

3C-HYBRID



Overview

>> **Compact design** for optimizing space while still keeping maintenance in mind

>> All enclosures **suitable for outdoor installation** with starting temperatures as low as -20° F, no space heaters required. (No additional cost)

>> A separate fan powers **forced air ventilation** which increases blower life, turndown range, and efficiencies by providing cooler air. Enables operation after shutdown to prevent heat spikes

>> **Internal junction box** for fan and additional single phase instrumentation options. Low cost option for single phase transformer for all instrumentations

>> **Internal inlet vent boxes** remove any direct line of noise for superior noise attenuation through engineered foam panel design

>> **Extended oil drain hoses** for easier changes

>> **All maintenance with easy access** from the front and back of enclosure for side-by-side installation

>> **Auto-tension base** designed specifically for your system to lessen corrections required by others' auto-tension systems

Pain/Solution

YOUR PAIN	OUR SOLUTION
Wider variance in VFD turndown	SAVES ON ENERGY

	(due to wider temperature and RPM range)
Vibration issues and pipe resonance (lowering blower life and causing noise)	LOWER PULSATIONS AND VIBRATIONS (Screw Rotor has lower pressure differentials resulting in lower pulsations)
Blower failure due to heat	WIDER TEMPERATURE RANGE UP TO 350° F (blower runs cooler due to more air movement across twisted impellers)
Extreme noise level	ENCLOSURE + LOWER PULSATIONS (as noted above) (will result in lowest noise levels for your operation)
Failures due to high temperature in enclosure	ELECTRICAL FAN SEPARATED FROM MOTOR CONTROLS (when blower is turned down it runs hotter, but our fan still moves air 3x – 4x faster per minute)

Our Difference

>> **Internal flex joints** provided with our systems maximize the prevention of vibration transmission

>> **NEMA frame motors** are standard to ensure domestic parts availability. *(Competitors use IEC frame motors)*

>> **Vibration isolation mounts** encased in metal for longer life and lower installation requirements

>> **Forklift slots** for easy installation of our “plug and play” design are covered when in place for superior attenuation

>> **Unloading valve is not required.** Superior construction materials in blower optimize efficiency, performance and life of your compressor. Our compressor can be started under full load to help line purging

UBPstandardFLEX

UBPstandardFLEX provides you with all the benefits of a standard, pre-engineered system with FLEXibility to better suit your applications and needs. Your FLEXibility starts up front with a team of Sales Engineers to help find a solution to your pain. Whether it's enclosure material or finish options, explosion proof environments, or 3 phase transformer for instrumentation, our 3C-HYBRID can be FLEXed to offer you the widest range of blowers to specifically match your performance while maintaining a standard price and custom feel. Email sales@universalblowerpac.com to find how standard costs meet high performance!

FLEXibility offered in the 3C-HYBRID:

