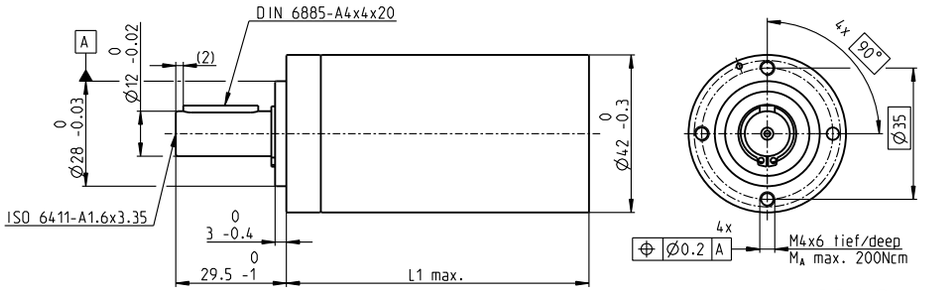
Planetary Gearhead GP 42 C ∅42 mm, 3.0–15.0 Nm

Ceramic Version



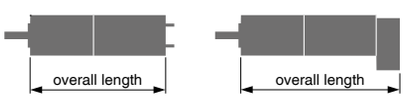
M 1:2

Technical Data				
Planetary Gearhead	straight teeth			
Output shaft	stainless steel			
Bearing at output	preloaded ball bearings			
Radial play, 12 mm from flange	max. 0.06 mm			
Axial play at axial load	< 5 N	0 mm		
	> 5 N	max. 0.3 mm		
Max. axial load (dynamic)	150 N			
Max. force for press fits	300 N			
Direction of rotation, drive to output	=			
Max. continuous input speed	8000 rpm			
Recommended temperature range	-40...+100°C			
Number of stages	1	2	3	4
Max. radial load, 12 mm from flange	120 N	240 N	360 N	360 N

Stock program
Standard program
Special program (on request)

Part Numbers	203113	203115	203119	203120	203124	203129	203128	203133	203137	203141
Gearhead Data										
1 Reduction	3.5:1	12:1	26:1	43:1	81:1	156:1	150:1	285:1	441:1	756:1
2 Absolute reduction	7/2	49/4	26	343/8	2197/27	156	2401/16	15379/54	441	756
10 Mass inertia gcm²	14	15	9.1	15	9.4	9.1	15	15	14	14
3 Max. motor shaft diameter mm	10	10	8	10	8	8	10	10	10	10
Part Numbers	**203114**	**203116**	260552*	203121	203125	260553*	203130	203134	203138	203142
1 Reduction	4.3:1	15:1	36:1	53:1	91:1	216:1	186:1	319:1	488:1	936:1
2 Absolute reduction	13/3	91/6	36/1	637/12	91	216/1	4459/24	637/2	4394/9	936
10 Mass inertia gcm²	9.1	15	5.0	15	15	5.0	15	15	9.4	9.1
3 Max. motor shaft diameter mm	8	10	4	10	10	4	10	10	8	8
Part Numbers	260551*	203117		203122	203126		203131	203135	203139	260554*
1 Reduction	6:1	19:1		66:1	113:1		230:1	353:1	546:1	1296:1
2 Absolute reduction	6/1	169/9		1183/18	338/3		8281/36	28561/81	546	1296/1
10 Mass inertia gcm²	4.9	9.4		15	9.4		15	9.4	14	5.0
3 Max. motor shaft diameter mm	4	8		10	8		10	8	10	4
Part Numbers		203118		203123	203127		203132	203136	203140	
1 Reduction		21:1		74:1	126:1		257:1	394:1	676:1	
2 Absolute reduction		21		147/2	126		1029/4	1183/3	676	
10 Mass inertia gcm²		14		15	14		15	15	9.1	
3 Max. motor shaft diameter mm		10		10	10		10	10	8	
4 Number of stages	1	2	2	3	3	3	4	4	4	4
5 Max. continuous torque Nm	3.0	7.5	7.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
6 Max. intermittent torque at gear output Nm	4.5	11.3	11.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
7 Max. efficiency %	90	81	81	72	72	72	64	64	64	64
8 Weight g	260	360	360	460	460	460	560	560	560	560
9 Average backlash no load °	0.6	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11 Gearhead length L1** mm	41.0	55.5	55.5	70.0	70.0	70.0	84.5	84.5	84.5	84.5

