



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
2206J-E13TA
2406J-E13TA
2506J-E15TA
2806J-E18TA
2806J-E18TTA

U.S. EPA & CARB Tier 4 Final 13

402J-05
403F-07
403J-11
403J-11T
403F-15
403J-17
403J-17T

Perkins Syncro 1.7
Perkins Syncro 2.2
Perkins Syncro 2.8
Perkins Syncro 3.6
1204F-E44TA
1204F-E44TTA
1204J-E44TA
1204J-E44TTA
1206F-E70TA
1206F-E70TTA
1206J-E70TA
1206J-E70TTA
1706J-E93TA
2206J-E13TA
2406J-E13TA
2506J-E15TA
2806J-E18TA
2806J-E18TTA

China Nonroad Stage IV 19

403EA-07
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 22

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
1204D-E44TTA
1106C-70TA
1106D-70TA
1106D-E70TA
1206D-E70TTA
1706D-E93TA
2206D-E13TA
2506D-E15TA
2806C-E18TTA
2806D-E18TA
2806D-E18TTA

Basic specifications

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	series 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.

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)	2000	-	C	
0.76	403J-07	3	NA	9 (12.1)	2200	40 (30)	1800	-	C	
				12.2 (16.4)	2800	45 (33)	2400			
				13.3 (17.8)	3600	44 (32)	2400			
1.1	403J-11	3	NA	14.7 (19.7)	2200	67 (49)	2000	-	C	
				16.1 (22)	2400	67 (49)	2000			
				18.4 (25)	2800	67 (49)	2000			
				18.9 (25)	2800	69 (51)	2000			
	403J-11T		T	18.4 (25)	2400-2800	86 (63)	1600			
				18.9 (25)	2400-2800	86 (63)	1600			
									Y	

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)	2200	85 (63)	1800	-	C	
				18.4 (25)	2800	92 (68)	1600			
				18.9 (25)	2200	87 (64)	1800			
				18.9 (25)	2800	98 (72)	1400			
	403J-17T		T	17.7 (24)	2200	100 (74)	1600			
				18.2 (24)	2200	103 (76)	1600			
				18.4 (25)	2200	90 (66)	1800			
				18.4 (25)	2800	94 (69)	1700			
				18.9 (25)	2800	92 (68)	1800			
	Perkins Syncro 1.7			36 (48)	2800	166 (122)	1600			
2.2	Perkins Syncro 2.2	4	T	45 (60)	2800	222 (164)	1600	DOC+DPF	C	Y
			TA	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			
			TA	55 (74)	2200-2400	380 (280)	1380			

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		D	
				100 (134)	2000-2200	550 (406)	1500			
4.4	1204J-E44TA	4	TA	82 (110)	2000-2200	560 (413)	1400	DOC+DPF +SCR	C	Y
				91 (122)	2000-2200	560 (413)	1400			
				98 (131)	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			
				117 (157)	2000-2200	750 (553)	1400			
				129 (173)	2000-2200	750 (553)	1400			
				140 (188)	2000-2200	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	870 (642)	1400			
	1206J-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)	2200	1257 (927)	1400			
				225 (302)	2200	1282 (946)	1400			
239 (320)	1800	1268 (935)	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	

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	2206J-E13TA	6	TA	287 (385)	1800-2100	1760 (1298)	1400	DOC+DPF+SCR	A	Y
				310 (416)	1800-2100	1903 (1404)	1400		B	
				328 (440)	1800-2100	2012 (1484)	1400		C	
				354 (475)	1800-2100	2176 (1605)	1400		D	
	2406J-E13TA			388 (520)	1800-2100	2381 (1756)	1400		A	
				340 (456)	1800-2100	2082 (1536)	1400		B	
				370 (496)	1800-2100	2266 (1671)	1400		C	
				400 (536)	1800-2100	2450 (1807)	1400		D	
				430 (577)	1800-2100	2634 (1943)	1400			
15.2	2506J-E15TA	6	TA	354 (475)	1800-2100	2174 (1604)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1604)	1400		B	
				403 (540)	1800-2100	2469 (1821)	1400		C	
				433 (581)	1800-2100	2655 (1958)	1400		D	
18.1	2806J-E18TA	6	TA	429 (575)	1800-2000	2695 (1988)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2813 (2075)	1300		B	
				470 (630)	1800-2000	2953 (2178)	1300		C	
	2806J-E18TTA		TTA	563 (755)	1800	3501 (2582)	1300	DOC		
				597 (801)	1800	3710 (2736)	1300		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
0.51	402J-05	2	NA	8.8 (11.8)	3000	30 (22)	2000	-	C	
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)	2000	-	C	
				16.1 (22)	2400	67 (49)	2000			
				18.4 (25)	2800	67 (49)	2000			
	403J-11T		T	18.4 (25)	2400-2800	86 (63)	1600			
1.5	403F-15	3	NA	18.4 (25)	2100	86 (63)	1800	-	C	
1.7	403J-17	3	NA	18.4 (25)	2200	85 (63)	1800	-	C	
				18.4 (25)	2800	92 (68)	1600			
	403J-17T		T	17.7 (24)	2200	100 (74)	1600			
				18.4 (25)	2200	90 (66)	1800			
				18.4 (25)	2800	94 (69)	1700			
	Perkins Syncro 1.7			30 (40)	2800	125 (92)	1800	DOC	Y	
				36 (48)	2800	166 (122)	1600	DOC+DPF		

