



Industrial power selector

 **Perkins**[®]

THE HEART OF EVERY GREAT MACHINE

Contents

Perkins brand promise 4

Diesel engine ratings definitions 6

EU Stage V 8

402J-05
403J-07
403J-11
403J-11T
403J-17
403J-17T
Perkins® Syncro 1.7
Perkins Syncro 2.2
Perkins Syncro 2.8
Perkins Syncro 3.6
1204J-E44TA
1204J-E44TTA

1206J-E70TA
1206J-E70TTA
1706J-E93TA
2406J-E13TA
2506J-E15TA
2806J-E18TA
2806J-E18TTA

U.S. EPA & CARB Tier 4 Final 13

403F-07
403J-11
403J-11T
403J-17
403J-17T
Perkins Syncro 1.7
Perkins Syncro 2.2

Perkins Syncro 2.8
Perkins Syncro 3.6
1204J-E44TA
1204J-E44TTA
1206J-E70TA
1206J-E70TTA
1706J-E93TA
2406J-E13TA
2506J-E15TA
2806J-E18TA
2806J-E18TTA

China Nonroad Stage IV

17

403EA-11
403EA-11T
403EA-17
404EA-22
404EA-22T
Perkins Syncro 3.6
1204EA-E44TA
1204EA-E44TTA
1206EA-E70TA
1206EA-E70TTA
1706EA-E93TA
2406EA-E13TA
2506EA-E15TA
2806EA-E18TA

UN ECE R96 Stage IIIA
or below

20

402D-05
403D-07
403D-11
403D-15
403D-15T
403D-17
404D-22
404D-22T
404D-22TA
Perkins Syncro 2.8
1103D-33
1103D-33TA
Perkins Syncro 3.6
1104A-44
1104A-44T
1104C-44

1104C-44T
1104C-44TA
1104D-44
1104D-44T
1104D-44TA
1104D-E44T
1104D-E44TA
1106C-70TA
1106D-70TA
1106D-E70TA
1706D-E93TA
2206D-E13TA
2506D-E15TA
2806C-E18TTA
2806D-E18TA
2806D-E18TTA

Basic specifications

26

Perkins brand promise

Our brand promise revolves around **collaboration and the benefits that collaboration delivers. These benefits are channelled through five key pillars:**



WORLD-CLASS PRODUCTS

Power in the way that you want it

Perkins offers an industry leading choice of world-class engines and options, so you can be confident that we'll have the right engine platform for your market and application - and that we will work with you to configure it to your exact needs. We deliver power in the way that you want it.



GLOBAL BUSINESS CONSISTENCY

Consistent collaboration, wherever you are

Perkins manufactures globally to the same rigorous process and quality standards, so you'll be working with an experienced single supplier who will deliver the exact same engine wherever you are in the world, minimising time, risk and cost. We deliver consistent power, wherever you are.



EXPERTISE IN MACHINE INTEGRATION

**Reliable power in
the way you want it**

Helping solve unique power challenges for over 85 years, Perkins has supported OEMs in everything from engine design and development through to machine installation. Today, we work side by side with our customers to create bespoke applications which accelerate and optimise machine integration to meet your specific market needs and reduce risk, development costs and time to market. We help you design innovative power solutions.



GENUINELY FLEXIBLE AFTERMARKET SUPPORT

**Service, the
way you prefer**

With an extensive and fully resourced global presence and a commitment to collaboration beyond just engine installation, we're able to customise our aftermarket services to your needs and choose from a flexible range of high quality options. We help you service your equipment in the way that you prefer.



EXPERTISE BEYOND ENGINES

**Understanding your
objectives and
working with you
to achieve them**

Integrated with your business and working as an extension of your team, our focus is on understanding your objectives and working with you to achieve them. We are invested in your ambition and driven by your needs, which helps us to respond more effectively - and deliver optimum power solutions.

Diesel engine ratings definitions

IND-A (Continuous)

Continuous heavy-duty service where the engine is operated at maximum power and speed up to 100% of the time without interruption or load cycling.

