manufacture of a starting fan for use in the bearing on the fan
- 50° crank angle is suitable for the manufacture of a starting fan for use in the bearing on the fan



PERFORMANCE

- Maximum power is provided for the constant speed (75%) or variable speed (bearing on Swiflow)

PERFORMANCE

- 271° crank angle is suitable for the manufacture of a fast gear engagement in the Swiflow bearing on the fan

PERFORMANCE

- 50° crank angle is suitable for the manufacture of a starting fan for use in the bearing on the fan

PERFORMANCE - 271° (271°)

Engine Speed (rpm)		Continuous Power			
		kW (hp) (kW) (hp)			
		471	420	370	320
1000	50	3.0	3.7	3.2	2.4
	50	3.0	3.0	3.2	3.0
1500	50	3.0	3.0	3.0	3.0
	50	3.7	3.0	3.0	3.0
2000	50	4.0	4.0	4.0	3.0
	50	4.0	3.0	3.0	3.0
2500	50	4.0	3.0	3.0	3.0
	50	4.0	3.0	3.0	3.0
3000	50	4.0	3.0	3.0	3.0
	50	4.0	3.0	3.0	3.0
3500	50	4.0	3.0	3.0	3.0
	50	4.0	3.0	3.0	3.0

PERFORMANCE - 50° (50°)

Engine Speed (rpm)		Intermittent Power	
		kW (hp) (kW) (hp)	
		370	320
1000	50	3.0	3.0
	50	3.0	3.0
1500	50	3.0	3.0
	50	3.0	3.0
2000	50	3.0	3.0
	50	3.0	3.0
2500	50	3.0	3.0
	50	3.0	3.0
3000	50	3.0	3.0
	50	3.0	3.0
3500	50	3.0	3.0
	50	3.0	3.0

