1-1 Air Starting Motor - SM

Air Starting Motor - SM

- SM07-Y
- SM07-P
- SM10-V

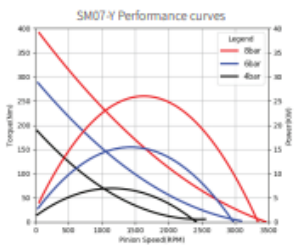
Turbine starting motors ensure a smooth engine start with the power of compressed air. Turbine starting motors are cost-effective, safe, reliable, environmentally friendly and efficient. We supply high-quality turbine starting motors to renowned engine manufacturers around the world with timely delivery

- Counterclockwise(ccw) or clockwise(cw) rotation
- Various applications according to gear ratio, nozzle, and pinions
- Slow turning option
- Generators for ships and onshore applications, including medium-speed diesel engines, oil and gas industry, mining industry and heavy haul trucks

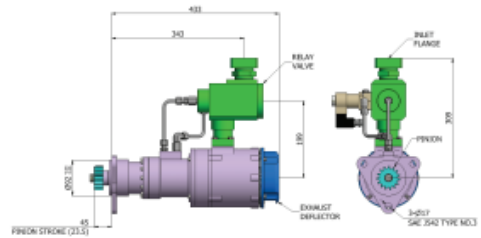
SM07-Y

SM07-Y	
Maximum output power (kW)	25.99
Maximum output torque (Nm)	401
Maximum working pressure (bar)	8
Speed at max. power (rpm)	1630
Maximum speed (rpm)	3456
Net weight (kg)	23

Performance curve



Exterior drawing

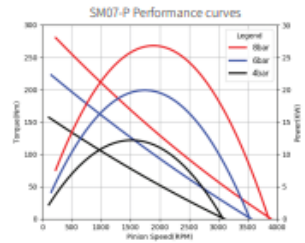


PINION, INLET AND EXHAUST CONFIGURATION CAN BE VARIED UPON REQUEST.

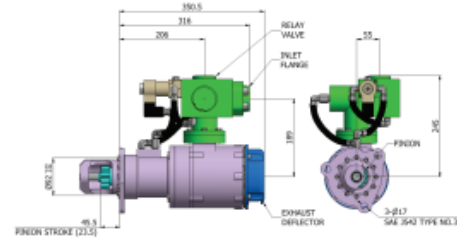
SM07-P

SM07-P	
Maximum output power (kW)	26.81
Maximum output torque (Nm)	302
Maximum working pressure (bar)	8
Speed at max. power (rpm)	1893
Maximum speed (rpm)	3894
Net weight (kg)	22

Performance curve

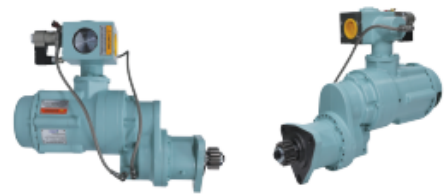


Exterior drawing



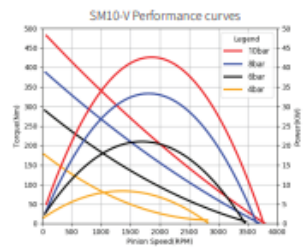
PINION, INLET AND EXHAUST CONFIGURATION CAN BE VARIED UPON REQUEST.

SM10-V

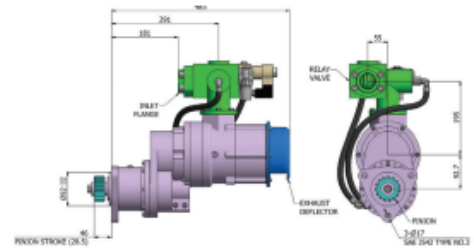


SM10-V	
Maximum output power (kW)	42.6
Maximum output torque (Nm)	492.5
Maximum working pressure (bar)	10
Speed at max. power (rpm)	1862
Maximum speed (rpm)	3855
Net weight (kg)	35

Performance curve



Exterior drawing



PINION, INLET AND EXHAUST CONFIGURATION CAN BE VARIED UPON REQUEST.

1-2 Air Starting Motor - SM Slow Turning

Air Starting Motor - SM Slow Turning

- SM07-Slow Turning
- SM10-Slow Turning

Slow turning starting motor is used to prevent damage to engine parts due to water, lubricant, and fuel remaining in the combustion chamber when the engine is started.
Slow turning devices supply low pressure compressed air, run the engine at low RPM, and push fluid out of the combustion chamber. When the RPM reaches the optimum level, the starting motor initiates the engine using high-pressure compressed air.

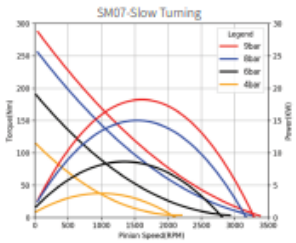
▸ **Control convenience**
Pressure gauge mounted on the regulator allows easy pressure control

▸ **Cost reduction**
No additional program or controller required to control rotation speed

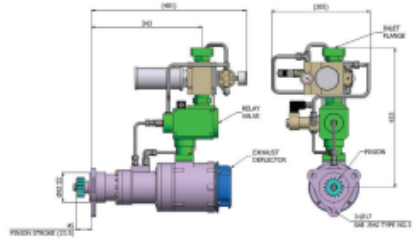
SM07-Slow Turning

SM07-Slow Turning	
Maximum output power (kW)	18.26
Maximum output torque (Nm)	293.7
Maximum working pressure (bar)	9
Speed at max. power (rpm)	1604
Maximum speed (rpm)	3377
Net weight (kg)	27

Performance curve



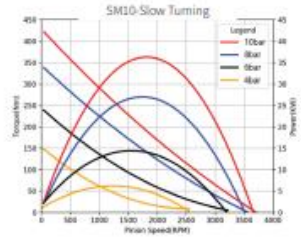
Exterior drawing


PINION, INLET AND EXHAUST CONFIGURATION CAN BE VARIED UPON REQUEST.

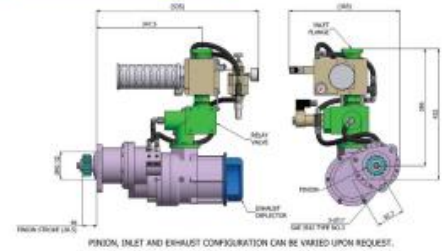
SM10-Slow Turning

SM10-Slow Turning	
Maximum output power (kW)	36.28
Maximum output torque (Nm)	428.3
Maximum working pressure (bar)	10
Speed at max. power (rpm)	1818
Maximum speed (rpm)	3710
Net weight (kg)	44

Performance curve



Exterior drawing


PINION, INLET AND EXHAUST CONFIGURATION CAN BE VARIED UPON REQUEST.

Installation photos


SM07


SM07


SM07


SM10


SM07 Slow Turning


SM10 Slow Turning