IND-B

For service where power and/or speed are cyclic (time at full load not to exceed 80%).

IND-C (Intermittent)

Is the horsepower and speed capability of the engine where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

IND-D

For service where maximum power is required for periodic overloads (time at full load not to exceed 10% of the duty cycle).

IND-E

For service where maximum power is required for a short time for initial starting or sudden overload. For emergency service where standard power is unavailable (time at full load not to exceed 5% of the duty cycle).

Abbreviations

For engine aspirations

NA.....	naturally aspirated
T.....	turbocharged
TA.....	turbocharged and aftercooled
TTA.....	twin turbocharged and aftercooled

For aftertreatment

DOC.....	diesel oxidation catalyst
DPF.....	diesel particulate filter
SCR.....	selective catalytic reduction

Rating conditions

Rating conditions for engines up to and including 7.1 litre displacement are based on ISO/TR14396.

Ratings for engines above 7.1 litre displacement are based on SAEJ1995.

The charts represent only a selection of the power ratings available from the Perkins industrial engine range and may not yet be in full production. Other emissions standards may be available.

Contact your Perkins distributor www.perkins.com/distributor for advice on your powertrain.

Information is subject to change without notification.

EU Stage V

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
0.51	402J-05	2	NA	8.8 (11.8)	3000	30 (22)	2100	-	C	
0.76	403J-07	3	NA	9 (12.1)	2200	40 (30)	1800	-	C	
				12.2 (16.4)	2800	45 (33)	2000			
				13.3 (17.8)	3600	44 (32)	2400			
1.1	403J-11	3	NA	14.7 (19.7)	2200	67 (49)	2100	-	C	Y
				16.1 (22)	2400	67 (49)	2100			
				18.4 (25)	2800	67 (49)	2100			
				18.9 (25)	2800	69 (51)	2100			
	403J-11T		T	18.4 (25)	2800	86 (63)	1600			
				18.9 (25)	2800	86 (63)	1600			

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
1.7	403J-17	3	NA	18.4 (25)	2800	85 (63)	1800	-	C	
				18.4 (25)	2200	92 (68)	1600			
				18.9 (25)	2800	87 (64)	1800			
				18.9 (25)	2200	98 (72)	1400			
	403J-17T		T	17.7 (24)	2200	100 (74)	1600			
				18.2 (24)	2200	103 (76)	1600			
				18.4 (25)	2800	90 (66)	1800			
				18.9 (25)	2800	92 (68)	1800			
Perkins Syncro 1.7		36 (48)	2800	166 (122)	1400	DOC+DPF				
2.2	Perkins Syncro 2.2	4	T	36 (48)	2800	190 (140)	1600	DOC+DPF	C	
				45 (60)	2800	222 (164)	1600			
			TA	45 (60)	2800	235 (173)	1600			
				50 (67)	2800	252 (186)	1600			
				55 (74)	2800	270 (199)	1600			
2.8	Perkins Syncro 2.8	4	T	50 (67)	2200-2400	265 (195)	1600	DOC+DPF	C	
				55 (74)	2200-2400	265 (195)	1600			
				55 (74)	2200-2400	300 (221)	1600			
				55 (74)	2200-2400	380 (280)	1380			
			TA	55 (74)	2200-2400	380 (280)	1380			

EU Stage V

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit	
3.6	Perkins Syncro 3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	DOC+DPF	C		
				70 (94)	2200-2400	450 (332)	1500	DOC+DPF +SCR			
				90 (121)	2000-2400	500 (369)	1500				
				95 (127)	2000-2400	530 (391)	1500				
				100 (134)	2000-2200	550 (406)	1500	D			
4.4	1204J-E44TA	4	TA	82 (110)	2000-2200	450 (332)	1400	DOC+DPF +SCR	C		
				98 (131)	2000-2200	530 (391)	1400				
				102 (137)	2000-2200	560 (413)	1400				
				106 (142)	2000-2200	560 (413)	1400				
				110 (148)	2000-2200	560 (413)	1400				
	1204J-E44TTA		TTA	105 (141)	2000-2200	750 (553)	1400				
				112 (150)	2000-2200	750 (553)	1400				
				129 (173)	2000-2200	750 (553)	1400				
				140 (188)	1800-2000	825 (609)	1400				
			150 (201)	2200	825 (609)	1400		D			

