

Emax power circuit-breakers

Emax E6

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 E6					
		H-A	V-A	L-A	X-A	H-A/f ⁽¹⁾	X-A/f ⁽¹⁾
Frame size	[A]	4000	4000	4000	4000	4000	4000
	[A]	5000	5000	5000	5000	5000	5000
	[A]	—	6000 ⁽²⁾	—	—	—	—
	[A]	—	—	—	—	—	—
	[A]	—	—	—	—	—	—
	[A]	—	—	—	—	—	—
Capacity of neutral pole for 4 pole circuit-breakers	[% I _n]	50	50	50	50	100	100
Rated short circuit current	240 V	[kA]	125	125	150	200	200
	480 V	[kA]	85	125	150	200	200
	600 V	[kA]	85	100	100	85	100
Rated short time current (1s)	[kA]	100	100	100	100	100	100

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

Mechanical and electrical life with regular ordinary maintenance

Mechanical life	[No. Operations x 1000]	8
Operation frequency	[Operations / hour]	30
Electrical life	[No. Operations x 1000]	5 (3 for 5000A)
Operation frequency	[Operations / hour]	30

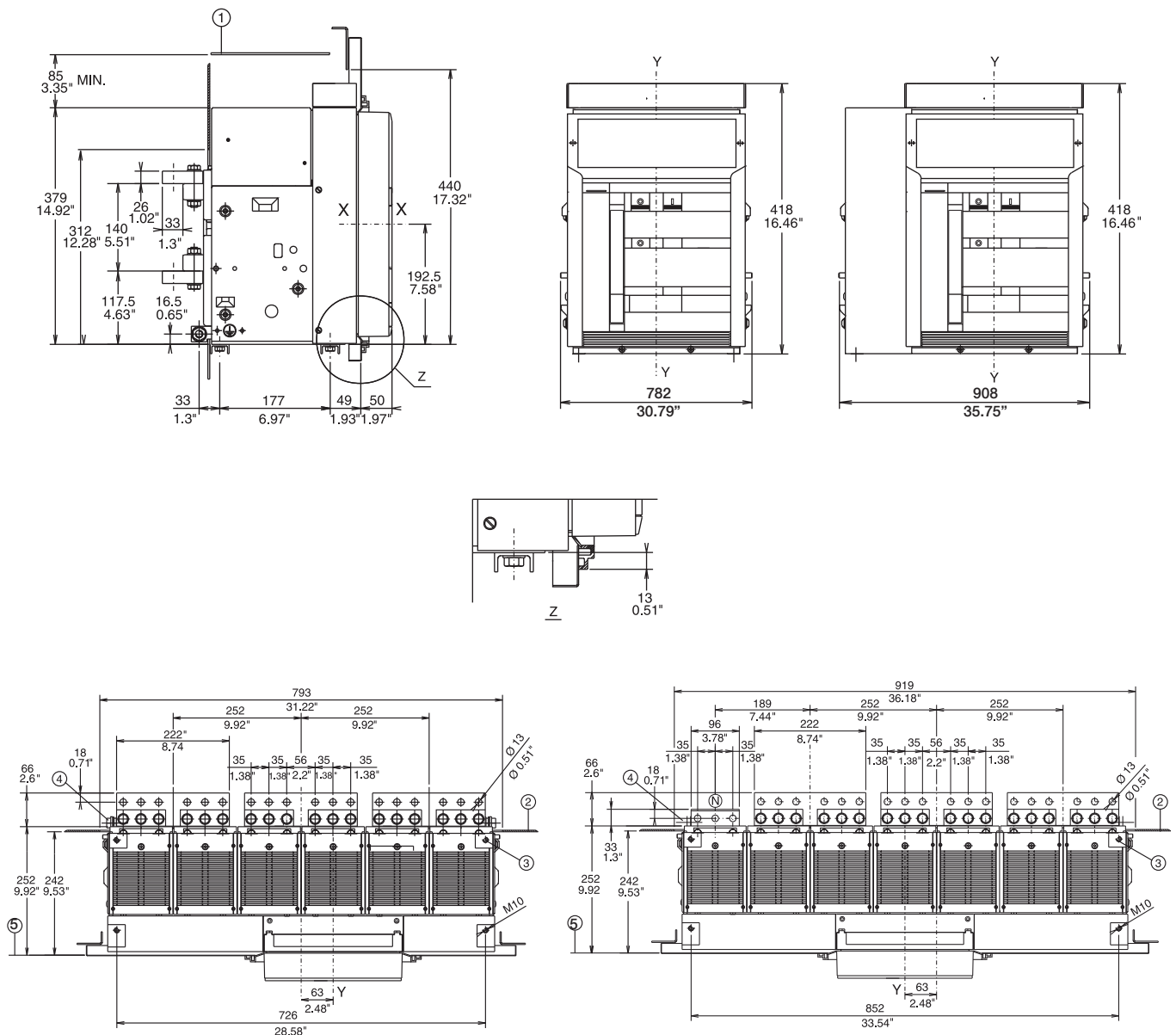
Weights (circuit breaker complete with trip unit, Horz. rear terminals, CS. Excluding accessories)

Fixed (3p/4p)	[kg]	140/160 (185 for E6H-A/f and E6X-A/f)
	[lbs]	308/353 (408 for E6H-A/f and E6X-A/f)
Draw out (3p/4p)	[kg]	210/240 (275 for E6H-A/f and E6X-A/f)
	[lbs]	463/529 (607 for E6H-A/f and E6X-A/f)

(1) Available in 4 poles only

(2) Available in drawout version with vertical rear connections only

Overall dimensions E6 (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

Contact us

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