

STAHL**Features:**

- Enclosures made of stainless steel for excellent corrosion resistance
- Class I, Division 2, Class I, Zone 1 certified designs
- Attractive space efficient design
- Up to 70% labor savings costs compared to explosion proof models
- Up to 70% less weight compared to explosion proof models
- No Conduit Seals Required
- Available as
 - Combination Starter
 - Manual Starter
 - Reversing Starter
 - Across the Line Starter
- Globally Certified* One part number provides Class I Division 2, AEx, ATEX, and IECEx certifications
- A variety of pushbuttons, control switches, and pilot lights available to customize your solution

*8150 models only



CLASSIFICATIONS

7150/5- Fused Disconnects

Class I, Division 2, Groups A,B,C,D T4
Enclosure 3, 4, 4x, IP 66

CEC- Class I, Division 2, Groups A,B,C,D T4
Enclosure type 3,4,4x; IP 66

File No. 3050071

Ambient Temperature Range

+40°C (+104°F) Max.
-20°C (-4°F) Min.

CLASSIFICATIONS

8150/5-* Nonfused

NEC- Class I, Zone 1 AEx de IIC T* Gb
Class I, Division 2, Groups A,B,C,D
Class II, Divisions 1 and 2, Groups E,F,G
Enclosure 3, 4, 4x, IP 66

CEC- Class I, Zone 1 Ex de IIC T* Gb
Class I, Division 2, Groups A,B,C,D
Class II, Division 1 Groups E,F,G
Enclosure type 3,4,4x; IP 66

File No. 3050071

Ex de IIC T* Gb
Ex tb IIIC T*

IECEX- PTB 09.0049

ATEX- Ex II 2G Ex de IIC T* Gb
Ex II 2D Ex tb IIIC T*
PTB 09 ATEX 1109

Ambient Temperature Range for 16A T6

+40°C (+104°F) Max.
-20°C (-4°F) Min.

Ambient Temperature Range for 25A-125A T5

+40°C (+104°F) Max.
-40°C (-40°F) Min.



8006 HP Rated Switching Device

Manual Motor Starter (Without Overload Protection)

Unique Advantages:

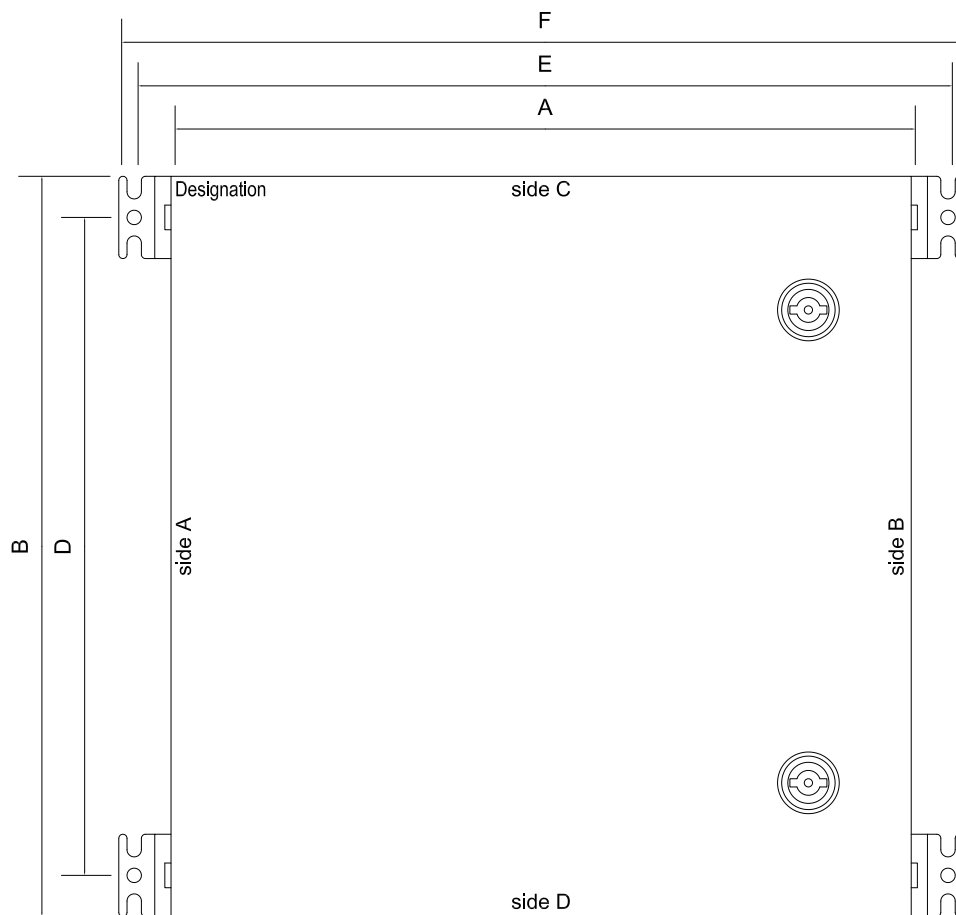
- Horse power rated switching device
- Available with FRP enclosure **
- Multi-level switching up to 12 pole **
- Ability to control multiple motors **
- Consult factory for multiple motor de-ratings requirements and additional HP ratings