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
7	1206J-E70TA	6	TA	129 (173)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	Y
				151 (202)	1800-2200	908 (670)	1400			
	1206J-E70TTA		TTA	151 (202)	1800-2200	983 (725)	1400			
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
				225 (302)	1800-2200	1274 (940)	1400			
				239 (320)	1800	1282 (946)	1400	D		
9.3	1706J-E93TA	6	TA	250 (335)	1800-2200	1537 (1134)	1400	DOC+DPF+SCR	A	Y
				280 (375)	1800-2200	1721 (1269)	1400		B	
				310 (416)	1800-2200	1904 (1404)	1400		C	
				340 (456)	1800-2000	2088 (1540)	1400		D	
12.5	2406J-E13TA	6	TA	340 (456)	1800-2100	2082 (1536)	1400	DOC+DPF+SCR	A	Y
				370 (496)	1800-2100	2266 (1671)	1400		B	
				400 (536)	1800-2100	2450 (1807)	1400		C	
				430 (577)	1800-2100	2634 (1943)	1400		D	

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
15.2	2506J-E15TA	6	TA	354 (475)	1800-2100	2174 (1603)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1603)	1400		B	
				403 (540)	1800-2100	2472 (1823)	1400		C	
				433 (580)	1800-2100	2655 (1958)	1400		D	
18.1	2806J-E18TA	6	TA	429 (575)	1800-2000	2694 (1987)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2811 (2073)	1300		B	
				470 (630)	1800-2000	2951 (2177)	1300		C	
	2806J-E18TTA		TTA	563 (755)	1800	3501 (2582)	1300	DOC	D	
				597 (800)	1800	3710 (2736)	1300			

**U.S. EPA & CARB
Tier 4 Final**

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit		
0.76	403F-07	3	NA	8.8 (11.8)	2200	41 (30)	1800	-	C			
1.1	403J-11	3	NA	14.7 (19.7)	2200	67 (49)	2100	-	C	Y		
				16.1 (22)	2400	67 (49)	2100					
				18.4 (25)	2800	67 (49)	2100					
	403J-11T	T	18.4 (25)	2800	86 (63)	1600						
1.7	403J-17	3	NA	18.4 (25)	2800	85 (63)	1800	-	C			
				18.4 (25)	2200	92 (68)	1600					
	403J-17T		T	17.7 (24)	2200	100 (74)	1600					
				18.4 (25)	2800	90 (66)	1800					
				30 (40)	2800	125 (92)	1800				DOC	Y
				36 (48)	2800	166 (122)	1400				DOC+DPF	
Perkins Syncro 1.7												
2.2	Perkins Syncro 2.2	4	T	36 (48)	2800	165 (122)	1800	DOC	C	Y		
				36 (48)	2800	190 (140)	1600	DOC+DPF				
				45 (60)	2800	222 (164)	1600					
			TA	45 (60)	2800	235 (173)	1600					
				50 (67)	2800	252 (186)	1600					
				55 (74)	2800	270 (199)	1600					

U.S. EPA & CARB
Tier 4 Final

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
2.8	Perkins Syncro 2.8	4	T	50 (67)	2200-2400	265 (195)	1600	DOC or DOC+DPF	C	
				55 (74)	2200-2400	265 (195)	1600			
				55 (74)	2200-2400	300 (221)	1600			
			TA	55 (74)	2200-2400	380 (280)	1380	DOC+DPF		
3.6	Perkins Syncro 3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	DOC+DPF	C	
				70 (94)	2200-2400	450 (332)	1500	DOC+DPF +SCR		
				90 (121)	2000-2400	500 (369)	1500			
				95 (127)	2000-2400	530 (391)	1500			
				100 (134)	2000-2200	550 (406)	1500	D		

