



The heart of every great machine

**PERKINS POWERED
PRODUCT CATALOGUE
2011**

 **Perkins®**
Powering the future

Diesel Parts & Service

www.dieselparts.com.au

ENGINE SELECTION ADVISE

You must consider the following when selecting an **engine**:

Application:

Hp or kW required

Speed

Direct coupled or v-belt

Ambient conditions

Site conditions

Duty – continuous or intermittent

Other factors

e.g. water pump

e.g. 20 hp

e.g. 2500 rpm

e.g. direct coupled by flexible coupling

e.g. up to 40c , 30% humidity

e.g. under cover on farm site

e.g. continuous 2500 hrs per year

e.g. Side loads, vibration, electrics, maintenance and service plan, noise levels, shock loads, exhaust emissions etc.

Standard conditions:

20°C ambient temperature, 30% relative humidity at 100 mtrs altitude.

Gross intermittent rating:

1 hr rating based on engine without cooling fan, air cleaner, muffler, but with alternator idling.

Net intermittent rating:

1 hr rating based on engine with standard cooling fan, air cleaner, muffler and alternator, fitted to engine

Net continuous rating:

Continuous output based on engine with standard cooling fan, air cleaner, Muffler and alternator fitted.

De-rating:

Refer to DPS. Allowance for changes to standard conditions being ambient temperature, relative humidity and altitude.

Transmission Factors:

Allowance for power losses in the transmission system e.g. Belt and pulley losses, flexible coupling losses, gearbox transmission losses etc.

If you require help in selection or want your engine selection checked, please ask.

For information on engine installation, selection and general specifications and dimensions by model, engine performance curves including fuel usage details, engine operating systems, check lists etc, please contact us at Diesel Parts and Service.

Typical Applications

- Pumping and Irrigation
- Generators
- Light Towers
- Refrigeration Units
- Excavators
- Wheel End Loaders
- Marine Propulsion



- Hydraulic Power Pak Drives
- Welders
- Access Platforms
- Tractors
- Skid Steer Loaders
- Mining Vehicles
- Marine Generator Sets



TERMS

Prices are ex our works Brisbane. Diesel Parts and Service Pty Ltd (A.C.N 009 818 848) reserves the right to change specifications, pricing or availability without prior notice, or incurring liability of any kind. Listed prices are offered as a guide only, and technical details must be confirmed where safety and performance are critical. Prices and specifications are subject to change without notice and sales are subject to our "conditions of sales" available on request. E.&O.E.

ENGINE SPECIFICATIONS

Model	Type	Dis Ltrs	Bore Stroke mm	Max. Power	Max Torque Nm	Emission Compliance	Weight Dry
402D-05	2 NA	0.5	67 x 72	13.7 hp at 3600 rpm	31 at 2600	Tier 3 & Tier 4B	57 kg
403D-07	3 NA	0.7	67 x 72	20.5 hp at 3600 rpm	50 at 2400	Tier 3 & Tier 4B	72 kg
403D-11	3 NA	1.1	77 x 81	26.0 hp at 3000 rpm	67 at 2300	Tier 3 & Tier 4A & B	87 kg
403D-15	3 NA	1.5	84 x 90	34.0 hp at 3000 rpm	96 at 1800	Tier 3 & Tier 4A & B	140 kg
403D-15T	3 T	1.5	84 x 90	40.0 hp at 3000 rpm	112 at 1800	Tier 3 & Tier 4A	156 kg
403D-17	3 NA	1.5	77 x 81	35.0 hp at 2600 rpm	105 at 1800	Tier 3 & Tier 4A	153 kg
404D-22	4 NA	2.2	84 x 100	51.0 hp at 3000 rpm	143 at 1800	Tier 3 & Tier 4 interim	184 kg
404D-22T	4 T	2.2	84 x 100	60.0 hp at 2800 rpm	190 at 1800	Tier 3 & Tier 4 interim	194 kg
404D-22TA	4 TA	2.2	84 x 100	66.0 hp at 2800 rpm	208 at 1800	Tier 3 & Tier 4 interim	194 kg
804D-33	4 NA	3.3	94 x 120	63.0 hp at 2600 rpm	200 at 1600	Tier 3	245 kg
804D-33T	4 TA	3.3	94 x 120	80.5 hp at 2600 rpm	253 at 1600	Tier 3	265 kg
854F-E34T	4 T	3.4	99 x 110	74.0 hp at 2500 rpm	310 at 1400	Tier 4 final	270 kg
854F-E34TA	4 TA	3.4	99 x 100	115.3 hp at 2500 rpm	420 at 1600	Tier 4 final	270 kg
1103-33	3 NA	3.3	105 x 127	57.5 hp at 2200 rpm	222 at 1400	Non emission & Tier 3A	264 kg
1103-33T	3 T	3.3	105 x 127	74.0 hp at 2200 rpm	291 at 1400	Non emission & Tier 3A	276 kg
1104-44	4 NA	4.4	105 x 127	86.0 hp at 2400 rpm	308 at 1200	Non emission & Tier 2 & Tier 3A	357 kg
1104-44T	4 T	4.4	105 x 127	100.0 hp at 2400 rpm	415 at 1350	Non emission & Tier 2 & Tier 3	372 kg
1104-44TA	4 TA	4.4	105 x 127	130.0 hp at 2200 rpm	500 at 1400	Non emission & Tier 2 & Tier 3	372 kg
1104D-44T	4T	4.4	105 x 127	93.8 hp at 2200 rpm	392 at 1400	Tier 3	306 kg
1104D-E44TA	4TA	4.4	105 x 127	142.0 hp at 2200 rpm	418 at 1400	Tier 3	306 kg
1006-6	6 NA	6.0	100 x 127	129.5 hp at 2600 rpm	431 at 1200	Non emission	410 kg
1006-6T	6 T	6.0	100 x 127	159.0 hp at 2600 rpm	577 at 1600	Non emission	419 kg
1006-6TW	6 TW	6.0	100 x 127	182.5 hp at 2600 rpm	605 at 1650	Non emission	419 kg
1106D-E66TA	6TA	6.6	105 x 127	225.0 hp at 2200 rpm	983 at 1400	Tier 4 interim	709 kg
1204E-E44TA	4 TA	4.4	105 x 127	173.5 hp at 2200 rpm	750 at 1400	Tier 4 interim MLIT step 4	450 kg
1204E-E44TTA	4 TTA	4.4	105 x 127	173.5 hp at 2200 rpm	750 at 1400	Tier 4 interim MLIT step 4	450 kg
1206E-E66TA	6 TA	6.6	105 x 127	173.5 hp at 2200 rpm	825 at 1400	Tier 4 interim MLIT step 4	695 kg
1206E-E70TTA	6 TTA	7.1	105 x 135	301.7 hp at 2200 rpm	1274 at 1400	Tier 4 interim MLIT step 4	715 kg
1306-E87T	6 T	8.7	116.6 x 135.9	225.0 hp at 2200 rpm	908 at 1600	Tier 1 & Tier 2	671 kg
1306-E87TA	6 TA	8.7	116.6 x 135.9	330.0 hp at 2000 rpm	1424 at 1300	Tier 1 & Tier 2	897 kg



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Continuous Rating Selection Chart (kW)

Model	1200	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
402C-05	-	-	3.3	3.5	4.2	4.8	5.5	5.9	6.5	6.9	7.4	7.6	7.9	8.0
403C-07	-	-	5.0	5.6	6.6	7.6	8.3	8.9	9.7	10.5	10.9	11.4	11.8	12.0
403D-11	-	-	8.3	9.0	10.1	11.3	12.1	12.7	13.5	14.2	14.9	-	-	-
403D-15	-	-	12.2	13.2	15.0	16.6	17.9	18.9	19.7	20.0	20.4	-	-	-
404D-22	-	-	18.3	19.8	22.5	24.8	27.0	28.5	29.8	30.8	31.3	-	-	-
404D-22T	-	-	24.3	26.0	29.3	31.4	32.8	33.8	34.4	34.8	-	-	-	-
404D-22TA	-	-	26.3	28.8	32.3	34.7	36.3	37.5	38.2	38.6	-	-	-	-
1104A-44	30.6	36.9	39.4	41.8	45.7	49.4	52.0	53.0	-	-	-	-	-	-
1104A-44T	41.8	49.9	52.9	55.9	61.0	64.5	66.7	67.4	-	-	-	-	-	-
1104C-44	32.7	38.2	40.7	43.1	46.3	48.9	51.2	52.6	-	-	-	-	-	-
1104C-44T	42.5	51.0	53.0	54.9	58.9	61.0	61.6	61.0	-	-	-	-	-	-
1104C-44TA	47.2	58.6	62.6	66.6	71.6	76.1	77.6	-	-	-	-	-	-	-
1104D-44T (60.0 kW)	36.0	42.6	44.8	46.8	48.7	48.8	47.4	-	-	-	-	-	-	-
1104D-44T (68.0 kW)	40.2	47.5	49.5	51.6	54.0	54.3	53.8	-	-	-	-	-	-	-
1104D-44TA (74.9 kW)	41.5	49.3	51.9	54.5	58.1	58.6	57.6	-	-	-	-	-	-	-
1104D-44TA (81.0 kW)	41.9	49.8	52.5	55.2	59.9	62.8	62.8	-	-	-	-	-	-	-
1104D-E44TA (94.5 kW)	52.6	61.5	64.5	67.5	71.3	73.4	74.3	-	-	-	-	-	-	-
1104D-E44TA (104.1 kW)	57.2	66.5	70.2	73.9	78.5	82.2	82.5	-	-	-	-	-	-	-
1006-6	-	-	59.2	64.4	69.5	74.8	79.0	80.0	-	-	-	-	-	-
1006-6T	-	-	72.5	82.0	85.1	90.9	95.5	99.0	-	-	-	-	-	-
1006-6TW	-	-	80.5	87.7	94.9	101.6	107.8	110.6	-	-	-	-	-	-
1106D-E66TA (129 kW)	64.3	82.1	87.5	92.9	100.3	102.8	101.7	-	-	-	-	-	-	-
1106D-E66TA (151 kW)	93.2	110.0	113.2	116.4	124.7	126.7	117.8	-	-	-	-	-	-	-
1106D-E87TA (168 kW)	101.0	118.8	126.2	133.6	134.7	139.5	131.8	-	-	-	-	-	-	-



