

Parameter	Value
Nominal Values	
f_b, S_b, V_b	50 Hz, 100 kVA, 415 V
Grid	
$R_{g,0}, L_{g,0}$	0.15 Ω , 160 μ H
Motor-Drive (Specifications)	
Model	Danfoss FC301
Switching frequency (f_{sw})	2.5 kHz
Rated Power	4 kW
Motor-Drive (EMI Filter)	
R_{dm}, L_{dm}	0.1 Ω , 5.3 mH
Coupling Coefficient	0.98
C_{x1}, C_{yac}, C_{x2}	1.5 μ F, 470 nF, 100 nF
Motor-Drive (DC Filter)	
L_{dc}, C_{dc}	1.25 mH, 1 mF
C_{ydc}	100 nF
Induction AC Motor	
Nominal Speed	3000 rpm
Rated Power	5.5 kW