*no combination with EC 45 (150/250 W) and EC-i 40
**for EC 45 flat L1 is -3.6 mm

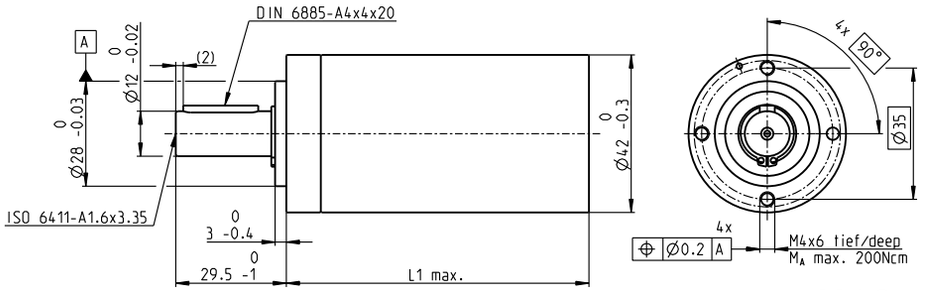


maxon Modular System

+ Motor	Page	+ Sensor	Page	Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts									
RE 35, 90 W	149					112.1	126.6	126.6	141.1	141.1	141.1	155.6	155.6	155.6	155.6
RE 35, 90 W	149	MR	479			123.5	138.0	138.0	152.5	152.5	152.5	167.0	167.0	167.0	167.0
RE 35, 90 W	149	HED_5540	486/488			132.8	147.3	147.3	161.8	161.8	161.8	176.3	176.3	176.3	176.3
RE 35, 90 W	149	DCT 22	495			130.2	144.7	144.7	159.2	159.2	159.2	173.7	173.7	173.7	173.7
RE 35, 90 W	149			AB 28	535	148.2	162.7	162.7	177.2	177.2	177.2	191.7	191.7	191.7	191.7
RE 35, 90 W	149	HED_5540	486/488	AB 28	535	165.4	179.9	179.9	194.4	194.4	194.4	208.9	208.9	208.9	208.9
RE 40, 150 W	151					112.1	126.6	126.6	141.1	141.1	141.1	155.6	155.6	155.6	155.6
RE 40, 150 W	151	MR	479			123.5	138.0	138.0	152.5	152.5	152.5	167.0	167.0	167.0	167.0
RE 40, 150 W	151	HED_5540	486/489			132.8	147.3	147.3	161.8	161.8	161.8	176.3	176.3	176.3	176.3
RE 40, 150 W	151	HEDL 9140	493			166.2	180.7	180.7	195.2	195.2	195.2	209.7	209.7	209.7	209.7
RE 40, 150 W	151			AB 28	535	148.2	162.7	162.7	177.2	177.2	177.2	191.7	191.7	191.7	191.7
RE 40, 150 W	151			AB 28	536	156.2	170.7	170.7	185.2	185.2	185.2	199.7	199.7	199.7	199.7
RE 40, 150 W	151	HED_ 5540	486/489	AB 28	535	165.4	179.9	179.9	194.4	194.4	194.4	208.9	208.9	208.9	208.9
RE 40, 150 W	151	HEDL 9140	493	AB 28	536	176.7	191.2	191.2	205.7	205.7	205.7	220.2	220.2	220.2	220.2
EC 40, 170 W	239					121.1	135.6	135.6	150.1	150.1	150.1	164.6	164.6	164.6	164.6
EC 40, 170 W	239	HED_5540	487/489			144.5	159.0	159.0	173.5	173.5	173.5	188.0	188.0	188.0	188.0
EC 40, 170 W	239	Res 26	496			148.3	162.8	162.8	177.3	177.3	177.3	191.8	191.8	191.8	191.8
EC 40, 170 W	239			AB 32	537	163.8	178.3	178.3	192.8	192.8	192.8	207.3	207.3	207.3	207.3
EC 40, 170 W	239	HED_5540	487/489	AB 32	537	182.2	196.7	196.7	211.2	211.2	211.2	225.7	225.7	225.7	225.7
EC 45, 150 W	240					152.3	166.8	166.8	181.3	181.3	181.3	195.8	195.8	195.8	195.8
EC 45, 150 W	240	HEDL 9140	493			167.9	182.4	182.4	196.9	196.9	196.9	211.4	211.4	211.4	211.4
EC 45, 150 W	240	Res 26	496			152.3	166.8	166.8	181.3	181.3	181.3	195.8	195.8	195.8	195.8
EC 45, 150 W	240			AB 28	536	159.7	174.2	174.2	188.7	188.7	188.7	203.2	203.2	203.2	203.2
EC 45, 150 W	240	HEDL 9140	493	AB 28	536	176.7	191.2	191.2	205.7	205.7	205.7	220.2	220.2	220.2	220.2
EC 45, 250 W	241					185.1	199.6	199.6	214.1	214.1	214.1	228.6	228.6	228.6	228.6
EC 45, 250 W	241	HEDL 9140	493			200.7	215.2	215.2	229.7	229.7	229.7	244.2	244.2	244.2	244.2
EC 45, 250 W	241	Res 26	496			185.1	199.6	199.6	214.1	214.1	214.1	228.6	228.6	228.6	228.6
EC 45, 250 W	241			AB 28	536	192.5	207.0	207.0	221.5	221.5	221.5	236.0	236.0	236.0	236.0
EC 45, 250 W	241	HEDL 9140	493	AB 28	536	209.5	224.0	224.0	238.5	238.5	238.5	253.0	253.0	253.0	253.0

