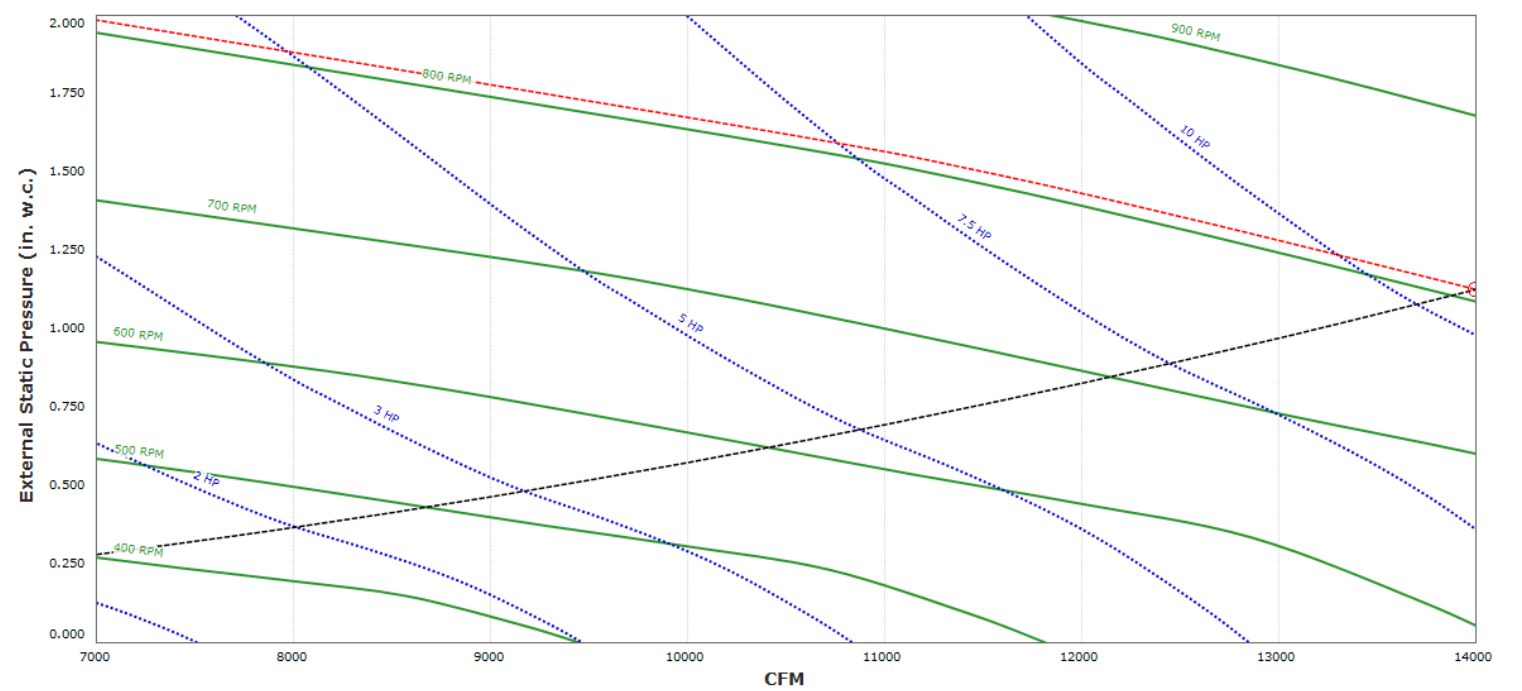


TTV 20 (#1) Weight: 2134 lbs./271 stand

Vertical Industrial Heater with a 36" burner and a 20" blower.



SUPPLY MOTOR

Model DHP0154 • 15.000 HP, 3 Phs, 230 V, 60 Hz, 35.3 FLA, ODP, Premium (E-Plus3) Eff.

SUPPLY MOTOR PULLEYS

Part Type	Qty	Browning #	Turns Out
Belt	2	BX65	
Blower Pulley	1	2BK130H	
Bushing	1	H-1 7/16	
Motor Pulley	1	2VP65 x 1 5/8	3.0

BURNER

Min Output BTU:	57,000 BTU/Hr
Max Output BTU:	1,710,000 BTU/Hr
Size:	36" long
Gas Type:	Natural

SUPPLY PERFORMANCE

Volume:	14000 CFM	RPM:	807
Tip Speed:	4225 ft/min	BHP:	10.5960

BLOWER

20"-18" centrifugal, forward curved blower. Full frame, pillow block bearings, 5000-15000 CFM, 15 MAX BHP, 1-7/16 x 39.25" Shaft, 1325 MAX RPM, used in Size 20 Industrial Horizontal/Vertical Heaters.

