


List of Electric Propulsion Thrusters flown or ordered																													
Satellite	Operator	In flight / flown	Launch	Application	Platform	Prime	Launch Vehicle	Launch Mass (kg)	Bol. Mass (kg)	Power Capacity (kW)	Power to EP (kW)	Number of thrusters	EOR	SX	PPS 1350-G	PPS 1350-E	PPS 5000	SPT 70	SPT 100	SPT 140	XR-5	TS	T6	XIPS-25	XIPS-13	HEMPT 3050	NSTAR	μ10	
Ekspress-1	RSCC	Y	1994	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
Gals 1	RSCC	Y	1994	Communication	MSS-2500-GSO	NPO	Proton-K Blok DM-2M	2500				8	N	Y						8									
Gals 2	RSCC	Y	1995	Communication	MSS-2500-GSO	NPO	Proton-K Blok DM-2M	2500				8	N	Y						8									
Astra 1H		Y	1995		BSS-601HP	Boeing Satellite Systems		3700	2480			4	N	Y											4				
Ekspress-2	RSCC	Y	1996	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
Astra 2A		Y	1996		BSS-601HP	Boeing Satellite Systems		3626	2470			4	N	Y											4				
Galaxy 8i	PanAmSat	Y	1997		BSS-601HP	Boeing Satellite Systems		3537				4	N	Y												4			
PAS 5	PanAmSat	Y	1997		BSS-601HP	Boeing Satellite Systems		3600				4	N	Y												4			
PAS 6B	PanAmSat	Y	1998		BSS-601HP	Boeing Satellite Systems		3470				4	N	Y												4			
Eutelsat 115 West A SATMEX 5	Eutelsat Americas	Y	1998		BSS-601HP	Boeing Satellite Systems		4135				4	N	Y												4			
Deep Space 1	NASA	Y	1998	Science	NASA							1	All Electric	All Electric													1		
Ekspress-A 1	RSCC	Y	1999	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
Yamal 101	GazKom	Y	1999	Communication	USP Bus	RKK Energiya		1360		1.5		8	N	Y					8										
Yamal 102	GazKom	Y	1999	Communication	USP Bus	RKK Energiya		1360		1.5		8	N	Y					8										
Galaxy 11	PanAmSat	Y	1999		BSS-702	Boeing Satellite Systems		4477				4	N	Y											4				
Orion 3	Orion Network System	Y	1999		BSS-601HP	Boeing Satellite Systems		4300				4	N	Y												4			
Ekspress-A 2	RSCC	Y	2000	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
Ekspress-A 3	RSCC	Y	2000	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
SESAT-1 (Eutelsat 15C)	Eutelsat	Y	2000		NPO			2500				8	N	Y						8									
Galaxy 4R	PanAmSat	Y	2000		BSS-601HP	Boeing Satellite Systems		3668				4	N	Y												4			
Galaxy 4R	PanAmSat	Y	2000		BSS-601HP	Boeing Satellite Systems		3475				4	N	Y												4			
PAS 1R	PanAmSat	Y	2000		BSS-702	Boeing Satellite Systems		4792				4	N	Y											4				
PAS 9	PanAmSat	Y	2000		BSS-601HP	Boeing Satellite Systems		3659				4	N	Y												4			
XM 1	XM Satellite Radio Holdings	Y	2001		BSS-702	Boeing Satellite Systems		4682				4	N	Y											4				
XM 2	XM Satellite Radio Holdings	Y	2001		BSS-702	Boeing Satellite Systems		4682				4	N	Y											4				
PAS 10	PanAmSat	Y	2001		BSS-601HP	Boeing Satellite Systems		3739				4	N	Y											4				
Artemis	ESA	Y	2001	Communication	ESA		Ariane-5G	3100					Y	Y															
Ekspress-A 1R	RSCC	Y	2002	Communication	MSS-2500-GSO	NPO		2500				8	N	Y						8									
Galaxy 3C	PanAmSat	Y	2002		BSS-702	Boeing Satellite Systems		4810				4	N	Y											4				
Astra 1X	SES	Y	2002	Communication	Spacebus-3000B3S	Thales Alenia Space		5250				4	N	Y						4									
Ekspress-A M22 (SESAT 2)	RSCC	Y	2003	Communication	MSS-2500-GSO	NPO		2542				8	N	Y						8									
Yamal 201	GazKom	Y	2003	Communication	USP Bus	RKK Energiya		1360		1.5		8	N	Y					8										
Galaxy 13	PanAmSat	Y	2003		BSS-601HP	Boeing Satellite Systems		4060	2630			4	N	Y												4			
Hayabusa-1	Jaxa	Y	2003	Science	Jaxa			510				4	All Electric	All Electric													4		
SMART-1	ESA	Y	2003	Science / Technology Experiment	ESA	Swedish Space Corporation	Ariane-5GS	350				1	All Electric	All Electric	1														
Ekspress-A M1	RSCC	Y	2004	Communication	MSS-2500-GSO	NPO		2542				8	N	Y						8									
Ekspress-A M11	RSCC	Y	2004	Communication	MSS-2500-GSO	NPO		2542				8	N	Y						8									
Intelsat 10-02	Intelsat	Y	2004	Communication	Eurostar-3000	Airbus	Proton	5575			1.5	4	N	Y						4									
Mbsat 1	Mobile Broadcasting Corp	Y	2004		SSL 1300	Space System Loral	Atlas 3A	4143				4	N	Y						4									
Ekspress-A M2	RSCC	Y	2005	Communication	MSS-2500-GSO	NPO		2542				8	N	Y						8									
Ekspress-A M3	RSCC	Y	2005	Communication	MSS-2500-GSO	NPO		2542				8	N	Y						8									
Inmarsat-4 F1	Inmarsat	Y	2005	Communication	Eurostar 3000GM	Airbus	Atlas-5	5959				4	N	Y						4									
Inmarsat-4 F2	Inmarsat	Y	2005	Communication	Eurostar 3000GM	Airbus	Zenit 35LB	5945				4	N	Y						4									
Spaceway 1	DirectV, Hughes	Y	2005		BSS-702	Boeing Satellite Systems		6080 (3832 Bol)				4	N	Y											4				
Spaceway 2	DirectV, Hughes	Y	2005		BSS-702	Boeing Satellite Systems		6116 (3832 Bol)				4	N	Y											4				

