



Motor Type	IM83-L80-4P-SG
Spec	380V-24krpm-4kW

Line definition **Dimensions**

thermal sensor (option)

PTC-130 blue

PT-1000 red, white

Rotor Type:

Cu

3 leads length :400 mm

U x1 red

V x1 white

W x1 black

AWG 16 (OD= 2mm) x1

unit:mm

	D1	D2	D5	D6	W1	W2	d3	d4	d7	h	L(=ℓ)
Delivery Dimension	83.8	52	80	55	≤ 25	≤ 21	29.7	52	32	3.5	80
Final Dimension	-	-	-	-	-	-	≤ 32	51.3	-	-	-

SG + 36	Speed	Volt	I	Power	Freq	PF	Slip	Lm	T	Loss
	rpm	Vrms	Arms	kW	Hz		rpm	mH	Nm	W
No Load	24000	373	8	0.1	800	13%	5	5.4	0.1	505
Rated Load	1000	22	10	0.2	38	78%	148	5.4	1.6	143
	5000	84	11	0.8	172	67%	148	5.4	1.6	200
	10000	162	11	1.7	338	66%	148	5.4	1.6	297
	15000	240	11	2.5	505	66%	148	5.4	1.6	412
	20000	318	11	3.4	672	66%	148	5.4	1.6	541
	24000	380	11	4.0	805	66%	148	5.4	1.6	653
	30000	380	10	4.0	1006	72%	184	5.5	1.3	601
	36000	380	9	4.0	1207	76%	223	5.5	1.1	568

Parameters

0 Hz-- 10 V

816 Hz -- 380V

1218 Hz -- 380V