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Continuous Rating Selection Chart (hp)

Model	1200	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
402C-05	-	-	4.4	4.7	5.6	6.4	7.4	7.9	8.7	9.2	9.9	10.2	10.6	10.7
403C-07	-	-	6.7	7.5	8.8	10.2	11.1	11.9	13.0	14.0	14.6	15.3	15.8	16.1
403D-11	-	-	11.1	12.1	13.5	15.1	16.2	17.0	18.1	19.0	20.0	-	-	-
403D-15	-	-	16.4	17.7	20.1	22.3	24.0	25.3	26.4	26.8	27.4	-	-	-
404D-22	-	-	24.5	26.5	30.2	33.2	36.2	38.2	39.9	41.3	41.9	-	-	-
404D-22T	-	-	26.7	34.8	39.3	42.1	43.7	45.3	46.1	46.6	-	-	-	-
404D-22TA	-	-	35.9	38.6	43.3	38.2	48.7	50.3	51.2	51.7	-	-	-	-
1104A-44	41.0	49.5	52.8	56.0	61.3	66.2	69.7	71.0	-	-	-	-	-	-
1104A-44T	56.0	66.9	70.9	75.0	81.8	86.5	89.4	90.4	-	-	-	-	-	-
1104C-44	49.2	51.2	54.6	57.8	62.1	65.6	68.6	70.5	-	-	-	-	-	-
1104C-44T	57.0	68.4	71.0	73.6	79.0	81.8	82.6	81.8	-	-	-	-	-	-
1104C-44TA	63.3	78.6	83.9	89.3	96.0	102.0	104.0	-	-	-	-	-	-	-
1104D-44T (60.0 kW)	48.3	57.4	60.0	62.8	65.3	65.4	63.6	-	-	-	-	-	-	-
1104D-44T (68.0 kW)	53.9	63.7	66.4	69.2	72.4	72.8	72.1	-	-	-	-	-	-	-
1104D-44TA (74.9 kW)	55.6	66.1	69.6	73.0	77.9	78.6	77.2	-	-	-	-	-	-	-
1104D-44TA (81.0 kW)	56.2	66.8	70.4	74.0	80.3	84.2	84.2	-	-	-	-	-	-	-
1104D-E44TA (94.5 kW)	70.5	82.5	86.5	90.5	95.6	98.4	99.6	-	-	-	-	-	-	-
1104D-E44TA (104.1 kW)	76.7	89.2	94.1	99.1	105.3	110.2	90.7	-	-	-	-	-	-	-
1006-6	-	-	79.8	86.4	93.2	100.3	105.9	107.3	-	-	-	-	-	-
1006-6T	-	-	97.2	110.0	114.1	121.9	128.1	132.7	-	-	-	-	-	-
1006-6TW	-	-	107.9	117.6	127.3	136.2	144.6	148.3	-	-	-	-	-	-
1106D-E66TA (129 kW)	86.2	110.0	117.3	124.6	134.5	137.8	136.4	-	-	-	-	-	-	-
1106D-E66TA (151 kW)	125.0	147.5	151.8	156.1	167.2	169.9	158.0	-	-	-	-	-	-	-
1106D-E87TA (168 kW)	135.4	159.3	169.2	179.1	180.6	187.0	176.7	-	-	-	-	-	-	-



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IOPU Power Pack Units

Perkins IOPU Units – engine power unit with radiator assembly, engine fan, aircleaner, 12V electrics, front and rear support mounts, fuel and oil filters, shutdown solenoid, oil and coolant (initial fill), bell housing and flywheel and user handbook.

Options:  Perkins®

- Shutdown Panel
- Exhaust Muffler



Model	Build	Cyl	Engine Rating kW	Bell Housing & Flywheel	STD Voltage	Emission Compliant	Governing
403D-11	GJ65678U	3	19.5 kW at 3000 rpm	SAE 5 x 6.5	12 V	Tier 3	mechanical
403D-15	GK65797U	3	25.1 kW at 3000 rpm	SAE 5 x 6.5	12 V	Tier 3	mechanical
404D-22	GN65796U	4	38.0 kW at 3000 rpm	SAE 4 x 7.5	12 V	Tier 3	mechanical
404D-22T	GP65798U	4T	44.7 kW at 2800 rpm	SAE 4 x 7.5	12 V	Tier 3	mechanical
404D-22TA	GR65810	4TA	49.2 kW at 2800 rpm	SAE 4 x 7.5	12 V	Tier 3	mechanical
804D-33	UK35220	4	47.0 kW at 2600 rpm	SAE 4 x 10	12 V	Tier 3	mechanical
804D-33T	UL35236	4T	60.0 kW at 2600 rpm	SAE 4 x 10	12 V	Tier 3	mechanical
1104A-44	RR51292	4	64.5 kW at 2400 rpm	SAE 3 x 10/11.5	12 V	Non	mechanical
1104A-44T	RS51293	4T	80.0 kW at 2400 rpm	SAE 3 x 10/11.5	12 V	Non	mechanical
1104C-44	RE51210	4	62.0 kW at 2400 rpm	SAE 3 x 10/11.5	12 V	Tier 2	mechanical
1104C-44T	RG51207	4T	72.5 kW at 2200 rpm	SAE 3 x 10/11.5	12 V	Tier 2	mechanical
1104C-44TA	RJ51163	4TA	95.0 kW at 2200 rpm	SAE 3 x 10/11.5	12 V	Tier 2	mechanical
1006-6	YA51063	6	99.0 kW at 2600 rpm	SAE 3 x 10/11.5	12 V	Non	mechanical
1006-6T	YB51072	6T	119.0 kW at 2600 rpm	SAE 3 x 10/11.5	12 V	Non	mechanical
1006-6TW	YD51083	6TW	140.0 kW at 2600 rpm	SAE 3 x 10/11.5	12 V	Non	mechanical
1106D-E66TA	PJ38433	6TA	149.2 kW at 2200 rpm	SAE 2 x 11.5	12 V	Tier 3	electronic
1106D-E66TA	PJ38429	6TA	168.0 kW at 2200 rpm	SAE 2 x 11.5	12 V	Tier 3	electronic
1306-E87T	WR4425	6T	168.0 kW at 2200 rpm	SAE 2 x 11.5	12 V	Tier 2	electronic
1306-E87TA	WS4430	6TA	223.5 kW at 2200rpm	SAE 2 x 11.5	12 V	Tier 2	electronic

Power Solutions



designed to perform ...



designed to perform ...



High performance, productive power
Diesel Parts & Service

Electropack Units (Generator scope)

Perkins Electropack Units – engine power unit with radiator assembly, engine fan, aircleaner, 12V electrics, front and rear support mounts, fuel and oil filters, shutdown solenoid, bell housing and flywheel and user handbook.

Model	Build	Cyl	Engine Rating kW	Bell Housing & Flywheel	Generator Set Typical Output	
					Prime kVa	Stand by kVa
403D-11	GJ65701U	3	8.5 kW at 1500 rpm	SAE 5 x 6.5	9.1	9.9
403D-15	GK65597U	3	12.0 kW at 1500 rpm	SAE 4 x 7.5	13.0	14.3
404D-22	GN65732U	4	18.5 kW at 1500 rpm	SAE 4 x 7.5	20.3	22.3
1103A-33G1	DJ51279	3	27.7 kW at 1500 rpm	SAE 3 x 11.5	30.0	33.0
1103A-33TG1	DK51278	3	41.3 kW at 1500 rpm	SAE 3 x 11.5	45.0	49.6
1103A-33TG2	DK51280	3	53.8 kW at 1500 rpm	SAE 3 x 11.5	60.0	66.0
1103C-33G2	DC51240	3	27.0 kW at 1500 rpm	SAE 3 x 11.5	30.0	33.0
1104A-44TG1	RS51276	4	58.4 kW at 1500 rpm	SAE 3 x 11.5	65.0	71.5
1104A-44TG2	RS51277	4	71.9 kW at 1500 rpm	SAE 3 x 11.5	80.0	88.0
1104C-44G1	RE51212	4	38.0 kW at 1500 rpm	SAE 3 x 11.5	40.0	44.0
1104C-44TAG2	RJ51175	4	89.0 kW at 1500 rpm	SAE 3 x 11.5	101.4	111.9
1006-6TG2A	YB37574	6	91.0 kW at 1500 rpm	SAE 3 x 11.5	102.5	112.5
1006-6TAG	YD37746	6	121.0 kW at 1500 rpm	SAE 3 x 11.5	136.0	150.0
1006-6TAG2	YD51332	6	135.0 kW at 1500 rpm	SAE 3 x 11.5	150.0	165.0
1106D-E66TAG2	PJ38420	6	140.0 kW at 1500 rpm	SAE 2 x 11.5	135.0	148.5
1106D-E66TAG3	PJ38418	6	150.0 kW at 1500 rpm	SAE 2 x 11.5	150.0	165.0
1106D-E66TAG4	PJ38421	6	175.0 kW at 1500 rpm	SAE 2 x 11.5	180.0	198.0



Perkins Engine and Leroy Somer Alternator Allight Lighting Tower Package

Perkins 400 Series water cooled diesel engine supplied in an Electra Pack Configuration and including the following:

- 1 X Electra Pack Engine
- 1 X Leroy Somer Alternator
- 1 X Horizontal Muffler Assembly
- 1 X Base Frame
- 1 X Anti Vibration Mount Set
- 1 X Control Panel and Loom
- 1 X Engine and Alternator Tested
- 1 X Two Stage Air Cleaner Assembly



Engine Model	kVa	RPM
403D-11	8	1500
403D-15	13	1500
404D-22	20	1500



Fan to Flywheel – Float and Special Build Units

Perkins Fan to Flywheel Units – engine power unit, engine fan, 12V electrics, fuel and oil filters, shutdown solenoid, bell housing and flywheel and user handbook.

