

## Quinder HUB motor specifications:

Name: Quinder 8" 48V DC Brushless HUB motor

Product number: 10101025

Development purpose use: Agricultural purposes

**!! Never switch the + pole and the – pole!!**

Switching the + pole and the – pole will damage the HALL sensors in the motor

### Motor specs

Motor voltage: 48V DC

Motor rated power: 550Watt

Motor type: Brushless S1 working conditions

Slot number: 18

Number of poles: 2P=20

Speed signal: 6 A/circle

Speed ration 5:0

Self lubricating inner-gear

Motor protection temp: 105 degrees Celsius

Motor cut-off temp: 110 degrees Celsius

### Power specs

<b>NON-load specs:</b>	<b>Rated loading:</b>	<b>Max.Output:</b>
<i>RPM: 95 +/- 10RPM</i>	<i>RPM: 75 +/- 10RPM</i>	<i>RPM: 55 +/- 10</i>
<i>Current: 1.0A or less</i>	<i>Current: 9.0A or less</i>	<i>Current: 20A or less</i>

### Operational conditions

Operational conditions: -20 degrees to +40 degrees

### Cable specs

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Quinder E-Drives are professional agricultural electric drives systems.

Quinder e-drives is an exclusive brand from

DaviLot.

## !!Attention !!

DaviLot assumes that the person installing the Quinder e-drives parts has profound knowledge about electrical and mechanical constructions.

Bad connectors, unsafe constructions and not following guidelines can lead to physical injuries, fire or electric shocks.

DaviLot will never be responsible or reliable for any damage that comes from bad connectors, unsafe constructions and not following guidelines.

Warranty 1 year, warranty expires if the motor has not been handled conform the guidelines in this sheet.

Cable type: 3 x 2.5mm<sup>2</sup> + 8 x 0.14mm<sup>2</sup>

Cable length: 200mm

### Rim specs

Rim: 8"

Fork width for mounting: 138mm

Rim surface treatment: black coating

Tyre: Agricultural 4.00/4.80-8 Chevron Tractor tyre with innertube

Construction level: IP66 (do not put motor under water)

Max load: 500Kg

### Storage

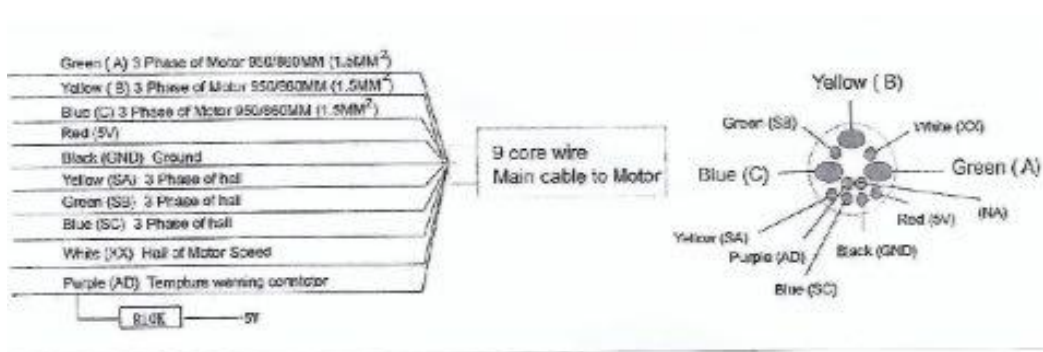
Do not store in direct sunlight or below -20 degrees or above 60 degrees

### Warranty

Warranty: 1 Year

Life expectancy: 30.000Km

### Connector



### Torque-A-V-Watt

	V	A	W	N.m	rpm	W	%	S
1	48.06	0.595	28.59	0.04	95.6	0.364	1.3	0.000
2	48.06	0.676	32.49	0.24	95.5	2.425	7.5	2.704
3	48.06	0.754	36.25	0.83	95.0	8.363	23.1	4.407
4	48.06	0.944	45.37	1.98	95.4	19.82	43.7	5.110
5	48.06	1.198	57.57	3.33	94.8	33.23	57.7	7.813
6	48.06	1.536	73.81	4.84	93.9	47.62	64.5	9.516
7	48.06	1.975	94.91	7.22	92.4	69.89	73.6	11.22
8	48.06	2.407	115.7	9.31	91.4	89.11	77.0	12.92
9	48.07	3.148	151.3	12.52	89.5	117.3	77.5	14.63
10	48.06	3.858	185.4	15.24	88.0	140.4	75.7	16.33
11	48.06	4.311	207.2	17.86	86.8	162.3	78.4	18.03
12	48.07	4.814	231.4	21.74	84.8	193.0	83.4	19.74
13	48.06	5.431	261.0	24.74	83.4	216.0	82.8	21.44
14	48.06	6.323	303.9	29.16	81.1	247.6	81.5	23.14
15	48.06	7.006	336.7	32.67	79.5	271.9	80.8	24.84
16	48.06	7.605	365.5	36.10	78.1	295.2	80.8	26.55
17	48.06	8.618	414.2	40.36	75.9	320.7	77.4	28.25
18	48.06	9.393	451.7	44.09	74.4	343.5	76.0	29.95
19	48.06	10.06	483.7	48.82	72.5	370.6	76.6	31.66
20	48.06	10.99	528.3	52.34	70.8	388.0	73.4	33.36
21	48.06	11.76	565.1	56.06	69.0	408.5	72.3	35.06
22	48.07	12.54	602.8	60.02	67.6	424.8	70.5	36.77
23	48.06	13.30	639.1	63.54	66.4	441.8	69.1	38.47
24	48.06	14.02	674.1	66.48	64.8	451.0	66.9	40.17
25	48.06	14.57	700.2	70.05	63.9	468.6	66.9	41.88
26	48.06	14.70	706.7	72.19	62.7	473.9	67.1	43.58
27	48.06	15.19	730.1	73.54	61.9	476.6	65.3	45.28
28	48.07	15.74	756.7	75.43	61.4	484.9	64.1	46.99
29	48.07	16.10	774.1	77.24	60.4	488.5	63.1	48.69
30	48.06	16.31	783.8	79.02	59.7	493.9	63.0	50.39
31	48.06	16.97	815.8	80.46	58.9	496.2	60.8	52.09
32	48.07	17.26	829.8	82.04	58.3	500.7	60.3	53.80
33	48.07	17.37	835.0	82.76	57.8	500.8	60.0	55.50
34	48.07	17.81	856.3	83.84	57.1	501.2	58.5	57.20
35	48.07	18.36	882.5	86.59	56.6	513.1	58.1	58.91
36	48.07	18.33	881.3	87.62	56.0	513.7	58.3	60.61
37	48.06	18.71	899.4	88.11	55.3	510.2	56.7	62.31
38	48.06	18.64	896.0	88.78	54.7	508.5	56.7	64.02
39	48.06	19.26	925.9	89.64	53.7	504.0	54.4	65.72
40	48.06	19.24	924.7	91.70	53.1	509.8	55.1	67.42
41	48.07	19.65	944.7	91.70	52.3	502.1	53.2	69.13
42	48.06	19.69	946.3	94.11	51.8	510.4	53.9	70.83
43	48.07	20.35	978.2	93.22	51.2	510.4	52.2	72.53
44	48.07	20.27	974.5	96.03	50.4	506.7	52.0	74.24
45	48.07	20.86	1002	97.42	49.8	508.0	50.7	75.94