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
4.4	1204J-E44TA	4	TA	82 (110)	2000-2200	450 (332)	1400	DOC+DPF+SCR	C	
				98 (131)	2000-2200	530 (391)	1400			
				102 (137)	2000-2200	560 (413)	1400			
				106 (142)	2000-2200	560 (413)	1400			
				110 (148)	2000-2200	560 (413)	1400			
	1204J-E44TTA		TTA	105 (141)	2000-2200	750 (553)	1400			
				112 (150)	2000-2200	750 (553)	1400			
				129 (173)	2000-2200	750 (553)	1400			
				140 (188)	1800-2000	825 (609)	1400			
				150 (201)	2200	825 (609)	1400			
								D		
7	1206J-E70TA	6	TA	129 (173)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	
				151 (202)	1800-2200	908 (670)	1400			
	1206J-E70TTA		TTA	151 (202)	1800-2200	983 (725)	1400			
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
				225 (302)	1800-2200	1274 (940)	1400			
	239 (320)		1800	1282 (946)	1400		D			

**U.S. EPA & CARB
Tier 4 Final**

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
9.3	1706J-E93TA	6	TA	250 (335)	1800-2200	1537 (1134)	1400	DOC+DPF +SCR	A	Y
				280 (375)	1800-2200	1721 (1269)	1400		B	
				310 (416)	1800-2200	1904 (1404)	1400		C	
				340 (456)	1800-2000	2088 (1540)	1400		D	
12.5	2406J-E13TA	6	TA	340 (456)	1800-2100	2082 (1536)	1400	DOC+DPF +SCR	A	Y
				370 (496)	1800-2100	2266 (1671)	1400		B	
				400 (536)	1800-2100	2450 (1807)	1400		C	
				430 (577)	1800-2100	2634 (1943)	1400		D	
15.2	2506J-E15TA	6	TA	354 (475)	1800-2100	2174 (1603)	1400	DOC+DPF +SCR	A	Y
				354 (475)	1800-2100	2174 (1603)	1400		B	
				403 (540)	1800-2100	2472 (1823)	1400		C	
				433 (580)	1800-2100	2655 (1958)	1400		D	
18.1	2806J-E18TA	6	TA	429 (575)	1800-2000	2694 (1987)	1300	DOC+DPF +SCR	A	Y
				447 (599)	1800-2000	2811 (2073)	1300		B	
				470 (630)	1800-2000	2951 (2177)	1300		C	
	2806J-E18TTA		TTA	563 (755)	1800	3501 (2582)	1300	DOC	D	
				597 (800)	1800	3710 (2736)	1300			

China Nonroad Stage IV

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
1.1	403EA-11	3	NA	16.1 (22)	2400	68 (50)	2100	-	C	
				18.4 (25)	2800	64 (47)	2100			
				18.4 (25)	2800	68 (50)	2100			
				21 (28)	3400	70 (52)	2400			
	403EA-11T		T	18.4 (25)	2400	86 (63)	1600			
1.7	403EA-17	3	NA	18.9 (25)	2200	98 (72)	1400	-	C	
2.2	404EA-22	4	NA	34 (46)	2400	141 (104)	1800	-	C	
				36 (48)	2800	140 (103)	1800			
				36 (48)	2800	143 (105)	1800			
	404EA-22T		T	36 (48)	2500	190 (140)	1700			
3.6	Perkins Syncro 3.6	4	TA	74 (99)	2200	430 (317)	1500	DOC+DPF	C	
				82 (110)	2200	450 (332)	1500			
4.4	1204EA-E44TA	4	TA	110 (148)	2000	560 (413)	1400	DOC+DPF	C	
	1204EA-E44TTA		TTA	112 (150)	2200	650 (479)	1400			
				117 (157)	1900-2200	730 (538)	1400			
				129 (173)	1900-2200	750 (553)	1400			