Perkin Float Units – please consult DPS for scope of supply

Model	Build	Cyl	Engine Rating kW	Type	Application Special Builds	Emission Compliant
402D-05	GG65624J	2	10.2 at 3600 rpm	F/Fly		Tier 3
403D-07	GH65765J	3	15.3 at 3600 rpm	F/Fly		Tier 3
404D-22	GN65850U	4	38.0 at 3000 rpm	F/Fly	ASV Positrack	Tier 3
404D-22T	GP65849U	4T	44.7 at 2800 rpm	F/Fly	ASV Positrack	Tier 3
404D-22T	GP65798U	4T	44.7 at 2800 rpm	F/Fly		Tier 2
804D-33	UK35220	4	47.0 at 2600 rpm	F/Fly		Tier 3
804D-33T	UL35236	4T	60.0 at 2600 rpm	F/Fly		Tier 3
804D-33T	UL35226	4T	55.0 at 2600 rpm	F/Fly	ASV – SR70	Tier 3
804D-33T	UL35234	4T	62.0 at 2600 rpm	F/Fly	ASV – SR80	Tier 3
1103C-33	DC38027	3	39.5 at 2200 rpm	Float	MF451	Tier 2
1104A-44	RR51287	4	63.0 at 2400 rpm	F/Fly	Allight	Non
1104A-44	RR81523	4	55.5 at 2200 rpm	Float	Landini stressed	Non
1104A-44T	RS51285	4T	80.0 at 2400 rpm	F/Fly	Allight	Non
1104C-44	RE28200	4	62.0 at 2400 rpm	F/Fly	Premium casing	Tier 2
1104C-44	RE38102	4	55.0 at 2200 rpm	Float	Landini stressed	Tier 2
1104C-44	RE81372	4	61.5 at 2200 rpm	Float	Manitou stressed	Tier 2
1104C-44	RE38303	4	63.0 at 2300 rpm	Float	ASV Positrack	Tier 2
1104C-44T	RG81374	4T	74.5 at 2200 rpm	Float	Manitou stressed	Tier 2
1104C-44T	RG38118	4T	74.0 at 2200 rpm	Float	McCormick stressed	Tier 2
1104C-44T	RG38079	4T	74.5 at 2200 rpm	Float	JCB stressed	Tier 2
1104C-44T	RG38304	4T	74.5 at 2300 rpm	Float	ASV Positrack	Tier 2
1104C-44T	RG81400	4T	74.5 at 2300 rpm	Float	Terex Telehandler	Tier 2
1104C-44TA	RJ81376	4TA	90.5 at 2200 rpm	Float	Manitou stressed	Tier 2
1104C-44TA	RJ51137	4TA	91.0 at 2200 rpm	Float	JCB stressed	Tier 2
1104C-44TA	RJ51138	4TA	91.0 at 2200 rpm	Float	JCB stressed	Tier 2
1104C-44TA	RJ38333	4TA	86.0 at 2500 rpm	Float	Static Eng	Tier 2
1006-6	YA51062	6	99.0 at 2600 rpm	F/Fly	Allight	Non
1006-6	YA70337	6	93.0 at 2600 rpm	Float	Hyster	Non
1006-6T	YB51071	6T	119.0 at 2600 rpm	F/Fly	Allight	Non
1006-6TW	YD51082	6TW	140.0 at 2600 rpm	F/Fly	Allight	Non

Re-power Solutions



Perkins Engine Accessories



Speed controls

Fine speed adjustable throttle rod control assembly

Micro adjustable throttle cable control assembly

Stop cable assembly fitted for emergency stop

Electrics- standard engine panels (other options available on request)

PKS basic key start panel

POTTV (WP) shutdown panel oil pressure, engine temperature switch gauges, tach-hour meter + volt meter gauges (WP)

POTTVCP (WP) shutdown = POTTV + time clock, Murphy pump pressure shutdown gauge (weather proof case)

PTO Stubshafts

SAE 6 1/2 Power take off stub shaft 1 5/8" parallel keyed shaft

SAE 7 1/2 Power take off stub shaft 1 5/8" parallel keyed shaft

SAE 10 Power take off stub shaft 2" parallel keyed shaft

SAE 11 1/2 Power take off stub shaft 2" parallel keyed shaft

Over Centre PTO Clutch Shaft (full side load, manually engaged / disengaged)

PTO Clutch SAE 5 x 6 1/2 1 7/16" parallel keyed shaft

PTO Clutch SAE 4 x 7 1/2 1 7/16" parallel keyed shaft

PTO Clutch SAE 3 x 10 2 1/4" parallel keyed shaft

PTO Clutch SAE 3 x 11 1/2 2 1/4" parallel keyed shaft

PTO Clutch SAE 3 x 11 1/2 2 1/2" parallel keyed shaft

PTO Clutch SAE 2 x 11 1/2 3 1/2" parallel keyed shaft

Hydraulic Pump Adaptors

SAE 5 x 6 1/2 Hydraulic pump adaptor plate and flexilock coupling drive plate kit A, B, Din2

SAE 4 x 7 1/2 Hydraulic pump adaptor plate and flexilock coupling drive plate kit A, B, Din2

SAE 3 x 10 Hydraulic pump adaptor plate and flexilock coupling drive plate kit B, C

SAE 3 x 11 1/2 Hydraulic pump adaptor plate and flexilock coupling drive plate kit B, C

SAE 2 x 11 1/2 Hydraulic pump adaptor plate and flexilock coupling drive plate kit C, D

Other options available on request:



Stubshafts

PTO
Clutches

Hydraulic Pump
Adaptors

Shutdown
Panels

Speed
Controls

Perkins Pump Set Accessories

- 4.5kg and 9kg fire extinguishers
- Lockable battery isolation switch
- Emergency stop button
- Night service lights
- Rotating beacon
- Solar panel
- Hoses and fittings
- Roof Cover
- Bottom delivery
- Fuel tank options



Optional pump set equipment

Geminiani Silent Pack

GEMINIANI
TECHNOLOGY

*The Power Solution is Power Pack
for industrial and agricultural*



The Geminiani Power Pack is an innovative product designed for applications that need:
A silent solution - A clean solution - A complete solution – ready to start

Silent Power Pack Units

Model	Engine	Engine Rating kW	Bell Housing & Flywheel	Weight	Size mm L x W x H
411PP-VS	403D-11	19.7 at 3000 rpm	SAE 5 x 6.5	245 kg	750 x 526 x 695
415PP-VS	403D-15	26.5 at 3000 rpm	SAE 4 x 7.5	245 kg	750 x 526 x 695
422P-VS	404D-22	38.0 at 3000 rpm	SAE 4 x 7.5	320 kg	1050 x 560 x 780
422PT-VS	404D-22T	44.7 at 2800 rpm	SAE 4 x 7.5	330 kg	1050 x 560 x 780
1144PP-VS	1104C-44	64.0 at 2200 rpm	SAE 3 x 11.5	450 kg	1346 x 680 x 969
1144PT-VS	1104C-44T	74.5 at 2200 rpm	SAE 3 x 11.5	450 kg	1346 x 680 x 969
1144PTA-VS	1104C-44TA	83.0 at 2200 rpm	SAE 3 x 11.5	460 kg	1346 x 680 x 969
1144EPTA-VS	1104D-E44TA	106.0 at 2200 rpm	SAE 3 x 11.5	460 kg	1346 x 680 x 969
1166EPTA1-VS	1106D-E66TA	129.0 at 2200 rpm	SAE 3 x 11.5	755 kg	1546 x 690 x 969
1166EPTA3-VS	1106D-E66TA	168.0 at 2200 rpm	SAE 3 x 11.5	755 kg	1546 x 690 x 969

Silent Electropack

Model	Engine	Engine Rating kW	Engine Rating kVa	Weight	Size mm L x W x H
411EP	403D-11	8.5 at 1500 rpm	9.5 at 1500 rpm	245 kg	750 x 526 x 695
411EP	403D-11	17.9 at 3000 rpm	19.7 at 3000 rpm	245 kg	750 x 526 x 695
415EP	403D-15	12.0 at 1500 rpm	13.3 at 1500 rpm	245 kg	750 x 526 x 695
422EP	404D-22	18.5 at 1500 rpm	20.0 at 1500 rpm	320 kg	1050 x 560 x 780
422EP	404D-22	31.2 at 3000 rpm	34.4 at 3000 rpm	320 kg	1050 x 560 x 780

rpm	Noise Level dBa
3000	74.4
2800	72.5
2600	69
2200	64
1800	58
1500	57
1000	55



Perkins Sabre Marine Propulsion and Auxiliary Engines



HEAT EXCHANGER OR KEEL COOLED

<u>Leisure Engines</u> 86 hp to 225 hp (64 kW to 166 kW)	Perkins Sabre Leisure engines are highly suitable for a wide range of new or repower leisure craft including sailboats, offshore cruisers, high speed performance craft, yachts and river cruisers.
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<u>Commercial Engines</u> 86 hp to 300 hp (64 kW to 224 kW)	Perkins Sabre Commercial engines are designed to provide rugged reliability and low cost of ownership, factors especially important to the commercial operator.
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<u>Auxiliary Engines</u> 18.1 hp to 185 hp 13.5 kWm to 161 kWm	Perkins Sabre Auxiliary engines are constant speed engines ideally suited for use in onboard gensets or to drive hydraulic powerpacks or water pumps.
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Pleasure Applications: Propulsion