**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
2.2	Perkins Syncro 2.2	4	T	36 (48)	2800	165 (122)	1800	DOC	C	Y
				45 (60)	2800	222 (164)	1600	DOC+DPF		
			TA	50 (67)	2800	208 (153)	1800	DOC		
				55 (74)	2800	270 (199)	1600	DOC+DPF		
2.8	Perkins Syncro 2.8	4	T	50 (67)	2200-2400	265 (195)	1600	DOC	C	
				50 (67)	2200-2400	265 (195)	1600	DOC+DPF		
				55 (74)	2200-2400	265 (195)	1600	DOC		
				55 (74)	2200-2400	265 (195)	1600	DOC+DPF		
				55 (74)	2200-2400	300 (221)	1600	DOC		
				55 (74)	2200-2400	300 (221)	1600	DOC+DPF		
			TA	55 (74)	2200-2400	380 (280)	1380			
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	1204F-E44TA	4	TA	74 (99)	2200	450 (332)	1400	DOC+SCR	C	Y
				86 (115)	2200	500 (369)	1400		B	
				93 (125)	2200	530 (391)	1400		C	
				102 (137)	2200	560 (413)	1400			
				110 (148)	2200	560 (413)	1400			
	1204F-E44TTA		TTA	105 (141)	2200	630 (465)	1400	DOC+SCR or DOC+DPF +SCR	B	
				112 (150)	2200	650 (479)	1400			
				117 (157)	2200	683 (504)	1400			
				129 (173)	2200	750 (553)	1400			
	1204J-E44TA		TA	82 (110)	2000-2200	560 (413)	1400	DOC+DPF +SCR	C	
				91 (122)	2000-2200	560 (413)	1400			
				98 (131)	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			
				117 (157)	2000-2200	750 (553)	1400			
				129 (173)	2000-2200	750 (553)	1400			
140 (188)		2000-2200		825 (609)	1400					
150 (201)		2200		825 (609)	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	
7	1206F-E70TA	6	TA	116 (156)	2200	755 (557)	1400	DOC+DPF +SCR	B	Y	
				129 (173)	2200	842 (621)	1400		C		
				151 (202)	2200	870 (642)	1400				
	1206F-E70TTA		TTA	151 (202)	2200	922 (680)	1400		B		
				168 (225)	2200	1028 (758)	1400				
				186 (249)	2200	1142 (842)	1400				
				205 (275)	2200	1257 (927)	1400				
	1206J-E70TA		TA	129 (173)	1800-2200	842 (621)	1400	DOC+DPF +SCR	C		
				151 (202)	1800-2200	870 (642)	1400				
	1206J-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)	2200	1257 (927)	1400				
				225 (302)	2200	1282 (946)	1400				
239 (320)		1800		1268 (935)	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			

