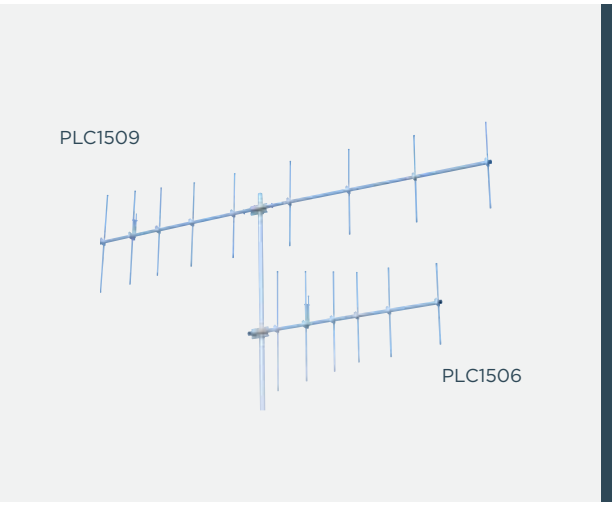


P-PLC HEAVY DUTY YAGI ANTENNAS

30-75 MHz / 129-174 MHz

HEAVY-DUTY PLC SERIES 7.1 OR 11.1 DBI GAIN

Laird's PLC Yagis are heavy-duty point-to-point antennas, commonly used in data transmission and control station applications. With a frequency range of 30-75 MHz and 129-174 MHz they feature a preset Reddi-Match and can be quickly and easily assembled at the installation site. Precisely machined boom-to-element blocks prevent corrosion and noise buildup. Outstanding performance and mechanical integrity make these antennas an excellent value.

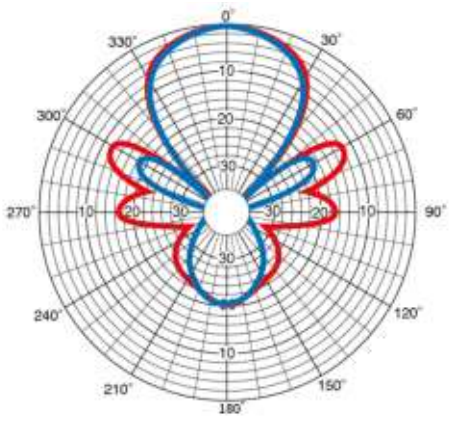
HEAVY-DUTY PLC SERIES 7.1 OR 11.1 DBI GAIN

MODEL	FREQ. MHZ	GAIN DBI	NO. ELEM	F TO B DB	-3DB BEAMWIDTH		CONNECTOR TYPE	W/ SURFACE AREA FT2 (M2)	W/ SURV. MPH (KPH)	W/ 1/2" ICE	LENGTH IN (CM)	WT. LB (KG)
					E-PLANE°	H-PLANE°						
PLC-1346	134-142	7.1	6	20	53	74	UHF	1.49 (0.138)	125 (200)	100 (161)	72 (182.9)	7.2 (3.2)
PLC-1426	142-150	7.1	6	20	53	74	UHF	1.44 (0.133)	125 (200)	100 (161)	70 (177.8)	7.2 (3.2)
PLC-1506	150-158	7.1	6	20	53	74	UHF	1.39 (0.129)	125 (200)	100 (161)	66 (167.6)	7.2 (3.2)
PLC-1586	158-166	7.1	6	20	53	74	UHF	1.34 (0.124)	125 (200)	100 (161)	64 (162.6)	7.1 (3.2)
PLC-1666	166-174	7.1	6	20	53	74	UHF	1.29 (0.120)	125 (200)	100 (161)	64 (162.6)	7.0 (3.15)
PLC-1369	136-142	11.1	9	20	35	45	UHF	2.77 (0.256)	125 (200)	100 (161)	161 (408.9)	11.1 (5.0)
PLC-1509	150-158	11.1	9	20	35	45	UHF	2.42 (0.224)	125 (200)	100 (161)	144 (365.7)	10.3 (4.6)
PLC-1589	158-166	11.1	9	20	35	45	UHF	2.32 (0.214)	125 (200)	100 (161)	137 (347.0)	10.4 (4.7)
PLC-1669	166-174	11.1	9	20	35	45	UHF	2.25 (0.208)	125 (200)	100 (161)	131 (332.7)	10.0 (4.5)

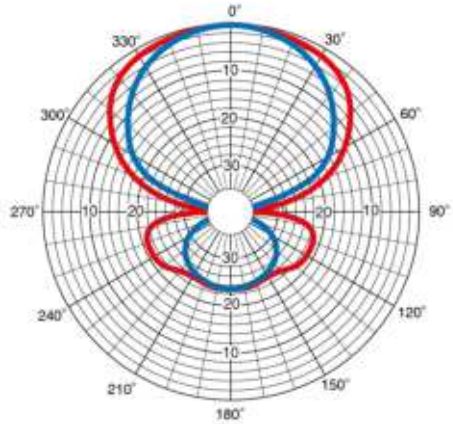
Common specifications: Power handling - 400 Watts; Element material - 1/2 in (1.3 cm) 6063-T832 aluminum tube;
Boom material: 1-1/8 in (2.9 cm) 6063-T832 aluminum tube; Maximum mast diameter: 2-1/8 in (5.4 cm); Mounting style; U-bolts and plate.

MODEL	FREQ. MHZ	GAIN DBI	NO. ELEM	F TO B DB	-3DB BEAMWIDTH		CONNECTOR TYPE	W/ SURFACE AREA FT2 (M2)	W/ SURV. MPH (KPH)	W/ 1/2" ICE	LENGTH IN (CM)	WT. LB (KG)
					E-PLANE°	H-PLANE°						
P142-4	138-142.5	6.5	4	18	65	80	UHF	0.53 (0.049)	125 (200)	100 (161)	44 (110)	2.7 (1.21)
P150-4	146-150.5	6.5	4	18	65	80	UHF	0.52 (0.048)	125 (200)	100 (161)	44 (110)	2.7 (1.21)
P154-4	150-154.5	6.5	4	18	65	80	UHF	0.51 (0.047)	125 (200)	100 (161)	44 (110)	2.7 (1.21)
P158-4	154-158.5	6.5	4	18	65	80	UHF	0.50 (0.046)	125 (200)	100 (161)	44 (110)	2.7 (1.21)
P162-4	158-162.5	6.5	4	18	65	80	UHF	0.49 (0.049)	125 (200)	100 (161)	44 (110)	2.6 (1.17)
P166-4	162-166.5	6.5	4	18	65	80	UHF	0.48 (0.044)	125 (200)	100 (161)	44 (110)	2.6 (1.17)
P174-4	170-174.5	6.5	4	18	65	80	UHF	0.46 (0.042)	125 (200)	100 (161)	44 (110)	2.6 (1.17)

Common Specifications: Power handling - 400 Watts; Element material - 3/16in (.48 cm) 6063-T832 aluminum rod;
Boom material: 7/8 in (2.2 cm) 6063-T832 aluminum tube; Maximum mast diameter: 2-1/8 in (5.4 cm); Mounting style; U-bolt and bracket.



Typical 9 Element PLC



Typical 6 Element PLC

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