

KCS INDUSTRIAL HIGH RELIABILITY VARIABLE SPEED DRIVE BYPASSES, PROVIDE THE ASSURANCE THAT YOU WON'T GO DOWN.



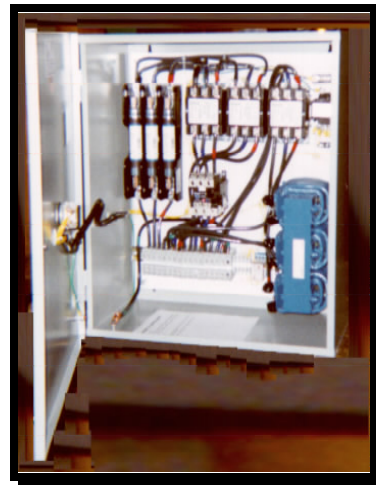
- 1-250 HP
- 208/480/600/660/690 Vac
- Entela approved UL/CSA

A range of options are available to suit your particular requirements:

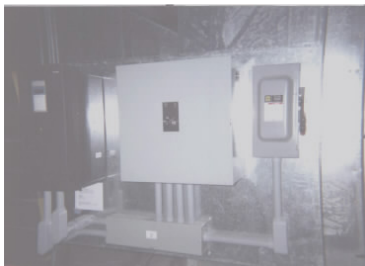
- Various mounting kits (drive and bypass can be mounted together or separately)
- Nema 1, Nema 3 and Nema 4 enclosure types
- Fuses can be included on the bypass side, on the drive side or on both sides



- Input line reactors
- Output line reactors
- Spike suppression
- 2 or 3 contactor models
- Internal disconnects
- Soft starts on bypass function



Standard Complete Packages NTB/AC style



Joined Packages



TECHNICAL SPECIFICATIONS INDUSTRIAL / HVAC BYPASS

Cabinet paint	Grey Enamel ANSI / ASA 61 CSA certified
Cabinet Size	18x18x6 (-) 20x20x10 (-) 24x24x10 (-) 36x36x12 (-) 48x48 16
Enclosure Type	Nema 1 & Nema 3 & 4
Bypass Type	3 Contactor provides total isolation
Contactor type	AC3 & AC4
Contactor Operating temp	-15 C – + 60 C
Contactor Insulation	Class B
Contactor Electrical Life	1,100,000 Operations
Contactor Mechanical Life	10,000,000 Operations
Overload Type	Thermal / Magnetic / Short Circuit / High Interruption / Class 10 / 20
Overload Short Circuit Proof	100KA
Reset Type	Manual Type
Overload Mechanical Life	100,000 Operations
Overload Operating Temp	-15 C – + 60 C
Overload Control Shut Down	Control Supply
Bypass Voltage options	208 / 460 / 600 / 660 / 690 3ph
Bypass Control Voltage options	24 Vac / 120 Vac
Freeze Stat Shut Down	Complete Control Isolation Command & Control Supply
Fire Shut Down	Complete Control Isolation Command & Control Supply
Field Connection Entry Allowance	Inside Case to Terminal Blocks Min 2.75 in
Terminal Block Max Voltage	800 Volts
Interconnect Format	[LINE SUPPLY] - [MOTOR] - [VSD-IN] - [VSDOUT] - [SHUTDOWN CNTRL]

THE FOLLOWING OPTIONS ARE WITHIN THE BYPASS CABINET

Power Surge Arrestor	(Added Option)
Rated Ac Voltage	680
Avg Power Dissipation	1 W
Transient Energy	250 j
Peak Amps	6500 A
Clamping Voltage	1815
Clamping Current	1100 A
Response Time	< 15 nsec
Operating temp	-25 – + 60 C
Input / Output Filter	(Added Option)
Impedance	5% / 600 vac
Operating Temp	-15 C - +60 C
Drive Fusing	(Added Option)
Fuse Type	Fast Acting or Semiconductor type as required
Bypass Fusing	(Added Option)
Fuse Type	Time Delay Class 10 / 20 / 600 v
SFT logic system	(Added Option)
SFT	System Fault Tolerant Bypass
Bypass Front Control	(Added Option)
Function	Standard (VSD/OFF/BYPASS) or (VSD/TEST/OFF/BYPASS)
Indicator Light Status	(Added Option)
Format	Bypass / Power / VSD
Internal Disconnect	(Added Option Main Supply In)
Softstart	(Added Option On Bypass)
Current Coil	(Added Option Per Leg)
Drive Bypass Assembly	(Added Option Rail Method)
Custom Packages	Call 01-613-271-0988 ext