



Motor Type	IM90-L80-4P-SF
Spec	220V-12krpm-4.5kW

**Line definition**

**Dimensions**

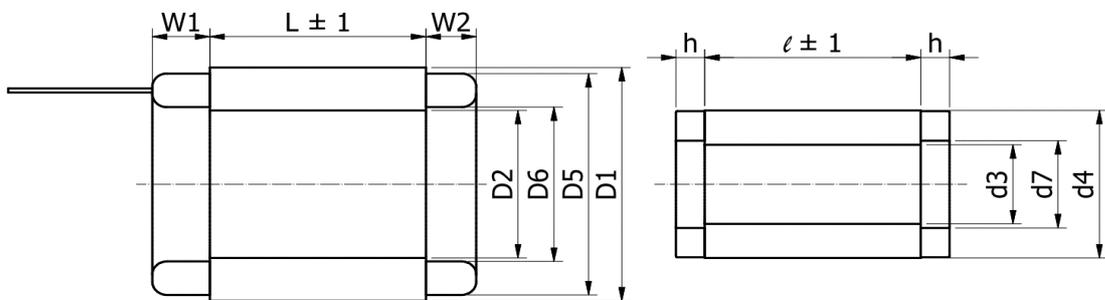
thermal sensor (option)

- PTC-130 blue
  - KTY84-130 yellow +
- Rotor Type: green -

Cu

**3 leads length :400 mm**

- U x 1 red
  - V x 1 white
  - W x 1 black
- AWG 14 ( OD=2.4mm)



unit:mm

	D1	D2	D5	D6	W1	W2	d3	d4	d7	h	L(=ℓ)
Delivery Dimension	90.3	57	85	59	≤ 20	≤ 16	32.7	57	36	4.5	80
Final Dimension	-	-	-	-	-	-	≤ 40	56.3	-	-	-

SF + 46	Speed	Volt	I	Power	Freq	PF	Slip	Lm	T	Loss
	rpm	Vrms	Arms	kW	Hz		rpm	mH	Nm	W
No Load	12000	188	11.8	0.2	400	17%	12	3.4	0.2	408
Rated Load	4000	71	20.5	1.4	139	76%	173	3.4	3.4	456
	8000	134	20.6	3.0	272	74%	173	3.4	3.6	559
	12000	197	20.7	4.5	406	73%	173	3.4	3.6	680
	16000	197	18.9	4.5	541	79%	234	3.7	2.7	621
	20000	197	18.5	4.5	677	81%	304	3.7	2.2	598
	24000	197	18.6	4.5	813	80%	387	3.7	1.8	589

Parameters  
 0 Hz - 10V  
 450 Hz - 200V  
 850 Hz - 200V

