

ARCUSAFLEX® + electromagnetic clutch

Data required for coupling size selection

General

- Project: _____
- Application (CHP, emergency power generator, fire pump, ...): _____
- Operating mode (continuous operation, emergency power operation, ...): _____
- Place of operation/location: _____ Ambient temperature: T_u _____ [°C]
- Certification/class/requisite rules for selecting the coupling size: _____
- Switching frequency: _____
- Operating/switching description: _____
- Switching speed: _____
- Switching load-free or loaded: _____

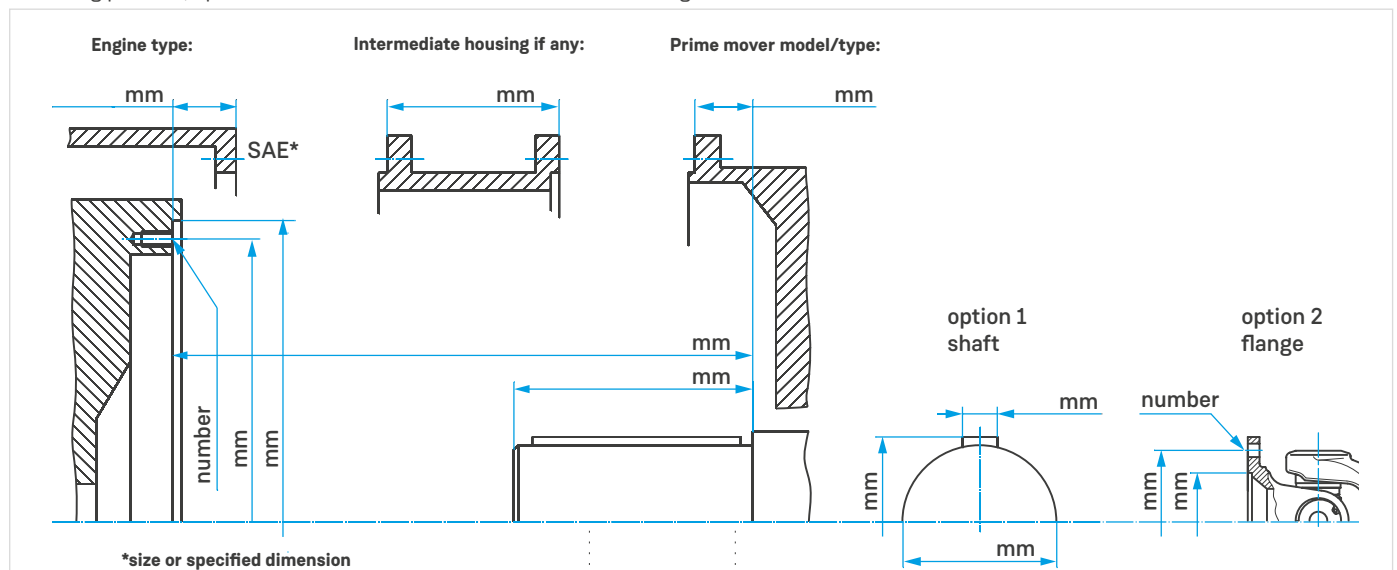
Engine side

- Engine (manufacturer, designation/type): _____ Diesel Gas
- Engine power (nominal operation): P _____ [kW]
- Engine speed (nominal speed): n _____ [min⁻¹]
- Idling speed available? yes no
If adjustable from: n _____ [min⁻¹] to _____ [min⁻¹]
- If variable speed operation, speed range from: n _____ [min⁻¹] to _____ [min⁻¹]
! Please attach corresponding speed/torque/power diagram.
- Total stroke volum: V_H _____ [ccm] R/V (angle): _____ Number of cylinders: _____
- Moments of inertia engine incl. damper without flywheel: J _____ [kgm²]
Moments of inertia flywheel: J _____ [kgm²]
Total moments of inertia of the engine (incl. damper, flywheel, etc.): J _____ [kgm²]

Output side

- Type (generator, pump, compressor, ...): _____
- Type (manufacturer, designation): _____
- Moments of inertia: J _____ [kgm²]
- Connection dimensions (D x L, flange, ...): _____
! For branched systems: System sketch with details of the individual inertias (with details of the reference speed) and transmission ratios.

If the prime mover is to be flange-mounted to the engine with an intermediate housing, we require the following to determine an optimum mounting position; specified details and dimensions as in the following sketch:



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