

Basic data

Engine model	.....	6M16G275/5
Configuration N°	.....	DHM16D0028*01
N° of Cylinders / Valves	.....	6 / 12
Cylinders arrangement	.....	In line
Displacement (L)	.....	9.726
Thermodynamic Cycle	.....	Diesel 4 stroke
Cooling System	.....	Liquid (water + 50% antifreeze)
Injection System	.....	Direct
Fuel System	.....	Mechanical Pump
Aspiration	.....	Turbocharged and Aftercooled
Flywheel housing	.....	SAE 1
Flywheel	.....	14"
Max. working ambient temperature	.....	See derating curves
Max. working altitude	.....	See derating curves
Front engine mounting brackets	.....	Supplied mounted
Rear engine mounting brackets	.....	Supplied mounted

Lubrication system


Lubricating oil low pressure alarm sensor (LOP)	.....	Supplied
Lowest oil pressure alarm (shutdown) (Bar)	.....	0.9 / 1 from Apr. 2019
Lubricating oil temperature sensor for gauge supplied	.....	0-10 Bar Vdo match scale
Replaceable oil filter(s)	.....	Supplied
Oil dipstick mounted	.....	Supplied
Manual oil drain pump	Not supplied

Intercooling system

Intercooler type	Air to Air
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Air intake system

Air filter(s) with connection pipe(s) with replaceable cartridges supplied	Separate to be mounted
Visual indicator for dirty filter	.....	Supplied
Electrical air heater	.....	Optional

	Model : 6M16G275/5	Date : 14/01/19
	PowerKit Engine Scope Of Supply	Page : 2 / 3

Cooling system with standard radiator

Execution with radiator

System designed for ambient temperature up to (°C)	50
Radiator with connecting parts supplied	Separate to be mounted
Radiator type	Mechanical
Fan type	Belt driven pusher
Front radiator guard	Supplied
Fan guard	Supplied
Low water level sensor	Not supplied
Coolant capacity of radiator and pipes (L)	22

Execution without radiator


Radiator	Not supplied
Connection pipes between engine and radiator	Not supplied
Flexible pipes for connection	Not supplied
Fan	Not supplied
Protection guards	Not supplied

Common data for both the above mentioned versions

Coolant capacity of the engine (L)	22
Coolant high temperature alarm sensor (HWT)	Supplied
Coolant alarm (shutdown) temperature (°C)	103 / 105 from Apr. 2019
Coolant temperature sensor for gauge supplied	40-120°C Vdo match scale

Exhaust system

Dry type exhaust pipe with heat shield	Supplied
Flange installed on the exit of the exhaust system	Supplied
Counter-flange with gasket and bolts for exhaust pipe connection	Supplied
Exhaust expansion joint with flanges	Optional
Muffler	Not supplied

	Model : 6M16G275/5	Date : 14/01/19
	PowerKit Engine Scope Of Supply	Page : 3 / 3

Fuel system

GovernorElectronic
Governor conforms to ISO 8528-5Class G2
Fuel filter mounted typeFine double type
Primary fuel filter / water separatorSupplied
Fuel priming pump typeMechanical
Fuel cut off electrical valveNot supplied

Electrical system

Electrical system voltage (negative to ground) (Vdc)24
Starter power (kW)8.5
Battery charger current (A)55
Engine electrical wiringNot supplied

Painting

“Moteurs-Baudouin” Blue for the diesel engine
Standard supplier for radiator, alternator battery charger, pipes and air filter(s)

Testing

Standard factory test not witnessed
Test report available only upon request

Documentation

Operation & Maintenance Manual in English language Supplied in soft copy

Packaging

Wooden pallet + plastic cover

Tools

Standard tool box Optional

Spare parts

One set of spare parts for first maintenance interval : oil + fuel filters + V-belts Optional