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201, Shiv Chambers, Near Hotel Sarvottam, GIDC, Vapi
Gujarat, India -396195

Technical Data - Perkins Engine (400 Series)



GENSET				
Model		ABC-PR-10	ABC-PR-15	ABC-PR-20
Power Rating	kVA / kwe	10 / 08	15 / 12	20 / 16
60/48	ABC60Ex	1103A-33TG2	3	72.1
DIESEL ENGINE				
Make		PERKINS	PERKINS	PERKINS
Model		403A-15G2	403A-15G2	404A-22G1
Rated Power	BHP	18	18	25.1
Speed	RPM	1500	1500	1500
No. of Cylander		3 vertical in-line	3 vertical in-line	4 vertical in-line
Displacement	Ltrs.	1.496 litres	1.496 litres	2.216 litres
Bore x Stroke	MM	84 x 90 mm	84 x 90 mm	84 x 100 mm
Compression Ratio		22.5:1	22.5:1	23.3:1
Starting System		12 V DC	12 V DC	12 V DC
Battery	V / Ah	88	88	88
Governor Type		Mechanical	Mechanical	Mechanical
Induction		Naturally aspirated	Naturally aspirated	Naturally aspirated
Cooling System		Water cooled	Water cooled	Water cooled
Lubrication oil Capacity	Ltrs.	6.0 litres	6.0 litres	10.6 litres
Coolant Capacity	Ltrs.	6.0 litres	6.0 litres	7.0 litres
Fuel Tank Capacity	Ltrs.	70	70	90
Fuel Consumption 100% load	Ltrs. / Hr.	2	3	4
Fuel Consumption 75% load		1.5	2.25	3
Fuel Consumption 50% load		1	1.5	2
ALTERNATOR				
Make		STAMFORD	STAMFORD	STAMFORD
No. of Phase	Ph	1 Ph / 3 ph	1 Ph / 3 ph	1Ph / 3 ph
Rated Voltage	V	230 415	230 415	231 415
Current	3 ph	13.9	20.85	27.8
	1 ph			
Frequency	Hz	50	50	50
Power factor	PF	0.8	0.8	0.8
Voltage Regulation	%	± 1%	± 1%	± 1%
Insulation		Class H	Class H	Class H
Enclosure		IP 23	IP 23	IP 23
DIMENSIONS & WEIGHT				
Overall Dimensions (in mm)	Length	1550	1550	1550
	Width	1000	1000	1000
	Heigth	1200	1200	1200
Genset Weight	Kg	450	550	600

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Technical Data - Perkins Engine (1100 Series)