Engine Model	Type	Maximum Power
M92B	4.4 ltr NA	86hp (64kW) at 2400 rpm
M135	6.0 ltr T	135hp (99kW) at 2600 rpm
M225TI	6.0 ltr TW	225hp (166kW) at 2500 rpm



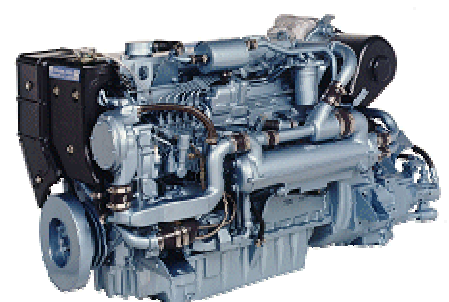
Commercial Applications: Propulsion

Engine Model	Type	Maximum Power
M92B	4.4 ltr NA	86hp (64kW) at 2400 rpm
M130C	6.0 ltr TW	130hp (96kW) at 2600 rpm
M185C	6.0 ltr TW	190hp (140kW) at 2100 rpm
M215C	6.0 ltr TW	215hp (158kW) at 2500 rpm
M250C	6.6 ltr TA	250hp (186kW) at 2400 rpm
M300C	6.6 ltr TA	300hp (224kW) at 2400 rpm

Marine Auxiliary Power 50Hz 1500 rpm

Engine Model	Type	Engine Power Prime	Engine Power Stand-by	Prime Power kVa	Stand-by Power kVa
415-GM	1.5 ltr NA	16.5 hp	18.1 hp	13.8	15.2
422-GM	2.2 ltr NA	24.7 hp	27.1 hp	20.7	22.8
4.4-GM	4.4 ltr NA	57.3 hp	63.0 hp	48.0	52.9
4.4T-GM	4.4 ltr T	75.6 hp	83.1 hp	63.5	69.8
6TG2-AM	6.0 ltr T	124.0 hp	136.0 hp	104.0	114.0
4.4TW2-GM	4.4 ltr TW	125.5 hp	138.0 hp	105.3	115.9
6TW-GM	6.0 ltr TW	168.2 hp	184.9 hp	195.7	218.8

Type: NA = Naturally Aspirated T = Turbocharged TW = Turbocharged Intercooled TA = Turbocharged charge air cooled



FG Wilson Generator Sets



DPS can supply and support the entire range of FG Wilson generating sets, directly through our association with the official Australian distributors, Allight.

Perkins Powered FG Wilson generator sets are available in open type and sound attenuated enclosures. These enclosures reduce sound levels to comply with the European Community regulations 2000/14/EC. FG Wilson Generator set are available in single phase to 80 kVa and three phase to 2200 kVa

Prime:

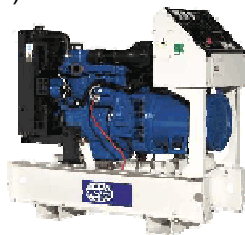
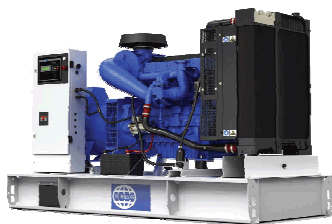
These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby:

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Model	Prime kVa	Prime kW	Standby kVa	Standby kW	Engine Model	Fuel Cap. It	Wet Weight Open set	Wet Weight Canopy Set
P7.5-2S	6.8	6.8	7.5	7.5	403D-11G	45	334 kg	521 kg
P11-4S	10.0	10.0	11.0	11.0	403D-15G	45	393 kg	580 kg
P14-4S	13.0	13.0	14.0	14.0	404D-22G1	45	454 kg	641 kg
P16.5-4S	15.0	15.0	16.5	16.5	404D-22G	45	467 kg	654 kg
P26E1S	24.0	24.0	26.0	26.0	1103A-33G1	144	810 kg	1114 kg
P35E3S	32.0	32.0	35.0	35.0	1103A-33TG1	175	954 kg	1315 kg
Model	Prime kVa	Prime kW	Standby kVa	Standby kW	Engine Model	Fuel Cap. It	Dry Weight Open set	Wet Weight Canopy Set
P9.5-2	8.5	6.8	9.5	7.6	403D-11G	45	334 kg	521 kg
P13.5-4	12.5	10.0	13.8	11.0	403D-15G	45	393 kg	580 kg
P18-4	16.5	13.2	18.0	14.4	404D-22G	45	454 kg	641 kg
P22-4	20.0	16.0	22.0	17.6	404D-22G	45	467 kg	654 kg
P30E1	27.0	21.6	30.0	24.0	1103A-33G1	144	800 kg	1104 kg
P44E3	40.0	32.0	44.0	35.2	1103A-33TG1	175	884 kg	1245 kg
P50E3	45.0	36.0	50.0	40.0	1103A-33TG1	175	884 kg	1245 kg
P55E1	50.0	40.0	55.0	44.0	1103A-33TG2	175	904 kg	1265 kg
P65E3	60.0	48.0	65.0	52.0	1103A-33TG2	175	954 kg	1315 kg
P88E1	80.0	64.0	88.0	70.4	1104A-44TG2	175	1074 kg	1435 kg
P110E2	100.0	80.0	110.0	88.0	1104C-44TAG2	227	1180 kg	1598 kg
P150E2	135.0	108.0	150.0	120.0	1106C-E66TAG2	290	1480 kg	1970 kg
P165E2	150.0	120.0	165.0	132.0	1106C-E66TAG3	279	1535 kg	1975 kg
P200E2	180.0	144.0	200.0	160.0	1106C-E66TAG4	276	1688 kg	2704 kg
P220HE2	200.0	160.0	220.0	176.0	1306C-E87TAG4	350	2052 kg	2944 kg
P250HE2	230.0	184.0	250.0	200.0	1306C-E87TAG4	350	2137 kg	3029 kg

Wet weight = with oil and coolant (no fuel)



ALLIGHT

Larger sizes available on request

Portable Compressors Perkins Powered



DPS can supply and support Allight's extensive range of Rotair compressors, directly through our association with the official Australian distributors.

MDVN Series of portable compressors offers a free air delivery range of 74 to 251 CFM to meet the diverse needs of professionals in the field requiring constant, dependable compressed air for powering tools. Incorporating a new air-oil filtering system, patented by Rotair, the innovative screw system delivers outstanding quality compressed air out-put.

MDVN compressors are direct transmission and without step up gearboxes. This ensures reduced wear of the screw set, minimised noise output, no overheating, greater fuel economy and improved energy productivity.



Model	Free air Delivery	Operating Pressure	Engine	Power at 3000 rpm	Length With drawbar	Length Without drawbar	Width mm	Height mm	Weight kg
MDVN21AP	74 CFM 2100 l/min	7 bar 102 psi	403D-11	19.7 kW	2775	1425	1350	1240	580
MDVN36AP	127 CFM 3600 l/min	7 bar 102 psi	403D-15	25.2 kW	3140	1720	1340	1300	700
MDVN52AP	184 CFM 5200 l/min	7 bar 102 psi	404D-22	38.0 kW	3380	1920	1340	1300	900
MDVN71AP	251 CFM 7100 l/min	7 bar 102 psi	804D-33	47.1 kW	3650	2215	1590	1590	1310

MDVS Series with heavy-duty mine specification build and components offers a free air delivery range of 354 to 424 CFM. Incorporating a new air-oil filtering system, patented by Rotair, the innovative screw system delivers outstanding quality compressed air out-put.

MDVS compressors are direct transmission and without step up gearboxes. This ensures reduced wear of the screw set, minimised noise output, no overheating, greater fuel economy and improved energy productivity.

Model	Free air Delivery	Operating Pressure	Engine	Power at 2200 rpm	Length With drawbar	Length Without drawbar	Width mm	Height mm	Weight kg
MDVS95P12	354 CFM 2100 l/min	12 bar 174 psi	1104D-E44TA	96.5 kW	4500	2850	1980	2200	2000
MDVS120P7	424 CFM 7100 l/min	7 bar 102 psi	1104D-E44TA	96.5 kW	4500	2850	1590	2200	2000

- Liquid cooled diesel engine for greater reliability and lower noise levels.
- Protection device for cold starting.
- Transparent plastic fuel tank for effortless level checking with wide filler inlet.
- Mudguards in tough, resilient material.
- Document compartment for storage of manuals etc.
- Canopy lifts off allowing quick and easy access for maintenance.
- Fast acting safety system to halt operation, protecting you and your equipment.
- Equipped in a sprung axle and articulated drawbar for easy towing.
- Perkins EPA Tier 4 and EU stage IIIA emission compliant engines for cleaner running.