** Consult Factory

Technical Data

		16 AMP.	25 AMP.
RATED VOLTAGE	AC	600	600
RATED VOLTAGE	DC	220	125
HORSE POWER	600VAC	10	15
	480VAX	10	15
	240VAC	5	7.5
	120VAC	2	3
	60VDC	-	-
	125VDC	-	3(2)*
	240VDC	-	5(3)*
TERMINALS	AWG	12	8
	STRANDED (mm ²)	1.5	10
BACK-UP FUSE (Required)	Class J	20 MAX	40 MAX

*The numbers within brackets indicate how many switch contacts need to be wired in series to achieve the indicated horsepower ratings in DC application.



Catalog Number & Description	A	B	C	D	E	F
8150/5-037-05-100-000-00	176 (6.9")	236 (9.3")	150 (5.9")	196 (7.7")	212 (8.3")	228 (9")
10HP, 16A @ 480V						
8150/5-037-05-150-000-00	176 (6.9")	236 (9.3")	150 (5.9")	196 (7.7")	212 (8.3")	228 (9")
15HP, 25A @ 480						

Applications:

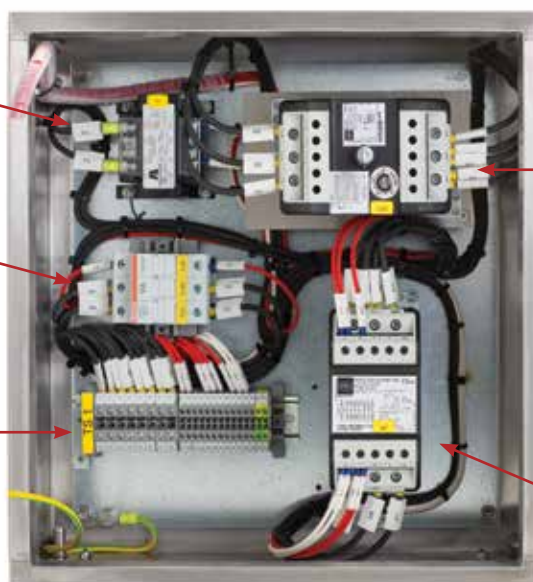
- Combination and non-combination motor starters are used in areas where hazardous materials are processed, handled or stored.
- These units provide disconnecting means, circuit protection, and motor running protection.
- For general motor control and circuit protection – indoors and outdoors – in damp, wet, dirty, dusty hazardous locations without the need for a protective shelter
- In areas where frequent washdowns are necessary or where heavy rain or water spray is prevalent
- For across-the-line starting, stopping, and reversing of polyphase AC induction motors
- To provide line disconnect means and short circuit protection
- To provide motor overload and short circuit protection
- For service entrance, feeder or branch circuit protection for lighting, heating, appliance and motor circuits

**316L STAINLESS STEEL
ENCLOSURE RATED FOR NEMA
4X & IP66**



Features:

- Motor Starter Component Ex Certification: 8523 series Motor Circuit Protectors and 8510 series Contactor are engineered, designed and manufactured as explosion protected components certified for ATEX / IECEx Zone 1, and Class I, Division 2.
- Enhanced Corrosion Resistance: 7150/8150 series enclosures are constructed of 316L stainless steel which are NEMA 4X and IP66 for better corrosion protection in offshore saltwater and petrochemical environments.
- Available up to 15 HP at 480 VAC and up to 20 HP at 600 VAC.
- 70% Labor Cost Savings:
 - 7150 / 8150 motor starters come prewired from factory and the only field installation required is the termination of load & line side cables to the provided power terminal blocks.
 - Enclosure openings can be punched in the field or come factory pre-punched.
 - No sealing fittings are required at the enclosure resulting in significant labor savings.
- Up to 70% Less Weight :
 - Up to 70% lower weight for ease of installation compared to explosion proof cast aluminum enclosures.
 - Cam-Lock fasteners can be unlatched with quarter turn versus multi turn bolts.
- Ease of Maintenance:
 - 7150 / 8150 series 316L stainless steel cover comes standard with two hinges and two Cam-Lock fasteners as opposed to up to 22 bolts fasteners.
- External Actuators: Can be pad-lockable in ON or OFF position