Planetary Gearhead GP 42 C ∅42 mm, 3.0–15.0 Nm

Ceramic Version



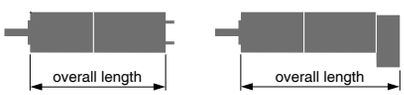
M 1:2

Technical Data				
Planetary Gearhead	straight teeth			
Output shaft	stainless steel			
Bearing at output	preloaded ball bearings			
Radial play, 12 mm from flange	max. 0.06 mm			
Axial play at axial load	< 5 N	0 mm		
	> 5 N	max. 0.3 mm		
Max. axial load (dynamic)	150 N			
Max. force for press fits	300 N			
Direction of rotation, drive to output	=			
Max. continuous input speed	8000 rpm			
Recommended temperature range	-40...+100°C			
Number of stages	1	2	3	4
Max. radial load, 12 mm from flange	120 N	240 N	360 N	360 N

Stock program
Standard program
Special program (on request)

Part Numbers	203113	203115	203119	203120	203124	203129	203128	203133	203137	203141
Gearhead Data										
1 Reduction	3.5:1	12:1	26:1	43:1	81:1	156:1	150:1	285:1	441:1	756:1
2 Absolute reduction	7/2	49/4	26	343/8	2197/27	156	2401/16	15379/54	441	756
10 Mass inertia gcm²	14	15	9.1	15	9.4	9.1	15	15	14	14
3 Max. motor shaft diameter mm	10	10	8	10	8	8	10	10	10	10
Part Numbers	**203114**	**203116**	260552*	203121	203125	260553*	203130	203134	203138	203142
1 Reduction	4.3:1	15:1	36:1	53:1	91:1	216:1	186:1	319:1	488:1	936:1
2 Absolute reduction	13/3	91/6	36/1	637/12	91	216/1	4459/24	637/2	4394/9	936
10 Mass inertia gcm²	9.1	15	5.0	15	15	5.0	15	15	9.4	9.1
3 Max. motor shaft diameter mm	8	10	4	10	10	4	10	10	8	8
Part Numbers	260551*	203117		203122	203126		203131	203135	203139	260554*
1 Reduction	6:1	19:1		66:1	113:1		230:1	353:1	546:1	1296:1
2 Absolute reduction	6/1	169/9		1183/18	338/3		8281/36	28561/81	546	1296/1
10 Mass inertia gcm²	4.9	9.4		15	9.4		15	9.4	14	5.0
3 Max. motor shaft diameter mm	4	8		10	8		10	8	10	4
Part Numbers		203118		203123	203127		203132	203136	203140	
1 Reduction		21:1		74:1	126:1		257:1	394:1	676:1	
2 Absolute reduction		21		147/2	126		1029/4	1183/3	676	
10 Mass inertia gcm²		14		15	14		15	15	9.1	
3 Max. motor shaft diameter mm		10		10	10		10	10	8	
4 Number of stages	1	2	2	3	3	3	4	4	4	4
5 Max. continuous torque Nm	3.0	7.5	7.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
6 Max. intermittent torque at gear output Nm	4.5	11.3	11.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
7 Max. efficiency %	90	81	81	72	72	72	64	64	64	64
8 Weight g	260	360	360	460	460	460	560	560	560	560
9 Average backlash no load °	0.6	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11 Gearhead length L1** mm	41.0	55.5	55.5	70.0	70.0	70.0	84.5	84.5	84.5	84.5

*no combination with EC 45 (150/250 W) and EC-i 40
**for EC 45 flat L1 is -3.6 mm

