

Multiple Patents Pending

The only explosionproof VFD solution utilizing NEMA 7 with active cooling

Cooper Crouse-Hinds Explosionproof VFDs are highly flexible AC drives designed specifically for hazardous area locations. These drives can be mounted next to the motor in the classified area, providing significant installation cost savings - along with the traditional VFD benefits of energy savings, speed and torque control, and system diagnostics.

This Cooper Crouse-Hinds innovative product features the first ever NEMA 7 enclosure with active cooling, allowing the solution to be rated Class I, Divisions 1 and 2.

Applications:

- Designed to match the high requirements of process industries, such as oil and gas, chemical, and mining
- Pumps, compressors, fans, separators, and mixers

VFD Benefits:

Improved Process Control

- Fine speed and torque control
- Soft start capability
- Improved pressure, flow, and motion control

Reduced Operation and Installation Costs

- Locate VFD in classified area, eliminating costly conduit/cable tray runs
- Eliminate control valves
- Reduced energy consumption
- No additional space required in sub-station
- Extract equipment condition and operating information
- Lower pump maintenance costs

Reliable Performance in Any Environment

- Recommended temperature range: 0°C to 50°C (consult factory for more extreme temperature guidance)
- Class I, Divisions 1 and 2
- Raintight, wet locations

Certifications and Compliances:

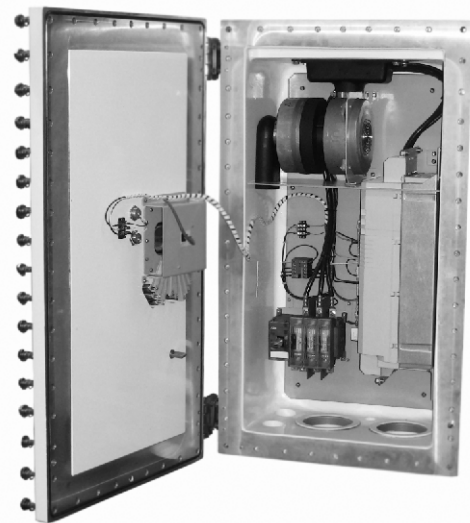
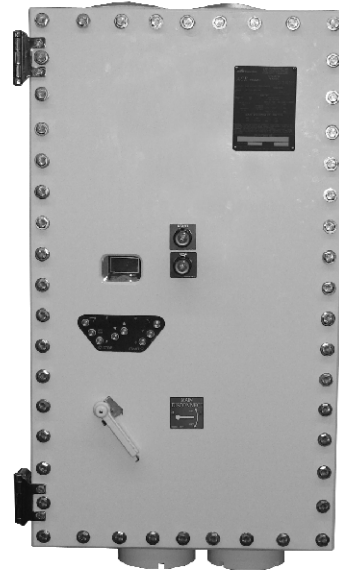
- UL Listed
Class I, Division 1 and 2, Groups B, C, D
- Standards
UL 1203
cUL: CSA 22.2 No. 30 M1986
- Environmental
NEMA 3, 4X, 7, 9
Raintight
Wet locations

Standard Materials

- Enclosure - epoxy powder coated copper-free aluminum
- Internal Mounting Brackets - natural copper-free aluminum and natural stainless steel
- Hinges, Hardware, Filter Assemblies - natural stainless steel
- Gaskets - neoprene
- Glass - tempered soda lime

Horsepower Ratings:

- Available up to 60HP
- Higher HP ratings coming soon



ACE Series Explosionproof Variable Frequency Drives

Cl. I, Div. 1 and 2, Groups B, C, D
UL Listed

NEMA 3, 4X, 7, 9
Raintight
Wet Locations

6C

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Ordering Information:

Catalog Number	Disconnect Rating (Amps)	Disconnect Fuse Type	Enclosure Size	Input Rating (Amps)	Nominal Horsepower	Output Rating (Amps) 0°C to 25°C	Output Rating (Amps) 25°C to 40°C	Output Rating (Amps) 40°C to 50°C	Weight
ACE10 1 3				2.3	1.0	2.80	2.5	2.3	257
ACE10 2 3				3.1	2.0	3.40	3.0	2.8	257
ACE10 2 5				4.0	2.0	4.50	4.0	3.7	257
ACE10 3 6	30	J	1	5.5	3.0	5.50	4.8	4.6	257
ACE10 5 8				6.6	5.0	7.60	6.7	6.3	257
ACE10 5 10				8.7	5.0	9.70	8.5	8.1	262
ACE10 8 13				12	7.5	13.0	11.4	10.8	262
ACE10 10 17				16	10	16.8	14.8	13.9	262
ACE10 15 23				20	15	23	20	19	384
ACE10 20 28				26	20	28	25	23	384
ACE10 20 32	60	J	2	30	20	32	28	27	384
ACE10 30 41				36	30	41	36	34	384
ACE10 30 46				42	30	46	40	38	384
ACE10 40 57				55	40	57	50	47	397
ACE10 50 74	100	J	2	65	50	74	65	61	397
ACE10 60 90				82	60	90	79	75	397

Data in shaded area is a preliminary approximation. Contact factory for final numbers.

Options

Description	add suffix
Communication Modules	
Profibus	CP
Devicenet	CD
CAN Open	CC
Modbus	CM
Ethernet	CE
Potentiometer	
AB 800H	POT

Example: ABB 60HP VFD, 90 continuous amps at ambient of less than 25°C, with Ethernet Communications and a Potentiometer in cover.

ACE10 60 90 CE POT