Larger sizes available on request



ALLIGHT

Perkins Powered

The range of Perkins powered mobile lighting towers starts with the compact Nightshifter series, includes the popular Urban, and extends through to the line-up Mine spec units: which are now widely recognised as the industries toughest and most reliable heavyweight solutions for the world most aggressive working environments.

Model	4000 Nightshifter	6000 Nightshifter	ML4K9 Urban Light	MS4.5K-M Mine Spec	MS4.5K-9 Mine Spec	MS6K-9 Mine Spec	MS7.5K-9 Mine Spec
Mount	Trailer	Trailer	Trailer	Trailer/Skid	Trailer/Skid	Trailer/Skid	Trailer/Skid
Type of lights	Metal Halide	Metal halide	Metal Halide	Metal Halide	Metal halide	Metal Halide	Metal halide
Number of lights	4 x 1000 watt	6 x 1000 watt	4 x 1000 watt	3 x 1500 watt	3 x 1500 watt	4 x 1500 watt	5 x 1500 watt
Light Tilt	Electric	Hydraulic	Electric	Manual	Hydraulic	Hydraulic	hydraulic
Mast height extended	8.5 m	9.5 m	9 m	8.5 m	9 m	9 m	9 m
Mast Rotation	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Fuel	diesel	diesel	diesel	diesel	diesel	diesel	diesel
Fuel tank capacity	90 litres	110 litres	130 litres	130 litres	130 litres	130 litres	130 litre
Engine	403D-11	403D-11	403D-11	403D-11	403D-11	403D-11	403D-15
Length	2800 mm	3100 mm	3600 mm	4800 mm trailer 4500 mm skid	5200 mm trailer 4500 mm skid	5200 mm trailer 4500 mm skid	5200 mm trailer 4500 mm skid
Height	1460 mm	2230 mm	1750 mm	2600 mm trailer 2700 mm skid	2600 mm trailer 2600 mm skid	2500 mm trailer 2500 mm skid	2600 mm trailer 2600 mm skid
Width	1160 mm	1530 mm	1500 mm	1900 mm trailer 1800 mm skid	2100 mm trailer 1950 mm skid	2100 mm trailer 1950 mm skid	2100 mm trailer 1950 mm skid
weight	840 kg	1500 kg	1250 kg	1350 kg trailer 1600 kg skid	1500 kg trailer 1600 kg skid	1500 kg trailer 1800 kg skid	1600 kg trailer 1800 kg skid



Model	MS9K-10 Mine Spec	MS12K-10 Mine Spec	SS15K-12 Mine Spec	SS18K-12 Mine Spec	SS24K-12 Mine Spec	ML24K7 Mine Spec
Mount	Trailer/Skid	Trailer/Skid	Skid	Skid	Skid	Trailer
Type of lights	Metal Halide	Metal Halide	Sodium Vapour	Metal Halide	Metal Halide	Metal Halide
Number of lights	6 x 1500 watts	6 x 1500 watts	15 x 1.0 kW	12 x 1.5kW	12 x 2.0kW	16 x 1.5kW
Light Tilt	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Mast height extended	10 m	10 m	12 m	12 m	12 m	7 m
Mast Rotation	Manual	Manual	Hydraulic Slew	Hydraulic Slew	Hydraulic Slew	Manual
Fuel	diesel	diesel	diesel	diesel	diesel	diesel
Fuel tank capacity	200 litres	200 litres	144 litres	144 litres	175 litres	175 litres
Engine	404D-22	404D-22	1103A-33G1	1103A-33G1	1103A-33TG1	1103A-33TG1
Length	5700 mm trailer 5600 mm skid	5700 mm trailer 5600 mm skid	7060 mm skid	7060 mm skid	7060 mm skid	6200 mm trailer
Height	2800 mm trailer 2500 mm skid	2800 mm trailer 2500 mm skid	3380 mm skid	3380 mm skid	3380 mm skid	3005 mm trailer
Width	2250 mm trailer 2250 mm skid	2250 mm trailer 2250 mm skid	2330 mm skid	2330 mm skid	2330 mm skid	2300 mm trailer
weight	2500 kg trailer 3000 kg skid	2550 kg trailer 3000 kg skid	8000 kg skid	8000 kg skid	8000 kg skid	4000 kg trailer

Options available to suit all models:



Refer Electropack section for lighting tower re-powers

Perkins Powered Pumps

Diesel Parts & Service

The Heart of Every Great Machine
DPS Self Priming Pumps 3" to 8"

Scope: Self priming centrifugal pump, inline drive to Perkins IOPU diesel engine, battery box with battery and leads fitted, channel steel base frame with or without fuel tank, centre lift point, flex coupling and guard.

Pump: CI/CI/SS, cast iron body and impeller, stainless steel shaft, packed gland.



Size / Power	Pump / Engine	Max Volume	Max Head	Nominal Duty	Speed	Type
3" / 10hp	NS80C / 403C-07	26 l/sec	24 mtrs	20 l/sec at 18 mtrs	2200 rpm	DC
3" / 16hp	NS80C / 403C-11	28 l/sec	28 mtrs	20 l/sec at 18 mtrs	2200 rpm	DC
4" / 13hp	NS100C / 403C-11	35 l/sec	18 mtrs	25 l/sec at 12 mtrs	1800 rpm	DC
4" / 23hp	NS100C / 403C-15	40 l/sec	28 mtrs	32 l/sec at 18 mtrs	2200 rpm	DC
6" / 19hp	FSR150 / 403C-15	80 l/sec	24 mtrs	64 l/sec at 12 mtrs	1800 rpm	DC
6" / 34hp	FSR150 / 404C-22	100 l/sec	34 mtrs	77 l/sec at 18 mtrs	2200 rpm	DC
8" / 28hp	FSR200 / 404C-22	105 l/sec	20 mtrs	82 l/sec at 13 mtrs	1800 rpm	DC
8" / 47hp	FSR200 / 404C-22T	130 l/sec	30 mtrs	113 l/sec at 15 mtrs	2200 rpm	DC

Options:

- Murphy engine protection shut down panel.
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification.
- Fuel tank built into base frame.
- Single point lifting frame fitted.
- Pump connections: hose tails, flanges, camlocks, and B type quick couplings.
- Roof hood cover over engine drive assembly.
- Engine and pump controls e.g. auto stop/start, time clock, float switches.
- Silent Powerpak engine.
- Emergency stop, battery isolation, fire extinguisher, work lamps and operational beacons.



Standard Fuel tank skid base build and with standpipe arrangement

DPS Heavy Duty Industrial Trash and Sewage Pump 3" to 12"

Scope: TS series, self priming heavy duty TRASH pump, inline drive to Perkins IOPU diesel engine, battery box with battery and leads fitted, channel steel skid type base frame with or without fuel tank, centre lift, coupling and guard.

Pump: CI/DI/HTS/OLMS, cast iron body, ductile iron impeller, 4140 alloy steel shaft, and oil lubricated mechanical seal.

Size / Power	Pump / Engine	Max Volume	Max Head	Nominal Duty	Speed Pump / Engine	Type
2" / 10 hp	TS-50 / 402C-05	13 l/sec	36 mtrs	12 l/sec at 28 mtrs	2900 rpm	DC
3" / 10 hp	TS80 / 403C-11	26 l/sec	20 mtrs	22 l/sec at 12 mtrs	1500 rpm	DC
3" / 18 hp	TS80 / 403C-15	28 l/sec	25 mtrs	26 l/sec at 17 mtrs	1800 rpm	DC
3" / 32 hp	TS80 / 402C-22	28 l/sec	35 mtrs	25 l/sec at 28 mtrs	2150 rpm	DC
3" / 34 hp	TS80H / 404C-22	24 l/sec	45 mtrs	21 l/sec at 33 mtrs	1800 rpm	DC
3" / 46 hp	TS80H / 404C-22T	28 l/sec	60 mtrs	21 l/sec at 53 mtrs	2150 rpm	DC
4" / 28 hp	TS100 / 404C-22	46 l/sec	30 mtrs	38 l/sec at 23 mtrs	1800 rpm	DC
4" / 43 hp	TS100 / 404C-22T	46 l/sec	36 mtrs	38 l/sec at 28 mtrs	1950 rpm	DC
4" / 44 hp	TS100H / 404C-22T	46 l/sec	52 mtrs	38 l/sec at 46 mtrs	2000 rpm	DC
6" / 56 hp	TS150 / 1104A-44	95 l/sec	34 mtrs	70 l/sec at 24 mtrs	1550 rpm	DC
6" / 64 hp	TS150H / 1104A-44	90 l/sec	50 mtrs	70 l/sec at 42 mtrs	1800 rpm	DC
6" / 91 hp	TS150H / 1104A-44T	90 l/sec	58 mtrs	70 l/sec at 50 mtrs	1950 rpm	DC
8" / 58 hp	TS200 / 1104A-44	165 l/sec	33 mtrs	120 l/sec at 19 mtrs	1650 rpm	DC
8" / 75 hp	TS200 / 1104A-44T	180 l/sec	38 mtrs	120 l/sec at 24 mtrs	1550 rpm	DC
10" / 90 hp	TS250 / 1006	220 l/sec	35 mtrs	180 l/sec at 25 mtrs	1750 rpm	DC
10" / 110 hp	TS250 / 1006-6T	220 l/sec	40 mtrs	180 l/sec at 30 mtrs	1750 rpm	DC
10" / 125 hp	TS250 / 1006-6TW	220 l/sec	45 mtrs	180 l/sec at 34 mtrs	1750 rpm	DC

Options:

- Murphy engine protection shut down panel.
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification.
- Fuel tank built into base frame.
- Single point lifting frame fitted.
- Pump connections: hose tails, flanges, camlocks, and B type quick couplings.
- Roof hood cover over engine drive assembly.
- Engine and pump controls e.g. auto stop/start, time clock, float switches.
- Silent Powerpak engine.
- Emergency stop, battery isolation, fire extinguisher, work lamps and operational beacons.