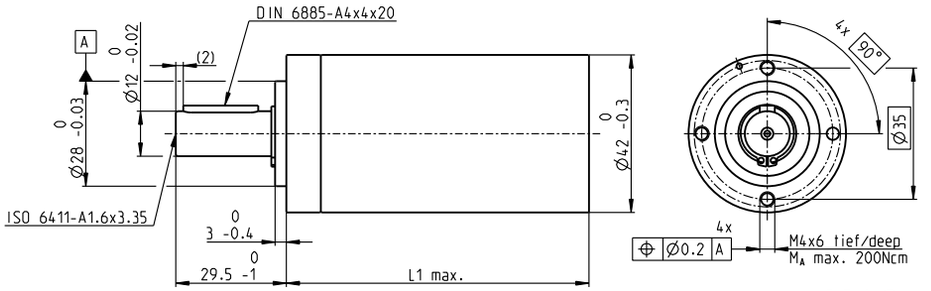


maxon Modular System

+ Motor	Page	+ Sensor	Page	Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts									
EC-max 30, 60 W	251					105.1	119.6	119.6	134.1	134.1	134.1	148.6	148.6	148.6	148.6
EC-max 30, 60 W	251	MR	478			117.3	131.8	131.8	146.3	146.3	146.3	160.8	160.8	160.8	160.8
EC-max 30, 60 W	251	HEDL 5540	490			125.7	140.2	140.2	154.7	154.7	154.7	169.2	169.2	169.2	169.2
EC-max 30, 60 W	251			AB 20	532	140.7	155.2	155.2	169.7	169.7	169.7	184.2	184.2	184.2	184.2
EC-max 30, 60 W	251	HEDL 5540	490	AB 20	532	161.3	175.8	175.8	190.3	190.3	190.3	204.8	204.8	204.8	204.8
EC-max 40, 70 W	252					99.1	113.6	113.6	128.1	128.1	128.1	142.6	142.6	142.6	142.6
EC-max 40, 70 W	252	MR	479			114.8	129.3	129.3	143.8	143.8	143.8	158.3	158.3	158.3	158.3
EC-max 40, 70 W	252	HEDL 5540	490			122.5	137.0	137.0	151.5	151.5	151.5	166.0	166.0	166.0	166.0
EC-max 40, 70 W	252			AB 28	534	133.5	148.0	148.0	162.5	162.5	162.5	177.0	177.0	177.0	177.0
EC-max 40, 70 W	252	HEDL 5540	490	AB 28	534	151.8	166.3	166.3	180.8	180.8	180.8	195.3	195.3	195.3	195.3
EC-max 40, 120 W	253					129.1	143.6	143.6	158.1	158.1	158.1	172.6	172.6	172.6	172.6
EC-max 40, 120 W	253	MR	479			144.8	159.3	159.3	173.8	173.8	173.8	188.3	188.3	188.3	188.3
EC-max 40, 120 W	253	HEDL 5540	490			152.5	167.0	167.0	181.5	181.5	181.5	196.0	196.0	196.0	196.0
EC-max 40, 120 W	253			AB 28		163.5	178.0	178.0	192.5	192.5	192.5	207.0	207.0	207.0	207.0
EC-max 40, 120 W	253	HEDL 5540	490	AB 28		181.8	196.3	196.3	210.8	210.8	210.8	225.3	225.3	225.3	225.3
EC-4pole 30, 100 W	259					88.1	102.6	102.6	117.1	117.1	117.1	131.6	131.6	131.6	131.6
EC-4pole 30, 100 W	259	22 EMT	457			116.0	130.5	130.5	145.0	145.0	145.0	159.5	159.5	159.5	159.5
EC-4pole 30, 100 W	259	16 EASY/XT/Abs.	464-468			102.0	116.5	116.5	131.0	131.0	131.0	145.5	145.5	145.5	145.5