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	2206J-E13TA	6	TA	287 (385)	1800-2100	1760 (1298)	1400	DOC+DPF +SCR	A	Y
				310 (416)	1800-2100	1903 (1404)	1400		B	
				328 (440)	1800-2100	2012 (1484)	1400		C	
				354 (475)	1800-2100	2176 (1605)	1400		D	
				388 (520)	1800-2100	2381 (1756)	1400		A	
	2406J-E13TA			340 (456)	1800-2100	2082 (1536)	1400		B	
				370 (496)	1800-2100	2266 (1671)	1400		C	
				400 (536)	1800-2100	2450 (1807)	1400		D	
				430 (577)	1800-2100	2634 (1943)	1400			
15.2	2506J-E15TA	6	TA	354 (475)	1800-2100	2174 (1604)	1400	DOC+DPF +SCR	A	Y
				354 (475)	1800-2100	2174 (1604)	1400		B	
				403 (540)	1800-2100	2469 (1821)	1400		C	
				433 (581)	1800-2100	2655 (1958)	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
18.1	2806J-E18TA	6	TA	429 (575)	1800-2000	2695 (1988)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2813 (2075)	1300		B	
				470 (630)	1800-2000	2953 (2178)	1300		C	
	2806J-E18TTA		TTA	563 (755)	1800	3501 (2582)	1300	DOC	D	
				597 (801)	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
0.76	403EA-07	3	NA	12.2 (16.4)	2800	46 (34)	2400	-	C	
				13.3 (17.8)	3600	44 (32)	2400			
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	55 (74)	2000-2200	313 (231)	1500	DOC+DPF	C	
				74 (99)	2000-2200	430 (317)	1500			
				82 (110)	2000-2200	450 (332)	1500			

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
4.4	1204EA-E44TA	4	TA	110 (148)	2000	560 (413)	1400	DOC+DPF	C	
	1204EA-E44TTA		TTA	112 (150)	2000	650 (479)	1400			
				117 (157)	2000	730 (538)	1400			
				129 (173)	2000	750 (553)	1400			
7	1206EA-E70TA	6	TA	130 (174)	1800-2200	842 (621)	1400	DOC+DPF +SCR	C	
	1206EA-E70TTA		TTA	151 (202)	1800-2200	870 (642)	1400			
				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			
9.3	1706EA-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	

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	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	
15.2	2506EA-E15TA	6	TA	354 (475)	1800-2100	2174 (1604)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1604)	1400		B	
				403 (540)	1800-2100	2469 (1821)	1400		C	
				433 (581)	1800-2100	2655 (1958)	1400		D	
18.1	2806EA-E18TA	6	TA	429 (575)	1800-2000	2695 (1988)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2813 (2075)	1300		B	
				470 (630)	1800-2000	2953 (2178)	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	
				8.8 (11.8)	3000	30 (22)	2100			
				10.2 (13.7)	3600	30 (22)	2000			
0.76	403D-07	3	NA	13.2 (17.7)	3000	45 (33)	2200	-	C	
				15.3 (21)	3600	45 (33)	2200			
1.1	403D-11	3	NA	14.7 (19.7)	2200	67 (49)	1900	-	C	Y
				16.1 (22)	2200	67 (49)	2000			
				17.2 (23)	2600	68 (50)	1800			
				18.5 (25)	2800	68 (50)	1800			
				21 (28)	3400	70 (52)	2300			

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
1.5	403D-15	3	NA	21 (28)	2200	96 (71)	1800	-	C	Y
				22 (30)	2400	96 (71)	1800			
				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			
1.7	403D-17	3	NA	24 (32)	2400	105 (77)	1800	-	C	
				26 (35)	2600	106 (78)	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
2.2	404D-22	4	NA	31 (42)	2200	143 (105)	1800	-	C	Y
				34 (46)	2400	143 (105)	1800			
				36 (48)	2600	143 (105)	1800			
				37 (50)	2800	143 (105)	1800			
				38 (51)	3000	143 (105)	1800			
	404D-22T		T	32 (43)	2800	163 (120)	1800			
				36 (48)	2800	154 (114)	1800			
				43 (58)	2600	189 (139)	1800			
				45 (60)	2800	189 (139)	1800			
				46 (62)	3000	189 (139)	1800			
	404D-22TA		TA	40 (54)	2800	170 (125)	1800			
				46 (62)	2800	195 (144)	1800			
49 (66)		2800		208 (153)	1800					
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			