- Scope:** DPS mixed flow centrifugal end suction pump, inline drive to Perkins IOPU diesel engine, battery and leads fitted, channel steel base frame, with or without fuel tank.
 8" to 10" pump - direct coupled inline drive with flex coupling
 12" to 32" pump - reduction clutchable gearbox with coupling
- Pump:** CI/CI/HTS, cast iron body and impeller, 1045 steel shaft and shaft sleeve, packed gland.

Size / Power	Pump / Engine	Max Volume	Max Head	Nominal Duty	Speed Pump / Engine	Type
6" / 13hp	6HBG35 / 404C-11	90 l/sec	14 mtrs	78 l/sec at 10 mtrs	2000 rpm	DC
8" / 41hp	8HBG35 / 404C-22T	200 l/sec	20 mtrs	166 l/sec at 15 mtrs	1800 rpm	DC
10" / 60hp	10HBG40 / 1104A-44	260 l/sec	20 mtrs	220 l/sec at 5 mtrs	1700 rpm	DC
10" / 92hp	10HBG40 / 1104A-44T	300 l/sec	25 mtrs	300 l/sec at 15 mtrs	2000 rpm	DC
12" / 63hp	12HBG40 / 1104A-44	360 l/sec	15 mtrs	300 l/sec at 10 mtrs	1200 / 1800 rpm	G/box
12" / 94hp	12HBG40 / 1104A-44T	420 l/sec	20 mtrs	375 l/sec at 15 mtrs	1450 / 2150 rpm	G/box
16" / 68hp	400HW7 / 1104A-44	500 l/sec	12 mtrs	450 l/sec at 8 mtrs	850 / 2150 rpm	G/box
16" / 86hp	400HW7 / 1104A-44T	560 l/sec	13 mtrs	520 l/sec at 8 mtrs	900 / 1750 rpm	G/box
16" / 124hp	400HW7 / 1006-6T	620 l/sec	15 mtrs	560 l/sec at 8 mtrs	980 / 1900 rpm	G/box
16" / 200hp	400HW10 / 1306E-87T	660 l/sec	20 mtrs	615 l/sec at 15 mtrs	1000 / 2000 rpm	G/box
20" / 90hp	500HW6 / 1104A-44T	740 l/sec	13 mtrs	580 l/sec at 9 mtrs	650 / 1925 rpm	G/box
20" / 112hp	500HW6 / 1006-6T	795 l/sec	15 mtrs	600 l/sec at 11 mtrs	700 / 1715 rpm	G/box
20" / 125hp	500HW6 / 1006-6TW	830 l/sec	17 mtrs	625 l/sec at 12 mtrs	730 / 1800 rpm	G/box
26" / 200hp	26HBC40 / 1306E-87T	1450 l/sec	12 mtrs	1260 l/sec at 8 mtrs	540 / 1900 rpm	G/box
26" / 300hp	26HBC40 / 1306E-87TA	1700 l/sec	16 mtrs	1500 l/sec at 10 mtrs	620 / 1900 rpm	G/box

Options:

- Murphy engine protection shut down panel.
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification.
- Fuel tank built into base frame.
- Single point lifting frame fitted.
- Pump connections: hose tails, flanges, camlocks, and B type quick couplings.
- Roof hood cover over engine drive assembly.
- Engine and pump controls e.g. auto stop/start, time clock, float switches.
- Silent Powerpak engine.
- Emergency stop, battery isolation, fire extinguisher, work lamps and operational beacons.
- V-belt and inline gearbox driven pump sets.

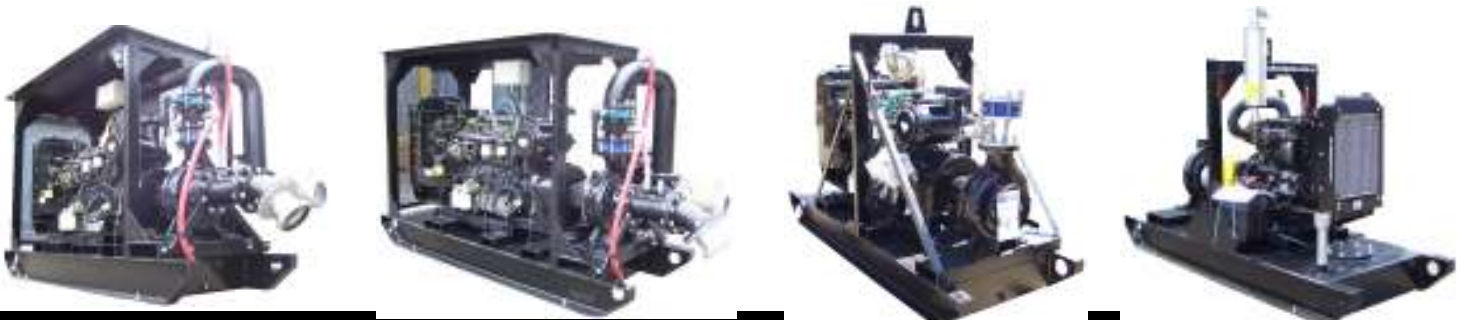


The Heart of Every Great Machine

Scope: ISO end suction centrifugal pump, inline drive to Perkins IOPU diesel engine, battery and leads fitted channel steel skid base frame with or without fuel tank, coupling and guard.

Pump: CI/BR/SS cast iron body, bronze impeller, stainless steel shaft with mechanical seal

Size / Power	Pump / Engine	Max Volume	Max Head	Nominal Duty	Speed Pump / Engine	Type
2.5"x1.5" / 21hp	65x40-200 / 403C-11	15 l/sec	75 mtrs	13 l/sec at 66 mtrs	3000 rpm	DC
2.5"x1.5" / 25hp	65x40-250 / 403C-15	13 l/sec	85 mtrs	13 l/sec at 73 mtrs	2600 rpm	DC
2.5"x1.5" / 40hp	65x40-250 / 404C-22	15 l/sec	110 mtrs	13 l/sec at 100 mtrs	3000 rpm	DC
2.5"x1.5" / 50hp	65x40-315 / 404C-22T	15 l/sec	145 mtrs	13 l/sec at 135 mtrs	2800 rpm	DC
3"x 2" / 16hp	80x50-200 / 403C-11	23 l/sec	40 mtrs	20 l/sec at 32 mtrs	2200 rpm	DC
3"x 2" / 25hp	80x50-200 / 403C-15	27 l/sec	58 mtrs	20 l/sec at 52 mtrs	2600 rpm	DC
3"x 2" / 38hp	80x50-250 / 404C-22	28 l/sec	80 mtrs	20 l/sec at 75 mtrs	2500 rpm	DC
3"x 2" / 50hp	80x50-315 / 404C-22T	24 l/sec	110 mtrs	20 l/sec at 96 mtrs	2400 rpm	DC
4"x 2.5" / 23hp	100x65-200 / 403C-15	45 l/sec	40 mtrs	35 l/sec at 32 mtrs	2200 rpm	DC
4"x 2.5" / 38hp	100x65-200 / 404C-22	48 l/sec	56 mtrs	35 l/sec at 52 mtrs	2600 rpm	DC
4"x 2.5" / 50hp	100x65-250 / 404C-22T	48 l/sec	70 mtrs	35 l/sec at 64 mtrs	2400 rpm	DC
4"x 2.5" / 70hp	100x65-315 / 1104A-44	45 l/sec	85 mtrs	35 l/sec at 80 mtrs	2200 rpm	DC
5" x 3" / 127hp	125x80-400 / 1006T	55 l/sec	130 mtrs	35 l/sec at 116 mtrs	2000 rpm	DC
5" x 3" / 152hp	125x80-400 / 1006TW	55 l/sec	150 mtrs	35 l/sec at 150 mtrs	2200 rpm	DC
5" x 4" / 50hp	125x100-200 / 404C-22T	90 l/sec	45 mtrs	70 l/sec at 39 mtrs	2400 rpm	DC
5" x 4" / 72hp	125x100-250 / 1104A-44	90 l/sec	70 mtrs	70 l/sec at 60 mtrs	2400 rpm	DC
5" x 4" / 95hp	125x100-315 / 1104A-44T	90 l/sec	92 mtrs	70 l/sec at 80 mtrs	2200 rpm	DC
5" x 4" / 138hp	125x100-400 / 1006-6TW	80 l/sec	105 mtrs	70 l/sec at 90 mtrs	1900 rpm	DC
5" x 4" / 196hp	125x100-500 / 1306-E87T	80 l/sec	150 mtrs	70 l/sec at 100 mtrs	1800 rpm	DC
6" x 5" / 91hp	150x125-250 / 1104A-44T	150 l/sec	46 mtrs	110 l/sec at 38 mtrs	2000 rpm	DC
6" x 5" / 110hp	150x125-250 / 1006-6	160 l/sec	58 mtrs	110 l/sec at 48 mtrs	2200 rpm	DC
6" x 5" / 147hp	150x125-315 / 1006-6TW	150 l/sec	85 mtrs	110 l/sec at 70 mtrs	2100 rpm	DC
6" x 5" / 196hp	150x125-400 / 1306-E87T	130 l/sec	104 mtrs	110 l/sec at 84 mtrs	1800 rpm	DC
6" x 5" / 300hp	150x125-500 / 1306-E87TA	130 l/sec	160 mtrs	110 l/sec at 128 mtrs	1800 rpm	DC
8" x 6" / 118hp	200x150-315 / 1006-6T	190 l/sec	56 mtrs	150 l/sec at 46 mtrs	1800 rpm	DC
8" x 6" / 198hp	200x150-400 / 1306-E87T	180 l/sec	82 mtrs	150 l/sec at 67 mtrs	1800 rpm	DC
8" x 6" / 300hp	200x150-400 / 1306-E87TA	200 l/sec	100 mtrs	150 l/sec at 88 mtrs	1800 rpm	DC
8" x 6" / 300hp	200x150-500 / 1306-E87TA	200 l/sec	125 mtrs	150 l/sec at 100 mtrs	1800 rpm	DC
10" x 8" / 198hp	250x200-315 / 1306-E87T	310 l/sec	54 mtrs	250 l/sec at 44 mtrs	1800 rpm	DC
10" x 8" / 300hp	250x200-400 / 1306-E87TA	310 l/sec	85 mtrs	250 l/sec at 72 mtrs	1800 rpm	DC



**Perkins Powered Pumps
Helical Rotor Pumps 2" to 4"**

Scope:

Roto helical rotor positive displacement pump, inline drive to Perkins diesel engine Powerpak, battery box with battery and leads fitted, channel steel base frame, coupling guard, Murphy engine protection shutdown system with key start in weatherproof case.
G/box – reduction gearbox with clutch & coupling fitted inline drive.