EC-4pole 30, 100 W	259	16 EASY Abs. XT	470			102.5	117.0	117.0	131.5	131.5	131.5	146.0	146.0	146.0	146.0
EC-4pole 30, 100 W	259	16 RIO	481			100.5	115.0	115.0	129.5	129.5	129.5	144.0	144.0	144.0	144.0
EC-4pole 30, 100 W	259	AEDL/HEDL	484/490			108.7	123.2	123.2	137.7	137.7	137.7	152.2	152.2	152.2	152.2
EC-4pole 30, 100 W	259			AB 20	532	124.3	138.8	138.8	153.3	153.3	153.3	167.8	167.8	167.8	167.8
EC-4pole 30, 100 W	259	22 EMT	457	AB 20	532	155.5	170.0	170.0	184.5	184.5	184.5	199.0	199.0	199.0	199.0
EC-4pole 30, 100 W	259	16 EASY/XT/Abs.	464-468	AB 20	532	138.4	152.9	152.9	167.4	167.4	167.4	181.9	181.9	181.9	181.9
EC-4pole 30, 100 W	259	16 EASY Abs. XT	470	AB 20	532	138.9	153.4	153.4	167.9	167.9	167.9	182.4	182.4	182.4	182.4
EC-4pole 30, 100 W	259	16 RIO	481	AB 20	532	136.9	151.4	151.4	165.9	165.9	165.9	180.4	180.4	180.4	180.4
EC-4pole 30, 100 W	259	AEDL/HEDL	484/490	AB 20	532	145.1	159.6	159.6	174.1	174.1	174.1	188.6	188.6	188.6	188.6
EC-4pole 30, 200 W	261					105.1	119.6	119.6	134.1	134.1	134.1	148.6	148.6	148.6	148.6
EC-4pole 30, 200 W	261	22 EMT	457			133.0	147.5	147.5	162.0	162.0	162.0	176.5	176.5	176.5	176.5

Planetary Gearhead GP 42 C ∅42 mm, 3.0–15.0 Nm

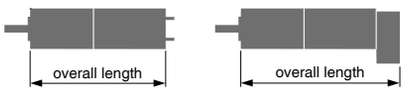
Ceramic Version



M 1:2

Technical Data				
Planetary Gearhead	straight teeth			
Output shaft	stainless steel			
Bearing at output	preloaded ball bearings			
Radial play, 12 mm from flange	max. 0.06 mm			
Axial play at axial load	< 5 N	0 mm		
	> 5 N	max. 0.3 mm		
Max. axial load (dynamic)	150 N			
Max. force for press fits	300 N			
Direction of rotation, drive to output	=			
Max. continuous input speed	8000 rpm			
Recommended temperature range	-40...+100°C			
Number of stages	1	2	3	4
Max. radial load, 12 mm from flange	120 N	240 N	360 N	360 N