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
3.3	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			Y
	1104C-44T		T	75 (101)	2300	408 (301)	1400			
	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			
				82 (110)	2200	486 (358)	1400			
				87 (117)	2200	516 (381)	1400			
				97 (130)	2200	516 (381)	1400			
				106 (142)	2200	558 (412)	1400			
1204D-E44TTA	TTA	112 (150)	2000-2200	750 (553)	1400					
		140 (188)	2000-2200	825 (609)	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			
				159 (213)	2200	932 (687)	1400			
				168 (225)	2200	1028 (758)	1400			
			186 (249)	2200	1050 (774)	1400				
	1206D-E70TTA		TTA	205 (275)	2200	1050 (774)	1400			
				151 (202)	1800-2200	983 (725)	1400			
225 (302)		1800-2200	1282 (946)	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
9.3	1706D-E93TA	6	TA	230 (308)	2200	1416 (1044)	1400	-	A	Y
				250 (335)	2200	1532 (1130)	1400		B	
				280 (375)	2200	1715 (1265)	1400		C	
				310 (416)	2200	1810 (1335)	1400			
12.5	2206D-E13TA	6	TA	287 (385)	1800-2100	1760 (1298)	1400	-	A	Y
				310 (416)	1800-2100	1896 (1398)	1400		B	
				328 (440)	1800-2100	2011 (1483)	1400		C	
				354 (475)	1800-2100	2095 (1545)	1400		D	
				388 (520)	1800-2100	2215 (1634)	1400		E	
15.2	2506D-E15TA	6	TA	354 (475)	1800-2100	2169 (1600)	1400	-	B	Y
				403 (540)	1800-2100	2468 (1820)	1400		C	
				433 (581)	1800-2100	2649 (1954)	1400		D	
				444 (595)	1800-2100	2717 (2004)	1400		E	

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
18.1	2806C-E18TTA	6	TTA	571 (766)	1800-2100	3495 (2578)	1400	-	D	
				597 (801)	1800-2100	3655 (2696)	1400		E	
	2806D-E18TA		TA	429 (575)	1800-2100	2627 (1938)	1400		A	Y
				448 (601)	1800-2100	2742 (2022)	1400		B	
				470 (630)	1800-2100	2769 (2042)	1400		C	
	2806D-E18TTA		TTA	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)	87 (192)
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)	564 (22.2)	453 (17.8)	654 (25.7)	160 (353)
Perkins Syncro 1.7	84 (3.3)	100 (3.9)	719 (28.3)	535 (21.1)	565 (22.2)	190 (419)
404D-22T	84 (3.3)	100 (3.9)	662 (26.1)	489 (19.3)	698 (27.5)	194 (428)
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)

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)
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)
1206J-E70TTA	105 (4.1)	135 (5.3)	1064 (41.9)	820 (32.3)	907 (35.7)	733 (1616)
1706J-E93TA	115 (4.5)	149 (5.9)	1125 (44.3)	791 (31.1)	1068 (42)	865 (1907)
2406J-E13TA	130 (5.1)	157 (6.2)	1274 (50.2)	994 (39.1)	1134 (44.6)	1125 (2481)
2506J-E15TA	137 (5.4)	171 (6.7)	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)

Perkins Sales

Americas

North America

1600 W Kingsbury St

Seguin

Texas 78155

United States

Toll free number: 1-888-PERK-ENG

South America

Rua Dr. Chucri Zaidan, 1240

Golden Tower – 17th Floor

São Paulo – SP CEP 04711-130

Brazil

Tel: +55 11 2109 2038

Europe, Middle East and Africa

Peterborough

PE1 5FQ

United Kingdom

Tel: +44 1733 583000

Asia

China

20/F Lei Shing International Plaza

1319 West Yan'an Road

Shanghai 200050

China

Tel: +86 21 22160774

Fax: +86 21 52136624

India

Floor 6, Tower 'B' Prestige Shantiniketan

The Business Precinct, Whitefield Main Road

Bangalore 560048

India

Email: IPSD_India@perkins.com

Korea

11F, Songchon Building, 503

Nonhyeon-ro, Gangnam-gu

Seoul 06132

Korea

Tel: +82 10 8669 8358

Singapore

14 Tractor Road

Singapore 627973

Tel: +65 6828 7469

Fax: +65 6828 7414

Japan

Ocean Gate Minato Mirai 12F

3-7-1 Minatomirai, Nishi-ku, Yokohama city

Kanagawa, 220-0012

Japan

Tel: +81 45 682 3579

Fax: +81 45 682 3690

Asahi Seimei Matsumoto Fukashi building 3F

1-1-15 Fukashi, Matsumoto city

Nagano, 390-0815

Japan

Tel: +81 263 87 2003

Fax: +81 263 39 1682

www.perkins.com



THE HEART OF EVERY GREAT MACHINE

Copyright © 2020 Perkins Engines Company Limited, all rights reserved. No part of this document may be reproduced in any form or by any means, without prior written permission of Perkins Engines Company Limited. The information in this document is substantially correct at the time of printing and may be altered subsequently.
Publication No. PN3210/01/20



Perkins Engines

Subscribe, Like, and Share