China Nonroad Stage IV

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
7	1206EA-E70TA	6	TA	130 (174)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	
				151 (202)	1800-2200	870 (642)	1400			
	1206EA-E70TTA		TTA	151 (202)	1800-2200	983 (725)	1400			
				168 (225)	1800-2200	1092 (805)	1400			
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
				225 (302)	2000-2200	1274 (940)	1400			
9.3	1706EA-E93TA	6	TA	250 (335)	1800-2200	1530 (1129)	1400	DOC+DPF+SCR	A	Y
				280 (375)	1800-2200	1714 (1264)	1400		B	
				310 (416)	1800-2200	1897 (1399)	1400		C	
				340 (456)	1800	2088 (1540)	1400		D	
12.5	2406EA-E13TA	6	TA	340 (456)	1800-2100	2082 (1536)	1400	DOC+DPF+SCR	A	Y
				370 (496)	1800-2100	2266 (1671)	1400		B	
				400 (536)	1800-2100	2450 (1807)	1400		C	
				430 (577)	1800-2100	2634 (1943)	1400		D	

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
15.2	2506EA-E15TA	6	TA	354 (475)	1800-2100	2174 (1603)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1603)	1400		B	
				403 (540)	1800-2100	2472 (1823)	1400		C	
				433 (580)	1800-2100	2655 (1958)	1400		D	
18.1	2806EA-E18TA	6	TA	429 (575)	1800-2000	2694 (1987)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2811 (2073)	1300		B	
				470 (630)	1800-2000	2951 (2177)	1300		C	

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
0.51	402D-05	2	NA	8.2 (11)	2800	30 (22)	2100	-	C	
				10.2 (13.7)	3600	30 (22)	2600			
0.76	403D-07	3	NA	15.3 (21)	3600	50 (37)	2400	-	C	
1.1	403D-11	3	NA	17.3 (23)	2600	67 (49)	2100	-	C	Y
				19.7 (26)	3000	67 (49)	2100			
				21 (28)	3400	67 (49)	2400			
1.5	403D-15	3	NA	22 (30)	2400	96 (71)	1800	-	C	Y
				23 (31)	2600	96 (71)	1800			
				24 (32)	2800	96 (71)	1800			
				25 (34)	3000	96 (71)	1800			
	403D-15T		T	23 (31)	2200	112 (83)	1800			
				25 (34)	2400	112 (83)	1800			
				27 (36)	2600	112 (83)	1800			
				29 (39)	2800	112 (83)	1800			
				30 (40)	3000	112 (83)	1800			

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
1.7	403D-17	3	NA	24 (32)	2400	105 (77)	1800	-	C	
2.2	404D-22	4	NA	31 (42)	2200	143 (105)	1800	-	C	Y
				36 (48)	2600	143 (105)	1800			
				37 (50)	2800	143 (105)	1800			
				38 (51)	3000	143 (105)	1800			
	404D-22T		T	36 (48)	2800	190 (140)	1700			
				40 (54)	2600	189 (139)	1800			
				43 (58)	2600	189 (139)	1800			
				45 (60)	2800	189 (139)	1800			
				46 (62)	3000	189 (139)	1800			
404D-22TA	TA	49 (66)	2800	200 (148)	1800					

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
2.8	Perkins Syncro 2.8	4	T	50 (67)	2200-2400	265 (195)	1600	-	C	
				55 (74)	2200-2400	265 (195)	1600			
				55 (74)	2200-2400	300 (221)	1600			
3.3	1103D-33	3	NA	37 (50)	2200	189 (139)	1400	-	C	
	1103D-33TA		TA	58 (78)	2200	310 (229)	1400			
3.6	Perkins Syncro 3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	-	C	
				70 (94)	2200-2400	450 (332)	1500			
				82 (110)	2000-2400	500 (369)	1500			
				86 (115)	2000-2400	500 (369)	1500			
				90 (121)	2000-2400	500 (369)	1500			