CONTROL TRANSFORMER**FUSE HOLDERS****INCREASED SAFETY
TERMINAL BLOCKS FOR
POWER AND CONTROL
CIRCUITS
(EASY TO WIRE)****MOTOR CIRCUIT PROTECTOR
(EXPLOSION PROTECTED)****CONTACTOR
(EXPLOSION PROTECTED)****PRE-WIRED (SIMPLY CONNECT
INCOMING AND OUTGOING WIRES TO
THE TERMINALS)**



CLASSIFICATIONS 7150/5 Series

NEC- Class I, Division 2 Groups B, C, D
Class II, Division 2 Groups F, G
Class III
Enclosure Type 3, 4, 4X; IP66

CEC- Class I, Division 2 Groups B, C, D
Class II, Division 2 Groups F, G
Class III
Enclosure Type 3, 4, 4X; IP66

Ambient Temperature Range:
+40°C (+104°F) Max.
-20°C (-4°F) Min.

Consult Factory for lower Temp (-40°C)

CLASSIFICATIONS 8150/5 Series

NEC- Class I, Zone 1 AEx de IIC T4 Gb
Class I, Division 2 Groups B, C, D
Class II, Division 2 Groups F, G
Class III
Enclosure Type 3, 4, 4X; IP66

CEC- Class I, Zone 1 Ex de IIC T4 Gb
Class I, Division 2 Groups B, C, D
Class II, Division 2 Groups F, G
Class III
Enclosure Type 3, 4, 4X; IP66

Ex II 2G Ex de IIC T6
PTB 09 ATEX 1109

Ex II 2D Ex tD A21 IP66, T80°C

IECEx
Ex de IIC T6
Ex tD A21 IP66 T80°C
IECEx PTB 06.0090

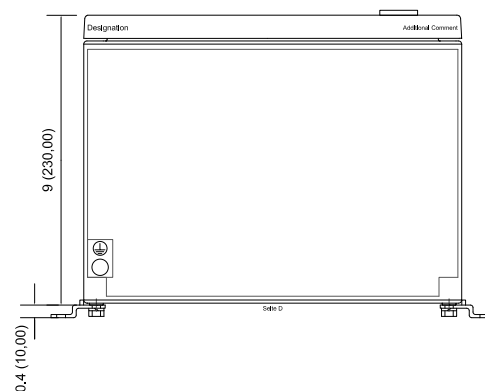
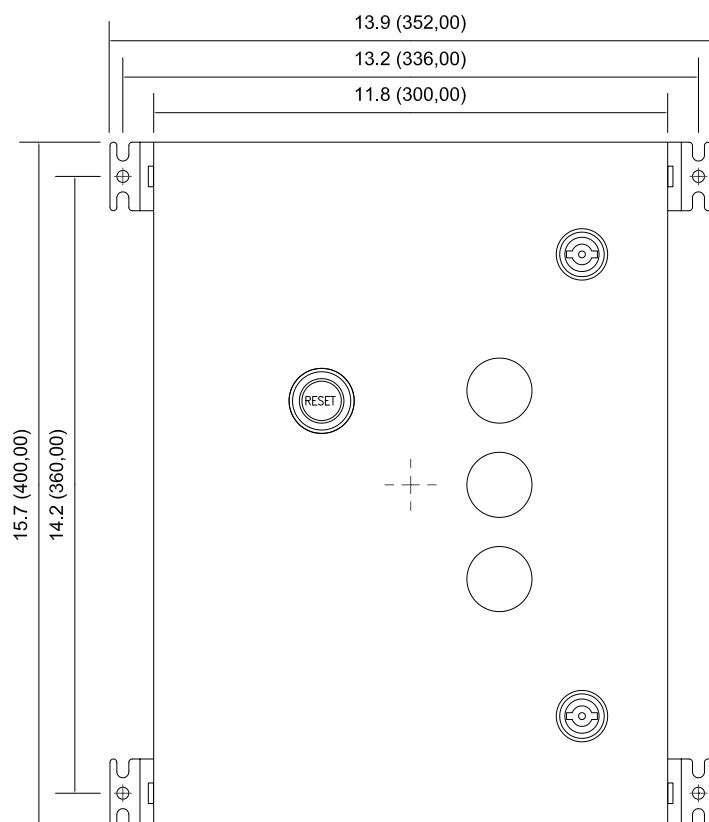
Ambient Temperature Range:
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Consult Factory for lower Temp (-40°C)