GENSET											
Model		ABC-PR-30	ABC-PR-45	ABC-PR-50	ABC-PR-62.5	ABC-PR-75	ABC-PR-82.5	ABC-PR-100	ABC-PR-125	ABC-PR-150	ABC-PR-200
Power Rating	kVA / kwe	30 / 24	45 / 36	50 / 40	62.5 / 50	75 / 60	82.5 / 66	100 / 80	125 / 100	150 / 120	200 /160
DIESEL ENGINE											
Make		PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Model		1103A-33G	1103A-33TG1	1103A-33TG1	1103A-33TG2	1104A-44TG2	1104A-44TG2	1104C-44TAG2	1106A-70TAG2	1106A-70TAG2	1106A-70TAG4
Rated Power	BHP	37.8	56.6	56.6	73.8	98.4	98.4	125.5	182.4	182.4	240
Speed	RPM	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
No. of Cylander		3 vertical in-line	3 vertical in-line	3 vertical in-line	3 vertical in-line	4 vertical in-line	4 vertical in-line	4 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line
Displacement	Ltrs.	3.3 litres	3.3 litres	3.3 litres	3.3 litres	4.4 litres	4.4 litres	4.41 litres	7.01 litres	7.01 litres	7.01 litres
Bore x Stroke	MM	105 x 127 mm	105 x 127 mm	105 x 127 mm	105 x 127 mm	105 x 127 mm	105 x 127 mm	105 x 127 mm	105 x 135 mm	105 x 135 mm	105 x 135 mm
Compression Ratio		19.25:1	17.25:1	17.25:1	17.25:1	17.25:1	17.25:1	18.2:1	16:01	16:01	16:01
Starting System		12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	24 V DC
Battery	V / Ah	88	88	88	88	88	88	88	120	150	2 x 180
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Induction		Naturally aspirated	Turbocharged	Turbocharged	Turbocharged		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cooling System		Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled
Lubrication oil Capacity	Ltrs.	8.3 litres	7.9 litres	7.9 litres	8.3 litres		8.0 litres	8.0 litres	16.5 litres	16.5 litres	16.5 litres
Coolant Capacity	Ltrs.	10.2 litres	10.2 litres	10.2 litres	10.2 litre		13.0 litres	12.6 litres	21 litres	21 litres	21 litres
Fuel Tank Capacity	Ltrs.	90	120	120	120	200	200	250	500	500	500
Fuel Consumption 100% load	Ltrs. / Hr.	5.6	5.6	5.6	10.8	14	14	17	24.5	24.5	34.7
Fuel Consumption 75% load		4.2	4.2	4.2	8.1	10.5	10.5	12.75	18.375	18.375	26.025
Fuel Consumption 50% load		2.8	2.8	2.8	5.4	7	7	8.5	12.25	12.25	17.35
ALTERNATOR											
Make		STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD
No. of Phase	Ph	1 Ph / 3 ph	1 Ph / 3 ph	3 ph	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase
Rated Voltage	V	232 415	233 415	415	415 V	415 V	415 V	415 V	415 V	415 V	415 V
Current	3 ph	41.7	62.55		85.87	104.25	114.6	139		208.5	278
	1 ph										
Frequency	Hz	50	50	50	50	50	50	50	50	50	50
Power factor	PF	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage Regulation	%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Insulation		Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Enclosure		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
DIMENSIONS & WEIGHT											
Overall Dimensions (in mm)	Length	2000	2000	2000	2000	2300	2300	2400	2800	2800	2800
	Width	1000	1000	1000	1000	1100	1100	1150	1200	1200	1200
	Heigth	1200	1200	1200	1200	1200	1200	1200	1600	1600	1600
Genset Weight	Kg	960	1000	1000	1200	1400	1400	1500	1800	1800	2100

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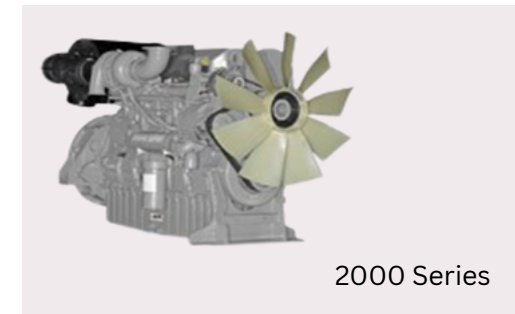
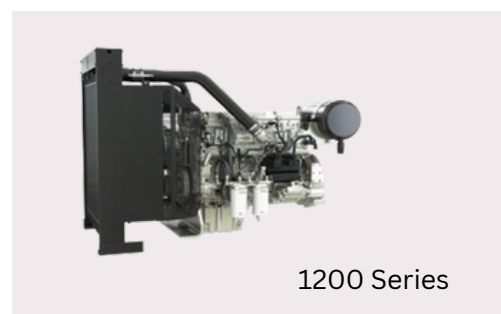
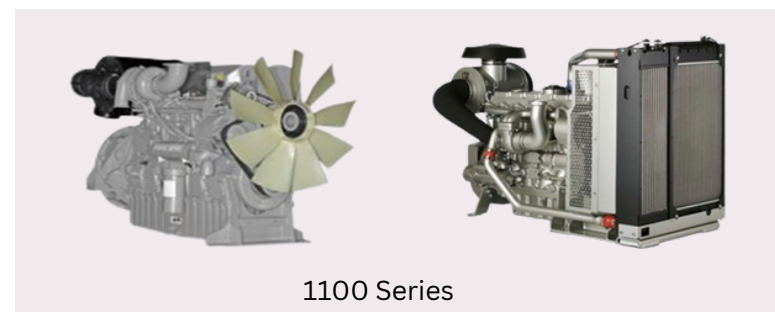


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Technical Data - Perkins Engine (1200 Series)

