





Danfoss VLT and VACON VFD Selection Guide

FC51 - VLT Micro Drives		Product
Power Rating	0.18KW to 22KW	
Available Voltages	1Phx200-240V / 3Phx200-240V/3phx380-480VAC	
IP Rating	IP20	
FC360 - Automation Drive		
Power Rating	0.37KW to 75KW (HK37 to Q75K)	
Available Voltages	380-480V AC	
IP Rating	IP20	
FC302 - Automation Drive		
Power Rating	0.37KW to 1200KW (PK37 to P1M2)	
Available Voltages	200-240V / 380-480V / 380-500V / 525-600V / 525-690VAC	
IP Rating	IP00/IP20/IP21/IP54/IP55/IP66	
FC101 HVAC Drive		
Power Rating	0.37KW to 90KW (PK37 to P90K)	
Available Voltages	200-240V / 380-480V / 525-600V	
IP Rating	IP20 & IP54	
FC102 Advanced HVAC Drive		
Power Rating	1.1KW to 1400KW (P1K1 to P1M4)	
Available Voltages	200-240V / 380-480V / 525-600V / 525-690VAC	
IP Rating	IP00/IP20/IP21/IP54/IP55/IP66	
FC103 VLT Dedicated Refrigeration Drive		
Power Rating	1.1KW to 800KW (P1K1 to N800)	
Available Voltages	200-240V / 380-480V / 525-600V / 525-690VAC	
IP Rating	IP00/IP20/IP21/IP54/IP55/IP66	
VLT AQUA Drive FC202		
Power Rating	0.25KW to 2MW (PK25 to 2M0)	
Available Voltages	200-240V / 380-480V / 525-600V / 525-690VAC	
IP Rating	IP00/IP20/IP21/IP54/IP55/IP66	
VLT Midi Drive FC280 -Advanced high end product for proces Industries		
Power Rating	0.37KW to 22KW (PK37 to P22K)	
Available Voltages	1Phx200-240V / 3Phx200-240V/3ph	
IP Rating	IP20	
Flexible Communication	ModBusRTU/ProfibusDP/CANopen/	
Vacon 20		Product
Power Rating	0.37KW to 18.5KW	
Available Voltages	380-480VAC	
IP Rating	IP20 / IP21	
Vacon 100 Industrial		
Power Rating	0.55KW to 800KW	
Available Voltages	380 - 500V / 525-600VAC	
IP Rating	IP00 / IP21 / IP54	
Vacon NXP / NXI /NXC/NXA Series VFD		
Power Rating	0.37KW to 5MW	
Available Voltages	380 - 500V / 500-690VAC	
IP Rating	IP00 / IP21 / IP54	



Soft Starters VLT MCD500		Product
Current Rating	21A to 1600Amps	
Available Voltages	200-525-600V / 380-690VAC	
Control Voltage	24AC/DC or 110V/220VAC	
ByPass Contactor	Intl Bypass Contactor / Continuous WO Intl Bypass Contactor	
IP Rating	IP00/IP20	
Soft Starters VLT MCD600		
Current Rating	21A to 579Amps	
Available Voltages	200-525-600V / 380-690VAC	
Control Voltage	24AC/DC or 110-120V or 220-240VAC	
ByPass Contactor	Intl Bypass Contactor	
IP Rating	IP00/IP20	

Applications Based VFD Selection

General Purpose	VLT FC51 / Vacon 20
Automation Drives	VLT FC360 and FC302
AHUs	FC101 , FC51 and Vacon20
HVAC & Clean Room	FC102 & FC101
Compressors	FC302, FC301, FC360 & Vacon100
Refrigeration	FC103 Dedicated Drive
Cranes & Material handling	FC302, FC301, FC360 & VaconNXP
Food Industries	FC Midi280 & One Gear Drive
Extruders & Blenders	FC302, FC301, FC360 & VaconNXP
Cement Klin & Mills Applications	VaconNXP & VLT FC302
Fan, Blower and Pumps	VLT FC101,FC102,FC360 &FC51
AQUA STP & WTP Plant	VLT AQUA FC202
Energy Storage System / AC/DC	VaconNXP / FC302, FC301, FC360
Crushers,Agitators, Centrifuges & Reactors	FC302, FC301, FC360 & Vacon100

Type of Industries Meets

Chemical & Pharma	Food & Beverages	Dairy Industries
Cold Storages	Steel & Cement	Paper & Pulp
Sugar Industries	Mega Food Parks	Textile Parks
Railways	Power Plants	Aerospace
Dall, Oil & Rice Mills	Spices and Confectionery	Original Equipment Manufactures
Poultry and Feed Industries	Meat Processing Industries	Processing Ind
Cables and Wire Drawing	Hotels/Malls & Multiplex	Software Industries
Water and Waste Water & Smart Cities	Hybridations / EV Vehicle	