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
4.4	1104A-44	4	NA	64 (86)	2200	293 (216)	1400	-	C	
	1104A-44T		T	81 (109)	2200	404 (298)	1400			
	1104C-44		NA	64 (86)	2400	302 (223)	1400			
	1104C-44T		T	75 (101)	2300	408 (301)	1400			Y
	1104C-44TA		TA	97 (130)	2200	500 (369)	1400			
	1104D-44		NA	56 (75)	2200	265 (195)	1700			
	1104D-44T		T	75 (101)	2200	392 (289)	1400			Y
	1104D-44TA		TA	83 (111)	2200	418 (308)	1400			
	1104D-E44T		T	75 (101)	2200	420 (310)	1400			
	1104D-E44TA		TA	75 (101)	2200	441 (325)	1400			Y
				82 (110)	2200	486 (358)	1400			
				87 (117)	2200	516 (381)	1400			
				97 (130)	2200	516 (381)	1400			
106 (142)		2200		558 (412)	1400					

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
7	1106C-70TA	6	TA	112 (150)	1950	687 (507)	1200	-	C	Y
				129 (173)	2200	733 (541)	1400			
				137 (184)	2200	725 (535)	1400			
				145 (194)	2200	755 (557)	1400			
				162 (217)	2200	900 (664)	1400			
	1106D-70TA			112 (150)	2200	672 (496)	1100			
	1106D-E70TA			117 (157)	2200	706 (521)	1400			
				129 (173)	2500	695 (513)	1400			
				168 (225)	2200	1028 (758)	1400			
				186 (249)	2200	1050 (774)	1400			
205 (275)		2200	1050 (774)	1400						
9.3	1706D-E93TA	6	TA	230 (308)	1800-2200	1416 (1044)	1400	-	A B C	Y
				250 (335)	1800-2200	1532 (1130)	1400			
				280 (375)	1800-2000	1715 (1265)	1400			
				310 (416)	1800-1900	1810 (1335)	1400			

Litres	Model	Cylinders	Aspiration	Power kW (hp)	Rated speed rpm	Maximum torque Nm (lb ft)	Maximum torque speed rpm	Aftertreatment	Rating type	Available as a power unit
12.5	2206D-E13TA	6	TA	287 (385)	1800-2100	1760 (1298)	1400	-	A	Y
				328 (440)	1800-2100	2011 (1483)	1400		C	
				385 (516)	1800	2364 (1744)	1400		E	
				388 (520)	1800-2100	2215 (1634)	1400		C	
				400 (536)	1800-2000	2122 (1565)	1800		C	
15.2	2506D-E15TA	6	TA	354 (475)	1800-2100	2171 (1601)	1400	-	B	Y
				403 (540)	1800-2100	2464 (1817)	1400		C	
				433 (580)	1800-2100	2649 (1954)	1400		D	
				444 (595)	1800-2100	2719 (2005)	1400		E	
18.1	2806C-E18TTA	6	TTA	571 (765)	1800-2100	3495 (2578)	1400	-	D	Y
	2806D-E18TA		TA	597 (800)	1800-2100	3655 (2696)	1400		E	
				429 (575)	1800-2100	2627 (1938)	1400		A	
				448 (600)	1800-2100	2742 (2022)	1400		B	
	2806D-E18TTA		TTA	470 (630)	1800-2100	2768 (2042)	1400		C	
				522 (700)	1800-2100	3201 (2361)	1400			

Basic specifications

All of our engines are offered with a choice of factory configurable options. The weight and dimensions will depend on the final configuration selected to match your machine. The figures in this table are therefore indicative only, and do not include aftertreatment.

Model	Bore mm (in)	Stroke mm (in)	Length mm (in) front of crank pulley to rear face of flywheel housing	Width mm (in)	Height mm (in)	Dry weight kg (lbs)
402J-05	67 (2.6)	72 (2.8)	407 (16)	371 (14.6)	523 (20.6)	57 (126)
403J-07	67 (2.6)	72 (2.8)	480 (18.9)	371 (14.6)	528 (20.8)	71 (157)
403J-11	77 (3)	81 (3.2)	491 (19.3)	400 (15.7)	576 (22.7)	96 (212)
403J-11T	77 (3)	81 (3.2)	500 (19.7)	513 (20.2)	588 (23.1)	108 (238)
403D-15T	84 (3.3)	90 (3.5)	572 (22.5)	541 (21.3)	643 (25.3)	156.5 (345)
403J-17	84 (3.3)	100 (3.9)	572 (22.5)	453 (17.8)	643 (25.3)	158 (348)
403J-17T	84 (3.3)	100 (3.9)	572 (22.5)	502 (19.8)	643 (25.3)	162 (357)
Perkins Syncro 1.7	84 (3.3)	100 (3.9)	719 (28.3)	535 (21.1)	565 (22.2)	190 (419)