GENSET		
Model		ABC-PR-250
Power Rating	kVA / kwe	250 / 200
DIESEL ENGINE		
Make		PERKINS
Model		1206A-E70TTAG3
Rated Power	BHP	303.2
Speed	RPM	1500
No. of Cylinder		6 vertical in-line
Displacement	Ltrs.	7.01 litres
Bore x Stroke	MM	105 x 135 mm
Compression Ratio		15.8:1
Starting System		24 V DC
Battery	V / Ah	2 x 180
Governor Type		Mechanical/Electronics
Induction		Turbocharged
Cooling System		Water cooled
Lubrication oil Capacity	Ltrs.	13-16 litres
Coolant Capacity	Ltrs.	25 litres
Fuel Tank Capacity	Ltrs.	500
Fuel Consumption 100% load	Ltrs. / Hr.	38
Fuel Consumption 75% load		28.5
Fuel Consumption 50% load		19
ALTERNATOR		
Make		STAMFORD
No. of Phase	Ph	3 phase
Rated Voltage	V	415 V
Current	3 ph	347.5
	1 ph	
Frequency	Hz	50
Power factor	PF	0.8
Voltage Regulation	%	± 1%
Insulation		Class H
Enclosure		IP 23
DIMENSIONS & WEIGHT		
Overall Dimensions (in mm)	Length	3895
	Width	1600
	Height	1850
Genset Weight	Kg	4000



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Technical Data - Perkins Engine (2000 Series)



GENSET									
Model		ABC-PR-320	ABC-PR-350	ABC-PR-400	ABC-PR-500	ABC-PR-600	ABC-PR-650	ABC-PR-700	ABC-PR-750
Power Rating	kVA / kwe	320 / 256	350 / 280	400 / 320	500 / 400	600 / 480	650 / 520	700 / 560	750 / 600
DIESEL ENGINE									
Make		PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
Model		2206A-E13TAG2	2206A-E13TAG2	2206A-E13TAG3		2806A-E18TAG1A	2806A-E18TAG2	2806A-E18TTAG4	2806A-E18TTAG5
Rated Power	BHP	434	434	493		724	783	835	907
Speed	RPM	1500	1500	1500	1500	1500	1500	500	1500
No. of Cylander		6 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line
Displacement	Ltrs.	15.5 Liters	15.5 Liters	12.5 Liters		18.1 Liters	18.1 liters	18.1 liters	18.1 liters
Bore x Stroke	MM	130 x 157 mm	130 x 157 mm	130 x 157 mm		145 x 183 mm	145 x 183 mm	145 x 183 mm	145 x 183 mm
Compression Ratio		16.3:1	16.3:1	16.3:1		14.5:1	14.5:1	14.5:1	14.5:1
Starting System		24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Battery	V / Ah	2 x 180	2 x 180	2 x 180	2 x 180	4 x 180	4 x 180	4 x 180	4 x 180
Governor Type		Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics	Mechanical/Electronics
Induction		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cooling System		Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled
Lubrication oil Capacity	Ltrs.	40 Liters	40 Liters	40 Liters		62 Liters	62 Liters	62 Liters	62 Liters
Coolant Capacity	Ltrs.	51 Liter	51 Liter	51 Liter		61 Liters	61 Liters	61 Liters	61 Liters
Fuel Tank Capacity	Ltrs.	700	700	700		990	990	990	990
Fuel Consumption 100% load	Ltrs. / Hr.	54	54	62		90	97	109	118
Fuel Consumption 75% load		40.5	40.5	46.5	0	67.5	72.75	81.75	88.5
Fuel Consumption 50% load		27	27	31	0	45	48.5	54.5	59
ALTERNATOR									
Make		STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD	STAMFORD
No. of Phase	Ph	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase
Rated Voltage	V	415 V	415 V	415 V	415 V	415 V	415 V	415 V	415 V
Current	3 ph	444.8	486.5	556	695	834	903.5	973	1042.5
	1 ph								
Frequency	Hz	50	50	50	50	50	50	50	50
Power factor	PF	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage Regulation	%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Insulation		Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Enclosure		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
DIMENSIONS & WEIGHT									
Overall Dimensions (in mm)	Length	5500	5500	5500		5800	5800	6500	6500
	Width	2000	2000	2000		2250	2250	2300	2300
	Heigth	2100	2100	2100		2400	2400	2600	2600
Genset Weight	Kg	4000	4000	4500		5000	5100	6400	7600

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