Stock program
Standard program
Special program (on request)



Part Numbers

203113	203115	203119	203120	203124	203129	203128	203133	203137	203141
203114	203116	260552*	203121	203125	260553*	203130	203134	203138	203142
260551*	203117		203122	203126		203131	203135	203139	260554*
	203118		203123	203127		203132	203136	203140	

*no combination with EC 45 (150/250 W) and EC-i 40
**for EC 45 flat L1 is -3.6 mm

maxon Modular System

+ Motor	Page	+ Sensor	Page	Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts									
EC-4pole 30, 200 W	261	16 EASY/XT/Abs.	464-468			119.0	133.5	133.5	148.0	148.0	148.0	162.5	162.5	162.5	162.5
EC-4pole 30, 200 W	261	16 EASY Abs. XT	470			119.5	134.0	134.0	148.5	148.5	148.5	163.0	163.0	163.0	163.0
EC-4pole 30, 200 W	261	16 RIO	481			117.5	132.0	132.0	146.5	146.5	146.5	161.0	161.0	161.0	161.0
EC-4pole 30, 200 W	261	AEDL/HEDL	484/490			125.7	140.2	140.2	154.7	154.7	154.7	169.2	169.2	169.2	169.2
EC-4pole 30, 200 W	261			AB 20	532	141.3	155.8	155.8	170.3	170.3	170.3	184.8	184.8	184.8	184.8
EC-4pole 30, 200 W	261	22 EMT	457	AB 20	532	172.5	187.0	187.0	201.5	201.5	205.1	216.0	261.0	216.0	216.0
EC-4pole 30, 200 W	261	16 EASY/XT/Abs.	464-468	AB 20	532	155.4	169.9	169.9	184.4	184.4	184.4	198.9	198.9	198.9	198.9
EC-4pole 30, 200 W	261	16 EASY Abs. XT	470	AB 20	532	155.9	170.4	170.4	184.9	184.9	184.9	199.4	199.4	199.4	199.4
EC-4pole 30, 200 W	261	16 RIO	481	AB 20	532	153.9	168.4	168.4	182.9	182.9	182.9	197.4	197.4	197.4	197.4
EC-4pole 30, 200 W	261	AEDL/HEDL	484/490	AB 20	532	162.1	176.6	176.6	191.1	191.1	191.1	205.6	205.6	205.6	205.6
EC-i 40, 50 W	272/273					67.1	81.6	81.6	96.1	96.1	96.1	110.6	110.6	110.6	110.6
EC-i 40, 50 W	272/273	16 EASY/Abs.	464/468			78.8	93.3	93.3	107.8	107.8	107.8	122.3	122.3	122.3	122.3
EC-i 40, 50 W	272/273	16 RIO	481			81.6	96.1	96.1	110.6	110.6	110.6	125.1	125.1	125.1	125.1
EC-i 40, 50 W	272/273	AEDL/HEDL	484/490			90.1	104.6	104.6	119.1	119.1	119.1	133.6	133.6	133.6	133.6
EC-i 40, 70 W	274/275					77.1	91.6	91.6	106.1	106.1	106.1	120.6	120.6	120.6	120.6
EC-i 40, 70 W	274/275	16 EASY/Abs.	464/468			88.8	103.3	103.3	117.8	117.8	117.8	132.3	132.3	132.3	132.3
EC-i 40, 70 W	274/275	16 RIO	481			91.6	106.1	106.1	120.6	120.6	120.6	135.1	135.1	135.1	135.1
EC-i 40, 70 W	274/275	AEDL/HEDL	484/490			100.1	114.6	114.6	129.1	129.1	129.1	143.6	143.6	143.6	143.6
EC-i 40, 100 W	276					97.1	111.6	111.6	126.1	126.1	126.1	140.6	140.6	140.6	140.6