Model	Bore mm (in)	Stroke mm (in)	Length mm (in) front of crank pulley to rear face of flywheel housing	Width mm (in)	Height mm (in)	Dry weight kg (lbs)
403EA-11	77 (3)	81 (3.2)	491 (19.3)	400 (15.7)	576 (22.7)	87 (192)
403EA-17	84 (3.3)	100 (3.9)	564 (22.2)	453 (17.8)	654 (25.7)	160 (353)
404EA-22	84 (3.3)	100 (3.9)	661 (26)	464 (18.3)	676 (26.6)	184 (406)
Perkins Syncro 2.2	84 (3.3)	100 (3.9)	808 (31.8)	535 (21.1)	758 (29.8)	242 (534)
Perkins Syncro 2.8	90 (3.5)	110 (4.3)	633.1 (24.9)	542.5 (21.4)	785.5 (30.9)	320 (706)
1103D-33TA	105 (4.1)	127 (5)	546 (21.5)	586 (23.1)	826 (32.5)	276 (609)
Perkins Syncro 3.6	98 (3.9)	120 (4.7)	667 (26.3)	564 (22.2)	787 (31)	372 (820)
1104A-44T	105 (4.1)	127 (5)	786 (30.9)	558 (22)	947 (37.3)	372 (820)
1104D-44TA	105 (4.1)	127 (5)	663 (26.1)	620 (24.4)	775 (30.5)	306 (675)
1104D-E44TA	105 (4.1)	127 (5)	631 (24.8)	626 (24.6)	958 (37.7)	360 (794)
1204J-E44TTA	105 (4.1)	127 (5)	845 (33.3)	772 (30.4)	848 (33.4)	420 (926)
1106D-70TA	105 (4.1)	135 (5.3)	1074 (42.3)	721 (28.4)	824 (32.4)	704 (1552)
1106D-E70TA	105 (4.1)	135 (5.3)	1050 (41.3)	668 (26.3)	817 (32.2)	506 (1116)
1206EA-E70TTA	105 (4.1)	135 (5.3)	1064 (41.9)	820 (32.3)	907 (35.7)	751 (1656)
1206J-E70TTA	105 (4.1)	135 (5.3)	1064 (41.9)	820 (32.3)	907 (35.7)	733 (1616)

Basic specifications

Model	Bore mm (in)	Stroke mm (in)	Length mm (in) front of crank pulley to rear face of flywheel housing	Width mm (in)	Height mm (in)	Dry weight kg (lbs)
1706EA-E93TA	115 (4.5)	149 (5.9)	1125 (44.3)	791 (31.1)	1068 (42)	865 (1907)
1706J-E93TA	115 (4.5)	149 (5.9)	1125 (44.3)	791 (31.1)	1068 (42)	865 (1907)
2406EA-E13TA	130 (5.1)	157 (6.2)	1274 (50.2)	994 (39.1)	1134 (44.6)	1125 (2481)
2406J-E13TA	130 (5.1)	157 (6.2)	1274 (50.2)	994 (39.1)	1134 (44.6)	1125 (2481)
2506EA-E15TA	137 (5.4)	171 (6.7)	1438 (56.6)	969 (38.1)	1248 (49.1)	1542 (3400)
2506J-E15TA	137 (5.4)	171 (6.7)	1438 (56.6)	943 (37.1)	1239 (48.8)	1542 (3400)
2806EA-E18TA	145 (5.7)	183 (7.2)	1438 (56.6)	943 (37.1)	1239 (48.8)	1542 (3400)
2806J-E18TA	145 (5.7)	183 (7.2)	1438 (56.6)	943 (37.1)	1239 (48.8)	1542 (3400)

Notes

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