

SoftDrive J 54 - J 205



SoftDrive for cost effective operation

Sulzer offers a built in SoftDrive concept on the J 54 to J 205 pumps. It reduces starting current dramatically and provides a smooth operation for both the power net and pump equipment. The pump can be started with a smaller sized generator compared to a standard direct on line started pump.

Reduces starting current dramatically

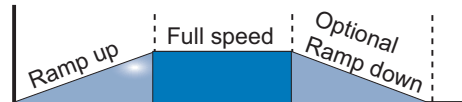
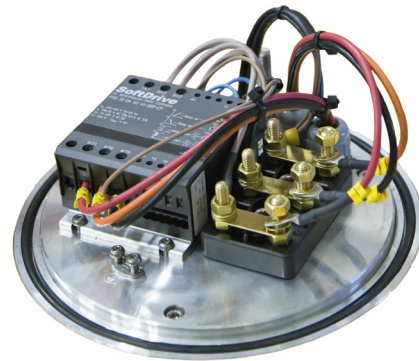
The starting current is reduced to approximately 50-60 % compared to pumps with D.O.L. start. This is particularly important when pumps are used with generators, as the reduced starting current minimises the risk of costly down time caused by generator trip outs.

Provides a smooth operation

The primary cause for water hammer in pumping systems is abrupt changes of flow through the pump and piping system. To minimise the problems associated with water hammer, it is greatly preferred to have smooth changes of velocity in the system. The SoftDrive provides this feature.

Intelligent protection built into the pump

The Sulzer standard and reliable motor thermal overloads are complimented by the SoftDrive which adds protection checking the phase sequence (impeller rotation) from the power net to secure the optimal operation of the pump. Eventual phase failure is checked before the pump is started. The pump is automatically stopped in case of excess motor temperature, and will automatically restart again when the temperature has decreased below a preset value.



SoftDrive kits

SoftDrive kits* 400-460 V, 50/60 Hz available to build-in on J 54-J 205.

Type	P/N	Description	Ampere
J 54	00831695	PSD 33DA 4015-CP	15 A
J 84	00831696	PSD 33DA 4025BP-CP	25 A
J 205	00831026	PSD 33DA 4040DBP-CP	43 A

*Complete installation kits including fitting plates for easy service.

Starting current/
Nominal current I_N