Eutelsat 117 West-8 (SATMEX 8)	Eutelsat	Y	2016		BSS-702 SP	Boeing Satellite Systems		1963						4	All Electric	All Electric											4									
ABS 2A	Asia Broadcast Satellite (ABS)	Y	2016		BSS-702 SP	Boeing Satellite Systems		2000						4	All Electric	All Electric											4									
SES 9	SES	Y	2016		BSS-702HP	Boeing Satellite Systems		5330						4	N	Y											4									
Europasat/HellasSat 3	Inmarsat	N	2017		Spacebus-4000C4	Thales Alenia Space	Falcon Heavy	5900			1,5			4	N	Y						4														
Al Yah 3	Al Yah	N	2017		GEOSTAR-3	Orbital Sciences Corporation (OSCI)		3500						4	Y	Y						4														
SES 16	SES / LuxGovSat	N	2017		GEOSTAR-3	Orbital Sciences Corporation (OSCI)		4000						4	N	Y						4														
HYLAS 4	Avanti	N	2017		GEOSTAR-3	Orbital Sciences Corporation (OSCI)		4000						4	N	Y						4														
AEHF 4	USAF	N	2017	Military	A2100M	Lockheed Martin		6168			5			4	N	Y						4														
Eutelsat 17B	Eutelsat	N	2017	Communication	Eurostar 3000EOR	Airbus		3500		13				4	All Electric	All Electric						4														
SES 12	SES	N	2017	Communication	Eurostar 3000EOR	Airbus		5300						4	All Electric	All Electric						4														
SES 14/GOLD	SES	N	2017	Communication	Eurostar 3000EOR	Airbus		4200						4	All Electric	All Electric						4														
SES 15	SES	N	2017		BSS-702SP	Boeing Satellite Systems		2300						4	All Electric	All Electric											4									
AEHF 5	USAF	N	2018	Military	A2100M	Lockheed Martin		6168			5			4	N	Y						4														
Eutelsat 7C	Eutelsat	N	2018	Communication	SSL-1300	Space System Loral								0	All Electric	All Electric																				
BepiColombo MTM	ESA	N	2018	Science	ESA	Airbus	Ariane-5ECA							4	All Electric	All Electric											4									
AEHF 6	USAF	N	2019	Military	A2100M	Lockheed Martin		6168			5			4	N	Y						4														
Eutelsat AFRICAN BROADBAND SAT1 I1TF	Eutelsat	N	2019	Communication	Spacebus-NEO	Thales Alenia Space		3500		16				4	All Electric	All Electric						4														
Inmarsat-6 F1	Inmarsat	N	2020	Communication	Eurostar 3000EOR	Airbus								4	All Electric	All Electric						4														
Inmarsat-6 F2	Inmarsat	N	2020	Communication	Eurostar 3000EOR	Airbus								4	All Electric	All Electric							4													
SES 17	SES	N	2020	Communication	Spacebus-NEO	Thales Alenia Space		6000						4	All Electric	All Electric						4														
Heinrich Hertz	BMWi/BMVG	N	2020	Communication	Small GEO	OHB					2,8			4	N	Y										2									2	
ComSAT NG 1	DGA	N	2021	Military	Spacebus-NEO	Thales Alenia Space		3500		16				4	All Electric	All Electric						4														
ComSAT NG 2	DGA	N	2021	Military	Eurostar 3000EOR	Thales Alenia Space		3500		16				4	All Electric	All Electric						4														
		N			Electra	OHB								0	All Electric	All Electric																				
					702 HP	Boeing Satellite Systems		5900		18	4,5			4	Y												4									
					702 SP	Boeing Satellite Systems		2500		7,5				0	All Electric	All Electric																				
KA-SAT	Eutelsat													0	N	NSSK																				
?		Y		Communication	SSL 1300	Space System Loral								4	N	Y						4														
?		Y		Communication	SSL 1300	Space System Loral								4	N	Y						4														
?		Y		Communication	SSL 1300	Space System Loral								4	N	Y						4														
?		Y		Communication	SSL 1300	Space System Loral								4	N	Y						4														
?		N		Communication		Space System Loral								4	N	Y						4														
Number of EP thrusters flown or ordered per model															5	4	36	24	254	0	36	2	4	120	48	2	4	8								

Total number of EP thrusters flown or ordered	547
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