Size / Power	Pump/ Engine	Max Volume	Max Head	Nominal Duty	Speed Pump / engine	Type
2" / 6 hp	D512 / 403C-05	1.7 l/sec	120 mtrs	1.5 l/sec at 120 mtrs	1500 / 2000 rpm	g/box
2" / 11 hp	M524 / 403C-07	2.0 l/sec	180 mtrs	1.8 l/sec at 180 mtrs	1140 / 2300 rpm	g/box
2" / 17 hp	M524 / 403C-11	2.0 l/sec	240 mtrs	1.8 l/sec at 240 mtrs	1140 / 2300 rpm	g/box
2" / 6 hp	D531 / 403C-15	3.0 l/sec	60 mtrs	2.8 l/sec at 60 mtrs	1450 / 2150 rpm	g/box
2" / 10 hp	D532 / 403C-07	3.0 l/sec	120 mtrs	2.8 l/sec at 120 mtrs	1450 / 2150 rpm	g/box
2.5" / 8 hp	D551 / 403C-05	3.7 l/sec	60 mtrs	3.4 l/sec at 60 mtrs	1000 / 2600 rpm	g/box
2.5" / 12 hp	M542 / 403C-07	3.7 l/sec	120 mtrs	3.4 l/sec at 120 mtrs	1000 / 2600 rpm	g/box
2.5" / 18 hp	M544 / 403C-11	3.7 l/sec	180 mtrs	3.4 l/sec at 180 mtrs	1000 / 2400 rpm	g/box
2.5" / 24 hp	M544 / 403C-15	3.7 l/sec	240 mtrs	3.4 l/sec at 240 mtrs	1000 / 2400 rpm	g/box
2.5" / 9 hp	M561 / 403C-07	4.8 l/sec	60 mtrs	4.5 l/sec at 60 mtrs	880 / 2100 rpm	g/box
2.5" / 15 hp	M562 / 403C-11	4.8 l/sec	120 mtrs	4.5 l/sec at 120 mtrs	880 / 2100 rpm	g/box
2.5" / 22 hp	M564 / 403C-15	4.8 l/sec	180 mtrs	4.5 l/sec at 180 mtrs	880 / 2100 rpm	g/box
2.5" / 33 hp	M564 / 404C-22	4.8 l/sec	240 mtrs	4.5 l/sec at 240 mtrs	880 / 2100 rpm	g/box
4" / 13 hp	M581 / 403C-11	7.2 l/sec	60 mtrs	6.3 l/sec at 60 mtrs	750 / 1800 rpm	g/box
4" / 23 hp	M582 / 403C-15	7.2 l/sec	120 mtrs	6.3 l/sec at 120 mtrs	750 / 2250 rpm	g/box
4" / 34 hp	M584 / 404C-22	7.2 l/sec	180 mtrs	6.3 l/sec at 180 mtrs	750 / 2250 rpm	g/box
4" / 48 hp	M584 / 404C-22T	7.2 l/sec	240 mtrs	6.3 l/sec at 240 mtrs	750 / 2250 rpm	g/box
4" / 17 hp	M601 / 403C-11	10 l/sec	60 mtrs	9.0 l/sec at 60 mtrs	600 / 2300 rpm	g/box
4" / 35 hp	M602 / 404C-22	10 l/sec	120 mtrs	9.0 l/sec at 120 mtrs	600 / 2300 rpm	g/box
4" / 48 hp	M604 / 404C-22T	10 l/sec	180 mtrs	9.0 l/sec at 180 mtrs	600 / 2300 rpm	g/box
4" / 63 hp	M604 / 1104-44	10 l/sec	240 mtrs	9.0 l/sec at 240 mtrs	600 / 1800 rpm	g/box



ROBUST & COMPACT DESIGN

PROVEN TWO PIN CARDAN JOINT

LOWER MAINTENANCE COST



**Godwin Dri-Prime Pumps
CD & HL Series**

The Heart of Every Great Machine

DPS can supply and support the entire range of Allight dewatering pumps, manufactured with class leading Godwin Dri-Prime® automatic self priming wet ends and Perkins engines.

Godwin CD Series Dri-prime fully automatic self priming pumps are suitable for high volume, medium head applications with large solids handling requirements. Pumps handle sewage, sludges and liquids with solids up to 125mm

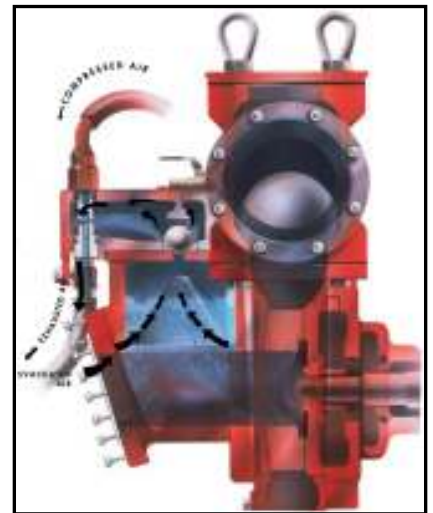
CAPACITY DISCHARGE

Model	Size Inches	Max volume	Max Head Mtrs	Impeller Dia Max	Impeller Dia Min	Max Solids	Perkins Engine
CD80D	3" x 3"	27 l/sec	40 mtrs	166 mm	135 mm	40 mm	403D-11
CD100M	4" x 4"	62 l/sec	35 mtrs	230 mm	175 mm	45 mm	403D-15
CD103M	4" x 4"	62 l/sec	52 mtrs	256 mm	255 mm	75 mm	1104A-44
CD150M	6" x 6"	140 l/sec	48 mtrs	280 mm	245 mm	65 mm	1104A-44
CD160M	6" x 6"	119 l/sec	80 mtrs	356 mm	315 mm	75 mm	1006-6TW
CD200M	8" x 8"	200 l/sec	55 mtrs	290 mm	240 mm	75 mm	1104C-44TA
CD300M	12" x 12"	375 l/sec	62 mtrs	362 mm	340 mm	95 mm	Refer DPS
CD500M	24" x 18"	930 l/sec	50 mtrs	610 mm	500 mm	137 mm	Refer DPS

Godwin HL Series Dri-prime fully automatic self priming pumps are suitable for high and extremely high head applications with large solids handling requirements. Pumps handle sewage, sludges and liquids with solids up to 75mm.

HIGH LIFT

Model	Size Inches	Max volume	Max Head Mtrs	Impeller Dia Max	Impeller Dia Min	Max Solids	Perkins Engine
HL80M	4" x 3"	30 l/sec	100 mtrs	325 mm	260mm	25 mm	1104C-44
HL100M	4" x 4"	58 l/sec	118 mtrs	370 mm	300 mm	35 mm	1104C-44
HL110M	4" x 3"	30 l/sec	220 mtrs	465 mm	465 mm	20 mm	1104C-44
HL125M	4" x 5"	60 l/sec	138 mtrs	370 mm	300 mm	35 mm	1006-6TW
HL130M	6" x 4"	95 l/sec	198 mtrs	514 mm	435 mm	22 mm	Refer DPS
HL150M	6" x 6"	90 l/sec	150 mtrs	385 mm	260 mm	35 mm	Refer DPS
HL160M	8" x 6"	135 l/sec	185 mtrs	508 mm	435 mm	35 mm	Refer DPS
HL200M	8" x 6"	170 l/sec	118 mtrs	400 mm	320 mm	38 mm	Refer DPS
HL250M	12" x 10"	350 l/sec	120 mtrs	440 mm	360 mm	65 mm	Refer DPS
HL260M	10" x 8"	375 l/sec	150 mtrs	TBA	TBA	60 mm	Refer DPS
HL8WHD	10" x 8"	230 l/sec	132 mtrs	430 mm	380 mm	75mm	Refer DPS



ALLIGHT

Pictures for illustration purposes only

Engine Number Guide		
Example	PJ 12345 U 123456P	
Engine family and type code	PJ	1106D-E66TA
Parts List Number	12345	
Country of Manufacture Code	U	UK
Engine Serial Number	123456	
Year of Manufacture Code	P	2007

