

Emax power circuit-breakers

Emax E1

Common data

UL 1066	
Rated voltage	600 V AC
Rated maximum voltage	635 V AC
Test voltage (1 min. 50/60 Hz)	2.2 kV
Frequency	50 - 60 Hz
Number of poles	3 - 4
Version	Fixed (F) - Drawout (W)



Type of circuit-breaker

Level of performance

		Emax E1	
		B-A	N-A
Frame size	[A]	800	800
	[A]	1200	1200
	[A]	—	—
	[A]	—	—
	[A]	—	—
	[A]	—	—
Capacity of neutral pole for 4 pole circuit-breakers	[% I _n]	100	100
Rated short circuit current	240 V [kA]	42	50
	480 V [kA]	42	50
	600 V [kA]	42	50
Rated short time current (1s)	[kA]	42	50

Trip units

Electronic adjustable (dip switch)	PR121	•	•
Electronic adjustable (keypad+LCD display)	PR122	•	•
Electronic adjustable (keypad+LCD display+measuring)	PR123	•	•

Trip times

Make time (max)	[ms]	80	80
Break time (I < ST current) (max)	[ms]	70	70
Break time (I > ST current) (max)	[ms]	30	30

Mechanical and electrical life with regular ordinary maintenance

Mechanical life	[No. Operations x 1000]	20
Operation frequency	[Operations / hour]	30
Electrical life	[No. Operations x 1000]	10
Operation frequency	[Operations / hour]	30

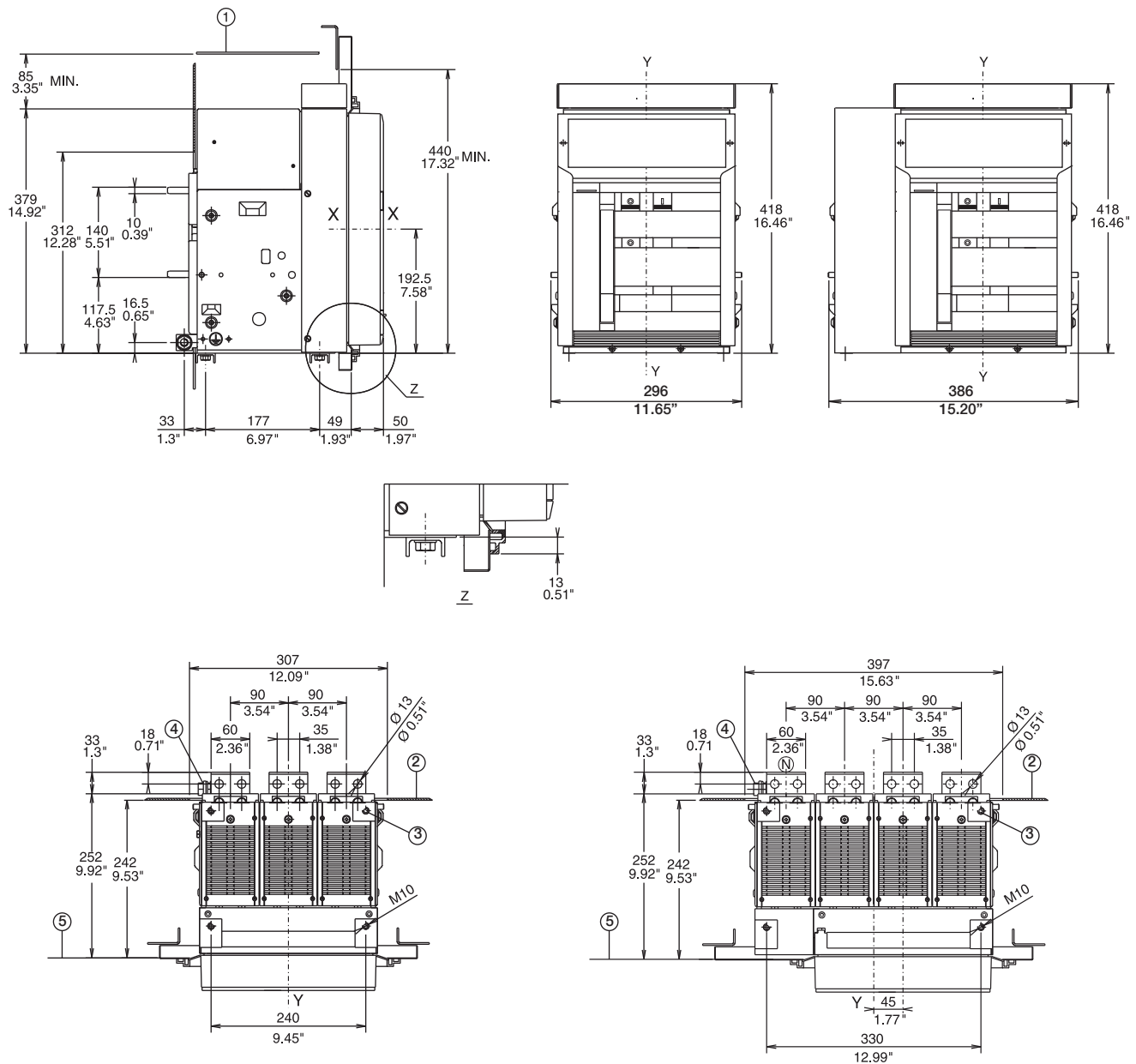
Weights (circuit breaker complete with trip unit, Horz. rear terminals, CS. Excluding accessories)