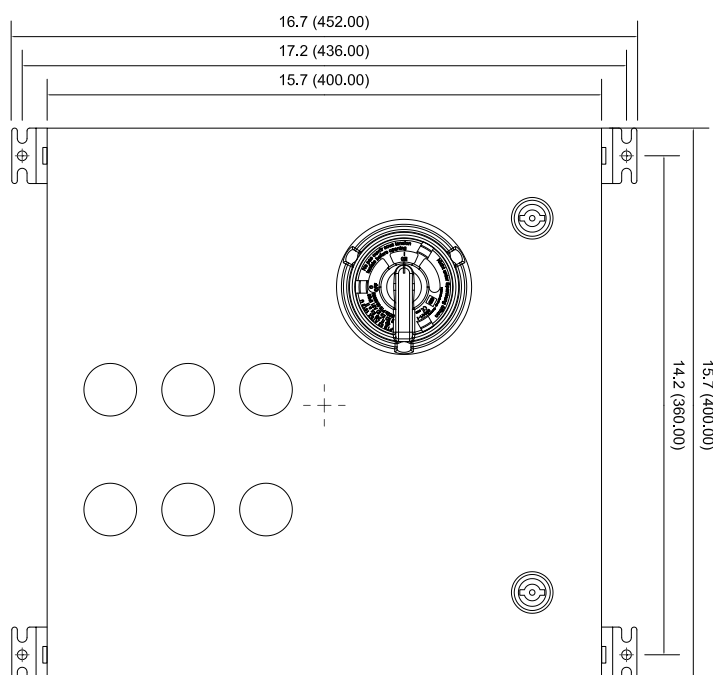
Catalog Construction Logic

a	150 / 5 - K03702	bb	ccc	ddd	ee	ff*
Version	150 / 5 - K03702	Motor Starter	Starter Size	Control Voltage	Entries	Options
a	Version					
	7 = Class I, Division 2 8 = Class I, Zone 1 Global Certification AEx, ATEX / IECEx, Class I, Div. 2					
bb	Motor Starter Type					
	01 = Across the Line (DOL) 02 = Combination 03 = Reversing 04 = Manual 05 = Fuse Combination 7150 Series Only					
ccc	Starter Size (based on 480 VAC)					
	050 = 5.0 hp 075 = 7.5 hp 100 = 10.0 hp 150 = 15.0 hp 999 = According to Specification					
ddd	Control Voltage					
	024 = 24 VAC 120 = 120 VAC 240 = 240 VAC 999 = According to Specification 000 = None (manual starter)					
ee	Entries					
	00 = No Entries 01 = Plugged Holes 02 = Conduit Hubs 03 = Armored Cable Glands 04 = Unarmored Cable Glands					
ff*	Options					
	Z1CVT055 = 55VA (480/120) control transformer, 8150 only Z1CVT075 = 75VA (480/120) control transformer, 8150 only Z1CVT115 = 115VA (480/120) control transformer, 8150 only Z1CVT150 = 150VA (480/120) control transformer, 8150 only Z1CVT200 = 200VA (480/120) control transformer, 8150 only CVT075 = 75VA (480/120) control transformer, 7150 only CVT100 = 100VA (480/120) control transformer, 7150 only CVT150 = 150VA (480/120) control transformer, 7150 only CVT200 = 200VA (480/120) control transformer, 7150 only S273 = Hand-Off-Auto switch S052 = On-Off switch U231 = Start-Stop button PLA = Pilot Light Amber PLG = Pilot Light Green PLR = Pilot Light Red AM = Ammeter HTR50 = 50W Space Heater, 7150 Only HTR80 = 80W Space Heater, 7150 Only Z1HTR50 = 50W space heater, built suitable to Class I, Zone 1 Z1HTR80 = 80W space heater, built suitable to Class I, Zone 1 BD55 = Breather/Drain (IP55) BD66 = Breather/Drain (IP66)					