TEMPERATURE CONTROL

Paint Booth • Maxitrol "M" Series Programmable Control • Spray/Flash/Cure • High Temp

INTAKE

- V-BANK - 43.25" Width X 61.5" Length X 32" Height for Vertical Industrial, Standard 2" EZ Filter With Filter Intake Screen, CFA2 Max CFM = 16,000

AIRFLOW DIRECTION

- Side Discharge - Air Flow Left -> Right

FILTERS

- 12x MV EZ Kleen Metal Mesh Filter. 20"x 25"x 2" Used for heater and supply fan intakes. (3416)

STAND & SUPPORTS

- Vertical stand for Size 2 Industrial Vertical Heaters (Outdoor). 50" Wide x 65.5" Long x 76" High

Static Pressure:	1.127" w.g. (0.500" Ext. + 0.244" Int. + 0.383" Opt.)
Altitude:	0 ft

HEATING SCHEDULE

Altitude:	0 ft
Winter Outdoor Air Dry Bulb Temp:	0.0°F
Temp Rise:	110.0°F
Output BTU:	1,663,200 BTU/Hr
Input BTU:	1,807,826 BTU/Hr
Based Off:	BTUs Standard Air Density
Gas Type:	Natural

SUPPLY INSTALLATION INFORMATION

Gas Pressure:	14 in. w.c. - 1 lb.
Insurance Requirements:	No Insurance Requirement (ANSI)
Unit Voltage:	3 phs 230 V 60Hz
Unit Main Input:	46.3 Amps MCA • 80 Amps MOP • 230 V • 8 AWG Wire Min.
SCCR:	65 kAmp

CONFIGURED OPTIONS

- Gas Pressure Gauge, -5 to +15 Inches Wc., 2.5" Diameter, 1/4" Thread Size
- Ship Loose Gas Strainer. To be installed upstream of unit connection. 1" Connection
- Option for 2nd high temperature limit switch for single blower industrials
- Side Discharge Construction Size 2 Vertical Industrial With 20-18 Blowers Left to Right Discharge
- Gas Pressure Gauge, 0-35", 2.5" Diameter, 1/4" Thread Size
- Paint Booth Lighting Circuit Switch and Auto Off in Cure Mode.
- Paint Booth Purge Cycle with Light
- Fan housing assembled without the use of silicone caulk. Primarily used for paint booth applications. Use Acrylic Latex Caulk , P/N A0011848.
- High Gas Pressure Switch (1" - 20" WC) Factory set at 8" w.c. Replaces part HGP-A.
- Extra Set of V-Belts For Size Two Industrial. Only to be ordered as fan option at time fan is ordered.
- Burner ON in Cure Mode
- Clogged Filter Switch with Light on Paint Booth Control Panel
- External Side Discharge CD60 Damper for size 2 Horizontal industrial units with 20" blowers. Includes actuator.
- Auto Balance Exhaust VFD Static Pressure Control (preset to: -0.01 and 0.02)
- To control following motor(s):
- 5.00 HP, 3 Phs, 230 V, 13.6 FLA
- Variable Frequency Drive - 5 HP Max., 200/240 V, Three Phase, 16.5 A Max., NEMA 1 Enclosure PART NEEDS PROGRAMMING
- Size 2 Vertical Heater VAV Profile and Wiring Package w/ Constant Speed Control or Analog Input Control
- Supply Variable Frequency Drive - 15 HP Max., 200/240 V, Three Phase, 42.0 A Max., NEMA 1 Enclosure PART NEEDS PROGRAMMING
- Freezestat With 20' Sensor and Low Temp Light on Remote Panel. Factory set at 35°F and 10 minutes.
- VFD factory mounted and wired on industrial unit control panel.
- Industrial GM - BTU 1650000 - 1924999 - 14 in. w.c. - 1 lb., No Insurance Requirement (ANSI), BV250-88, 1" Connection.

TTV 20 SOUND (807 RPM) AT 5 FT. IN OCTAVES:							
1	2	3	4	5	6	7	8
95.7	91.2	84.9	83	78.3	74.1	69.3	66.7
LWA:	84.7	Sones:	23		DBA:	73.2	

Note: Sound data across operational range. Tested in accordance to AHRI Standard 270/370.

