

VARIABLE SPEED AIR COMPRESSOR



- **Average 40% Energy Savings:** Achieves significant energy savings during fluctuations in air demand, as the inverter adjusts motor output to precisely match required air volume.
- **IE3 Permanent Magnet Motor:** Delivers high efficiency with a service life of over 15 years.
- **Bearing-Free Motor Design:** Reduces maintenance costs by eliminating bearing overhaul requirements.
- **Integrated Air-End and Motor Design:** Directly connects the rotor shaft to the motor for 100% energy transmission efficiency.
- **Color Touchscreen Display:** Features reminder and record functions for clear, real-time monitoring of compressor status.
- **High Demagnetization Temperature:** Permanent magnet motor is rated up to 300°F, enhancing reliability.
- **VSD Soft Start:** Reduces start-up current to protect the factory power network.



MODEL: HV50

ITEM	TECHNICAL PARAMETERS			
MODEL	HV50		HV50	
POWER	50HP			
F.A.D	222 CFM		197 CFM	
MEDIUM	AIR			
RATED PRESSURE	116 PSI		145 PSI	
COOLING METHOD	AIR-COOLED			
TRANSMISSION METHOD	DIRECT DRIVE			
AIR DISCHARGE TEMPERATURE	AMBIENT TEMPERATURE +59°F			
CONTROL MODE	MICROCOMPUTER CONTROL SYSTEM			
START MODE	VSD			
AIR INLET TEMPERATURE	32-114°F			
AMBIENT TEMPERATURE	23-113°F			
AIR INLET PRESSURE	14.7 PSI			
MOTOR ROTATION SPEED	3000R/MIN			
MOTOR PROTECTION LEVEL	IP23			
MOTOR INSULATION LEVEL	F LEVEL			
MOTOR SERVICE FACTOR	1.15			
POWER SUPPLY	460V-60Hz-3PH			
MAXIMUM RELATIVE HUMIDITY	0.95			
AIR OUTLET CONNECTION	1.5"		1.5"	
DIMENSION	47x40x55 IN		47x40x55 IN	
NET WEIGHT	1113 LBS		1113 LBS	
NOISE LEVEL	72+2dB (A)			