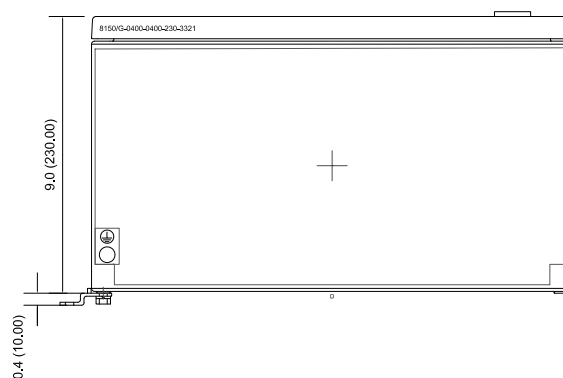
** List All
That Apply

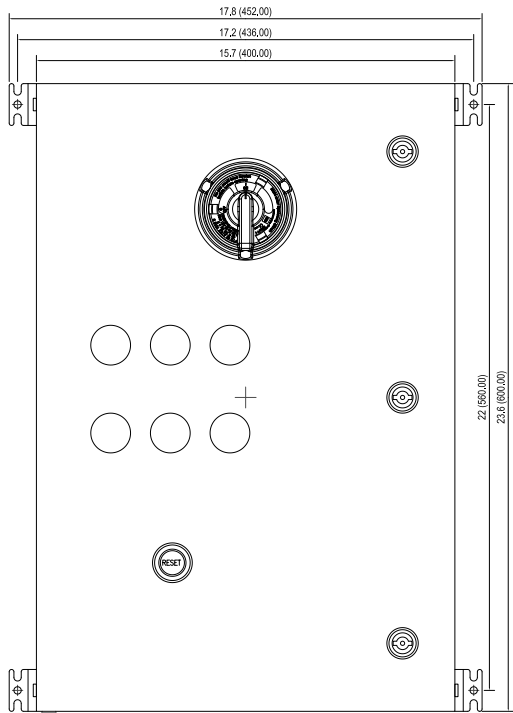


ACROSS THE LINE STARTER

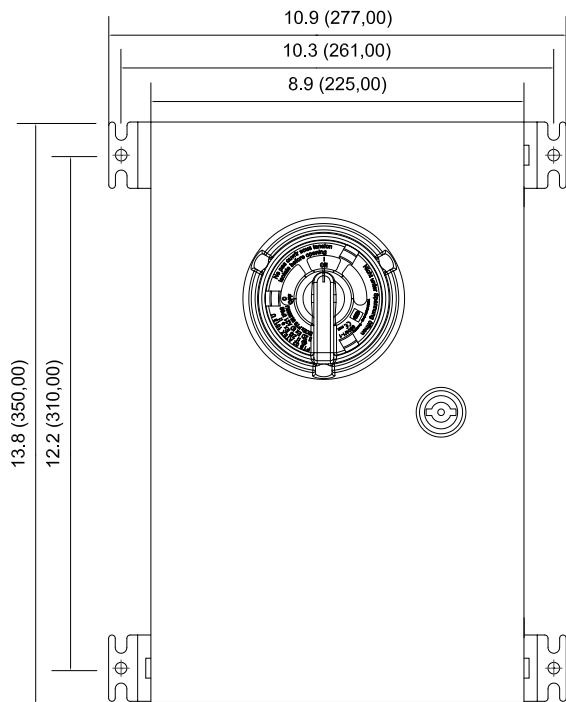
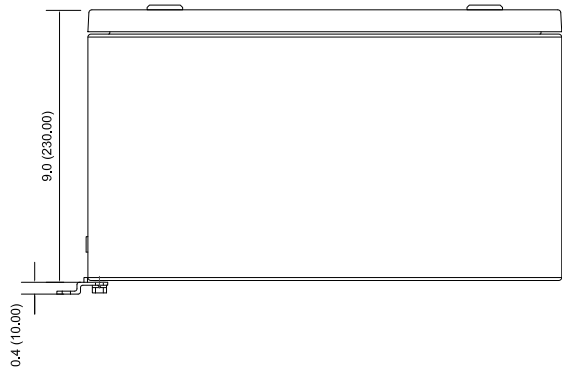


COMBINATION STARTER





**FUSED COMBINATION STARTER OR
REVERSING STARTER**



MANUAL MOTOR STARTER