Engine Family and Type Code

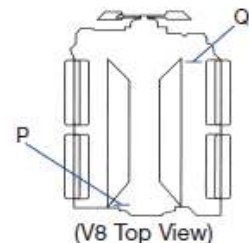
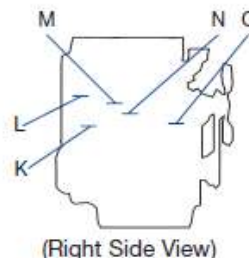
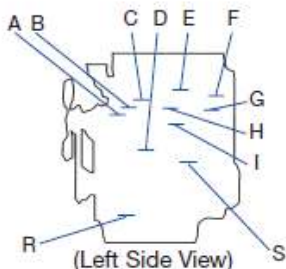
A Phaser/1004	900 Series	H 4.165 Series	N 4.318 Series	TK C6.3542	WL 1306-E76TA
AA 1004-4	CP 903-27	HA 4.165	NC 4.318	TP T6.3543	WM 1306-E87T
AB 1004-4T	CR 903-27T	400C Series	ND 4.3182	TR 6.372	WN 1306-E87TA
AC 1004-4T	CS 903-25	HB 402C-05	1104D Series	TT TC6.3541	WP 1306-E76T
AD 1004A-4TW	CT 903-27S	HD 403C-07	NH 1104D-44TA	TU T6.3544	WQ 1306-E76TA
AE 1004	D 1103C Series	HH 403C-11	NJ 1104D-E44TA	TV 6.3724	WR 1306-E87T
AF 1004-40S	DC 1103C-33	HL 403C-15	NK 1104D-44	TW 6.3544	WS 1306-E87TA
AG 1004-4	DD 1103C-33T	HN 404C-15	NL 1104D-44T	TX C6.3544	X V8.510 Series
AH 1004-4T	DE 1103C-33TA	HP 404C-22	NM 1104D-44TA	TY H6.3544	XA V8.510
New 1000 Series	1103B Series	HR 404C-22T	P 1106D Series	TZ HT6.3544	XB TV8.510
AJ 1004-40	DF 1103B-33	J 4.203 Series	PJ 1106D-E66TA	U 700 Series	XC V8.540
AK 1004-40T	DG 1103B-33T	JD 4.203	PK 1106C-E66TA	UA 704-30	XE TV8.540
AL 1004-40TA	1103A Series	JE D4.203	R 6.247 Series	UB 704-20	1103D Series
AM 1004-40T	DJ 1103A-33	JF G4.203	RA 6.247	UC 704-30	XG 1103D-E33
AP 1004-40	DK 1103A-33T	JG 4.2032	1104C Series	800 Series	XH 1103D-E33T
AQ 1004-40T	E 4.108 Series	K Prima/100 Series	RE 1104C-44	UE 804C-33	XJ 1103D-E33TA
AR 1004-42	ED 4.108	KD 103.10	RF 1104C-E44	UF 804C-33T	XK 1103D-33
AS 1004-42	G 4.154/200 Series	KE 103.15	RG 1104C-44T	800D Series	XL 1103D-33T
AT 1004-40TA	GA 4.154	KF 104.19	RH 1104C-E44T	UK 804D-33	XM 1103D-33TA
B Prima/500 Series	GB 4.135	KH 103.13	RJ 1104C-44TA	UL 804D-33T	Y Phaser/1006
BA 504-2	GC 4.182	KL 103.07	RK 1104C-E44TA	UM 804D-33TA	YA 1006-6
BB 504-2T	GD 4.25	KN 102.05	1104A Series	V 1106C Series	YB 1006-6T
C 3.152 Series	GE 4.3	KR 104.22	RR 1104A-44	VK 1106C-E60TA	YC 1006-6T
CA P3	400D Series	KS 103.11	RS 1104A-44T	W 1300 Series	YD 1006-6TW
CB 3.144	GG 402D-05	L 4.236 Series	RT 1104A-44TA	WB 1306-8T	YE Fed.CC
CC P3.144	GH 403D-07	LA 4.212	SD SabreCC6.68	WC 1306-8T	YF 1006-60G
CD 3.152	GJ 403D-11	LD 4.236	T 6.354 Series	WD 1306-7T	1000 Series
CD D3.152	GK 403D-15	LE G4.236	TC 6.354	WE 1306-7TA	YG 1006-60
CF G3.152	GL 403D-15T	LF 4.248	TD H6.354	WF 1306-8TNGD	YH 1006-60T
CG P3.152	GM 404D-15	LG 4.2482	TE T6.354	WG 1306-8TANGD	YJ 1006-60TA
CJ 3.1522	GN 404D-22	LH C4.236	TF HT6.354	WH 1306-9TNGD	YK 1006-60TW
CM 3.1524	GP 404D-22T	LJ T4.236	TG 6.3541	WJ 1306-9TANGD	Z V8.640 Series
CN T3.1524	GR 404D-22TA	LM 4.41	TH T6.3541	1300 Series	ZA V8.640
	GS 403D-17		TJ 6.3542	WK 1306-E76T	ZB TV8.640

A Air to Air Charge Cooling	E Electronic	H Horizontal	T Turbocharged
C Compensated	F Federal Emissions	N Narrow front End	U Unit Injection
CC Charged cooled	FF Federal	P Timing Chain	V V Form
D Direct Injection	G Gasoline/gas	S Spark Ignition	W Water to Air Charge Cooling

Year of Manufacture Code						Country of Manufacture Code									
This Code indicates the calendar year of manufacture						This code indicates the country in which the basic engine was manufactured									
A 1974	K 1983	W 1992	G 2000	A Argentina	H Group	L Italy	T Turkey	B 1975	L 1984	X 1993	H 2001	B Brazil	HC China	M Mexico	U UK
C 1976	M 1985	Y 1994	J 2002	C Australia	HM Indonesia	MX Mexico	V Pakistan	D 1977	N 1986	A 1995	K 2003	D Germany	HK Iraq	N USA	W Iran
E 1978	P 1987	B 1996	L 2004	E Spain	HU Uruguay	P Poland	X Peru	F 1979	S 1988	C 1997	M 2005	F France	J Japan	S India	Y Yugoslavia
G 1980	T 1989	D 1998	N 2006	G Greece	K Korea	SA South Africa		H 1981	U 1990	E 1/1/99-31/3/99	P 2007				
J 1982	V 1991	F 1/4/99-31/12/99	R/S 2008												

Serial Number Location by Model

M	3.152	J or N	4.203	F	4.318	Q	V8540	O	100/400 series
A	4.108	C	4.212/4.248/900 series	H	4.41	I or O	1300 series	E	Prima/500 series
B	4.154/200	R	1106D	C or F	6.247	P	V8540	H or J	Phaser/1000/1100A-B-C
B or G	4.165	C or L	4.236	D	6.354	K	700/800 series	S	1104D



Protection for YOUR Investment



Use **Perkins** Genuine Parts



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THE RISKS OF USING NON GENUINE PARTS

NON-GENUINE parts are designed using reverse engineering (copying an original component).

Manufacturers of non-genuine parts do not have access to PERKINS technical data and drawings so these parts are designed and manufactured in isolation from the rest of the engine.

In most cases the material specification is rationalised, so there is a real risk that these parts will not fit correctly. This can result in rapid wear, compromised performance, poor reliability, higher oil and fuel consumption and even component damage or engine failure.

Suppliers of non-genuine parts will only provide a small range of high volume part numbers. They will not support the complete Perkins engine range and will not be covered by Powerpart warranty.

WHY USE GENUINE PARTS?

Powerpart components are designed to work together to maximise component life and engine performance.

Powerpart parts are designed to match the individual engine characteristics across the whole Perkins engine range, to fit first time and saving on costly downtime.

Powerpart parts restore optimum power and fuel efficiency and are supported by the Perkins Powerpart Warranty.

IMPORTANT INFORMATION YOU NEED WHEN ORDERING PARTS

Before ordering parts you need to know your engine number or build list.

Your Perkins engine number gives useful information about your Perkins engine. Most importantly it contains the "Build List" of the specific parts used in your engine.

The build list contains every original part number that your engine was assembled with.

Keep a note of your engine number or build list and quote it whenever you contact our parts department.

Refer to previous page for engine number guide.



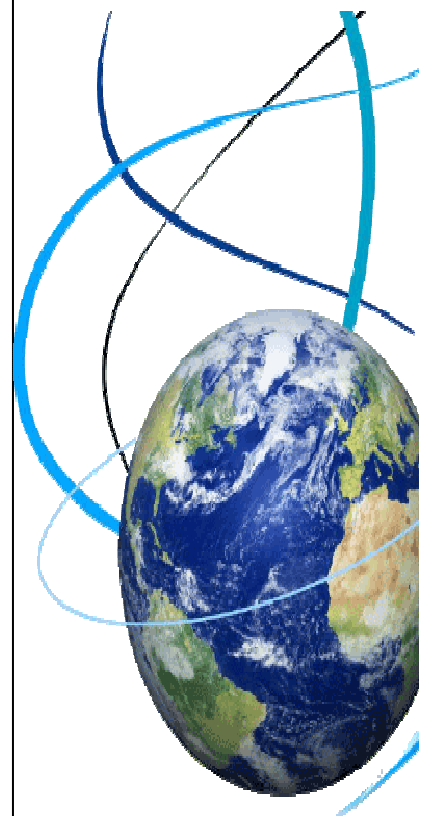
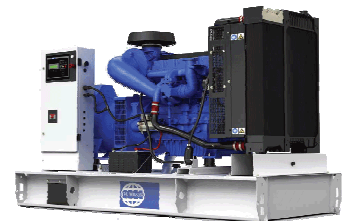
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Notes.



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