Fixed (3p/4p)	[kg]	45/54
	[lbs]	99/119
Draw out (3p/4p)	[kg]	70/82
	[lbs]	154/181

Emax power circuit-breakers

Dimensions E1 series

Overall dimensions E1 (FIXED with rear horizontal bus)

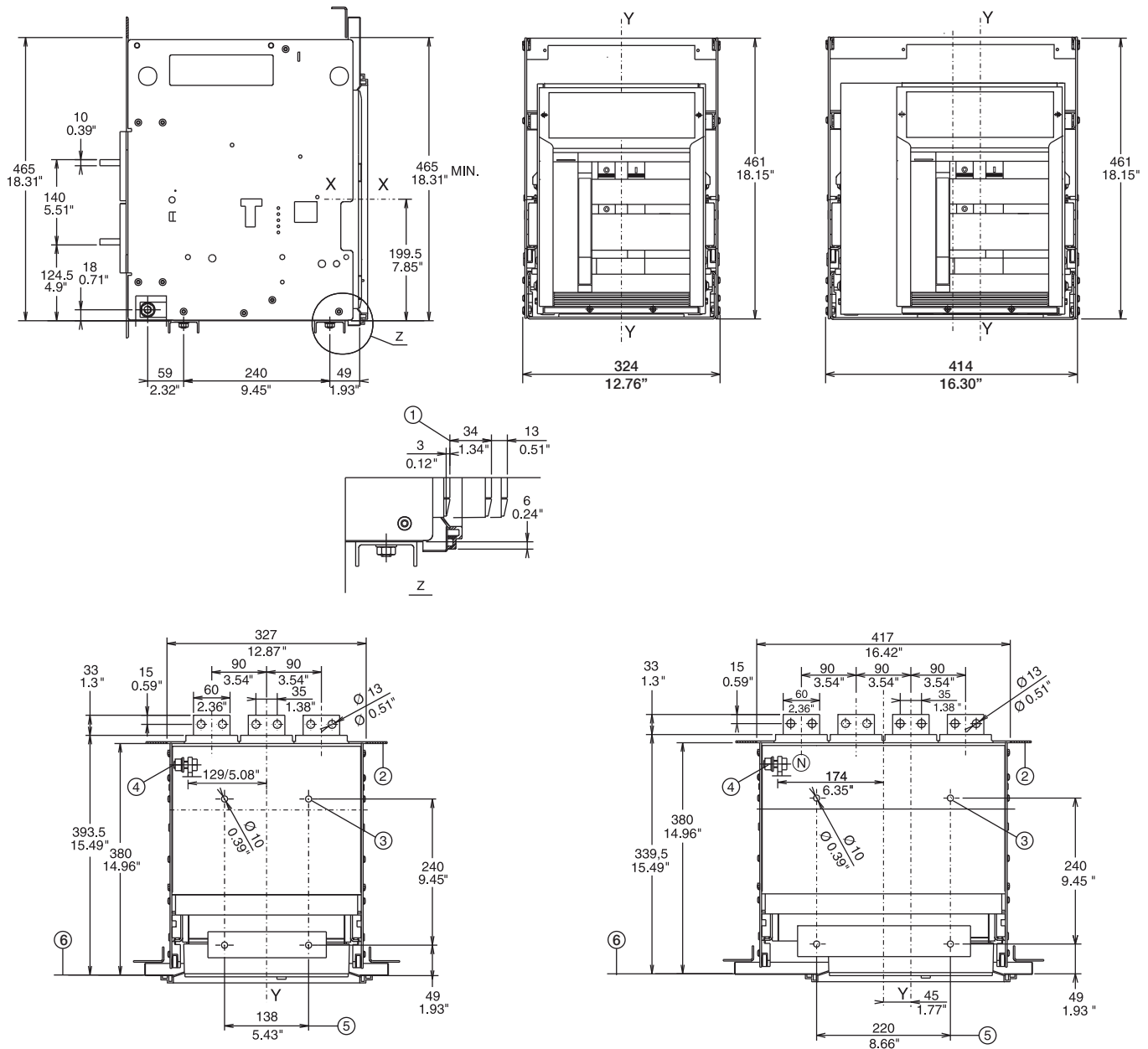


- 1 Insulated wall or insulated metal wall
- 2 Segregation (when provided)
- 3 M10 mounting holes for circuit-breaker (included in the supply)
- 4 1x M12 screw for earthing (included in the supply)
- 5 Inside edge of compartment door

Emax power circuit-breakers

Dimensions E1 series

Overall dimensions E1 (DRAW OUT with rear horizontal bus)



- 1 Distance from connected to testing and isolated.
- 2 Segregation (when provided)
- 3 M8 mounting holes for circuit-breaker (included in the supply)
- 4 1x M12 screw for earthing (included in the supply)
- 5 4 holes for mounting fixed part (standard)
- 6 Inside edge of compartment door

Contact us

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