EC-i 40, 100 W	276	16 EASY/XT/Abs.	464/468			108.8	123.3	123.3	137.8	137.8	137.8	152.3	152.3	152.3	152.3
EC-i 40, 100 W	276	16 EASY Abs. XT	471			109.3	123.8	123.8	138.3	138.3	138.3	152.8	152.8	152.8	152.8
EC-i 40, 100 W	276	16 RIO	481			111.6	126.1	126.1	140.6	140.6	140.6	155.1	155.1	155.1	155.1
EC-i 40, 100 W	276	AEDL/HEDL	484/490			120.1	134.6	134.6	149.1	149.1	149.1	163.6	163.6	163.6	163.6
EC-i 40, 130 W	277					131.9	146.4	146.4	160.9	160.9	160.9	175.4	175.4	175.4	175.4
EC-i 40, 130 W	277	16 EASY/XT/Abs.	464/468			143.6	158.1	158.1	172.6	172.6	172.6	187.1	187.1	187.1	187.1
EC-i 40, 130 W	277	16 EASY Abs. XT	471			144.1	158.6	158.6	173.1	173.1	173.1	187.6	187.6	187.6	187.6
EC-i 40, 130 W	277	RIO	481			146.4	160.9	160.9	175.4	175.4	175.4	189.9	189.9	189.9	189.9
EC-i 40, 130 W	277	AEDL/HEDL	484/490			154.9	169.4	169.4	183.9	183.9	183.9	198.4	198.4	198.4	198.4
EC 45 flat, 30 W	295					53.9	68.4	68.4	82.9	82.9	82.9	97.4	97.4	97.4	97.4
EC 45 flat, 30 W, cable	295					55.2	69.7	69.7	84.2	84.2	84.2	98.7	98.7	98.7	98.7
EC 45 flat, 30 W	295	MILE	460			56.1	70.6	70.6	85.3	85.3	85.3	99.6	99.6	99.6	99.6
EC 45 flat, 50 W	296					59.5	74.0	74.0	88.5	88.5	88.5	103.0	103.0	103.0	103.0
EC 45 flat, 50 W	296	MILE	460			60.3	74.8	74.8	89.3	89.3	89.3	103.8	103.8	103.8	103.8
EC 45 flat, 60 W	297					59.5	74.0	74.0	88.5	88.5	88.5	103.0	103.0	103.0	103.0
EC 45 flat, 60 W	297	MILE	460			60.3	74.8	74.8	89.3	89.3	89.3	103.8	103.8	103.8	103.8
EC 45 flat, 90 W	298					65.5	80.0	80.0	94.5	94.5	94.5	109.0	109.0	109.0	109.0
EC 45 flat, 90 W	298	MILE	460			66.3	80.8	80.8	95.3	95.3	95.3	109.8	109.8	109.8	109.8
EC 45 flat, 70 W	299					64.5	79.0	79.0	93.5	93.5	93.5	108.0	108.0	108.0	108.0
EC 45 flat, 70 W	299	MILE	460			65.3	79.8	79.8	94.3	94.3	94.3	108.8	108.8	108.8	108.8
EC 45 flat, 80 W	300					64.5	79.0	79.0	93.5	93.5	93.5	108.0	108.0	108.0	108.0
EC 45 flat, 80 W	300	MILE	460			65.3	79.8	79.8	94.3	94.3	94.3	108.8	108.8	108.8	108.8
EC 45 flat, 120 W	301					70.5	85.0	85.0	99.5	99.5	99.5	114.0	114.0	114.0	114.0
EC 45 flat, 120 W	301	MILE	460			71.3	85.8	85.8	100.3	100.3	100.3	114.8	114.8	114.8	114.8
EC 45 flat, IE, IP 00	302					72.7	87.2	87.2	101.7	101.7	101.7	116.2	116.2	116.2	116.2
EC 45 flat, IE, IP 40	302					74.9	89.4	89.4	103.9	103.9	103.9	118.4	118.4	118.4	118.4
EC 45 flat, IE, IP 00	303					77.7	92.2	92.2	106.7	106.7	106.7	121.2	121.2	121.2	121.2
EC 45 flat, IE, IP 40	303					79.9	94.4	94.4	108.9	108.9	108.9	123.4	123.4	123.4	123.4